APPENDIX E

ANALYTICAL RESULTS, LABORATORY ANALYTICAL REPORTS, AND CHAIN OF CUSTODY FORMS

PART 7
LABORATORY ANALYTICAL REPORT
240-18581-1

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-18581-1

Job Description: RVAAP - ECC

For:
Environmental Chemical Corp.
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Attention: Mr. Jackson Kiker

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CASE NARRATIVE

Client: Environmental Chemical Corp.

Project: RVAAP - ECC

Report Number: 240-18581-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

TestAmerica utilizes USEPA approved methods and DOD QSM, where applicable, in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

All parameters for which TestAmerica North Canton has certification were evaluated to the limit of detection (LOD) and include qualified results where applicable. Parameters not certified under QSM, if any, were evaluated to the detection limit (DL) and include qualified results where applicable.

The sample(s) that contain constituents flagged with U are undetected. The result associated with this flag is the limit of detection (LOD).

RECEIPT

The samples were received on 12/8/2012 11:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.6º C, 3.2º C, 3.4º C and 3.5º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 070SB-0042M-0001-SO (240-18581-1), 070SB-043M-0001-SO (240-18581-2), 070SB-044M-0001-SO (240-18581-3), 070SB-046M-0001-SO (240-18581-5), 072SB-0056-0001-SO (240-18581-7), 072SB-0057-0001-SO (240-18581-8), 072SB-0058-0001-SO (240-18581-9), 072SB-0059-0001-SO (240-18581-10), 072SB-0060-0001-SO (240-18581-11), 072SB-0070-0001-SO (240-18581-13), 072SB-0071-0001-SO (240-18581-14), 072SB-0072-0001-SO (240-18581-15) and 072SB-0073-0001-SO (240-18581-16) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were prepared on 12/08/2012 and analyzed on 12/16/2012 and 12/17/2012.

Several analytes were detected in method blank MB 240-68879/7 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

2-Hexanone, 4-Methyl-2-pentanone (MIBK) and Methylene Chloride were detected in method blank MB 240-68905/7 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Methylene Chloride failed the recovery criteria high for MRL 240-68905/33. 2-Hexanone failed the recovery criteria low for MRL 240-68905/5. Refer to the QC report for details.

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria low for 070SB-044M-0001-SO (240-18581-3) and 070SB-044M-0001-SOMSD (240-18581-3MSD).

The compound 2-Hexanone had a recovery that exceeded the 70-130% recovery criteria for the opening MRLfor batch 68905, but was within allowable outlier criteria of 60-140%, therefore the batch was accepted.

The compound Methylene Chloride had a recovery that exceeded the 70-130% recovery criteria for the closing MRL for batch 68905, but was within allowable outlier criteria of 60-140%, therefore the batch was accepted.

Internal standard responses were outside of acceptance limits for the following samples: 070SB-044M-0001-SO (240-18581-3), 070SB-044M-0002-SO (240-18581-3 MSD). The samples show evidence of matrix interference.

Surrogate recovery for the following samples were outside control limits: 070SB-044M-0001-SO (240-18581-3), 070SB-044M-0002-SO (240-18581-3 MSD). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

No other difficulties were encountered during the VOCs analyses. All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 072SB-0061-0001-TB (240-18581-12) and 070SB-0074-0001-TB (240-18581-24) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were analyzed on 12/12/2012.

Methylene Chloride was detected in method blank MB 240-68395/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Methylene Chloride failed the recovery criteria high for MRL 240-68395/22. 1,1,2,2-Tetrachloroethane and Methylene Chloride failed the recovery criteria high for MRL 240-68395/4. Refer to the QC report for details.

No other difficulties were encountered during the VOCs analyses. All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS) WITH INCREMENTAL SAMPLE PREPARATION

Samples 070SB-0042M-0001-SO (240-18581-1), 070SB-044M-0001-SO (240-18581-3), 070SB-046M-0001-SO (240-18581-5), 070SB-047M-0001-SO (240-18581-6), 070SS-0048M-0001-SO (240-18581-17), 070SB-0049M-0001-SO (240-18581-18), 070SB-0050M-0001-SO (240-18581-19), 070SB-0051M-0001-SO (240-18581-20), 070SB-0052M-0001-SO (240-18581-21), 070SB-0053M-0001-SO (240-18581-22) and 070SB-0054M-0001-SO (240-18581-23) were analyzed for Polychlorinated biphenyls (PCBs) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8082 DOD. The samples began the drying and disaggregation process on 12/10/2012, were prepared on 12/19/2012, 12/26/2012 and 12/31/2012 and analyzed on 01/02/2013, 12/21/2012 and 12/29/2012.

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for 070SB-047M-0001-SOMSD (240-18581-6MSD). Refer to the QC report for details.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: 070SB-0042M-0001-SO (240-18581-1), 070SB-0049M-0001-SO (240-18581-18), 070SB-0050M-0001-SO (240-18581-19), 070SB-0051M-0001-SO (240-18581-20), 070SB-0052M-0001-SO (240-18581-21), 070SB-0053M-0001-SO (240-18581-22), 070SB-0054M-0001-SO (240-18581-23), 070SB-044M-0001-SO (240-18581-3), 070SB-046M-0001-SO (240-18581-5), 070SB-047M-0001-SO (240-18581-6), 070SS-0048M-0001-SO (240-18581-17).

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-18581-6 MS), (240-18581-6 MSD), 070SB-046M-0001-SO (240-18581-5), 070SB-047M-0001-SO (240-18581-6). Lot # S65830

Surrogate recovery for the following samples was outside control limits: 070SB-046M-0001-SO (240-18581-5), 070SB-047M-0001-SO (240-18581-6). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Only the re-extract data is reported.

The following sample required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: 070SS-0048M-0001-SO (240-18581-17). Lot # S65830

Surrogate recovery for the following sample was outside control limits: 070SS-0048M-0001-SO (240-18581-17). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Only the re-extract data is reported.

No other difficulties were encountered during the PCBs analyses. All other quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES WITH INCREMENTAL SAMPLE PREPARATION

Samples 070SB-044M-0001-SO (240-18581-3) and 070SB-045M-0001-SO (240-18581-4) were analyzed for chlorinated herbicides with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8151 DoD. The samples began the drying and disaggregation process on 12/10/2012, were prepared on 12/18/2012 and analyzed on 12/22/2012.

The opening MRL recovered low for MCPP and MCPA. It is believed to be a result of the Ical being on a quadratic curve. Because the samples are ND, corrective action is not taken.

No difficulties were encountered during the herbicides analyses. All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) WITH INCREMENTAL SAMPLE PREPARATION

Samples 070SB-0042M-0001-SO (240-18581-1), 070SB-043M-0001-SO (240-18581-2), 070SB-044M-0001-SO (240-18581-3), 070SB-045M-0001-SO (240-18581-4), 070SB-046M-0001-SO (240-18581-5), 070SB-047M-0001-SO (240-18581-6), 070SS-0048M-0001-SO (240-18581-17), 070SB-0049M-0001-SO (240-18581-18), 070SB-0050M-0001-SO (240-18581-19), 070SB-0051M-0001-SO (240-18581-20), 070SB-0052M-0001-SO (240-18581-21), 070SB-0053M-0001-SO (240-18581-22) and 070SB-0054M-0001-SO (240-18581-23) were analyzed for semivolatile organic compounds (GC-MS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8270 DoD. The samples began the drying and disaggregation process on 12/10/2012, were prepared on 12/19/2012 and analyzed on 12/26/2012, 12/28/2012 and 12/29/2012.

2-Fluorobiphenyl (Surr) failed the surrogate recovery criteria low for 070SB-0051M-0001-SO (240-18581-20), 070SB-044M-0001-SOMS (240-18581-3MS), and 070SB-044M-0001-SOMSD (240-18581-3MSD).

2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for 070SB-0052M-0001-SO (240-18581-21).

3,3'-Dichlorobenzidine and 4-Chloroaniline failed the recovery criteria low for the MS of sample 070SB-0042M-0001-SOMS (240-18581-1) in batch 240-70582. N-Nitrosodiphenylamine failed the recovery criteria high.

Several analytes failed the recovery criteria low for the MSD of sample 070SB-0042M-0001-SOMSD (240-18581-1) in batch 240-70582. N-Nitrosodiphenylamine failed the recovery criteria high.

2,4-Dinitrophenol, 3,3'-Dichlorobenzidine and Benzo[a]pyrene failed the recovery criteria low for the MS of sample 070SB-0052M-0001-SOMS (240-18581-21) in batch 240-70078.

2,4-Dinitrophenol and 3,3'-Dichlorobenzidine failed the recovery criteria low for the MSD of sample 070SB-0052M-0001-SOMSD (240-18581-21) in batch 240-70078. 2,4-Dinitrophenol exceeded the rpd limit.

Several analytes failed the recovery criteria low for the MS and MSD of sample 070SB-044M-0001-SOMS/MSD (240-18581-3) in batch 240-70582. 4-Chloroaniline exceeded the rpd limit.

The following samples were diluted due to the nature of the sample matrix: (240-18581-21 MS), (240-18581-21 MSD), 070SB-0051M-0001-SO (240-18581-20), 070SB-0052M-0001-SO (240-18581-21), 070SB-0053M-0001-SO (240-18581-22), 070SB-0054M-0001-SO (240-18581-23). Elevated reporting limits (RLs) are provided.

The following samples were diluted due to the nature of the sample matrix: 070SB-0042M-0001-SO (240-18581-1), 070SB-0042M-0002-SO (240-18581-1 MS), 070SB-0042M-0002-SO (240-18581-1 MSD), 070SB-043M-0001-SO (240-18581-2), 070SB-044M-0001-SO (240-18581-3), 070SB-044M-0002-SO (240-18581-3 MS), 070SB-044M-0002-SO (240-18581-3 MSD), 070SB-045M-0001-SO (240-18581-4), 070SB-046M-0001-SO (240-18581-5), 070SB-047M-0001-SO (240-18581-6). Elevated reporting limits (RLs) are provided.

Samples 070SB-0051M-0001-SO (240-18581-20)[10X], 070SB-0052M-0001-SO (240-18581-21)[10X], 070SB-0053M-0001-SO (240-18581-22)[4X] and 070SB-0054M-0001-SO (240-18581-23)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the SVOCs analyses. All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 072SB-0056-0001-SO (240-18581-7), 072SB-0057-0001-SO (240-18581-8), 072SB-0058-0001-SO (240-18581-9), 072SB-0059-0001-SO (240-18581-10), 072SB-0060-0001-SO (240-18581-11), 072SB-0070-0001-SO (240-18581-13), 072SB-0071-0001-SO (240-18581-14), 072SB-0072-0001-SO (240-18581-15) and 072SB-0073-0001-SO (240-18581-16) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 12/19/2012 and analyzed on 12/28/2012 and 12/29/2012.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-69432/23-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

No other difficulties were encountered during the SVOCs analyses. All other quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS (GRO)

Samples 070SB-043M-0001-SO (240-18581-2), 072SB-0056-0001-SO (240-18581-7), 072SB-0057-0001-SO (240-18581-8), 072SB-0058-0001-SO (240-18581-9), 072SB-0059-0001-SO (240-18581-10), 072SB-0060-0001-SO (240-18581-11), 072SB-0070-0001-SO (240-18581-13), 072SB-0071-0001-SO (240-18581-14), 072SB-0072-0001-SO (240-18581-15) and 072SB-0073-0001-SO (240-18581-16) were analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 Method 8015B - GRO. The samples were prepared on 12/08/2012 and analyzed on 12/21/2012.

The preserved vial for sample 072SB-0072-0001-SO (240-18581-15) did not have a tare weight. The average tare weight of other vials in

the job was used to determine a weight for this sample.

No difficulties were encountered during the GRO analyses. All quality control parameters were within the acceptance limits.

DIESEL RANGE ORGANICS WITH INCREMENTAL SAMPLE PREPARATION

Samples 070SB-0042M-0001-SO (240-18581-1) and 070SB-043M-0001-SO (240-18581-2) were analyzed for diesel range organics with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8015B - DRO DoD. The samples began the drying and disaggregation process on 12/10/2012, were prepared on 12/19/2012 and 12/21/2012 and analyzed on 12/24/2012 and 12/25/2012.

Diesel failed the recovery criteria high for the MS of sample 070SB-0042M-0001-SOMS (240-18581-1) in batch 240-70013. Diesel failed the recovery criteria low for the MSD of sample 070SB-0042M-0001-SOMSD (240-18581-1) in batch 240-70013. Diesel exceeded the rpd limit.

Sample 070SB-043M-0001-SO (240-18581-2)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) for diesel associated with batch 69606 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.072SB-0056-0001-SO (240-18581-7), 072SB-0057-0001-SO (240-18581-8), 072SB-0058-0001-SO (240-18581-9), 072SB-0059-0001-SO (240-18581-10), 072SB-0060-0001-SO (240-18581-11), 072SB-0070-0001-SO (240-18581-13), 072SB-0071-0001-SO (240-18581-14), 072SB-0072-0001-SO (240-18581-15), 072SB-0073-0001-SO (240-18581-16)

The MSD run on this sample reported a much lower result than the parent sample and MS. Since the LCS passed criteria and the parent sample and MS were run at a 10x dilution, the data is reported.070SB-0042M-0001-SO (240-18581-1)

No other difficulties were encountered during the DRO analyses. All other quality control parameters were within the acceptance limits.

DIESEL RANGE ORGANICS (DRO)

Samples 072SB-0056-0001-SO (240-18581-7), 072SB-0057-0001-SO (240-18581-8), 072SB-0058-0001-SO (240-18581-9), 072SB-0059-0001-SO (240-18581-10), 072SB-0060-0001-SO (240-18581-11), 072SB-0070-0001-SO (240-18581-13), 072SB-0071-0001-SO (240-18581-14), 072SB-0072-0001-SO (240-18581-15) and 072SB-0073-0001-SO (240-18581-16) were analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO DoD. The samples were prepared on 12/19/2012 and analyzed on 12/21/2012.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

No difficulties were encountered during the DRO analyses. All quality control parameters were within the acceptance limits.

PESTICIDES WITH INCREMENTAL SAMPLE PREPARATION

Samples 070SB-0042M-0001-SO (240-18581-1), 070SB-044M-0001-SO (240-18581-3) and 070SB-046M-0001-SO (240-18581-5) were analyzed for pesticides with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8081 DoD. The samples began the drying and disaggregation process on 12/10/2012, were prepared on 12/19/2012 and analyzed on 01/04/2013 and 12/22/2012.

Tetrachloro-m-xylene failed the surrogate recovery criteria high for 070SB-0042M-0001-SO (240-18581-1), 070SB-0042M-0001-SOMS (240-18581-1MS), and Tetrachloro-m-xylene failed the surrogate recovery criteria high for 070SB-0042M-0001-SOMSD (240-18581-1MSD).

DCB Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for 070SB-046M-0001-SO (240-18581-5).

4,4'-DDD, 4,4'-DDT and Endrin ketone failed the recovery criteria low for the MS of sample 070SB-0042M-0001-SOMS (240-18581-1) in batch 240-69893.

4,4'-DDD, 4,4'-DDT, Endosulfan II and Heptachlor epoxide failed the recovery criteria low for the MSD of sample 070SB-0042M-0001-SOMSD (240-18581-1) in batch 240-69893. Endrin ketone exceeded the rpd limit.

Samples 070SB-0042M-0001-SO (240-18581-1)[50X], 070SB-044M-0001-SO (240-18581-3)[50X] and 070SB-046M-0001-SO (240-18581-5)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following samples were diluted due to the nature of the sample matrix: 070SB-0042M-0001-SO (240-18581-1), 070SB-044M-0001-SO (240-18581-3), 070SB-046M-0001-SO (240-18581-5). Elevated reporting limits (RLs) are provided.

The closing continuing calibration verification (CCV) associated with batch 69893 recovered above the upper control limits. The samples associated with this CCV070SB-0042M-0001-SO (240-18581-1) were non-detects for the affected analytes; therefore the data have been reported.

The closing minimum reporting limit (MRL) associated with batch 69893 recovered above the upper control limits. The samples associated with this MRL 070SB-0042M-0001-SO (240-18581-1) were non-detects for the affected analytes; therefore the data have been

reported.

No other difficulties were encountered during the pesticides analyses. All other quality control parameters were within the acceptance limits.

NITROGUANIDINE (HPLC) WITH INCREMENTAL SAMPLE PREPARATION

Samples 070SB-0042M-0001-SO (240-18581-1), 070SB-044M-0001-SO (240-18581-3) and 070SB-046M-0001-SO (240-18581-5) were analyzed for nitroguanidine (HPLC) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and in accordance with EPA SW-846 Method 8330_Ngu. The samples began the drying and disaggregation process on 12/10/2012, were prepared on 12/20/2012 and analyzed on 12/27/2012.

No difficulties were encountered during the explosives analyses. All quality control parameters were within the acceptance limits.

EXPLOSIVES WITH INCREMENTAL SAMPLE PREPARATION

Samples 070SB-0042M-0001-SO (240-18581-1), 070SB-044M-0001-SO (240-18581-3) and 070SB-046M-0001-SO (240-18581-5) were analyzed for explosives with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and in accordance with EPA SW-846 Method 8330B. The samples began the drying and disaggregation process on 12/10/2012, were prepared on 12/20/2012 and analyzed on 01/03/2013 and 12/30/2012.

Method(s) 8330B: The continuing calibration verification at the reporting limit (CCVL) for analytical batch 8012 exceeded control criteria for Nitrobenzene, o-Nitrotoluene, m-Nitrotoluene, p-Nitrotoluene, RDX, HMX, 4-Amino-2,6-Dinitrotoluene, 2-Amindo-4,6-Dinitrotluene, 3,5-Dinitroaniline, PETN, Tetryl, 2,4-Dinitrotoluene, and 2,6-Dinitrotoluene. The corrective action for this deficiency is an analysis of a standard at approximately 2x the MDL. The acceptance criterion for the 2x MDL standard is detection of the compound. As the compounds were detected, the data have been qualified and reported.

No difficulties were encountered during the explosives analyses. All quality control parameters were within the acceptance limits.

TOTAL METALS (ICPMS)

Samples 072SB-0056-0001-SO (240-18581-7), 072SB-0057-0001-SO (240-18581-8), 072SB-0058-0001-SO (240-18581-9), 072SB-0059-0001-SO (240-18581-10), 072SB-0060-0001-SO (240-18581-11), 072SB-0070-0001-SO (240-18581-13), 072SB-0071-0001-SO (240-18581-14), 072SB-0072-0001-SO (240-18581-15), and 072SB-0073-0001-SO (240-18581-16) were analyzed for total metals (ICPMS) in accordance with EPA SW-846 Method 6020 DoD. The samples were prepared on 12/17/2012 and analyzed on 12/29/2012.

ICB, CCB, and ICSA samples are evaluated using the lowest LOD and DL criteria in LIMS. Using this criteria, an individual element may occasionally be flagged as out of control. If the element has a higher LOD or DL, the data is evaluated to the higher limit and determined to be acceptable.

Several analytes were detected in method blanks MB 180-59183/1-A and MB 180-59314/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Selenium exceeded the rpd limit for the duplicate of sample 240-18544-19. Refer to the QC report for details.

The interference check standard solution (ICSA) associated with batch 59183 showed results for one or more elements at a level greater than the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution.

The interference check standard solution (ICSA) associated with batch 59314 showed results for one or more elements at a level greater than the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution

The method blank for preparation batch 59314 contained iron above one half the reporting limit (RL). The associated sample(s) contained detects for this analyte at concentrations greater than 10X the value found in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No other difficulties were encountered during the metals analyses. All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICPMS) WITH INCREMENTAL SAMPLE PREPARATION

Samples 070SB-0042M-0001-SO (240-18581-1), 070SB-044M-0001-SO (240-18581-3), 070SB-046M-0001-SO (240-18581-5), 070SB-047M-0001-SO (240-18581-6), 070SS-0048M-0001-SO (240-18581-17), 070SB-0049M-0001-SO (240-18581-18), 070SB-0050M-0001-SO (240-18581-19), 070SB-0051M-0001-SO (240-18581-20), 070SB-0052M-0001-SO (240-18581-21), 070SB-0053M-0001-SO (240-18581-22) and 070SB-0054M-0001-SO (240-18581-23)were analyzed for total metals (ICPMS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 6020 DoD. The samples began the drying and disaggregation process on 12/10/2012, were prepared on 12/24/2012 and analyzed on 12/29/2012.

ICB, CCB, and ICSA samples are evaluated using the lowest LOD and DL criteria in LIMS. Using this criteria, an individual element may

occasionally be flagged as out of control. If the element has a higher LOD or DL, the data is evaluated to the higher limit and determined to be acceptable.

Several analytes were detected in method blanks MB 180-59183/1-A and MB 180-59314/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

The interference check standard solution (ICSA) associated with batch 59183 showed results for one or more elements at a level greater than the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution.

The interference check standard solution (ICSA) associated with batch 59314 showed results for one or more elements at a level greater than the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution

The method blank for preparation batch 59314 contained iron above one half the reporting limit (RL). The associated sample(s) contained detects for this analyte at concentrations greater than 10X the value found in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No other difficulties were encountered during the metals analyses. All other quality control parameters were within the acceptance limits.

MERCURY WITH INCREMENTAL SAMPLE PREPARATION

Samples 070SB-0042M-0001-SO (240-18581-1), 070SB-044M-0001-SO (240-18581-3), 070SB-046M-0001-SO (240-18581-5), 070SB-047M-0001-SO (240-18581-6), 070SS-0048M-0001-SO (240-18581-17), 070SB-0049M-0001-SO (240-18581-18), 070SB-0050M-0001-SO (240-18581-19), 070SB-0051M-0001-SO (240-18581-20), 070SB-0052M-0001-SO (240-18581-21), 070SB-0053M-0001-SO (240-18581-22) and 070SB-0054M-0001-SO (240-18581-23) were analyzed for mercury with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 7471A DOD. The samples began the drying and disaggregation process on 12/10/2012, were prepared on 12/21/2012 and analyzed on 12/26/2012.

No difficulties were encountered during the mercury analyses. All quality control parameters were within the acceptance limits.

MERCURY

Samples 072SB-0056-0001-SO (240-18581-7), 072SB-0057-0001-SO (240-18581-8), 072SB-0058-0001-SO (240-18581-9), 072SB-0059-0001-SO (240-18581-10), 072SB-0060-0001-SO (240-18581-11), 072SB-0070-0001-SO (240-18581-13), 072SB-0071-0001-SO (240-18581-14), 072SB-0072-0001-SO (240-18581-15) and 072SB-0073-0001-SO (240-18581-16) were analyzed for mercury in accordance with EPA SW-846 Method 7471A DOD. The samples were prepared on 12/17/2012 and analyzed on 12/18/2012.

No difficulties were encountered during the mercury analyses. All quality control parameters were within the acceptance limits.

NITROCELLULOSE

Samples 070SB-0042M-0001-SO (240-18581-1), 070SB-044M-0001-SO (240-18581-3) and 070SB-046M-0001-SO (240-18581-5) were analyzed for Nitrocellulose with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA Method 353.2. The samples began the drying and disaggregation process on 12/10/2012, were prepared and analyzed on 12/20/2012.

Nitrocellulose was detected in method blank MB 320-7571/1-B at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

All samples: (CCB 320-7756/22), (CCB 320-7756/36), (CCB 320-7756/49), (CCV 320-7756/21), (CCV 320-7756/35), (CCV 320-7756/48), (CEC 320-7756/11), (CECD 320-7756/12), (ICB 320-7756/9), (ICV 320-7756/8), (LCS 320-7571/2-B), (MB 320-7571/1-B), (MRL 320-7756/10), (MRL 320-7756/20), (MRL 320-7756/34), (MRL 320-7756/47), 070SB-0042M-0001-SO (240-18581-1), 070SB-044M-0001-SO (240-18581-3), and 070SB-046M-0001-SO (240-18581-5) in batch 7756, were extracted at a reduced sample volume due to the historical nature of the matrix from this sampling site. Reporting limits have been adjusted accordingly.

All samples: 070SB-0042M-0001-SO (240-18581-1), 070SB-044M-0001-SO (240-18581-3), 070SB-046M-0001-SO (240-18581-5), in batch 8137, were extracted at a reduced sample volume due to the historical nature of the matrix from this sampling site. Reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Nitrocellulose analyses. All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples 070SB-0042M-0001-SO (240-18581-1), 070SB-043M-0001-SO (240-18581-2), 070SB-044M-0001-SO (240-18581-3), 070SB-045M-0001-SO (240-18581-4), 070SB-046M-0001-SO (240-18581-5), 070SB-047M-0001-SO (240-18581-6), 072SB-0056-0001-SO (240-18581-7), 072SB-0057-0001-SO (240-18581-8), 072SB-0058-0001-SO (240-18581-9), 072SB-0059-0001-SO (240-18581-10), 072SB-0060-0001-SO (240-18581-11), 072SB-0070-0001-SO (240-18581-13),

072SB-0071-0001-SO (240-18581-14), 072SB-0072-0001-SO (240-18581-15), 072SB-0073-0001-SO (240-18581-16), 070SS-0048M-0001-SO (240-18581-17), 070SB-0049M-0001-SO (240-18581-18), 070SB-0050M-0001-SO (240-18581-19), 070SB-0051M-0001-SO (240-18581-20), 070SB-0052M-0001-SO (240-18581-21), 070SB-0053M-0001-SO (240-18581-22) and 070SB-0054M-0001-SO (240-18581-23) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 12/12/2012 and 12/20/2012.

No difficulties were encountered during the % solids analyses. All quality control parameters were within the acceptance limits.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 69576

Lab Sample ID: STD5 240-69576/2 IC Client Sample ID:

Date Analyzed: 12/20/12 13:47 Lab File ID: 21220002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.56	Poor Chromatography	ulmanm	12/20/12 14:14
Pyridine	3.09	Poor Chromatography	ulmanm	12/20/12 14:14
Malononitrile	4.39	Poor Chromatography	ulmanm	12/20/12 14:14
Benzoic acid	6.76	Poor Chromatography	ulmanm	12/20/12 14:14
Bis(2-chloroethoxy)methane	6.81	Poor Chromatography	ulmanm	12/20/12 14:14

Lab Sample ID: STD4 240-69576/3 IC Client Sample ID:

Date Analyzed: 12/20/12 14:11 Lab File ID: 21220003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.56	Poor Chromatography	ulmanm	12/20/12 14:36
Pyridine	3.09	Poor Chromatography	ulmanm	12/20/12 14:36
Malononitrile	4.40	Poor Chromatography	ulmanm	12/20/12 14:36
Benzo[k]fluoranthene	13.86	Poor Chromatography	ulmanm	12/20/12 14:40

Lab Sample ID: STD3 240-69576/4 IC Client Sample ID:

Date Analyzed: 12/20/12 14:34 Lab File ID: 21220004.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.56	Poor Chromatography	ulmanm	12/20/12 15:03
N-Nitrosodimethylamine	3.04	Poor Chromatography	ulmanm	12/20/12 15:03
Pyridine	3.11	Poor Chromatography	ulmanm	12/20/12 15:03
Ethyl methacrylate	3.69	Poor Chromatography	ulmanm	12/20/12 15:03
Malononitrile	4.42	Poor Chromatography	ulmanm	12/20/12 15:03
Benzoic acid	6.74	Poor Chromatography	ulmanm	12/20/12 15:03
Caprolactam	7.36	Poor Chromatography	ulmanm	12/20/12 15:03
Benzo[k]fluoranthene	13.86	Poor Chromatography	ulmanm	12/20/12 15:03

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 69576

Lab Sample ID: STD2 240-69576/5 IC Client Sample ID:

Date Analyzed: 12/20/12 14:58 Lab File ID: 21220005.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.57	Poor Chromatography	ulmanm	12/20/12 15:24
N-Nitrosodimethylamine	3.05	Poor Chromatography	ulmanm	12/20/12 15:24
Pyridine	3.12	Poor Chromatography	ulmanm	12/20/12 15:24
Ethyl methacrylate	3.69	Poor Chromatography	ulmanm	12/20/12 15:24
3-Chloropropionitrile	4.05	Poor Chromatography	ulmanm	12/20/12 15:24
Malononitrile	4.43	Poor Chromatography	ulmanm	12/20/12 15:24
Caprolactam	7.37	Poor Chromatography	ulmanm	12/20/12 15:24
4-Nitroaniline	8.99	Poor Chromatography	ulmanm	12/20/12 15:24
Benzo[k]fluoranthene	13.86	Poor Chromatography	ulmanm	12/20/12 15:24

Lab Sample ID: STD1 240-69576/6 IC Client Sample ID:

Date Analyzed: 12/20/12 15:21 Lab File ID: 21220006.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	13.81	Poor Chromatography	ulmanm	12/20/12 15:41
Benzo[k]fluoranthene	13.86	Poor Chromatography	ulmanm	12/20/12 15:41
Indeno[1,2,3-cd]pyrene	16.05	Poor Chromatography	ulmanm	12/20/12 15:41
Dibenz(a,h)anthracene	16.09	Poor Chromatography	ulmanm	12/20/12 15:41
Benzo[g,h,i]perylene	16.50	Poor Chromatography	ulmanm	12/20/12 15:41

Lab Sample ID: STD9 240-69576/7 IC Client Sample ID:

Date Analyzed: 12/20/12 15:45 Lab File ID: 21220007.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.56	Poor Chromatography	ulmanm	12/21/12 08:49
Pyridine	3.08	Poor Chromatography	ulmanm	12/21/12 08:49

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 69576

Lab Sample ID: STD8 240-69576/8 IC Client Sample ID:

Date Analyzed: 12/20/12 16:08 Lab File ID: 21220008.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.56	Poor Chromatography	ulmanm	12/21/12 08:51

Lab Sample ID: STD7 240-69576/9 IC Client Sample ID:

Date Analyzed: 12/20/12 16:32 Lab File ID: 21220009.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.56	Poor Chromatography	ulmanm	12/21/12 08:52
Pyridine	3.08	Poor Chromatography	ulmanm	12/21/12 08:52

Lab Sample ID: STD6 240-69576/10 ICIS Client Sample ID:

Date Analyzed: 12/20/12 16:55 Lab File ID: 21220010.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.56	Poor Chromatography	ulmanm	12/21/12 08:54
Pyridine	3.08	Poor Chromatography	ulmanm	12/21/12 08:54

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 69733

Lab Sample ID: ICV 240-69733/12 Client Sample ID:

Date Analyzed: 12/21/12 11:34 Lab File ID: 21221012.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.49	Poor Chromatography	ulmanm	12/21/12 11:55
Benzoic acid	6.76	Poor Chromatography	ulmanm	12/21/12 11:55

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 70078

Lab Sample ID: CCV 240-70078/2 Client Sample ID:

Date Analyzed: 12/26/12 09:15 Lab File ID: 21226002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.37	Poor Chromatography	gruberj	12/26/12 09:44

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 70417

Lab Sample ID: CCV 240-70417/2 Client Sample ID:

Date Analyzed: 12/28/12 10:14 Lab File ID: 21228002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.32	Poor Chromatography	gruberj	12/28/12 10:35

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 70582

Lab Sample ID: 240-18581-3 MSD Client Sample ID: 070SB-044M-0001-SO MSD

Date Analyzed: 12/29/12 18:26 Lab File ID: 21229017.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dibenz(a,h)anthracene	15.84	Poor Chromatography	gruberj	12/31/12 12:36

Lab Sample ID: 240-18581-1 Client Sample ID: 070SB-0042M-0001-SO

Date Analyzed: 12/29/12 19:36 Lab File ID: 21229020.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	13.63	Poor Chromatography	gruberj	12/31/12 12:37
Benzo[g,h,i]perylene	16.22	Poor Chromatography	gruberj	12/31/12 12:37

Lab Sample ID: mdll 1 LODV Client Sample ID:

Date Analyzed: 12/29/12 21:33 Lab File ID: 21229025.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	15.81	Poor Chromatography	gruberj	12/31/12 12:32
Dibenz(a,h)anthracene	15.85	Poor Chromatography	gruberj	12/31/12 12:32

Lab Sample ID: mdll 2 LODV Client Sample ID:

Date Analyzed: 12/29/12 21:57 Lab File ID: 21229026.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	15.81	Poor Chromatography	gruberj	12/31/12 12:29

Lab Sample ID: mdll 3 LODV Client Sample ID:

Date Analyzed: 12/29/12 22:20 Lab File ID: 21229027.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.36	Poor Chromatography	gruberj	12/31/12 12:26

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: YPID Analysis Batch Number: 69540

Lab Sample ID: LCS 240-69540/25 Client Sample ID:

Date Analyzed: 12/21/12 01:10 Lab File ID: YF122025.D GC Column: RTX-VRX ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trifluorotoluene (Surr)	9.76	Baseline Event	bosworthh	12/21/12 07:17

Lab Sample ID: 240-18581-2 Client Sample ID: 070SB-043M-0001-SO

Date Analyzed: 12/21/12 01:48 Lab File ID: YF122026.D GC Column: RTX-VRX ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trifluorotoluene (Surr)	9.76	Baseline Event	bosworthh	12/21/12 07:14

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP5F Analysis Batch Number: 70013

Lab Sample ID: 240-18581-1 Client Sample ID: 070SB-0042M-0001-SO

Date Analyzed: 12/24/12 14:46 Lab File ID: P5F10006.D GC Column: ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C20-C34	12.90	Baseline Event	bolgrind	12/26/12 09:56

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP6F Analysis Batch Number: 70006

Lab Sample ID: 240-18581-2 Client Sample ID: 070SB-043M-0001-SO

Date Analyzed: 12/25/12 02:55 Lab File ID: P6F24023.D GC Column: RTX-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C20-C34	12.85	Baseline Event	bolgrind	12/26/12 09:35

Lab Sample ID: 240-18581-2 MS Client Sample ID: 070SB-043M-0001-SO MS

Date Analyzed: 12/25/12 03:34 Lab File ID: P6F24024.D GC Column: RTX-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C20-C34	12.85	Baseline Event	bolgrind	12/26/12 09:36

Lab Sample ID: 240-18581-2 MSD Client Sample ID: 070SB-043M-0001-SO MSD

Date Analyzed: 12/25/12 04:13 Lab File ID: P6F24025.D GC Column: RTX-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C20-C34	12.85	Baseline Event	bolgrind	12/26/12 09:36

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 67554

Lab Sample ID: STD 240-67554/12 IC Client Sample ID:

Date Analyzed: 12/06/12 13:58 Lab File ID: P9120612.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.51	Baseline Event	vandorenc	12/07/12 07:38
Toxaphene Peak 2	9.95	Baseline Event	vandorenc	12/07/12 07:38
Toxaphene Peak 3	10.02	Baseline Event	vandorenc	12/07/12 07:38
Toxaphene Peak 4	10.60	Baseline Event	vandorenc	12/07/12 07:38
Toxaphene Peak 5	11.17	Baseline Event	vandorenc	12/07/12 07:38

Lab Sample ID: STD 240-67554/12 IC Client Sample ID:

Date Analyzed: 12/06/12 13:58 Lab File ID: P9120612.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.90	Baseline Event	vandorenc	12/07/12 07:38
Toxaphene Peak 2	11.45	Unspecified	vandorenc	12/07/12 07:54
Toxaphene Peak 3	11.85	Baseline Event	vandorenc	12/07/12 07:38
Toxaphene Peak 4	12.08	Baseline Event	vandorenc	12/07/12 07:38
Toxaphene Peak 5	12.46	Baseline Event	vandorenc	12/07/12 07:38

Lab Sample ID: STD 240-67554/13 IC Client Sample ID:

Date Analyzed: 12/06/12 14:24 Lab File ID: P9120613.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.51	Baseline Event	vandorenc	12/07/12 07:41
Toxaphene Peak 2	9.95	Baseline Event	vandorenc	12/07/12 07:41
Toxaphene Peak 3	10.02	Baseline Event	vandorenc	12/07/12 07:41
Toxaphene Peak 4	10.60	Baseline Event	vandorenc	12/07/12 07:41
Toxaphene Peak 5	11.17	Baseline Event	vandorenc	12/07/12 07:41

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 67554

Lab Sample ID: STD 240-67554/14 IC Client Sample ID:

Date Analyzed: 12/06/12 14:52 Lab File ID: P9120614.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.51	Baseline Event	vandorenc	12/07/12 07:45
Toxaphene Peak 2	9.95	Baseline Event	vandorenc	12/07/12 07:45
Toxaphene Peak 3	10.02	Baseline Event	vandorenc	12/07/12 07:45

Lab Sample ID: STD 240-67554/15 IC Client Sample ID:

Date Analyzed: 12/06/12 15:20 Lab File ID: P9120615.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.90	Baseline Event	vandorenc	12/07/12 07:46
Toxaphene Peak 2	11.45	Unspecified	vandorenc	12/07/12 07:56
Toxaphene Peak 3	11.85	Baseline Event	vandorenc	12/07/12 07:46
Toxaphene Peak 4	12.08	Baseline Event	vandorenc	12/07/12 07:46
Toxaphene Peak 5	12.46	Baseline Event	vandorenc	12/07/12 07:46

Lab Sample ID: ICV 240-67554/17 Client Sample ID:

Date Analyzed: 12/06/12 16:16 Lab File ID: P9120617.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.51	Baseline Event	vandorenc	12/07/12 07:59
Toxaphene Peak 2	9.95	Baseline Event	vandorenc	12/07/12 07:59
Toxaphene Peak 3	10.02	Baseline Event	vandorenc	12/07/12 07:59
Toxaphene Peak 4	10.60	Baseline Event	vandorenc	12/07/12 07:59
Toxaphene Peak 5	11.17	Baseline Event	vandorenc	12/07/12 07:59

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 67554

Lab Sample ID: ICV 240-67554/17 Client Sample ID:

Date Analyzed: 12/06/12 16:16 Lab File ID: P9120617.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.90	Baseline Event	vandorenc	12/07/12 07:59
Toxaphene Peak 2	11.45	Baseline Event	vandorenc	12/07/12 07:59
Toxaphene Peak 3	11.85	Baseline Event	vandorenc	12/07/12 07:59
Toxaphene Peak 4	12.08	Baseline Event	vandorenc	12/07/12 07:59
Toxaphene Peak 5	12.46	Baseline Event	vandorenc	12/07/12 07:59

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 69893

Lab Sample ID: PEM 240-69893/4 Client Sample ID:

Date Analyzed: 12/22/12 12:44 Lab File ID: P9122204.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDE	7.90	Baseline Event	vandorenc	12/31/12 10:40
Endrin aldehyde	10.09	Baseline Event	vandorenc	12/31/12 10:40

Lab Sample ID: STD 240-69893/5 IC Client Sample ID:

Date Analyzed: 12/22/12 13:11 Lab File ID: P9122205.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxychlor	10.66	Baseline Event	vandorenc	12/31/12 10:43
Endosulfan sulfate	10.79	Baseline Event	vandorenc	12/31/12 10:43

Lab Sample ID: CCV 240-69893/18 Client Sample ID:

Date Analyzed: 12/22/12 18:27 Lab File ID: P9122218.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.89	Baseline Event	vandorenc	12/31/12 11:09
Toxaphene Peak 2	11.44	Baseline Event	vandorenc	12/31/12 11:09
Toxaphene Peak 3	11.84	Baseline Event	vandorenc	12/31/12 11:09
Toxaphene Peak 4	12.06	Baseline Event	vandorenc	12/31/12 11:09
Toxaphene Peak 5	12.45	Baseline Event	vandorenc	12/31/12 11:09

Lab Sample ID: MRL 240-69893/19 Client Sample ID:

Date Analyzed: 12/22/12 18:51 Lab File ID: P9122219.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDD	9.19	Baseline Event	vandorenc	12/31/12 11:13
Endosulfan II	9.27	Baseline Event	vandorenc	12/31/12 11:13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 69893

Lab Sample ID: 240-18581-1 Client Sample ID: 070SB-0042M-0001-SO

Date Analyzed: 12/22/12 19:40 Lab File ID: P9122221.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	12.80	Baseline Event	vandorenc	01/03/13 06:32

Lab Sample ID: 240-18581-1 MS Client Sample ID: 070SB-0042M-0001-SO MS

Date Analyzed: 12/22/12 20:04 Lab File ID: P9122222.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-Chlordane	7.51	Baseline Event	vandorenc	01/03/13 06:39

Lab Sample ID: 240-18581-1 MSD Client Sample ID: 070SB-0042M-0001-SO MSD

Date Analyzed: 12/22/12 20:28 Lab File ID: P9122223.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDD	9.18	Baseline Event	vandorenc	01/03/13 06:42
Endosulfan II	9.27	Baseline Event	vandorenc	01/03/13 06:42
DCB Decachlorobiphenyl	12.80	Baseline Event	vandorenc	01/03/13 06:42

Lab Sample ID: MRL 240-69893/43 Client Sample ID:

Date Analyzed: 12/23/12 04:37 Lab File ID: P9122243.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDD	9.18	Baseline Event	vandorenc	12/31/12 13:38
Endosulfan II	9.27	Baseline Event	vandorenc	12/31/12 13:38

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 69893

Lab Sample ID: CCV 240-69893/60 Client Sample ID:

Date Analyzed: 12/23/12 11:33 Lab File ID: P9122260.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.50	Baseline Event	vandorenc	12/31/12 13:39
Toxaphene Peak 2	9.95	Baseline Event	vandorenc	12/31/12 13:39
Toxaphene Peak 3	10.01	Baseline Event	vandorenc	12/31/12 13:39
Toxaphene Peak 4	10.60	Baseline Event	vandorenc	12/31/12 13:39
Toxaphene Peak 5	11.16	Baseline Event	vandorenc	12/31/12 13:39

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 71028

Lab Sample ID: PEM 240-71028/29 Client Sample ID:

Date Analyzed: 01/04/13 02:51 Lab File ID: P9010329.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDE	7.89	Baseline Event	vandorenc	01/04/13 10:22
Endrin aldehyde	10.09	Baseline Event	vandorenc	01/04/13 10:22
Endrin ketone	11.19	Baseline Event	vandorenc	01/04/13 10:22

Lab Sample ID: PEM 240-71028/29 Client Sample ID:

Date Analyzed: 01/04/13 02:51 Lab File ID: P9010329.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDE	9.68	Baseline Event	vandorenc	01/04/13 10:22
4,4'-DDT	11.20	Baseline Event	vandorenc	01/04/13 10:22
Endrin aldehyde	11.29	Baseline Event	vandorenc	01/04/13 10:22
Endrin ketone	12.46	Baseline Event	vandorenc	01/04/13 10:22

Lab Sample ID: CCV 240-71028/44 Client Sample ID:

Date Analyzed: 01/04/13 09:43 Lab File ID: P9010345.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.50	Baseline Event	vandorenc	01/04/13 10:49
Toxaphene Peak 2	9.95	Baseline Event	vandorenc	01/04/13 10:49
Toxaphene Peak 3	10.01	Baseline Event	vandorenc	01/04/13 10:49
Toxaphene Peak 4	10.60	Baseline Event	vandorenc	01/04/13 10:49
Toxaphene Peak 5	11.16	Baseline Event	vandorenc	01/04/13 10:49

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 67207

Lab Sample ID: STD05 240-67207/6 IC Client Sample ID:

Date Analyzed: 12/04/12 09:13 Lab File ID: P4000006.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	2.14	Split Peak	hassl	12/05/12 06:22
PCB-1232 Peak 2	2.53	Split Peak	hassl	12/05/12 06:22
PCB-1232 Peak 3	2.98	Split Peak	hassl	12/05/12 06:22
PCB-1232 Peak 4	3.12	Split Peak	hassl	12/05/12 06:22
PCB-1232 Peak 5	3.73	Split Peak	hassl	12/05/12 06:22

Lab Sample ID: STD1 240-67207/7 IC Client Sample ID:

Date Analyzed: 12/04/12 09:29 Lab File ID: P4000007.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.54	Baseline Event	hassl	12/05/12 06:22
PCB-1232 Peak 2	1.82	Baseline Event	hassl	12/05/12 06:22
PCB-1232 Peak 3	2.22	Baseline Event	hassl	12/05/12 06:22
PCB-1232 Peak 4	2.34	Baseline Event	hassl	12/05/12 06:22
PCB-1232 Peak 5	2.71	Baseline Event	hassl	12/05/12 06:22

Lab Sample ID: STD2 240-67207/8 IC Client Sample ID:

Date Analyzed: 12/04/12 09:45 Lab File ID: P4000008.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	2.14	Split Peak	hassl	12/05/12 06:22
PCB-1232 Peak 2	2.53	Split Peak	hassl	12/05/12 06:22
PCB-1232 Peak 3	2.98	Split Peak	hassl	12/05/12 06:22
PCB-1232 Peak 4	3.12	Split Peak	hassl	12/05/12 06:22
PCB-1232 Peak 5	3.73	Split Peak	hassl	12/05/12 06:22

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 67207

Lab Sample ID: ICV 240-67207/46 Client Sample ID:

Date Analyzed: 12/04/12 19:49 Lab File ID: P4000046.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	2.14	Split Peak	hassl	12/05/12 06:29
PCB-1232 Peak 2	2.53	Split Peak	hassl	12/05/12 06:29
PCB-1232 Peak 3	2.98	Split Peak	hassl	12/05/12 06:29
PCB-1232 Peak 4	3.12	Split Peak	hassl	12/05/12 06:29
PCB-1232 Peak 5	3.73	Split Peak	hassl	12/05/12 06:29

Lab Sample ID: ICV 240-67207/47 Client Sample ID:

Date Analyzed: 12/04/12 20:05 Lab File ID: P4000047.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.54	Baseline Event	hassl	12/05/12 06:28
PCB-1242 Peak 2	1.83	Baseline Event	hassl	12/05/12 06:28
PCB-1242 Peak 3	2.22	Baseline Event	hassl	12/05/12 06:28
PCB-1242 Peak 4	2.34	Baseline Event	hassl	12/05/12 06:28
PCB-1242 Peak 5	2.72	Baseline Event	hassl	12/05/12 06:28

Lab Sample ID: ICV 240-67207/49 Client Sample ID:

Date Analyzed: 12/04/12 20:37 Lab File ID: P4000049.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.08	Baseline Event	hassl	12/05/12 06:28
PCB-1254 Peak 2	3.72	Baseline Event	hassl	12/05/12 06:28
PCB-1254 Peak 3	4.01	Baseline Event	hassl	12/05/12 06:28
PCB-1254 Peak 4	4.20	Baseline Event	hassl	12/05/12 06:28
PCB-1254 Peak 5	4.48	Baseline Event	hassl	12/05/12 06:28

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 67207

Lab Sample ID: ICV 240-67207/50 Client Sample ID:

Date Analyzed: 12/04/12 20:52 Lab File ID: P4000050.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.14	Baseline Event	hassl	12/05/12 06:28
PCB-1016 Peak 2	2.53	Baseline Event	hassl	12/05/12 06:28
PCB-1016 Peak 3	2.98	Baseline Event	hassl	12/05/12 06:28
PCB-1016 Peak 4	3.12	Baseline Event	hassl	12/05/12 06:28
PCB-1016 Peak 5	3.22	Baseline Event	hassl	12/05/12 06:28

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 69717

Lab Sample ID: CCV 240-69717/3 CCVRT Client Sample ID:

Date Analyzed: 12/21/12 06:50 Lab File ID: P4000003.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.93	Baseline Event	hassl	12/21/12 09:43
PCB-1260 Peak 2	5.16	Baseline Event	hassl	12/21/12 09:43
PCB-1260 Peak 3	5.53	Baseline Event	hassl	12/21/12 09:43
PCB-1260 Peak 4	6.21	Baseline Event	hassl	12/21/12 09:43
PCB-1260 Peak 5	6.60	Baseline Event	hassl	12/21/12 09:43

Lab Sample ID: LCS 240-69415/24-A Client Sample ID:

Date Analyzed: 12/21/12 12:20 Lab File ID: P4000024.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	3.91	Baseline Event	hassl	12/21/12 13:48
PCB-1260 Peak 2	4.20	Baseline Event	hassl	12/21/12 13:48
PCB-1260 Peak 3	4.48	Baseline Event	hassl	12/21/12 13:48
PCB-1260 Peak 4	5.18	Baseline Event	hassl	12/21/12 13:48
PCB-1260 Peak 5	5.47	Baseline Event	hassl	12/21/12 13:48
DCB Decachlorobiphenyl	6.62	Baseline Event	hassl	12/21/12 13:48

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 70556

Lab Sample ID: CCV 240-70556/3 CCVRT Client Sample ID:

Date Analyzed: 12/29/12 19:07 Lab File ID: P4000003.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.14	Baseline Event	hassl	12/31/12 09:12
PCB-1016 Peak 2	2.53	Baseline Event	hassl	12/31/12 09:12
PCB-1016 Peak 3	2.98	Baseline Event	hassl	12/31/12 09:12
PCB-1016 Peak 4	3.12	Baseline Event	hassl	12/31/12 09:12
PCB-1016 Peak 5	3.22	Baseline Event	hassl	12/31/12 09:12

Lab Sample ID: 240-18581-6 MS Client Sample ID: 070SB-047M-0001-SO MS

Date Analyzed: 12/29/12 20:10 Lab File ID: P4000007.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.54	Split Peak	hassl	12/31/12 09:13
PCB-1016 Peak 2	1.83	Split Peak	hassl	12/31/12 09:13
PCB-1016 Peak 3	2.22	Split Peak	hassl	12/31/12 09:13
PCB-1016 Peak 4	2.34	Split Peak	hassl	12/31/12 09:13
PCB-1016 Peak 5	2.71	Split Peak	hassl	12/31/12 09:13

Lab Sample ID: LCS 240-70113/19-A Client Sample ID:

Date Analyzed: 12/30/12 00:53 Lab File ID: P4000025.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.93	Baseline Event	hassl	12/31/12 09:20
PCB-1260 Peak 2	5.16	Baseline Event	hassl	12/31/12 09:20
PCB-1260 Peak 3	5.53	Baseline Event	hassl	12/31/12 09:20
PCB-1260 Peak 4	6.22	Baseline Event	hassl	12/31/12 09:20
PCB-1260 Peak 5	6.60	Baseline Event	hassl	12/31/12 09:20

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 70556

Lab Sample ID: MRL 240-70556/27 Client Sample ID:

Date Analyzed: 12/30/12 01:25 Lab File ID: P4000027.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.93	Split Peak	hassl	12/31/12 09:21
PCB-1260 Peak 2	5.16	Split Peak	hassl	12/31/12 09:21
PCB-1260 Peak 3	5.53	Split Peak	hassl	12/31/12 09:21
PCB-1260 Peak 4	6.21	Split Peak	hassl	12/31/12 09:21
PCB-1260 Peak 5	6.60	Split Peak	hassl	12/31/12 09:21

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 70882

Lab Sample ID: LCS 240-70774/18-A Client Sample ID:

Date Analyzed: 01/02/13 19:58 Lab File ID: P4000025.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.93	Baseline Event	hassl	01/03/13 07:10
PCB-1260 Peak 2	5.16	Baseline Event	hassl	01/03/13 07:10
PCB-1260 Peak 3	5.53	Baseline Event	hassl	01/03/13 07:10
PCB-1260 Peak 4	6.22	Baseline Event	hassl	01/03/13 07:10
PCB-1260 Peak 5	6.60	Baseline Event	hassl	01/03/13 07:10

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP1 Analysis Batch Number: 58097

Lab Sample ID: STD 240-58097/10 IC Client Sample ID:

Date Analyzed: 09/18/12 13:18 Lab File ID: P1000010.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	9.27	Baseline Event	roachc	09/18/12 19:40

Lab Sample ID: STD 240-58097/11 IC Client Sample ID:

Date Analyzed: 09/18/12 13:42 Lab File ID: P1000011.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	9.27	Baseline Event	roachc	09/18/12 19:40

Lab Sample ID: ICV 240-58097/16 Client Sample ID:

Date Analyzed: 09/18/12 15:40 Lab File ID: P1000016.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	9.27	Baseline Event	roachc	09/18/12 19:41

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP1 Analysis Batch Number: 67147

Lab Sample ID: STD 240-67147/6 IC Client Sample ID:

Date Analyzed: 12/03/12 17:53 Lab File ID: P1000006.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	1.25	Baseline Event	roachc	12/04/12 07:58

Lab Sample ID: STD 240-67147/6 IC Client Sample ID:

Date Analyzed: 12/03/12 17:53 Lab File ID: P1000006.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	1.39	Baseline Event	roachc	12/04/12 07:58
Dichlorprop	8.60	Baseline Event	roachc	12/04/12 07:58
2,4-D	8.96	Baseline Event	roachc	12/04/12 07:58
Silvex (2,4,5-TP)	9.89	Baseline Event	roachc	12/04/12 07:58
2,4-DB	11.02	Baseline Event	roachc	12/04/12 07:58
Dinoseb	11.40	Baseline Event	roachc	12/04/12 07:58

Lab Sample ID: STD 240-67147/7 IC Client Sample ID:

Date Analyzed: 12/03/12 18:17 Lab File ID: P1000007.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dinoseb	11.40	Baseline Event	roachc	12/04/12 07:59

Lab Sample ID: STD 240-67147/8 ICRT Client Sample ID:

Date Analyzed: 12/03/12 18:41 Lab File ID: P1000008.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorprop	8.59	Baseline Event	roachc	12/04/12 07:59

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP1 Analysis Batch Number: 67147

Lab Sample ID: ICV 240-67147/12 Client Sample ID:

Date Analyzed: 12/03/12 20:15 Lab File ID: P1000012.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Silvex (2,4,5-TP)	9.08	Baseline Event	roachc	12/04/12 08:04

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP1 Analysis Batch Number: 69890

Lab Sample ID: MRL 240-69890/17 Client Sample ID:

Date Analyzed: 12/22/12 17:21 Lab File ID: P1000017.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,5-T	10.36	Baseline Event	bolgrind	12/26/12 15:16

Lab Sample ID: CCV 240-69890/39 Client Sample ID:

Date Analyzed: 12/23/12 01:59 Lab File ID: P1000039.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-DB	10.99	Baseline Event	bolgrind	12/24/12 10:11
Dinoseb	11.36	Baseline Event	bolgrind	12/26/12 15:19

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: PDA1 Analysis Batch Number: 7846

Lab Sample ID: LODV 320-7846/12 Client Sample ID:

Date Analyzed: 12/26/12 15:13 Lab File ID: 320-0001966-012-1.d GC Column: Luna NH2 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroguanidine	4.27	Baseline	noonanr	12/26/12 15:39

8330 Modified

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: PDA1 Analysis Batch Number: 7855

Lab Sample ID: 240-18581-1 MS Client Sample ID: 070SB-0042M-0001-SO MS

Date Analyzed: 12/27/12 02:28 Lab File ID: 320-0001969-046-1.d GC Column: Luna NH2 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroguanidine	4.25	Split Peak	noonanr	12/28/12 09:03

8330 Modified

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 3377

Lab Sample ID: STD05 320-3377/6 IC Client Sample ID:

Date Analyzed: 09/01/12 14:30 Lab File ID: A-000010.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Nitrotoluene	27.05	Baseline	noonanr	09/13/12 09:42

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 8012

Lab Sample ID: CCV 320-8012/67 CCVRT Client Sample ID:

Date Analyzed: 12/29/12 23:13 Lab File ID: ZB000058.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PETN	28.57	Incomplete Integration	noonanr	12/31/12 12:38

Lab Sample ID: CCVL 320-8012/30 Client Sample ID:

Date Analyzed: 12/29/12 23:53 Lab File ID: ZB000059.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroglycerin	14.79	Baseline	noonanr	12/31/12 12:43
4-Amino-2,6-dinitrotoluene	16.15	Baseline	noonanr	12/31/12 12:46
PETN	28.48	Incomplete Integration	noonanr	12/31/12 12:46

Lab Sample ID: 240-18581-1 MSD Client Sample ID: 070SB-0042M-0001-SO MSD

Date Analyzed: 12/30/12 03:14 Lab File ID: ZB000064.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PETN	28.54	Incomplete Integration	noonanr	12/31/12 12:50

Lab Sample ID: CCV 320-8012/38 CCVRT Client Sample ID:

Date Analyzed: 12/30/12 05:15 Lab File ID: ZB000067.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Nitrotoluene	26.28	Incomplete Integration	noonanr	12/31/12 12:52

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 8012

Lab Sample ID: CCVL 320-8012/39 Client Sample ID:

Date Analyzed: 12/30/12 05:55 Lab File ID: ZB000068.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
RDX	7.50	Incomplete Integration	noonanr	12/31/12 12:56
2,4,6-Trinitrotoluene	15.72	Incomplete Integration	noonanr	12/31/12 12:56
2-Amino-4,6-dinitrotoluene	17.25	Incomplete Integration	noonanr	12/31/12 12:56
2,6-Dinitrotoluene	18.78	Incomplete Integration	noonanr	12/31/12 12:56
PETN	28.67	Incomplete Integration	noonanr	12/31/12 12:56

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: LC12 Analysis Batch Number: 4221

Lab Sample ID: LODV 320-4221/13 Client Sample ID:

Date Analyzed: 10/02/12 00:29 Lab File ID: C-000015.D GC Column: Zorbax CN ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PETN	52.75	Baseline	noonanr	10/02/12 09:20

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: LC12 Analysis Batch Number: 8144

Lab Sample ID: MB 320-7655/1-A Client Sample ID:

Date Analyzed: 01/03/13 01:44 Lab File ID: B000015.D GC Column: Zorbax CN ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3,4-Dinitrotoluene	36.14	Split Peak	noonanr	01/03/13 07:48

Lab Sample ID: 240-18581-1 Client Sample ID: 070SB-0042M-0001-SO

Date Analyzed: 01/03/13 02:50 Lab File ID: B000016.D GC Column: Zorbax CN ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Dinitrobenzene	23.29	Split Peak	noonanr	01/03/13 07:54
2,6-Dinitrotoluene	31.83	Split Peak	noonanr	01/03/13 07:54
HMX	40.75	Baseline	noonanr	01/03/13 07:54

SAMPLE SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-18581-1	070SB-0042M-0001-SO	Solid	12/07/2012 1145	12/08/2012 1120
240-18581-1MS	070SB-0042M-0001-SO	Solid	12/07/2012 1145	12/08/2012 1120
240-18581-1MSD	070SB-0042M-0001-SO	Solid	12/07/2012 1145	12/08/2012 1120
240-18581-1DU	070SB-0042M-0001-SO	Solid	12/07/2012 1145	12/08/2012 1120
240-18581-2	070SB-043M-0001-SO	Solid	12/07/2012 1145	12/08/2012 1120
240-18581-3	070SB-044M-0001-SO	Solid	12/07/2012 1115	12/08/2012 1120
240-18581-3MS	070SB-044M-0001-SO	Solid	12/07/2012 1115	12/08/2012 1120
240-18581-3MSD	070SB-044M-0001-SO	Solid	12/07/2012 1115	12/08/2012 1120
240-18581-3DU	070SB-044M-0001-SO	Solid	12/07/2012 1115	12/08/2012 1120
240-18581-4	070SB-045M-0001-SO	Solid	12/07/2012 1115	12/08/2012 1120
240-18581-5	070SB-046M-0001-SO	Solid	12/07/2012 1050	12/08/2012 1120
240-18581-6	070SB-047M-0001-SO	Solid	12/07/2012 1050	12/08/2012 1120
240-18581-7	072SB-0056-0001-SO	Solid	12/07/2012 1304	12/08/2012 1120
240-18581-8	072SB-0057-0001-SO	Solid	12/07/2012 1325	12/08/2012 1120
240-18581-9	072SB-0058-0001-SO	Solid	12/07/2012 1335	12/08/2012 1120
240-18581-10	072SB-0059-0001-SO	Solid	12/07/2012 1337	12/08/2012 1120
240-18581-11	072SB-0060-0001-SO	Solid	12/07/2012 1345	12/08/2012 1120
240-18581-12TB	072SB-0061-0001-TB	Water	12/07/2012 0800	12/08/2012 1120
240-18581-13	072SB-0070-0001-SO	Solid	12/07/2012 1420	12/08/2012 1120
240-18581-14	072SB-0071-0001-SO	Solid	12/07/2012 1440	12/08/2012 1120
240-18581-15	072SB-0072-0001-SO	Solid	12/07/2012 1455	12/08/2012 1120
240-18581-16	072SB-0073-0001-SO	Solid	12/07/2012 1505	12/08/2012 1120
240-18581-17	070SS-0048M-0001-SO	Solid	12/07/2012 1022	12/08/2012 1120
240-18581-18	070SB-0049M-0001-SO	Solid	12/07/2012 1022	12/08/2012 1120
240-18581-19	070SB-0050M-0001-SO	Solid	12/07/2012 0925	12/08/2012 1120
240-18581-20	070SB-0051M-0001-SO	Solid	12/07/2012 0945	12/08/2012 1120
240-18581-21	070SB-0052M-0001-SO	Solid	12/07/2012 1000	12/08/2012 1120
240-18581-22	070SB-0053M-0001-SO	Solid	12/07/2012 1018	12/08/2012 1120
240-18581-23	070SB-0054M-0001-SO	Solid	12/07/2012 1025	12/08/2012 1120
240-18581-24TB	070SB-0074-0001-TB	Water	12/07/2012 0800	12/08/2012 1120

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-1	**070SB-0042M-0001-SO**					
2-Butanone (MEK)		6.2	J	18	ug/Kg	8260B/DoD
Acetone		24		18	ug/Kg	8260B/DoD
Benzene		0.73	J	4.5	ug/Kg	8260B/DoD
Ethylbenzene		4.7		4.5	ug/Kg	8260B/DoD
Toluene		2.7	J	4.5	ug/Kg	8260B/DoD
Xylenes, Total		20		8.9	ug/Kg	8260B/DoD
Acenaphthene		380	D	66	ug/Kg	8270C/DoD
Acenaphthylene		79	D	66	ug/Kg	8270C/DoD
Benzo[a]anthracene		140	D	66	ug/Kg	8270C/DoD
Benzo[a]pyrene		41	J D	66	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		34	J D M	66	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		57	J D M	66	ug/Kg	8270C/DoD
Chrysene		190	D	66	ug/Kg	8270C/DoD
Dibenzofuran		250	J D	500	ug/Kg	8270C/DoD
Fluoranthene		170	D	66	ug/Kg	8270C/DoD
Fluorene		650	J D	66	ug/Kg	8270C/DoD
2-Methylnaphthalene		680	J D	66	ug/Kg	8270C/DoD
Naphthalene		50	J D	66	ug/Kg	8270C/DoD
Phenanthrene		1000	D	66	ug/Kg	8270C/DoD
Pyrene		1000	D	66	ug/Kg	8270C/DoD
C10-C20		370	D	210	mg/Kg	8015B_DRO/DOD
C20-C34		430	D M	210	mg/Kg	8015B_DRO/DOD
Silver		0.033	J	0.097	mg/Kg	6020/DOD
Aluminum		12000		2.9	mg/Kg	6020/DOD
Arsenic		9.6		0.097	mg/Kg	6020/DOD
Barium		93	Q	0.97	mg/Kg	6020/DOD
Beryllium		0.69		0.097	mg/Kg	6020/DOD
Calcium		7000		9.7	mg/Kg	6020/DOD
Cadmium		0.21		0.097	mg/Kg	6020/DOD
Chromium		17		0.19	mg/Kg	6020/DOD
Cobalt		13	Q	0.049	mg/Kg	6020/DOD
Copper		19	Q	0.19	mg/Kg	6020/DOD
Iron		27000	B	4.9	mg/Kg	6020/DOD
Magnesium		4100		9.7	mg/Kg	6020/DOD
Manganese		510		0.49	mg/Kg	6020/DOD
Sodium		60		9.7	mg/Kg	6020/DOD
Nickel		26		0.097	mg/Kg	6020/DOD
Lead		14		0.097	mg/Kg	6020/DOD
Thallium		0.16		0.097	mg/Kg	6020/DOD
Vanadium		19		0.097	mg/Kg	6020/DOD
Zinc		57	Q	0.49	mg/Kg	6020/DOD
Potassium		1100		9.7	mg/Kg	6020/DOD
Selenium		0.54	Q	0.49	mg/Kg	6020/DOD
Mercury		0.018	J	0.095	mg/Kg	7471/DOD
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Nitrocellulose		7.5	J	45	mg/Kg	WS-WC-0050
Nitrobenzene		0.078	J	0.24	mg/Kg	8330B
240-18581-2	**070SB-043M-0001-SO**					
2-Butanone (MEK)		5.5	J	21	ug/Kg	8260B/DoD
Acetone		27		21	ug/Kg	8260B/DoD
Benzene		0.84	J	5.4	ug/Kg	8260B/DoD
Ethylbenzene		4.7	J	5.4	ug/Kg	8260B/DoD
Methylene Chloride		1.8	J	5.4	ug/Kg	8260B/DoD
Toluene		1.9	J	5.4	ug/Kg	8260B/DoD
Xylenes, Total		20		11	ug/Kg	8260B/DoD
Acenaphthene		260	D	66	ug/Kg	8270C/DoD
Acenaphthylene		61	J D	66	ug/Kg	8270C/DoD
Benzo[a]anthracene		150	D	66	ug/Kg	8270C/DoD
Benzo[a]pyrene		51	J D	66	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		33	J D	66	ug/Kg	8270C/DoD
Chrysene		98	D	66	ug/Kg	8270C/DoD
Dibenzofuran		180	J D	490	ug/Kg	8270C/DoD
Fluoranthene		120	D	66	ug/Kg	8270C/DoD
Fluorene		500	D	66	ug/Kg	8270C/DoD
2-Methylnaphthalene		660	D	66	ug/Kg	8270C/DoD
Naphthalene		51	J D	66	ug/Kg	8270C/DoD
Phenanthrene		810	D	66	ug/Kg	8270C/DoD
Pyrene		730	D	66	ug/Kg	8270C/DoD
C6-C12		980		110	ug/Kg	8015B
C10-C20		350	D	100	mg/Kg	8015B_DRO/DOD
C20-C34		400	D M	100	mg/Kg	8015B_DRO/DOD
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-3	**070SB-044M-0001-SO**					
2-Butanone (MEK)		12	J	23	ug/Kg	8260B/DoD
2-Hexanone		1.8	J	23	ug/Kg	8260B/DoD
4-Methyl-2-pentanone (MIBK)		1.3	J	23	ug/Kg	8260B/DoD
Acetone		41		23	ug/Kg	8260B/DoD
Benzene		1.3	J	5.7	ug/Kg	8260B/DoD
Ethylbenzene		1.8	J	5.7	ug/Kg	8260B/DoD
Toluene		3.3	J	5.7	ug/Kg	8260B/DoD
Silver		0.023	J	0.098	mg/Kg	6020/DOD
Aluminum		10000		2.9	mg/Kg	6020/DOD
Arsenic		7.7		0.098	mg/Kg	6020/DOD
Barium		64	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.68		0.098	mg/Kg	6020/DOD
Calcium		7000		9.8	mg/Kg	6020/DOD
Cadmium		0.19		0.098	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		8.2	Q	0.049	mg/Kg	6020/DOD
Copper		15	Q	0.20	mg/Kg	6020/DOD
Iron		20000	B	4.9	mg/Kg	6020/DOD
Magnesium		3400		9.8	mg/Kg	6020/DOD
Manganese		340		0.49	mg/Kg	6020/DOD
Sodium		89		9.8	mg/Kg	6020/DOD
Nickel		19		0.098	mg/Kg	6020/DOD
Lead		12		0.098	mg/Kg	6020/DOD
Thallium		0.13		0.098	mg/Kg	6020/DOD
Vanadium		14		0.098	mg/Kg	6020/DOD
Zinc		44	Q	0.49	mg/Kg	6020/DOD
Potassium		800		9.8	mg/Kg	6020/DOD
Selenium		0.47	J Q	0.49	mg/Kg	6020/DOD
Mercury		0.017	J	0.11	mg/Kg	7471/DOD
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
Nitrocellulose		8.3	J	41	mg/Kg	WS-WC-0050
240-18581-4	**070SB-045M-0001-SO**					
2-Methylnaphthalene		81	D	67	ug/Kg	8270C/DoD
Naphthalene		69	D	67	ug/Kg	8270C/DoD
Phenanthrene		45	J D	67	ug/Kg	8270C/DoD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.5		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-5	**070SB-046M-0001-SO**					
2-Butanone (MEK)		4.6	J	21	ug/Kg	8260B/DoD
2-Hexanone		2.3	J	21	ug/Kg	8260B/DoD
4-Methyl-2-pentanone (MIBK)		1.0	J	21	ug/Kg	8260B/DoD
Acetone		19	J	21	ug/Kg	8260B/DoD
Benzene		0.40	J	5.2	ug/Kg	8260B/DoD
Carbon disulfide		0.63	J	5.2	ug/Kg	8260B/DoD
Methylene Chloride		8.0		5.2	ug/Kg	8260B/DoD
Toluene		2.5	J	5.2	ug/Kg	8260B/DoD
Silver		0.026	J	0.097	mg/Kg	6020/DOD
Aluminum		6900		2.9	mg/Kg	6020/DOD
Arsenic		7.8		0.097	mg/Kg	6020/DOD
Barium		39	Q	0.97	mg/Kg	6020/DOD
Beryllium		0.35		0.097	mg/Kg	6020/DOD
Calcium		1600		9.7	mg/Kg	6020/DOD
Cadmium		0.15		0.097	mg/Kg	6020/DOD
Chromium		9.8		0.19	mg/Kg	6020/DOD
Cobalt		5.5	Q	0.049	mg/Kg	6020/DOD
Copper		14	Q	0.19	mg/Kg	6020/DOD
Iron		16000	B	4.9	mg/Kg	6020/DOD
Magnesium		1700		9.7	mg/Kg	6020/DOD
Manganese		220		0.49	mg/Kg	6020/DOD
Sodium		69		9.7	mg/Kg	6020/DOD
Nickel		12		0.097	mg/Kg	6020/DOD
Lead		12		0.097	mg/Kg	6020/DOD
Thallium		0.098		0.097	mg/Kg	6020/DOD
Vanadium		12		0.097	mg/Kg	6020/DOD
Zinc		37	Q	0.49	mg/Kg	6020/DOD
Potassium		630		9.7	mg/Kg	6020/DOD
Selenium		0.31	J Q	0.49	mg/Kg	6020/DOD
Mercury		0.018	J	0.088	mg/Kg	7471/DOD
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
Nitrocellulose		8.2	J	47	mg/Kg	WS-WC-0050

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-6	**070SB-047M-0001-SO**					
2-Methylnaphthalene		34	J D	67	ug/Kg	8270C/DoD
Silver		0.029	J	0.10	mg/Kg	6020/DOD
Aluminum		9700		3.0	mg/Kg	6020/DOD
Arsenic		8.1		0.10	mg/Kg	6020/DOD
Barium		55	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.49		0.10	mg/Kg	6020/DOD
Calcium		1500		10	mg/Kg	6020/DOD
Cadmium		0.17		0.10	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		7.6	Q	0.050	mg/Kg	6020/DOD
Copper		16	Q	0.20	mg/Kg	6020/DOD
Iron		20000	B	5.0	mg/Kg	6020/DOD
Magnesium		2500		10	mg/Kg	6020/DOD
Manganese		270		0.50	mg/Kg	6020/DOD
Sodium		91		10	mg/Kg	6020/DOD
Nickel		17		0.10	mg/Kg	6020/DOD
Lead		14		0.10	mg/Kg	6020/DOD
Thallium		0.13		0.10	mg/Kg	6020/DOD
Vanadium		16		0.10	mg/Kg	6020/DOD
Zinc		45	Q	0.50	mg/Kg	6020/DOD
Potassium		850		10	mg/Kg	6020/DOD
Selenium		0.40	J Q	0.50	mg/Kg	6020/DOD
Mercury		0.021	J	0.091	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.6		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-7	**072SB-0056-0001-SO**					
Toluene		1.9	J	4.8	ug/Kg	8260B/DoD
Silver		0.039	J	0.094	mg/Kg	6020/DOD
Aluminum		14000		2.8	mg/Kg	6020/DOD
Arsenic		11		0.094	mg/Kg	6020/DOD
Barium		150	Q	0.94	mg/Kg	6020/DOD
Beryllium		0.74		0.094	mg/Kg	6020/DOD
Calcium		2100		9.4	mg/Kg	6020/DOD
Cadmium		0.24		0.094	mg/Kg	6020/DOD
Chromium		20		0.19	mg/Kg	6020/DOD
Cobalt		11	Q	0.047	mg/Kg	6020/DOD
Copper		18	Q	0.19	mg/Kg	6020/DOD
Iron		27000		4.7	mg/Kg	6020/DOD
Magnesium		4800		9.4	mg/Kg	6020/DOD
Manganese		300		0.47	mg/Kg	6020/DOD
Sodium		110		9.4	mg/Kg	6020/DOD
Nickel		42		0.094	mg/Kg	6020/DOD
Lead		13		0.094	mg/Kg	6020/DOD
Antimony		0.078	J	0.19	mg/Kg	6020/DOD
Thallium		0.17		0.094	mg/Kg	6020/DOD
Vanadium		21		0.094	mg/Kg	6020/DOD
Zinc		57	Q	0.47	mg/Kg	6020/DOD
Potassium		1500		9.4	mg/Kg	6020/DOD
Selenium		0.44	J Q	0.47	mg/Kg	6020/DOD
Mercury		0.018	J	0.13	mg/Kg	7471/DOD
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-8	**072SB-0057-0001-SO**					
Toluene		1.9	J	4.8	ug/Kg	8260B/DoD
Silver		0.030	J	0.11	mg/Kg	6020/DOD
Aluminum		9600		3.3	mg/Kg	6020/DOD
Arsenic		12		0.11	mg/Kg	6020/DOD
Barium		41	Q	1.1	mg/Kg	6020/DOD
Beryllium		0.51		0.11	mg/Kg	6020/DOD
Calcium		8200		11	mg/Kg	6020/DOD
Cadmium		0.18		0.11	mg/Kg	6020/DOD
Chromium		15		0.22	mg/Kg	6020/DOD
Cobalt		10	Q	0.054	mg/Kg	6020/DOD
Copper		17	Q	0.22	mg/Kg	6020/DOD
Iron		24000		5.4	mg/Kg	6020/DOD
Magnesium		4400		11	mg/Kg	6020/DOD
Manganese		340		0.54	mg/Kg	6020/DOD
Sodium		58		11	mg/Kg	6020/DOD
Nickel		25		0.11	mg/Kg	6020/DOD
Lead		11		0.11	mg/Kg	6020/DOD
Antimony		0.056	J	0.22	mg/Kg	6020/DOD
Thallium		0.13		0.11	mg/Kg	6020/DOD
Vanadium		15		0.11	mg/Kg	6020/DOD
Zinc		53	Q	0.54	mg/Kg	6020/DOD
Potassium		1200		11	mg/Kg	6020/DOD
Selenium		0.43	J Q	0.54	mg/Kg	6020/DOD
Mercury		0.018	J	0.11	mg/Kg	7471/DOD
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-9	**072SB-0058-0001-SO**					
Toluene		1.3	J	4.4	ug/Kg	8260B/DoD
Silver		0.031	J	0.087	mg/Kg	6020/DOD
Aluminum		9200		2.6	mg/Kg	6020/DOD
Arsenic		13		0.087	mg/Kg	6020/DOD
Barium		40	Q	0.87	mg/Kg	6020/DOD
Beryllium		0.52		0.087	mg/Kg	6020/DOD
Calcium		3700		8.7	mg/Kg	6020/DOD
Cadmium		0.16		0.087	mg/Kg	6020/DOD
Chromium		15		0.17	mg/Kg	6020/DOD
Cobalt		9.7	Q	0.043	mg/Kg	6020/DOD
Copper		18	Q	0.17	mg/Kg	6020/DOD
Iron		23000		4.3	mg/Kg	6020/DOD
Magnesium		4400		8.7	mg/Kg	6020/DOD
Manganese		280		0.43	mg/Kg	6020/DOD
Sodium		68		8.7	mg/Kg	6020/DOD
Nickel		23		0.087	mg/Kg	6020/DOD
Lead		9.9		0.087	mg/Kg	6020/DOD
Antimony		0.061	J	0.17	mg/Kg	6020/DOD
Thallium		0.12		0.087	mg/Kg	6020/DOD
Vanadium		14		0.087	mg/Kg	6020/DOD
Zinc		51	Q	0.43	mg/Kg	6020/DOD
Potassium		1200		8.7	mg/Kg	6020/DOD
Selenium		0.37	J Q	0.43	mg/Kg	6020/DOD
Mercury		0.020	J	0.13	mg/Kg	7471/DOD
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-10	**072SB-0059-0001-SO**					
Toluene		1.2	J	4.1	ug/Kg	8260B/DoD
Silver		0.031	J	0.10	mg/Kg	6020/DOD
Aluminum		9700		3.1	mg/Kg	6020/DOD
Arsenic		13		0.10	mg/Kg	6020/DOD
Barium		47	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.54		0.10	mg/Kg	6020/DOD
Calcium		1800		10	mg/Kg	6020/DOD
Cadmium		0.20		0.10	mg/Kg	6020/DOD
Chromium		15		0.21	mg/Kg	6020/DOD
Cobalt		11	Q	0.052	mg/Kg	6020/DOD
Copper		18	Q	0.21	mg/Kg	6020/DOD
Iron		24000		5.2	mg/Kg	6020/DOD
Magnesium		3400		10	mg/Kg	6020/DOD
Manganese		390		0.52	mg/Kg	6020/DOD
Sodium		60		10	mg/Kg	6020/DOD
Nickel		27		0.10	mg/Kg	6020/DOD
Lead		10		0.10	mg/Kg	6020/DOD
Antimony		0.077	J	0.21	mg/Kg	6020/DOD
Thallium		0.14		0.10	mg/Kg	6020/DOD
Vanadium		15		0.10	mg/Kg	6020/DOD
Zinc		58	Q	0.52	mg/Kg	6020/DOD
Potassium		1200		10	mg/Kg	6020/DOD
Selenium		0.31	J Q	0.52	mg/Kg	6020/DOD
Mercury		0.019	J	0.12	mg/Kg	7471/DOD
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-11	**072SB-0060-0001-SO**					
Toluene		1.4	J	4.4	ug/Kg	8260B/DoD
Silver		0.025	J	0.098	mg/Kg	6020/DOD
Aluminum		9400		2.9	mg/Kg	6020/DOD
Arsenic		12		0.098	mg/Kg	6020/DOD
Barium		42	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.52		0.098	mg/Kg	6020/DOD
Calcium		1700		9.8	mg/Kg	6020/DOD
Cadmium		0.15		0.098	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		9.4	Q	0.049	mg/Kg	6020/DOD
Copper		18	Q	0.20	mg/Kg	6020/DOD
Iron		23000		4.9	mg/Kg	6020/DOD
Magnesium		3300		9.8	mg/Kg	6020/DOD
Manganese		290		0.49	mg/Kg	6020/DOD
Sodium		63		9.8	mg/Kg	6020/DOD
Nickel		23		0.098	mg/Kg	6020/DOD
Lead		10		0.098	mg/Kg	6020/DOD
Antimony		0.062	J	0.20	mg/Kg	6020/DOD
Thallium		0.16		0.098	mg/Kg	6020/DOD
Vanadium		14		0.098	mg/Kg	6020/DOD
Zinc		50	Q	0.49	mg/Kg	6020/DOD
Potassium		1200		9.8	mg/Kg	6020/DOD
Selenium		0.37	J Q	0.49	mg/Kg	6020/DOD
Mercury		0.017	J	0.11	mg/Kg	7471/DOD
Percent Solids		90		0.10	%	Moisture
Percent Moisture		9.7		0.10	%	Moisture
240-18581-12TB	**072SB-0061-0001-TB**					
Methylene Chloride		0.35	J B	1.0	ug/L	8260B/DoD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-13	**072SB-0070-0001-SO**					
Toluene		1.1	J	4.3	ug/Kg	8260B/DoD
Phenanthrene		18		7.6	ug/Kg	8270C/DoD
Silver		0.028	J	0.094	mg/Kg	6020/DOD
Aluminum		9600		2.8	mg/Kg	6020/DOD
Arsenic		12		0.094	mg/Kg	6020/DOD
Barium		29	Q	0.94	mg/Kg	6020/DOD
Beryllium		0.49		0.094	mg/Kg	6020/DOD
Calcium		8200		9.4	mg/Kg	6020/DOD
Cadmium		0.13		0.094	mg/Kg	6020/DOD
Chromium		14		0.19	mg/Kg	6020/DOD
Cobalt		9.2	Q	0.047	mg/Kg	6020/DOD
Copper		17	Q	0.19	mg/Kg	6020/DOD
Iron		23000		4.7	mg/Kg	6020/DOD
Magnesium		5800		9.4	mg/Kg	6020/DOD
Manganese		210		0.47	mg/Kg	6020/DOD
Sodium		71		9.4	mg/Kg	6020/DOD
Nickel		19		0.094	mg/Kg	6020/DOD
Lead		11		0.094	mg/Kg	6020/DOD
Antimony		0.053	J	0.19	mg/Kg	6020/DOD
Thallium		0.097		0.094	mg/Kg	6020/DOD
Vanadium		14		0.094	mg/Kg	6020/DOD
Zinc		49	Q	0.47	mg/Kg	6020/DOD
Potassium		1600		9.4	mg/Kg	6020/DOD
Selenium		0.40	J Q	0.47	mg/Kg	6020/DOD
Mercury		0.016	J	0.12	mg/Kg	7471/DOD
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-14	**072SB-0071-0001-SO**					
Toluene		1.2	J	4.1	ug/Kg	8260B/DoD
Silver		0.034	J	0.11	mg/Kg	6020/DOD
Aluminum		9700		3.4	mg/Kg	6020/DOD
Arsenic		15		0.11	mg/Kg	6020/DOD
Barium		31	Q	1.1	mg/Kg	6020/DOD
Beryllium		0.52		0.11	mg/Kg	6020/DOD
Calcium		4300		11	mg/Kg	6020/DOD
Cadmium		0.15		0.11	mg/Kg	6020/DOD
Chromium		14		0.23	mg/Kg	6020/DOD
Cobalt		9.9	Q	0.056	mg/Kg	6020/DOD
Copper		19	Q	0.23	mg/Kg	6020/DOD
Iron		26000		5.6	mg/Kg	6020/DOD
Magnesium		4500		11	mg/Kg	6020/DOD
Manganese		200		0.56	mg/Kg	6020/DOD
Sodium		53		11	mg/Kg	6020/DOD
Nickel		24		0.11	mg/Kg	6020/DOD
Lead		10		0.11	mg/Kg	6020/DOD
Antimony		0.065	J	0.23	mg/Kg	6020/DOD
Thallium		0.11		0.11	mg/Kg	6020/DOD
Vanadium		15		0.11	mg/Kg	6020/DOD
Zinc		57	Q	0.56	mg/Kg	6020/DOD
Potassium		1600		11	mg/Kg	6020/DOD
Selenium		0.38	J Q	0.56	mg/Kg	6020/DOD
Mercury		0.017	J	0.11	mg/Kg	7471/DOD
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-15	**072SB-0072-0001-SO**					
Toluene		1.0	J	4.4	ug/Kg	8260B/DoD
Silver		0.032	J	0.10	mg/Kg	6020/DOD
Aluminum		9600		3.0	mg/Kg	6020/DOD
Arsenic		16		0.10	mg/Kg	6020/DOD
Barium		33	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.51		0.10	mg/Kg	6020/DOD
Calcium		11000		10	mg/Kg	6020/DOD
Cadmium		0.15		0.10	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		10	Q	0.051	mg/Kg	6020/DOD
Copper		18	Q	0.20	mg/Kg	6020/DOD
Iron		26000		5.1	mg/Kg	6020/DOD
Magnesium		4700		10	mg/Kg	6020/DOD
Manganese		310		0.51	mg/Kg	6020/DOD
Sodium		54		10	mg/Kg	6020/DOD
Nickel		24		0.10	mg/Kg	6020/DOD
Lead		11		0.10	mg/Kg	6020/DOD
Antimony		0.069	J	0.20	mg/Kg	6020/DOD
Thallium		0.11		0.10	mg/Kg	6020/DOD
Vanadium		14		0.10	mg/Kg	6020/DOD
Zinc		52	Q	0.51	mg/Kg	6020/DOD
Potassium		1600		10	mg/Kg	6020/DOD
Selenium		0.34	J Q	0.51	mg/Kg	6020/DOD
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-16	**072SB-0073-0001-SO**					
Toluene		1.0	J	4.5	ug/Kg	8260B/DoD
Silver		0.034	J	0.11	mg/Kg	6020/DOD
Aluminum		10000		3.3	mg/Kg	6020/DOD
Arsenic		15		0.11	mg/Kg	6020/DOD
Barium		32	Q	1.1	mg/Kg	6020/DOD
Beryllium		0.55		0.11	mg/Kg	6020/DOD
Calcium		3700		11	mg/Kg	6020/DOD
Cadmium		0.16		0.11	mg/Kg	6020/DOD
Chromium		15		0.22	mg/Kg	6020/DOD
Cobalt		11	Q	0.056	mg/Kg	6020/DOD
Copper		19	Q	0.22	mg/Kg	6020/DOD
Iron		26000		5.6	mg/Kg	6020/DOD
Magnesium		4600		11	mg/Kg	6020/DOD
Manganese		190		0.56	mg/Kg	6020/DOD
Sodium		56		11	mg/Kg	6020/DOD
Nickel		26		0.11	mg/Kg	6020/DOD
Lead		10		0.11	mg/Kg	6020/DOD
Antimony		0.060	J	0.22	mg/Kg	6020/DOD
Thallium		0.12		0.11	mg/Kg	6020/DOD
Vanadium		15		0.11	mg/Kg	6020/DOD
Zinc		59	Q	0.56	mg/Kg	6020/DOD
Potassium		1800		11	mg/Kg	6020/DOD
Selenium		0.42	J Q	0.56	mg/Kg	6020/DOD
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-17	**070SS-0048M-0001-SO**					
Acenaphthene		12		6.7	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		61		51	ug/Kg	8270C/DoD
Butyl benzyl phthalate		16	J	51	ug/Kg	8270C/DoD
Fluoranthene		7.7		6.7	ug/Kg	8270C/DoD
Fluorene		19		6.7	ug/Kg	8270C/DoD
Phenanthrene		38		6.7	ug/Kg	8270C/DoD
Pyrene		8.7		6.7	ug/Kg	8270C/DoD
Silver		0.029	J	0.096	mg/Kg	6020/DOD
Aluminum		9600		2.9	mg/Kg	6020/DOD
Arsenic		8.8		0.096	mg/Kg	6020/DOD
Barium		64	Q	0.96	mg/Kg	6020/DOD
Beryllium		0.57		0.096	mg/Kg	6020/DOD
Calcium		15000		9.6	mg/Kg	6020/DOD
Cadmium		0.17		0.096	mg/Kg	6020/DOD
Chromium		14		0.19	mg/Kg	6020/DOD
Cobalt		49	Q	0.048	mg/Kg	6020/DOD
Copper		16	Q	0.19	mg/Kg	6020/DOD
Iron		21000	B	4.8	mg/Kg	6020/DOD
Magnesium		4300		9.6	mg/Kg	6020/DOD
Manganese		380		0.48	mg/Kg	6020/DOD
Sodium		150		9.6	mg/Kg	6020/DOD
Nickel		23		0.096	mg/Kg	6020/DOD
Lead		12		0.096	mg/Kg	6020/DOD
Thallium		0.11		0.096	mg/Kg	6020/DOD
Vanadium		13		0.096	mg/Kg	6020/DOD
Zinc		46	Q	0.48	mg/Kg	6020/DOD
Potassium		1300		9.6	mg/Kg	6020/DOD
Selenium		0.34	J Q	0.48	mg/Kg	6020/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.7		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-18	**070SB-0049M-0001-SO**					
Bis(2-ethylhexyl) phthalate		27	J	50	ug/Kg	8270C/DoD
Naphthalene		3.9	J	6.6	ug/Kg	8270C/DoD
Silver		0.015	J	0.099	mg/Kg	6020/DOD
Aluminum		5800		3.0	mg/Kg	6020/DOD
Arsenic		5.8		0.099	mg/Kg	6020/DOD
Barium		31	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.32		0.099	mg/Kg	6020/DOD
Calcium		6800		9.9	mg/Kg	6020/DOD
Cadmium		0.098	J	0.099	mg/Kg	6020/DOD
Chromium		9.1		0.20	mg/Kg	6020/DOD
Cobalt		7.2	Q	0.050	mg/Kg	6020/DOD
Copper		9.9	Q	0.20	mg/Kg	6020/DOD
Iron		14000	B	5.0	mg/Kg	6020/DOD
Magnesium		2700		9.9	mg/Kg	6020/DOD
Manganese		200		0.50	mg/Kg	6020/DOD
Sodium		74		9.9	mg/Kg	6020/DOD
Nickel		15		0.099	mg/Kg	6020/DOD
Lead		6.5		0.099	mg/Kg	6020/DOD
Thallium		0.075	J	0.099	mg/Kg	6020/DOD
Vanadium		8.7		0.099	mg/Kg	6020/DOD
Zinc		27	Q	0.50	mg/Kg	6020/DOD
Potassium		920		9.9	mg/Kg	6020/DOD
Selenium		0.24	J Q	0.50	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.89		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-19	**070SB-0050M-0001-SO**					
Bis(2-ethylhexyl) phthalate		29	J	51	ug/Kg	8270C/DoD
Dibenzofuran		3.8	J	51	ug/Kg	8270C/DoD
Fluoranthene		7.9		6.8	ug/Kg	8270C/DoD
Fluorene		3.4	J	6.8	ug/Kg	8270C/DoD
2-Methylnaphthalene		5.2	J	6.8	ug/Kg	8270C/DoD
Naphthalene		5.6	J	6.8	ug/Kg	8270C/DoD
Phenanthrene		14		6.8	ug/Kg	8270C/DoD
Pyrene		4.2	J	6.8	ug/Kg	8270C/DoD
Silver		0.018	J	0.10	mg/Kg	6020/DOD
Aluminum		8100		3.0	mg/Kg	6020/DOD
Arsenic		5.8		0.10	mg/Kg	6020/DOD
Barium		70	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.52		0.10	mg/Kg	6020/DOD
Calcium		6200		10	mg/Kg	6020/DOD
Cadmium		0.13		0.10	mg/Kg	6020/DOD
Chromium		12		0.20	mg/Kg	6020/DOD
Cobalt		28	Q	0.050	mg/Kg	6020/DOD
Copper		12	Q	0.20	mg/Kg	6020/DOD
Iron		17000	B	5.0	mg/Kg	6020/DOD
Magnesium		3300		10	mg/Kg	6020/DOD
Manganese		280		0.50	mg/Kg	6020/DOD
Sodium		110		10	mg/Kg	6020/DOD
Nickel		22		0.10	mg/Kg	6020/DOD
Lead		8.2		0.10	mg/Kg	6020/DOD
Thallium		0.074	J	0.10	mg/Kg	6020/DOD
Vanadium		11		0.10	mg/Kg	6020/DOD
Zinc		34	Q	0.50	mg/Kg	6020/DOD
Potassium		1200		10	mg/Kg	6020/DOD
Selenium		0.33	J Q	0.50	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.3		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-20	**070SB-0051M-0001-SO**					
Silver		0.017	J	0.10	mg/Kg	6020/DOD
Aluminum		3900		3.0	mg/Kg	6020/DOD
Arsenic		1.8		0.10	mg/Kg	6020/DOD
Barium		33	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.34		0.10	mg/Kg	6020/DOD
Calcium		13000		10	mg/Kg	6020/DOD
Cadmium		0.12		0.10	mg/Kg	6020/DOD
Chromium		6.1		0.20	mg/Kg	6020/DOD
Cobalt		32	Q	0.050	mg/Kg	6020/DOD
Copper		4.7	Q	0.20	mg/Kg	6020/DOD
Iron		5200	B	5.0	mg/Kg	6020/DOD
Magnesium		1800		10	mg/Kg	6020/DOD
Manganese		260		0.50	mg/Kg	6020/DOD
Sodium		110		10	mg/Kg	6020/DOD
Nickel		5.8		0.10	mg/Kg	6020/DOD
Lead		9.1		0.10	mg/Kg	6020/DOD
Thallium		0.030	J	0.10	mg/Kg	6020/DOD
Vanadium		4.7		0.10	mg/Kg	6020/DOD
Zinc		18	Q	0.50	mg/Kg	6020/DOD
Potassium		530		10	mg/Kg	6020/DOD
Selenium		0.26	J Q	0.50	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.76		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-21	**070SB-0052M-0001-SO**					
Silver		0.020	J	0.10	mg/Kg	6020/DOD
Aluminum		7700		3.0	mg/Kg	6020/DOD
Arsenic		8.0		0.10	mg/Kg	6020/DOD
Barium		43	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.42		0.10	mg/Kg	6020/DOD
Calcium		5100		10	mg/Kg	6020/DOD
Cadmium		0.13		0.10	mg/Kg	6020/DOD
Chromium		12		0.20	mg/Kg	6020/DOD
Cobalt		14	Q	0.050	mg/Kg	6020/DOD
Copper		13	Q	0.20	mg/Kg	6020/DOD
Iron		18000	B	5.0	mg/Kg	6020/DOD
Magnesium		3200		10	mg/Kg	6020/DOD
Manganese		270		0.50	mg/Kg	6020/DOD
Sodium		76		10	mg/Kg	6020/DOD
Nickel		20		0.10	mg/Kg	6020/DOD
Lead		9.0		0.10	mg/Kg	6020/DOD
Thallium		0.097	J	0.10	mg/Kg	6020/DOD
Vanadium		11		0.10	mg/Kg	6020/DOD
Zinc		38	Q	0.50	mg/Kg	6020/DOD
Potassium		1100		10	mg/Kg	6020/DOD
Selenium		0.27	J Q	0.50	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.2		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-22	**070SB-0053M-0001-SO**					
Silver		0.017	J	0.098	mg/Kg	6020/DOD
Aluminum		7300		2.9	mg/Kg	6020/DOD
Arsenic		6.5		0.098	mg/Kg	6020/DOD
Barium		38	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.38		0.098	mg/Kg	6020/DOD
Calcium		11000		9.8	mg/Kg	6020/DOD
Cadmium		0.11		0.098	mg/Kg	6020/DOD
Chromium		12		0.20	mg/Kg	6020/DOD
Cobalt		8.6	Q	0.049	mg/Kg	6020/DOD
Copper		13	Q	0.20	mg/Kg	6020/DOD
Iron		17000	B	4.9	mg/Kg	6020/DOD
Magnesium		3400		9.8	mg/Kg	6020/DOD
Manganese		220		0.49	mg/Kg	6020/DOD
Sodium		86		9.8	mg/Kg	6020/DOD
Nickel		19		0.098	mg/Kg	6020/DOD
Lead		7.6		0.098	mg/Kg	6020/DOD
Thallium		0.091	J	0.098	mg/Kg	6020/DOD
Vanadium		11		0.098	mg/Kg	6020/DOD
Zinc		34	Q	0.49	mg/Kg	6020/DOD
Potassium		1100		9.8	mg/Kg	6020/DOD
Selenium		0.24	J Q	0.49	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.1		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-18581-23	**070SB-0054M-0001-SO**					
Silver		0.027	J	0.099	mg/Kg	6020/DOD
Aluminum		10000		3.0	mg/Kg	6020/DOD
Arsenic		11		0.099	mg/Kg	6020/DOD
Barium		50	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.55		0.099	mg/Kg	6020/DOD
Calcium		16000		9.9	mg/Kg	6020/DOD
Cadmium		0.16		0.099	mg/Kg	6020/DOD
Chromium		16		0.20	mg/Kg	6020/DOD
Cobalt		12	Q	0.050	mg/Kg	6020/DOD
Copper		18	Q	0.20	mg/Kg	6020/DOD
Iron		25000	B	5.0	mg/Kg	6020/DOD
Magnesium		5400		9.9	mg/Kg	6020/DOD
Manganese		310		0.50	mg/Kg	6020/DOD
Sodium		160		9.9	mg/Kg	6020/DOD
Nickel		26		0.099	mg/Kg	6020/DOD
Lead		11		0.099	mg/Kg	6020/DOD
Thallium		0.13		0.099	mg/Kg	6020/DOD
Vanadium		15		0.099	mg/Kg	6020/DOD
Zinc		51	Q	0.50	mg/Kg	6020/DOD
Potassium		1400		9.9	mg/Kg	6020/DOD
Selenium		0.42	J Q	0.50	mg/Kg	6020/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.5		0.10	%	Moisture

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B/DoD	
Closed System Purge and Trap	TAL NC		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C/DoD	
Soxhlet Extraction	TAL NC		SW846 3540C
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C/DoD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Soxhlet Extraction	TAL NC		SW846 3540C
Gasoline Range Organics - (GC)	TAL NC	SW846 8015B	
Closed System Purge and Trap	TAL NC		SW846 5035
Diesel Range Organics (DRO) (GC)	TAL NC	SW846 8015B_DRO/DOD	
Soxhlet Extraction	TAL NC		SW846 3540C
Diesel Range Organics (DRO) (GC)	TAL NC	SW846 8015B_DRO/DOD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Soxhlet Extraction	TAL NC		SW846 3540C
Organochlorine Pesticides (GC)	TAL NC	SW846 8081/DOD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Soxhlet Extraction	TAL NC		SW846 3540C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082/DOD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Soxhlet Extraction	TAL NC		SW846 3540C
Herbicides (GC)	TAL NC	SW846 8151/DOD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Extraction (Herbicides)	TAL NC		SW846 8151A
Mercury (CVAA)	TAL NC	SW846 7471/DOD	
Preparation, Mercury	TAL NC		SW846 7471A
Mercury (CVAA)	TAL NC	SW846 7471/DOD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Preparation, Mercury	TAL NC		SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	
Metals (ICP/MS)	TAL PIT	SW846 6020/DOD	
Preparation, Metals	TAL PIT		SW846 3050B
Nitroguanidine (HPLC)	TAL WSC	SW846 8330 Modified	
Sieve and Ultrasonic Water Bath Extraction (Explosives)	TAL WSC		SW846 Sieve/Ultrasoni
Nitroaromatics and Nitramines (HPLC)	TAL WSC	SW846 8330B	
Sonication Extraction (Explosives)	TAL WSC		SW846 8330B
Nitrocellulose	TAL WSC	TAL-SAC WS-WC-0050	
Nitrocellulose Sample Preparation (Hydrolysis)	TAL WSC		MCAWW 353 (NCell-Hyd)
Nitrocellulose Sample Preparation	TAL WSC		MCAWW 353.2 (NCell)
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B/DoD	
Purge and Trap	TAL NC		SW846 5030B

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Description	Lab Location	Method	Preparation Method

Lab References:

TAL NC = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

TAL WSC = TestAmerica Sacramento

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-SAC = TestAmerica Laboratories, West Sacramento, Facility Standard Operating Procedure.

METHOD / ANALYST SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Evans, Laura	LE
SW846 8260B/DoD	Lata, Todd	TL
SW846 8270C/DoD	Gruber, John	JG
SW846 8015B	Bosworth, Heather M	HMB
SW846 8015B_DRO/DOD	Bolgrin, Deborah	DB
SW846 8081/DOD	Van Doren, Carolyn	CV
SW846 8082/DOD	Hass, Lori	LH
SW846 8151/DOD	Bolgrin, Deborah	DB
SW846 6020/DOD	Reinheimer, Bill	BR
SW846 7471/DOD	Heakin, David	DH
EPA Moisture	Harshman, Tom	TH
EPA Moisture	Martin, Aaron	AM
TAL-SAC WS-WC-0050	Baynes, Jason	JB
SW846 8330 Modified	Noonan, Robyn	RN
SW846 8330B	Noonan, Robyn	RN

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid % Moisture: 18.6 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82538.D
Dilution:	1.0			Initial Weight/Volume:	6.895 g
Analysis Date:	12/17/2012 0350			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		0.89	U	0.50	4.5
1,1,2,2-Tetrachloroethane		0.45	U	0.30	4.5
1,1,2-Trichloroethane		0.45	U	0.35	4.5
1,1-Dichloroethane		0.45	U	0.32	4.5
1,1-Dichloroethene		0.89	U	0.46	4.5
1,2-Dibromoethane		0.89	U	0.45	4.5
1,2-Dichloroethane		0.45	U	0.30	4.5
1,2-Dichloroethene, Total		0.89	U	0.69	8.9
1,2-Dichloropropane		0.89	U	0.62	4.5
2-Butanone (MEK)		6.2	J	1.2	18
2-Hexanone		0.89	U	0.56	18
4-Methyl-2-pentanone (MIBK)		0.89	U	0.48	18
Acetone		24		5.6	18
Benzene		0.73	J	0.21	4.5
Bromochloromethane		0.89	U	0.63	4.5
Bromodichloromethane		0.45	U	0.25	4.5
Bromoform		0.45	U	0.29	4.5
Bromomethane		0.89	U	0.48	4.5
Carbon disulfide		0.45	U	0.39	4.5
Carbon tetrachloride		0.45	U	0.33	4.5
Chlorobenzene		0.45	U	0.29	4.5
Chloroethane		0.89	U	0.77	4.5
Chloroform		0.45	U	0.26	4.5
Chloromethane		0.45	U	0.37	4.5
cis-1,3-Dichloropropene		0.45	U	0.30	4.5
Dibromochloromethane		0.89	U	0.49	4.5
Ethylbenzene		4.7		0.23	4.5
Methyl tert-butyl ether		0.45	U	0.38	4.5
Methylene Chloride		0.89	U	0.60	4.5
Styrene		0.45	U	0.13	4.5
Tetrachloroethene		0.89	U	0.46	4.5
Toluene		2.7	J	0.24	4.5
trans-1,3-Dichloropropene		0.89	U	0.48	4.5
Trichloroethene		0.45	U	0.37	4.5
Vinyl chloride		0.45	U	0.35	4.5
Xylenes, Total		20		0.60	8.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		61 - 130
4-Bromofluorobenzene (Surr)	89		85 - 120
Dibromofluoromethane (Surr)	86		59 - 138
Toluene-d8 (Surr)	88		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-043M-0001-SO**

Lab Sample ID: 240-18581-2 Date Sampled: 12/07/2012 1145
Client Matrix: Solid % Moisture: 20.1 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68879	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82521.D
Dilution:	1.0			Initial Weight/Volume:	5.832 g
Analysis Date:	12/16/2012 0322			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.1	U	0.60	5.4
1,1,2,2-Tetrachloroethane		0.54	U	0.36	5.4
1,1,2-Trichloroethane		0.54	U	0.42	5.4
1,1-Dichloroethane		0.54	U	0.39	5.4
1,1-Dichloroethene		1.1	U	0.56	5.4
1,2-Dibromoethane		1.1	U	0.54	5.4
1,2-Dichloroethane		0.54	U	0.36	5.4
1,2-Dichloroethene, Total		1.1	U	0.83	11
1,2-Dichloropropane		1.1	U	0.74	5.4
2-Butanone (MEK)		5.5	J	1.5	21
2-Hexanone		1.1	U	0.68	21
4-Methyl-2-pentanone (MIBK)		1.1	U	0.58	21
Acetone		27		6.8	21
Benzene		0.84	J	0.25	5.4
Bromochloromethane		1.1	U	0.76	5.4
Bromodichloromethane		0.54	U	0.30	5.4
Bromoform		0.54	U	0.35	5.4
Bromomethane		1.1	U	0.58	5.4
Carbon disulfide		0.54	U	0.47	5.4
Carbon tetrachloride		0.54	U	0.40	5.4
Chlorobenzene		0.54	U	0.35	5.4
Chloroethane		1.1	U	0.92	5.4
Chloroform		0.54	U	0.31	5.4
Chloromethane		0.54	U	0.44	5.4
cis-1,3-Dichloropropene		0.54	U	0.36	5.4
Dibromochloromethane		1.1	U	0.59	5.4
Ethylbenzene		4.7	J	0.28	5.4
Methyl tert-butyl ether		0.54	U	0.46	5.4
Methylene Chloride		1.8	J	0.72	5.4
Styrene		0.54	U	0.16	5.4
Tetrachloroethene		1.1	U	0.56	5.4
Toluene		1.9	J	0.29	5.4
trans-1,3-Dichloropropene		1.1	U	0.58	5.4
Trichloroethene		0.54	U	0.45	5.4
Vinyl chloride		0.54	U	0.42	5.4
Xylenes, Total		20		0.72	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		61 - 130
4-Bromofluorobenzene (Surr)	93		85 - 120
Dibromofluoromethane (Surr)	95		59 - 138
Toluene-d8 (Surr)	99		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid % Moisture: 19.7 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82541.D
Dilution:	1.0			Initial Weight/Volume:	5.483 g
Analysis Date:	12/17/2012 0453			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.1	U	0.64	5.7
1,1,2,2-Tetrachloroethane		0.57	U J	0.39	5.7
1,1,2-Trichloroethane		0.57	U	0.44	5.7
1,1-Dichloroethane		0.57	U	0.41	5.7
1,1-Dichloroethene		1.1	U	0.59	5.7
1,2-Dibromoethane		1.1	U	0.57	5.7
1,2-Dichloroethane		0.57	U	0.39	5.7
1,2-Dichloroethene, Total		1.1	U	0.87	11
1,2-Dichloropropane		1.1	U	0.78	5.7
2-Butanone (MEK)		12	J	1.6	23
2-Hexanone		1.8	J	0.72	23
4-Methyl-2-pentanone (MIBK)		1.3	J	0.61	23
Acetone		41		7.2	23
Benzene		1.3	J	0.26	5.7
Bromochloromethane		1.1	U	0.81	5.7
Bromodichloromethane		0.57	U	0.32	5.7
Bromoform		0.57	U	0.37	5.7
Bromomethane		1.1	U	0.61	5.7
Carbon disulfide		0.57	U	0.50	5.7
Carbon tetrachloride		0.57	U	0.42	5.7
Chlorobenzene		0.57	U	0.37	5.7
Chloroethane		1.1	U	0.98	5.7
Chloroform		0.57	U	0.33	5.7
Chloromethane		0.57	U	0.47	5.7
cis-1,3-Dichloropropene		0.57	U	0.39	5.7
Dibromochloromethane		1.1	U	0.62	5.7
Ethylbenzene		1.8	J	0.30	5.7
Methyl tert-butyl ether		0.57	U	0.49	5.7
Methylene Chloride		1.1	U	0.76	5.7
Styrene		0.57	U	0.17	5.7
Tetrachloroethene		1.1	U	0.59	5.7
Toluene		3.3	J	0.31	5.7
trans-1,3-Dichloropropene		1.1	U	0.61	5.7
Trichloroethene		0.57	U	0.48	5.7
Vinyl chloride		0.57	U	0.44	5.7
Xylenes, Total		1.7	U	0.76	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		61 - 130
4-Bromofluorobenzene (Surr)	72	Q	85 - 120
Dibromofluoromethane (Surr)	89		59 - 138
Toluene-d8 (Surr)	103		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-046M-0001-SO**

Lab Sample ID: 240-18581-5 Date Sampled: 12/07/2012 1050
Client Matrix: Solid % Moisture: 12.3 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82544.D
Dilution:	1.0			Initial Weight/Volume:	5.482 g
Analysis Date:	12/17/2012 0557			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.0	U	0.58	5.2
1,1,2,2-Tetrachloroethane		0.52	U	0.35	5.2
1,1,2-Trichloroethane		0.52	U	0.41	5.2
1,1-Dichloroethane		0.52	U	0.37	5.2
1,1-Dichloroethene		1.0	U	0.54	5.2
1,2-Dibromoethane		1.0	U	0.52	5.2
1,2-Dichloroethane		0.52	U	0.35	5.2
1,2-Dichloroethene, Total		1.0	U	0.80	10
1,2-Dichloropropane		1.0	U	0.72	5.2
2-Butanone (MEK)		4.6	J	1.5	21
2-Hexanone		2.3	J	0.65	21
4-Methyl-2-pentanone (MIBK)		1.0	J	0.56	21
Acetone		19	J	6.5	21
Benzene		0.40	J	0.24	5.2
Bromochloromethane		1.0	U	0.74	5.2
Bromodichloromethane		0.52	U	0.29	5.2
Bromoform		0.52	U	0.34	5.2
Bromomethane		1.0	U	0.56	5.2
Carbon disulfide		0.63	J	0.46	5.2
Carbon tetrachloride		0.52	U	0.38	5.2
Chlorobenzene		0.52	U	0.34	5.2
Chloroethane		1.0	U	0.89	5.2
Chloroform		0.52	U	0.30	5.2
Chloromethane		0.52	U	0.43	5.2
cis-1,3-Dichloropropene		0.52	U	0.35	5.2
Dibromochloromethane		1.0	U	0.57	5.2
Ethylbenzene		0.52	U	0.27	5.2
Methyl tert-butyl ether		0.52	U	0.45	5.2
Methylene Chloride		8.0		0.70	5.2
Styrene		0.52	U	0.16	5.2
Tetrachloroethene		1.0	U	0.54	5.2
Toluene		2.5	J	0.28	5.2
trans-1,3-Dichloropropene		1.0	U	0.56	5.2
Trichloroethene		0.52	U	0.44	5.2
Vinyl chloride		0.52	U	0.41	5.2
Xylenes, Total		1.6	U	0.70	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		61 - 130
4-Bromofluorobenzene (Surr)	89		85 - 120
Dibromofluoromethane (Surr)	89		59 - 138
Toluene-d8 (Surr)	93		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0056-0001-SO**

Lab Sample ID: 240-18581-7 Date Sampled: 12/07/2012 1304
Client Matrix: Solid % Moisture: 12.3 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82547.D
Dilution:	1.0			Initial Weight/Volume:	5.899 g
Analysis Date:	12/17/2012 0701			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzene		0.48	U	0.22	4.8
Ethylbenzene		0.48	U	0.25	4.8
Methyl tert-butyl ether		0.48	U	0.42	4.8
Toluene		1.9	J	0.26	4.8
Xylenes, Total		1.4	U	0.65	9.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	93		85 - 120
Dibromofluoromethane (Surr)	89		59 - 138
1,2-Dichloroethane-d4 (Surr)	95		61 - 130
Toluene-d8 (Surr)	87		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0057-0001-SO**

Lab Sample ID: 240-18581-8 Date Sampled: 12/07/2012 1325
Client Matrix: Solid % Moisture: 13.0 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82548.D
Dilution:	1.0			Initial Weight/Volume:	5.975 g
Analysis Date:	12/17/2012 0722			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzene		0.48	U	0.22	4.8
Ethylbenzene		0.48	U	0.25	4.8
Methyl tert-butyl ether		0.48	U	0.41	4.8
Toluene		1.9	J	0.26	4.8
Xylenes, Total		1.4	U	0.64	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	96		85 - 120
Dibromofluoromethane (Surr)	96		59 - 138
1,2-Dichloroethane-d4 (Surr)	99		61 - 130
Toluene-d8 (Surr)	92		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0058-0001-SO**

Lab Sample ID: 240-18581-9 Date Sampled: 12/07/2012 1335
Client Matrix: Solid % Moisture: 11.2 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82549.D
Dilution:	1.0			Initial Weight/Volume:	6.462 g
Analysis Date:	12/17/2012 0744			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzene		0.44	U	0.20	4.4
Ethylbenzene		0.44	U	0.23	4.4
Methyl tert-butyl ether		0.44	U	0.37	4.4
Toluene		1.3	J	0.24	4.4
Xylenes, Total		1.3	U	0.58	8.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	91		85 - 120
Dibromofluoromethane (Surr)	90		59 - 138
1,2-Dichloroethane-d4 (Surr)	96		61 - 130
Toluene-d8 (Surr)	89		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0059-0001-SO**

Lab Sample ID: 240-18581-10 Date Sampled: 12/07/2012 1337
Client Matrix: Solid % Moisture: 10.8 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82550.D
Dilution:	1.0			Initial Weight/Volume:	6.802 g
Analysis Date:	12/17/2012 0805			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzene		0.41	U	0.19	4.1
Ethylbenzene		0.41	U	0.21	4.1
Methyl tert-butyl ether		0.41	U	0.35	4.1
Toluene		1.2	J	0.22	4.1
Xylenes, Total		1.2	U	0.55	8.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	94		85 - 120
Dibromofluoromethane (Surr)	90		59 - 138
1,2-Dichloroethane-d4 (Surr)	92		61 - 130
Toluene-d8 (Surr)	88		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0060-0001-SO**

Lab Sample ID: 240-18581-11 Date Sampled: 12/07/2012 1345
Client Matrix: Solid % Moisture: 9.7 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82551.D
Dilution:	1.0			Initial Weight/Volume:	6.289 g
Analysis Date:	12/17/2012 0826			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzene		0.44	U	0.20	4.4
Ethylbenzene		0.44	U	0.23	4.4
Methyl tert-butyl ether		0.44	U	0.38	4.4
Toluene		1.4	J	0.24	4.4
Xylenes, Total		1.3	U	0.59	8.8

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	95		85 - 120
Dibromofluoromethane (Surr)	94		59 - 138
1,2-Dichloroethane-d4 (Surr)	98		61 - 130
Toluene-d8 (Surr)	89		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0061-0001-TB**

Lab Sample ID: 240-18581-12TB Date Sampled: 12/07/2012 0800
Client Matrix: Water Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68395	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ8986.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/12/2012 1919			Final Weight/Volume:	5 mL
Prep Date:	12/12/2012 1919				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1-Trichloroethane	0.25	U	0.22	1.0
1,1,2,2-Tetrachloroethane	0.25	U	0.18	1.0
1,1,2-Trichloroethane	0.50	U	0.27	1.0
1,1-Dichloroethane	0.25	U	0.15	1.0
1,1-Dichloroethene	0.25	U	0.19	1.0
1,2-Dichloroethane	0.25	U	0.22	1.0
1,2-Dichloroethene, Total	0.50	U	0.34	2.0
1,2-Dichloropropane	0.25	U	0.18	1.0
2-Butanone (MEK)	0.57	U	0.57	10
2-Hexanone	0.50	U	0.41	10
4-Methyl-2-pentanone (MIBK)	0.50	U	0.32	10
Acetone	1.1	U	1.1	10
Benzene	0.25	U	0.13	1.0
Bromoform	0.64	U	0.64	1.0
Bromomethane	0.50	U	0.41	1.0
Carbon disulfide	0.25	U	0.13	1.0
Carbon tetrachloride	0.25	U	0.13	1.0
Chlorobenzene	0.25	U	0.15	1.0
Chloromethane	0.50	U	0.30	1.0
cis-1,3-Dichloropropene	0.25	U	0.14	1.0
Dibromochloromethane	0.25	U	0.18	1.0
Bromodichloromethane	0.25	U	0.15	1.0
Ethylbenzene	0.25	U	0.17	1.0
Methyl tert-butyl ether	0.25	U	0.17	1.0
Methylene Chloride	0.35	J B	0.33	1.0
Styrene	0.25	U	0.11	1.0
Tetrachloroethene	0.50	U	0.29	1.0
Toluene	0.25	U	0.13	1.0
trans-1,3-Dichloropropene	0.25	U	0.19	1.0
Trichloroethene	0.25	U	0.17	1.0
Vinyl chloride	0.25	U	0.22	1.0
Xylenes, Total	0.75	U	0.28	2.0
Chloroform	0.25	U	0.16	1.0
Bromochloromethane	0.50	U	0.29	1.0
1,2-Dibromoethane	0.25	U	0.24	1.0
Chloroethane	0.50	U	0.29	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		85 - 120
1,2-Dichloroethane-d4 (Surr)	96		70 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	90		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0070-0001-SO**

Lab Sample ID: 240-18581-13 Date Sampled: 12/07/2012 1420
Client Matrix: Solid % Moisture: 11.0 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82552.D
Dilution:	1.0			Initial Weight/Volume:	6.505 g
Analysis Date:	12/17/2012 0847			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzene		0.43	U	0.20	4.3
Ethylbenzene		0.43	U	0.22	4.3
Methyl tert-butyl ether		0.43	U	0.37	4.3
Toluene		1.1	J	0.23	4.3
Xylenes, Total		1.3	U	0.58	8.6

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	95		85 - 120
Dibromofluoromethane (Surr)	93		59 - 138
1,2-Dichloroethane-d4 (Surr)	98		61 - 130
Toluene-d8 (Surr)	90		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0071-0001-SO**

Lab Sample ID: 240-18581-14 Date Sampled: 12/07/2012 1440
Client Matrix: Solid % Moisture: 12.0 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82553.D
Dilution:	1.0			Initial Weight/Volume:	6.953 g
Analysis Date:	12/17/2012 0909			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzene		0.41	U	0.19	4.1
Ethylbenzene		0.41	U	0.21	4.1
Methyl tert-butyl ether		0.41	U	0.35	4.1
Toluene		1.2	J	0.22	4.1
Xylenes, Total		1.2	U	0.55	8.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	90		85 - 120
Dibromofluoromethane (Surr)	92		59 - 138
1,2-Dichloroethane-d4 (Surr)	97		61 - 130
Toluene-d8 (Surr)	89		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0072-0001-SO**

Lab Sample ID: 240-18581-15 Date Sampled: 12/07/2012 1455
Client Matrix: Solid % Moisture: 13.7 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82554.D
Dilution:	1.0			Initial Weight/Volume:	6.572 g
Analysis Date:	12/17/2012 0930			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzene		0.44	U	0.20	4.4
Ethylbenzene		0.44	U	0.23	4.4
Methyl tert-butyl ether		0.44	U	0.38	4.4
Toluene		1.0	J	0.24	4.4
Xylenes, Total		1.3	U	0.59	8.8

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	90		85 - 120
Dibromofluoromethane (Surr)	88		59 - 138
1,2-Dichloroethane-d4 (Surr)	96		61 - 130
Toluene-d8 (Surr)	87		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0073-0001-SO**

Lab Sample ID: 240-18581-16 Date Sampled: 12/07/2012 1505
Client Matrix: Solid % Moisture: 12.7 Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-68443	Lab File ID:	UX82555.D
Dilution:	1.0			Initial Weight/Volume:	6.343 g
Analysis Date:	12/17/2012 0951			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzene		0.45	U	0.21	4.5
Ethylbenzene		0.45	U	0.23	4.5
Methyl tert-butyl ether		0.45	U	0.39	4.5
Toluene		1.0	J	0.24	4.5
Xylenes, Total		1.4	U	0.61	9.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	92		85 - 120
Dibromofluoromethane (Surr)	91		59 - 138
1,2-Dichloroethane-d4 (Surr)	97		61 - 130
Toluene-d8 (Surr)	91		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0074-0001-TB**

Lab Sample ID: 240-18581-24TB Date Sampled: 12/07/2012 0800
Client Matrix: Water Date Received: 12/08/2012 1120

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-68395	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ8987.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/12/2012 1941			Final Weight/Volume:	5 mL
Prep Date:	12/12/2012 1941				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1-Trichloroethane	0.25	U	0.22	1.0
1,1,2,2-Tetrachloroethane	0.25	U	0.18	1.0
1,1,2-Trichloroethane	0.50	U	0.27	1.0
1,1-Dichloroethane	0.25	U	0.15	1.0
1,1-Dichloroethene	0.25	U	0.19	1.0
1,2-Dichloroethane	0.25	U	0.22	1.0
1,2-Dichloroethene, Total	0.50	U	0.34	2.0
1,2-Dichloropropane	0.25	U	0.18	1.0
2-Butanone (MEK)	0.57	U	0.57	10
2-Hexanone	0.50	U	0.41	10
4-Methyl-2-pentanone (MIBK)	0.50	U	0.32	10
Acetone	1.1	U	1.1	10
Benzene	0.25	U	0.13	1.0
Bromoform	0.64	U	0.64	1.0
Bromomethane	0.50	U	0.41	1.0
Carbon disulfide	0.25	U	0.13	1.0
Carbon tetrachloride	0.25	U	0.13	1.0
Chlorobenzene	0.25	U	0.15	1.0
Chloromethane	0.50	U	0.30	1.0
cis-1,3-Dichloropropene	0.25	U	0.14	1.0
Dibromochloromethane	0.25	U	0.18	1.0
Bromodichloromethane	0.25	U	0.15	1.0
Ethylbenzene	0.25	U	0.17	1.0
Methyl tert-butyl ether	0.25	U	0.17	1.0
Methylene Chloride	0.50	U	0.33	1.0
Styrene	0.25	U	0.11	1.0
Tetrachloroethene	0.50	U	0.29	1.0
Toluene	0.25	U	0.13	1.0
trans-1,3-Dichloropropene	0.25	U	0.19	1.0
Trichloroethene	0.25	U	0.17	1.0
Vinyl chloride	0.25	U	0.22	1.0
Xylenes, Total	0.75	U	0.28	2.0
Chloroform	0.25	U	0.16	1.0
Bromochloromethane	0.50	U	0.29	1.0
1,2-Dibromoethane	0.25	U	0.24	1.0
Chloroethane	0.50	U	0.29	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	97		85 - 120
1,2-Dichloroethane-d4 (Surr)	95		70 - 120
4-Bromofluorobenzene (Surr)	104		75 - 120
Dibromofluoromethane (Surr)	92		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229020.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.28 g
Analysis Date:	12/29/2012 1936			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		380	D	33	66
Acenaphthylene		79	D	33	66
Anthracene		33	U	33	66
Benzo[a]anthracene		140	D	33	66
Benzo[a]pyrene		41	J D	33	66
Benzo[b]fluoranthene		34	J D M	33	66
Benzo[g,h,i]perylene		57	J D M	33	66
Benzoic acid		3300	U	3300	6500
Benzo[k]fluoranthene		33	U	33	66
Benzyl alcohol		270	U	210	3300
Bis(2-chloroethoxy)methane		270	U	220	990
Bis(2-chloroethyl)ether		33	U	20	990
bis (2-chloroisopropyl) ether		270	U	94	990
Bis(2-ethylhexyl) phthalate		270	U	190	500
4-Bromophenyl phenyl ether		270	U	130	500
Butyl benzyl phthalate		270	U	99	500
Carbazole		270	U	270	500
4-Chloroaniline		270	U J	170	1500
4-Chloro-3-methylphenol		270	U	210	1500
2-Chloronaphthalene		33	U	33	500
2-Chlorophenol		270	U	270	500
4-Chlorophenyl phenyl ether		270	U	130	500
Chrysene		190	D	11	66
Dibenz(a,h)anthracene		33	U J	33	66
Dibenzofuran		250	J D	33	500
1,2-Dichlorobenzene		270	U J	96	500
1,3-Dichlorobenzene		270	U J	110	500
1,4-Dichlorobenzene		270	U	200	500
3,3'-Dichlorobenzidine		790	U J	180	990
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	500
2,4-Dimethylphenol		790	U	200	1500
Dimethyl phthalate		270	U	170	500
Di-n-butyl phthalate		270	U	150	500
4,6-Dinitro-2-methylphenol		790	U	790	1500
2,4-Dinitrophenol		790	U	790	3300
2,4-Dinitrotoluene		270	U	270	2000
2,6-Dinitrotoluene		270	U	210	2000
Di-n-octyl phthalate		270	U	270	500
Fluoranthene		170	D	33	66
Fluorene		650	J D	33	66
Hexachlorobenzene		33	U	21	66
Hexachlorobutadiene		270	U	270	500
Hexachlorocyclopentadiene		270	U	270	3300
Hexachloroethane		270	U	89	500

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229020.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.28 g
Analysis Date:	12/29/2012 1936			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		33	U	33	66
Isophorone		270	U	130	500
2-Methylnaphthalene		680	J D	33	66
2-Methylphenol		790	U	790	2000
3 & 4 Methylphenol		790	U	200	4000
Naphthalene		50	J D	33	66
2-Nitroaniline		270	U	90	2000
3-Nitroaniline		790	U	160	2000
4-Nitroaniline		270	U	260	2000
Nitrobenzene		33	U	22	990
2-Nitrophenol		270	U	270	500
4-Nitrophenol		790	U	790	3300
N-Nitrosodi-n-propylamine		270	U	270	500
N-Nitrosodiphenylamine		270	U J	210	500
Pentachlorophenol		790	U	790	1500
Phenanthrene		1000	D	33	66
Phenol		270	U	270	500
Pyrene		1000	D	33	66
1,2,4-Trichlorobenzene		270	U	270	500
2,4,5-Trichlorophenol		270	U	250	1500
2,4,6-Trichlorophenol		790	U	790	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	54		45 - 105
2-Fluorophenol (Surr)	68		35 - 105
Nitrobenzene-d5 (Surr)	52		35 - 100
Phenol-d5 (Surr)	66		40 - 100
Terphenyl-d14 (Surr)	64		30 - 125
2,4,6-Tribromophenol (Surr)	60		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-043M-0001-SO**

Lab Sample ID: 240-18581-2 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229014.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.38 g
Analysis Date:	12/29/2012 1715			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		260	D	33	66
Acenaphthylene		61	J D	33	66
Anthracene		33	U	33	66
Benzo[a]anthracene		150	D	33	66
Benzo[a]pyrene		51	J D	33	66
Benzo[b]fluoranthene		33	J D	33	66
Benzo[g,h,i]perylene		33	U	33	66
Benzoic acid		3300	U	3300	6500
Benzo[k]fluoranthene		33	U	33	66
Benzyl alcohol		270	U	210	3300
Bis(2-chloroethoxy)methane		270	U	220	990
Bis(2-chloroethyl)ether		33	U	20	990
bis (2-chloroisopropyl) ether		270	U	94	990
Bis(2-ethylhexyl) phthalate		270	U	190	490
4-Bromophenyl phenyl ether		270	U	130	490
Butyl benzyl phthalate		270	U	99	490
Carbazole		270	U	270	490
4-Chloroaniline		270	U	170	1500
4-Chloro-3-methylphenol		270	U	210	1500
2-Chloronaphthalene		33	U	33	490
2-Chlorophenol		270	U	270	490
4-Chlorophenyl phenyl ether		270	U	130	490
Chrysene		98	D	11	66
Dibenz(a,h)anthracene		33	U	33	66
Dibenzofuran		180	J D	33	490
1,2-Dichlorobenzene		270	U	96	490
1,3-Dichlorobenzene		270	U	110	490
1,4-Dichlorobenzene		270	U	200	490
3,3'-Dichlorobenzidine		790	U	180	990
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	490
2,4-Dimethylphenol		790	U	200	1500
Dimethyl phthalate		270	U	170	490
Di-n-butyl phthalate		270	U	150	490
4,6-Dinitro-2-methylphenol		790	U	790	1500
2,4-Dinitrophenol		790	U	790	3300
2,4-Dinitrotoluene		270	U	270	2000
2,6-Dinitrotoluene		270	U	210	2000
Di-n-octyl phthalate		270	U	270	490
Fluoranthene		120	D	33	66
Fluorene		500	D	33	66
Hexachlorobenzene		33	U	21	66
Hexachlorobutadiene		270	U	270	490
Hexachlorocyclopentadiene		270	U	270	3300
Hexachloroethane		270	U	89	490

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-043M-0001-SO**

Lab Sample ID: 240-18581-2 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229014.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.38 g
Analysis Date:	12/29/2012 1715			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		33	U	33	66
Isophorone		270	U	130	490
2-Methylnaphthalene		660	D	33	66
2-Methylphenol		790	U	790	2000
3 & 4 Methylphenol		790	U	200	3900
Naphthalene		51	J D	33	66
2-Nitroaniline		270	U	90	2000
3-Nitroaniline		790	U	160	2000
4-Nitroaniline		270	U	260	2000
Nitrobenzene		33	U	22	990
2-Nitrophenol		270	U	270	490
4-Nitrophenol		790	U	790	3300
N-Nitrosodi-n-propylamine		270	U	270	490
N-Nitrosodiphenylamine		270	U	210	490
Pentachlorophenol		790	U	790	1500
Phenanthrene		810	D	33	66
Phenol		270	U	270	490
Pyrene		730	D	33	66
1,2,4-Trichlorobenzene		270	U	270	490
2,4,5-Trichlorophenol		270	U	250	1500
2,4,6-Trichlorophenol		790	U	790	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	47		45 - 105
2-Fluorophenol (Surr)	62		35 - 105
Nitrobenzene-d5 (Surr)	39		35 - 100
Phenol-d5 (Surr)	61		40 - 100
Terphenyl-d14 (Surr)	54		30 - 125
2,4,6-Tribromophenol (Surr)	58		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229015.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.66 g
Analysis Date:	12/29/2012 1739			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		33	U	33	67
Acenaphthylene		33	U	33	67
Anthracene		33	U	33	67
Benzo[a]anthracene		33	U	33	67
Benzo[a]pyrene		33	U	33	67
Benzo[b]fluoranthene		33	U	33	67
Benzo[g,h,i]perylene		33	U J	33	67
Benzoic acid		3400	U	3400	6700
Benzo[k]fluoranthene		33	U	33	67
Benzyl alcohol		270	U	210	3300
Bis(2-chloroethoxy)methane		270	U J	220	1000
Bis(2-chloroethyl)ether		33	U	20	1000
bis (2-chloroisopropyl) ether		270	U	96	1000
Bis(2-ethylhexyl) phthalate		270	U	190	510
4-Bromophenyl phenyl ether		270	U	130	510
Butyl benzyl phthalate		270	U	100	510
Carbazole		270	U	270	510
4-Chloroaniline		270	U J	170	1500
4-Chloro-3-methylphenol		270	U	210	1500
2-Chloronaphthalene		33	U	33	510
2-Chlorophenol		270	U	270	510
4-Chlorophenyl phenyl ether		270	U	130	510
Chrysene		33	U	11	67
Dibenz(a,h)anthracene		33	U J	33	67
Dibenzofuran		33	U	33	510
1,2-Dichlorobenzene		270	U J	98	510
1,3-Dichlorobenzene		270	U	110	510
1,4-Dichlorobenzene		270	U	200	510
3,3'-Dichlorobenzidine		810	U J	180	1000
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	510
2,4-Dimethylphenol		810	U	200	1500
Dimethyl phthalate		270	U	170	510
Di-n-butyl phthalate		270	U	150	510
4,6-Dinitro-2-methylphenol		810	U	810	1500
2,4-Dinitrophenol		810	U	810	3300
2,4-Dinitrotoluene		270	U	270	2000
2,6-Dinitrotoluene		270	U	210	2000
Di-n-octyl phthalate		270	U	270	510
Fluoranthene		33	U	33	67
Fluorene		33	U	33	67
Hexachlorobenzene		33	U	21	67
Hexachlorobutadiene		270	U	270	510
Hexachlorocyclopentadiene		270	U	270	3300
Hexachloroethane		270	U	91	510

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229015.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.66 g
Analysis Date:	12/29/2012 1739			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		33	U J	33	67
Isophorone		270	U	130	510
2-Methylnaphthalene		33	U	33	67
2-Methylphenol		810	U	810	2000
3 & 4 Methylphenol		810	U	200	4000
Naphthalene		33	U	33	67
2-Nitroaniline		270	U	92	2000
3-Nitroaniline		810	U	160	2000
4-Nitroaniline		270	U	260	2000
Nitrobenzene		33	U	22	1000
2-Nitrophenol		270	U	270	510
4-Nitrophenol		810	U	810	3300
N-Nitrosodi-n-propylamine		270	U	270	510
N-Nitrosodiphenylamine		270	U	210	510
Pentachlorophenol		810	U	810	1500
Phenanthrene		33	U	33	67
Phenol		270	U	270	510
Pyrene		33	U	33	67
1,2,4-Trichlorobenzene		270	U J	270	510
2,4,5-Trichlorophenol		270	U	250	1500
2,4,6-Trichlorophenol		810	U	810	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	46		45 - 105
2-Fluorophenol (Surr)	58		35 - 105
Nitrobenzene-d5 (Surr)	42		35 - 100
Phenol-d5 (Surr)	55		40 - 100
Terphenyl-d14 (Surr)	54		30 - 125
2,4,6-Tribromophenol (Surr)	55		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-045M-0001-SO**

Lab Sample ID: 240-18581-4 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229019.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.93 g
Analysis Date:	12/29/2012 1913			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		33	U	33	67
Acenaphthylene		33	U	33	67
Anthracene		33	U	33	67
Benzo[a]anthracene		33	U	33	67
Benzo[a]pyrene		33	U	33	67
Benzo[b]fluoranthene		33	U	33	67
Benzo[g,h,i]perylene		33	U	33	67
Benzoic acid		3300	U	3300	6600
Benzo[k]fluoranthene		33	U	33	67
Benzyl alcohol		270	U	210	3300
Bis(2-chloroethoxy)methane		270	U	220	1000
Bis(2-chloroethyl)ether		33	U	20	1000
bis (2-chloroisopropyl) ether		270	U	95	1000
Bis(2-ethylhexyl) phthalate		270	U	190	500
4-Bromophenyl phenyl ether		270	U	130	500
Butyl benzyl phthalate		270	U	100	500
Carbazole		270	U	270	500
4-Chloroaniline		270	U	170	1500
4-Chloro-3-methylphenol		270	U	210	1500
2-Chloronaphthalene		33	U	33	500
2-Chlorophenol		270	U	270	500
4-Chlorophenyl phenyl ether		270	U	130	500
Chrysene		33	U	11	67
Dibenz(a,h)anthracene		33	U	33	67
Dibenzofuran		33	U	33	500
1,2-Dichlorobenzene		270	U	97	500
1,3-Dichlorobenzene		270	U	110	500
1,4-Dichlorobenzene		270	U	200	500
3,3'-Dichlorobenzidine		800	U	180	1000
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	500
2,4-Dimethylphenol		800	U	200	1500
Dimethyl phthalate		270	U	170	500
Di-n-butyl phthalate		270	U	150	500
4,6-Dinitro-2-methylphenol		800	U	800	1500
2,4-Dinitrophenol		800	U	800	3300
2,4-Dinitrotoluene		270	U	270	2000
2,6-Dinitrotoluene		270	U	210	2000
Di-n-octyl phthalate		270	U	270	500
Fluoranthene		33	U	33	67
Fluorene		33	U	33	67
Hexachlorobenzene		33	U	21	67
Hexachlorobutadiene		270	U	270	500
Hexachlorocyclopentadiene		270	U	270	3300
Hexachloroethane		270	U	90	500

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-045M-0001-SO**

Lab Sample ID: 240-18581-4 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229019.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.93 g
Analysis Date:	12/29/2012 1913			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		33	U	33	67
Isophorone		270	U	130	500
2-Methylnaphthalene		81	D	33	67
2-Methylphenol		800	U	800	2000
3 & 4 Methylphenol		800	U	200	4000
Naphthalene		69	D	33	67
2-Nitroaniline		270	U	91	2000
3-Nitroaniline		800	U	160	2000
4-Nitroaniline		270	U	260	2000
Nitrobenzene		33	U	22	1000
2-Nitrophenol		270	U	270	500
4-Nitrophenol		800	U	800	3300
N-Nitrosodi-n-propylamine		270	U	270	500
N-Nitrosodiphenylamine		270	U	210	500
Pentachlorophenol		800	U	800	1500
Phenanthrene		45	J D	33	67
Phenol		270	U	270	500
Pyrene		33	U	33	67
1,2,4-Trichlorobenzene		270	U	270	500
2,4,5-Trichlorophenol		270	U	250	1500
2,4,6-Trichlorophenol		800	U	800	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	50		45 - 105
2-Fluorophenol (Surr)	65		35 - 105
Nitrobenzene-d5 (Surr)	45		35 - 100
Phenol-d5 (Surr)	59		40 - 100
Terphenyl-d14 (Surr)	62		30 - 125
2,4,6-Tribromophenol (Surr)	57		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-046M-0001-SO**

Lab Sample ID: 240-18581-5 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229023.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.00 g
Analysis Date:	12/29/2012 2046			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		33	U	33	67
Acenaphthylene		33	U	33	67
Anthracene		33	U	33	67
Benzo[a]anthracene		33	U	33	67
Benzo[a]pyrene		33	U	33	67
Benzo[b]fluoranthene		33	U	33	67
Benzo[g,h,i]perylene		33	U	33	67
Benzoic acid		3300	U	3300	6600
Benzo[k]fluoranthene		33	U	33	67
Benzyl alcohol		270	U	210	3300
Bis(2-chloroethoxy)methane		270	U	220	1000
Bis(2-chloroethyl)ether		33	U	20	1000
bis (2-chloroisopropyl) ether		270	U	95	1000
Bis(2-ethylhexyl) phthalate		270	U	190	500
4-Bromophenyl phenyl ether		270	U	130	500
Butyl benzyl phthalate		270	U	100	500
Carbazole		270	U	270	500
4-Chloroaniline		270	U	170	1500
4-Chloro-3-methylphenol		270	U	210	1500
2-Chloronaphthalene		33	U	33	500
2-Chlorophenol		270	U	270	500
4-Chlorophenyl phenyl ether		270	U	130	500
Chrysene		33	U	11	67
Dibenz(a,h)anthracene		33	U	33	67
Dibenzofuran		33	U	33	500
1,2-Dichlorobenzene		270	U	97	500
1,3-Dichlorobenzene		270	U	110	500
1,4-Dichlorobenzene		270	U	200	500
3,3'-Dichlorobenzidine		800	U	180	1000
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	500
2,4-Dimethylphenol		800	U	200	1500
Dimethyl phthalate		270	U	170	500
Di-n-butyl phthalate		270	U	150	500
4,6-Dinitro-2-methylphenol		800	U	800	1500
2,4-Dinitrophenol		800	U	800	3300
2,4-Dinitrotoluene		270	U	270	2000
2,6-Dinitrotoluene		270	U	210	2000
Di-n-octyl phthalate		270	U	270	500
Fluoranthene		33	U	33	67
Fluorene		33	U	33	67
Hexachlorobenzene		33	U	21	67
Hexachlorobutadiene		270	U	270	500
Hexachlorocyclopentadiene		270	U	270	3300
Hexachloroethane		270	U	90	500

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-046M-0001-SO**

Lab Sample ID: 240-18581-5 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229023.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.00 g
Analysis Date:	12/29/2012 2046			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		33	U	33	67
Isophorone		270	U	130	500
2-Methylnaphthalene		33	U	33	67
2-Methylphenol		800	U	800	2000
3 & 4 Methylphenol		800	U	200	4000
Naphthalene		33	U	33	67
2-Nitroaniline		270	U	91	2000
3-Nitroaniline		800	U	160	2000
4-Nitroaniline		270	U	260	2000
Nitrobenzene		33	U	22	1000
2-Nitrophenol		270	U	270	500
4-Nitrophenol		800	U	800	3300
N-Nitrosodi-n-propylamine		270	U	270	500
N-Nitrosodiphenylamine		270	U	210	500
Pentachlorophenol		800	U	800	1500
Phenanthrene		33	U	33	67
Phenol		270	U	270	500
Pyrene		33	U	33	67
1,2,4-Trichlorobenzene		270	U	270	500
2,4,5-Trichlorophenol		270	U	250	1500
2,4,6-Trichlorophenol		800	U	800	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	46		45 - 105
2-Fluorophenol (Surr)	66		35 - 105
Nitrobenzene-d5 (Surr)	45		35 - 100
Phenol-d5 (Surr)	59		40 - 100
Terphenyl-d14 (Surr)	63		30 - 125
2,4,6-Tribromophenol (Surr)	54		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-047M-0001-SO**

Lab Sample ID: 240-18581-6 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229018.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.68 g
Analysis Date:	12/29/2012 1849			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		33	U	33	67
Acenaphthylene		33	U	33	67
Anthracene		33	U	33	67
Benzo[a]anthracene		33	U	33	67
Benzo[a]pyrene		33	U	33	67
Benzo[b]fluoranthene		33	U	33	67
Benzo[g,h,i]perylene		33	U	33	67
Benzoic acid		3400	U	3400	6700
Benzo[k]fluoranthene		33	U	33	67
Benzyl alcohol		270	U	210	3300
Bis(2-chloroethoxy)methane		270	U	220	1000
Bis(2-chloroethyl)ether		33	U	20	1000
bis (2-chloroisopropyl) ether		270	U	96	1000
Bis(2-ethylhexyl) phthalate		270	U	190	510
4-Bromophenyl phenyl ether		270	U	130	510
Butyl benzyl phthalate		270	U	100	510
Carbazole		270	U	270	510
4-Chloroaniline		270	U	170	1500
4-Chloro-3-methylphenol		270	U	210	1500
2-Chloronaphthalene		33	U	33	510
2-Chlorophenol		270	U	270	510
4-Chlorophenyl phenyl ether		270	U	130	510
Chrysene		33	U	11	67
Dibenz(a,h)anthracene		33	U	33	67
Dibenzofuran		33	U	33	510
1,2-Dichlorobenzene		270	U	98	510
1,3-Dichlorobenzene		270	U	110	510
1,4-Dichlorobenzene		270	U	200	510
3,3'-Dichlorobenzidine		810	U	180	1000
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	510
2,4-Dimethylphenol		810	U	200	1500
Dimethyl phthalate		270	U	170	510
Di-n-butyl phthalate		270	U	150	510
4,6-Dinitro-2-methylphenol		810	U	810	1500
2,4-Dinitrophenol		810	U	810	3300
2,4-Dinitrotoluene		270	U	270	2000
2,6-Dinitrotoluene		270	U	210	2000
Di-n-octyl phthalate		270	U	270	510
Fluoranthene		33	U	33	67
Fluorene		33	U	33	67
Hexachlorobenzene		33	U	21	67
Hexachlorobutadiene		270	U	270	510
Hexachlorocyclopentadiene		270	U	270	3300
Hexachloroethane		270	U	91	510

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-047M-0001-SO**

Lab Sample ID: 240-18581-6 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229018.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.68 g
Analysis Date:	12/29/2012 1849			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		33	U	33	67
Isophorone		270	U	130	510
2-Methylnaphthalene		34	J D	33	67
2-Methylphenol		810	U	810	2000
3 & 4 Methylphenol		810	U	200	4000
Naphthalene		33	U	33	67
2-Nitroaniline		270	U	92	2000
3-Nitroaniline		810	U	160	2000
4-Nitroaniline		270	U	260	2000
Nitrobenzene		33	U	22	1000
2-Nitrophenol		270	U	270	510
4-Nitrophenol		810	U	810	3300
N-Nitrosodi-n-propylamine		270	U	270	510
N-Nitrosodiphenylamine		270	U	210	510
Pentachlorophenol		810	U	810	1500
Phenanthrene		33	U	33	67
Phenol		270	U	270	510
Pyrene		33	U	33	67
1,2,4-Trichlorobenzene		270	U	270	510
2,4,5-Trichlorophenol		270	U	250	1500
2,4,6-Trichlorophenol		810	U	810	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	48		45 - 105
2-Fluorophenol (Surr)	67		35 - 105
Nitrobenzene-d5 (Surr)	47		35 - 100
Phenol-d5 (Surr)	61		40 - 100
Terphenyl-d14 (Surr)	59		30 - 125
2,4,6-Tribromophenol (Surr)	59		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0056-0001-SO**

Lab Sample ID: 240-18581-7 Date Sampled: 12/07/2012 1304
Client Matrix: Solid % Moisture: 12.3 Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229009.D
Dilution:	1.0			Initial Weight/Volume:	29.77 g
Analysis Date:	12/29/2012 1519			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.8	U	3.8	7.7
Acenaphthylene		3.8	U	3.8	7.7
Anthracene		3.8	U	3.8	7.7
Benzo[a]anthracene		3.8	U	3.8	7.7
Benzo[a]pyrene		3.8	U	3.8	7.7
Benzo[b]fluoranthene		3.8	U	3.8	7.7
Benzo[g,h,i]perylene		3.8	U	3.8	7.7
Benzo[k]fluoranthene		3.8	U	3.8	7.7
Chrysene		3.8	U	1.3	7.7
Dibenz(a,h)anthracene		3.8	U	3.8	7.7
Fluoranthene		3.8	U	3.8	7.7
Fluorene		3.8	U	3.8	7.7
Indeno[1,2,3-cd]pyrene		3.8	U	3.8	7.7
Naphthalene		3.8	U	3.8	7.7
Phenanthrene		3.8	U	3.8	7.7
Pyrene		3.8	U	3.8	7.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	56		45 - 105
2-Fluorophenol (Surr)	74		35 - 105
Nitrobenzene-d5 (Surr)	57		35 - 100
Phenol-d5 (Surr)	73		40 - 100
Terphenyl-d14 (Surr)	73		30 - 125
2,4,6-Tribromophenol (Surr)	56		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0057-0001-SO**

Lab Sample ID: 240-18581-8 Date Sampled: 12/07/2012 1325
Client Matrix: Solid % Moisture: 13.0 Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229011.D
Dilution:	1.0			Initial Weight/Volume:	29.97 g
Analysis Date:	12/29/2012 1605			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.8	U	3.8	7.7
Acenaphthylene		3.8	U	3.8	7.7
Anthracene		3.8	U	3.8	7.7
Benzo[a]anthracene		3.8	U	3.8	7.7
Benzo[a]pyrene		3.8	U	3.8	7.7
Benzo[b]fluoranthene		3.8	U	3.8	7.7
Benzo[g,h,i]perylene		3.8	U	3.8	7.7
Benzo[k]fluoranthene		3.8	U	3.8	7.7
Chrysene		3.8	U	1.3	7.7
Dibenz(a,h)anthracene		3.8	U	3.8	7.7
Fluoranthene		3.8	U	3.8	7.7
Fluorene		3.8	U	3.8	7.7
Indeno[1,2,3-cd]pyrene		3.8	U	3.8	7.7
Naphthalene		3.8	U	3.8	7.7
Phenanthrene		3.8	U	3.8	7.7
Pyrene		3.8	U	3.8	7.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	56		45 - 105
2-Fluorophenol (Surr)	67		35 - 105
Nitrobenzene-d5 (Surr)	55		35 - 100
Phenol-d5 (Surr)	69		40 - 100
Terphenyl-d14 (Surr)	73		30 - 125
2,4,6-Tribromophenol (Surr)	59		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0058-0001-SO**

Lab Sample ID: 240-18581-9 Date Sampled: 12/07/2012 1335
Client Matrix: Solid % Moisture: 11.2 Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229010.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	12/29/2012 1542			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.7	U	3.7	7.5
Acenaphthylene		3.7	U	3.7	7.5
Anthracene		3.7	U	3.7	7.5
Benzo[a]anthracene		3.7	U	3.7	7.5
Benzo[a]pyrene		3.7	U	3.7	7.5
Benzo[b]fluoranthene		3.7	U	3.7	7.5
Benzo[g,h,i]perylene		3.7	U	3.7	7.5
Benzo[k]fluoranthene		3.7	U	3.7	7.5
Chrysene		3.7	U	1.2	7.5
Dibenz(a,h)anthracene		3.7	U	3.7	7.5
Fluoranthene		3.7	U	3.7	7.5
Fluorene		3.7	U	3.7	7.5
Indeno[1,2,3-cd]pyrene		3.7	U	3.7	7.5
Naphthalene		3.7	U	3.7	7.5
Phenanthrene		3.7	U	3.7	7.5
Pyrene		3.7	U	3.7	7.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	49		45 - 105
2-Fluorophenol (Surr)	65		35 - 105
Nitrobenzene-d5 (Surr)	51		35 - 100
Phenol-d5 (Surr)	64		40 - 100
Terphenyl-d14 (Surr)	68		30 - 125
2,4,6-Tribromophenol (Surr)	54		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0059-0001-SO**

Lab Sample ID: 240-18581-10 Date Sampled: 12/07/2012 1337
Client Matrix: Solid % Moisture: 10.8 Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229008.D
Dilution:	1.0			Initial Weight/Volume:	30.31 g
Analysis Date:	12/29/2012 1456			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.7	U	3.7	7.4
Acenaphthylene		3.7	U	3.7	7.4
Anthracene		3.7	U	3.7	7.4
Benzo[a]anthracene		3.7	U	3.7	7.4
Benzo[a]pyrene		3.7	U	3.7	7.4
Benzo[b]fluoranthene		3.7	U	3.7	7.4
Benzo[g,h,i]perylene		3.7	U	3.7	7.4
Benzo[k]fluoranthene		3.7	U	3.7	7.4
Chrysene		3.7	U	1.2	7.4
Dibenz(a,h)anthracene		3.7	U	3.7	7.4
Fluoranthene		3.7	U	3.7	7.4
Fluorene		3.7	U	3.7	7.4
Indeno[1,2,3-cd]pyrene		3.7	U	3.7	7.4
Naphthalene		3.7	U	3.7	7.4
Phenanthrene		3.7	U	3.7	7.4
Pyrene		3.7	U	3.7	7.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	54		45 - 105
2-Fluorophenol (Surr)	70		35 - 105
Nitrobenzene-d5 (Surr)	54		35 - 100
Phenol-d5 (Surr)	69		40 - 100
Terphenyl-d14 (Surr)	67		30 - 125
2,4,6-Tribromophenol (Surr)	53		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0060-0001-SO**

Lab Sample ID: 240-18581-11 Date Sampled: 12/07/2012 1345
Client Matrix: Solid % Moisture: 9.7 Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229007.D
Dilution:	1.0			Initial Weight/Volume:	29.64 g
Analysis Date:	12/29/2012 1432			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.7	U	3.7	7.5
Acenaphthylene		3.7	U	3.7	7.5
Anthracene		3.7	U	3.7	7.5
Benzo[a]anthracene		3.7	U	3.7	7.5
Benzo[a]pyrene		3.7	U	3.7	7.5
Benzo[b]fluoranthene		3.7	U	3.7	7.5
Benzo[g,h,i]perylene		3.7	U	3.7	7.5
Benzo[k]fluoranthene		3.7	U	3.7	7.5
Chrysene		3.7	U	1.2	7.5
Dibenz(a,h)anthracene		3.7	U	3.7	7.5
Fluoranthene		3.7	U	3.7	7.5
Fluorene		3.7	U	3.7	7.5
Indeno[1,2,3-cd]pyrene		3.7	U	3.7	7.5
Naphthalene		3.7	U	3.7	7.5
Phenanthrene		3.7	U	3.7	7.5
Pyrene		3.7	U	3.7	7.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	59		45 - 105
2-Fluorophenol (Surr)	75		35 - 105
Nitrobenzene-d5 (Surr)	59		35 - 100
Phenol-d5 (Surr)	74		40 - 100
Terphenyl-d14 (Surr)	76		30 - 125
2,4,6-Tribromophenol (Surr)	59		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0070-0001-SO**

Lab Sample ID: 240-18581-13 Date Sampled: 12/07/2012 1420
Client Matrix: Solid % Moisture: 11.0 Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21229006.D
Dilution:	1.0			Initial Weight/Volume:	29.52 g
Analysis Date:	12/29/2012 1409			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.8	U	3.8	7.6
Acenaphthylene		3.8	U	3.8	7.6
Anthracene		3.8	U	3.8	7.6
Benzo[a]anthracene		3.8	U	3.8	7.6
Benzo[a]pyrene		3.8	U	3.8	7.6
Benzo[b]fluoranthene		3.8	U	3.8	7.6
Benzo[g,h,i]perylene		3.8	U	3.8	7.6
Benzo[k]fluoranthene		3.8	U	3.8	7.6
Chrysene		3.8	U	1.3	7.6
Dibenz(a,h)anthracene		3.8	U	3.8	7.6
Fluoranthene		3.8	U	3.8	7.6
Fluorene		3.8	U	3.8	7.6
Indeno[1,2,3-cd]pyrene		3.8	U	3.8	7.6
Naphthalene		3.8	U	3.8	7.6
Phenanthrene		18		3.8	7.6
Pyrene		3.8	U	3.8	7.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	56		45 - 105
2-Fluorophenol (Surr)	72		35 - 105
Nitrobenzene-d5 (Surr)	56		35 - 100
Phenol-d5 (Surr)	70		40 - 100
Terphenyl-d14 (Surr)	68		30 - 125
2,4,6-Tribromophenol (Surr)	61		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0071-0001-SO**

Lab Sample ID: 240-18581-14 Date Sampled: 12/07/2012 1440
Client Matrix: Solid % Moisture: 12.0 Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21228017.D
Dilution:	1.0			Initial Weight/Volume:	29.91 g
Analysis Date:	12/28/2012 1650			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.8	U	3.8	7.6
Acenaphthylene		3.8	U	3.8	7.6
Anthracene		3.8	U	3.8	7.6
Benzo[a]anthracene		3.8	U	3.8	7.6
Benzo[a]pyrene		3.8	U	3.8	7.6
Benzo[b]fluoranthene		3.8	U	3.8	7.6
Benzo[g,h,i]perylene		3.8	U	3.8	7.6
Benzo[k]fluoranthene		3.8	U	3.8	7.6
Chrysene		3.8	U	1.3	7.6
Dibenz(a,h)anthracene		3.8	U	3.8	7.6
Fluoranthene		3.8	U	3.8	7.6
Fluorene		3.8	U	3.8	7.6
Indeno[1,2,3-cd]pyrene		3.8	U	3.8	7.6
Naphthalene		3.8	U	3.8	7.6
Phenanthrene		3.8	U	3.8	7.6
Pyrene		3.8	U	3.8	7.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	50		45 - 105
2-Fluorophenol (Surr)	66		35 - 105
Nitrobenzene-d5 (Surr)	53		35 - 100
Phenol-d5 (Surr)	67		40 - 100
Terphenyl-d14 (Surr)	66		30 - 125
2,4,6-Tribromophenol (Surr)	52		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0072-0001-SO**

Lab Sample ID: 240-18581-15 Date Sampled: 12/07/2012 1455
Client Matrix: Solid % Moisture: 13.7 Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21228016.D
Dilution:	1.0			Initial Weight/Volume:	29.72 g
Analysis Date:	12/28/2012 1627			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.9	U	3.9	7.8
Acenaphthylene		3.9	U	3.9	7.8
Anthracene		3.9	U	3.9	7.8
Benzo[a]anthracene		3.9	U	3.9	7.8
Benzo[a]pyrene		3.9	U	3.9	7.8
Benzo[b]fluoranthene		3.9	U	3.9	7.8
Benzo[g,h,i]perylene		3.9	U	3.9	7.8
Benzo[k]fluoranthene		3.9	U	3.9	7.8
Chrysene		3.9	U	1.3	7.8
Dibenz(a,h)anthracene		3.9	U	3.9	7.8
Fluoranthene		3.9	U	3.9	7.8
Fluorene		3.9	U	3.9	7.8
Indeno[1,2,3-cd]pyrene		3.9	U	3.9	7.8
Naphthalene		3.9	U	3.9	7.8
Phenanthrene		3.9	U	3.9	7.8
Pyrene		3.9	U	3.9	7.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	52		45 - 105
2-Fluorophenol (Surr)	68		35 - 105
Nitrobenzene-d5 (Surr)	54		35 - 100
Phenol-d5 (Surr)	69		40 - 100
Terphenyl-d14 (Surr)	65		30 - 125
2,4,6-Tribromophenol (Surr)	55		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0073-0001-SO**

Lab Sample ID: 240-18581-16 Date Sampled: 12/07/2012 1505
Client Matrix: Solid % Moisture: 12.7 Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21228015.D
Dilution:	1.0			Initial Weight/Volume:	30.08 g
Analysis Date:	12/28/2012 1603			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.8	U	3.8	7.6
Acenaphthylene		3.8	U	3.8	7.6
Anthracene		3.8	U	3.8	7.6
Benzo[a]anthracene		3.8	U	3.8	7.6
Benzo[a]pyrene		3.8	U	3.8	7.6
Benzo[b]fluoranthene		3.8	U	3.8	7.6
Benzo[g,h,i]perylene		3.8	U	3.8	7.6
Benzo[k]fluoranthene		3.8	U	3.8	7.6
Chrysene		3.8	U	1.3	7.6
Dibenz(a,h)anthracene		3.8	U	3.8	7.6
Fluoranthene		3.8	U	3.8	7.6
Fluorene		3.8	U	3.8	7.6
Indeno[1,2,3-cd]pyrene		3.8	U	3.8	7.6
Naphthalene		3.8	U	3.8	7.6
Phenanthrene		3.8	U	3.8	7.6
Pyrene		3.8	U	3.8	7.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	52		45 - 105
2-Fluorophenol (Surr)	71		35 - 105
Nitrobenzene-d5 (Surr)	55		35 - 100
Phenol-d5 (Surr)	71		40 - 100
Terphenyl-d14 (Surr)	67		30 - 125
2,4,6-Tribromophenol (Surr)	47		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SS-0048M-0001-SO**

Lab Sample ID: 240-18581-17 Date Sampled: 12/07/2012 1022
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21228014.D
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	29.70 g
Analysis Date:	12/28/2012 1540			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		12		3.3	6.7
Acenaphthylene		3.3	U	3.3	6.7
Anthracene		3.3	U	3.3	6.7
Benzo[a]anthracene		3.3	U	3.3	6.7
Benzo[a]pyrene		3.3	U	3.3	6.7
Benzo[b]fluoranthene		3.3	U	3.3	6.7
Benzo[g,h,i]perylene		3.3	U	3.3	6.7
Benzoic acid		340	U	340	670
Benzo[k]fluoranthene		3.3	U	3.3	6.7
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	100
Bis(2-chloroethyl)ether		3.3	U	2.0	100
bis (2-chloroisopropyl) ether		27	U	9.6	100
Bis(2-ethylhexyl) phthalate		61		19	51
4-Bromophenyl phenyl ether		27	U	13	51
Butyl benzyl phthalate		16	J	10	51
Carbazole		27	U	27	51
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	51
2-Chlorophenol		27	U	27	51
4-Chlorophenyl phenyl ether		27	U	13	51
Chrysene		3.3	U	1.1	6.7
Dibenz(a,h)anthracene		3.3	U	3.3	6.7
Dibenzofuran		3.3	U	3.3	51
1,2-Dichlorobenzene		27	U	9.8	51
1,3-Dichlorobenzene		27	U	11	51
1,4-Dichlorobenzene		27	U	20	51
3,3'-Dichlorobenzidine		81	U	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	51
2,4-Dimethylphenol		81	U	20	150
Dimethyl phthalate		27	U	17	51
Di-n-butyl phthalate		27	U	15	51
4,6-Dinitro-2-methylphenol		81	U	81	150
2,4-Dinitrophenol		81	U	81	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	51
Fluoranthene		7.7		3.3	6.7
Fluorene		19		3.3	6.7
Hexachlorobenzene		3.3	U	2.1	6.7
Hexachlorobutadiene		27	U	27	51
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	9.1	51

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SS-0048M-0001-SO**

Lab Sample ID: 240-18581-17 Date Sampled: 12/07/2012 1022
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21228014.D
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	29.70 g
Analysis Date:	12/28/2012 1540			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.7
Isophorone		27	U	13	51
2-Methylnaphthalene		3.3	U	3.3	6.7
2-Methylphenol		81	U	81	200
3 & 4 Methylphenol		81	U	20	400
Naphthalene		3.3	U	3.3	6.7
2-Nitroaniline		27	U	9.2	200
3-Nitroaniline		81	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	100
2-Nitrophenol		27	U	27	51
4-Nitrophenol		81	U	81	330
N-Nitrosodi-n-propylamine		27	U	27	51
N-Nitrosodiphenylamine		27	U	21	51
Pentachlorophenol		81	U	81	150
Phenanthrene		38		3.3	6.7
Phenol		27	U	27	51
Pyrene		8.7		3.3	6.7
1,2,4-Trichlorobenzene		27	U	27	51
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		81	U	81	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	52		45 - 105
2-Fluorophenol (Surr)	66		35 - 105
Nitrobenzene-d5 (Surr)	52		35 - 100
Phenol-d5 (Surr)	67		40 - 100
Terphenyl-d14 (Surr)	66		30 - 125
2,4,6-Tribromophenol (Surr)	76		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0049M-0001-SO**

Lab Sample ID: 240-18581-18 Date Sampled: 12/07/2012 1022
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21228013.D
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	30.21 g
Analysis Date:	12/28/2012 1517			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.6
Acenaphthylene		3.3	U	3.3	6.6
Anthracene		3.3	U	3.3	6.6
Benzo[a]anthracene		3.3	U	3.3	6.6
Benzo[a]pyrene		3.3	U	3.3	6.6
Benzo[b]fluoranthene		3.3	U	3.3	6.6
Benzo[g,h,i]perylene		3.3	U	3.3	6.6
Benzoic acid		330	U	330	660
Benzo[k]fluoranthene		3.3	U	3.3	6.6
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	99
Bis(2-chloroethyl)ether		3.3	U	2.0	99
bis (2-chloroisopropyl) ether		27	U	9.4	99
Bis(2-ethylhexyl) phthalate		27	J	19	50
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		27	U	9.9	50
Carbazole		27	U	27	50
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	50
2-Chlorophenol		27	U	27	50
4-Chlorophenyl phenyl ether		27	U	13	50
Chrysene		3.3	U	1.1	6.6
Dibenz(a,h)anthracene		3.3	U	3.3	6.6
Dibenzofuran		3.3	U	3.3	50
1,2-Dichlorobenzene		27	U	9.6	50
1,3-Dichlorobenzene		27	U	11	50
1,4-Dichlorobenzene		27	U	20	50
3,3'-Dichlorobenzidine		79	U	18	99
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	50
2,4-Dimethylphenol		79	U	20	150
Dimethyl phthalate		27	U	17	50
Di-n-butyl phthalate		27	U	15	50
4,6-Dinitro-2-methylphenol		79	U	79	150
2,4-Dinitrophenol		79	U	79	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	50
Fluoranthene		3.3	U	3.3	6.6
Fluorene		3.3	U	3.3	6.6
Hexachlorobenzene		3.3	U	2.1	6.6
Hexachlorobutadiene		27	U	27	50
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	8.9	50

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0049M-0001-SO**

Lab Sample ID: 240-18581-18 Date Sampled: 12/07/2012 1022
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21228013.D
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	30.21 g
Analysis Date:	12/28/2012 1517			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.6
Isophorone		27	U	13	50
2-Methylnaphthalene		3.3	U	3.3	6.6
2-Methylphenol		79	U	79	200
3 & 4 Methylphenol		79	U	20	400
Naphthalene		3.9	J	3.3	6.6
2-Nitroaniline		27	U	9.0	200
3-Nitroaniline		79	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	99
2-Nitrophenol		27	U	27	50
4-Nitrophenol		79	U	79	330
N-Nitrosodi-n-propylamine		27	U	27	50
N-Nitrosodiphenylamine		27	U	21	50
Pentachlorophenol		79	U	79	150
Phenanthrene		3.3	U	3.3	6.6
Phenol		27	U	27	50
Pyrene		3.3	U	3.3	6.6
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		79	U	79	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	52		45 - 105
2-Fluorophenol (Surr)	69		35 - 105
Nitrobenzene-d5 (Surr)	53		35 - 100
Phenol-d5 (Surr)	66		40 - 100
Terphenyl-d14 (Surr)	66		30 - 125
2,4,6-Tribromophenol (Surr)	73		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0050M-0001-SO**

Lab Sample ID: 240-18581-19 Date Sampled: 12/07/2012 0925
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21228012.D
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	29.58 g
Analysis Date:	12/28/2012 1454			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.8
Acenaphthylene		3.3	U	3.3	6.8
Anthracene		3.3	U	3.3	6.8
Benzo[a]anthracene		3.3	U	3.3	6.8
Benzo[a]pyrene		3.3	U	3.3	6.8
Benzo[b]fluoranthene		3.3	U	3.3	6.8
Benzo[g,h,i]perylene		3.3	U	3.3	6.8
Benzoic acid		340	U	340	670
Benzo[k]fluoranthene		3.3	U	3.3	6.8
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	100
Bis(2-chloroethyl)ether		3.3	U	2.0	100
bis (2-chloroisopropyl) ether		27	U	9.6	100
Bis(2-ethylhexyl) phthalate		29	J	19	51
4-Bromophenyl phenyl ether		27	U	13	51
Butyl benzyl phthalate		27	U	10	51
Carbazole		27	U	27	51
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	51
2-Chlorophenol		27	U	27	51
4-Chlorophenyl phenyl ether		27	U	13	51
Chrysene		3.3	U	1.1	6.8
Dibenz(a,h)anthracene		3.3	U	3.3	6.8
Dibenzofuran		3.8	J	3.3	51
1,2-Dichlorobenzene		27	U	9.8	51
1,3-Dichlorobenzene		27	U	11	51
1,4-Dichlorobenzene		27	U	20	51
3,3'-Dichlorobenzidine		81	U	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	51
2,4-Dimethylphenol		81	U	20	150
Dimethyl phthalate		27	U	17	51
Di-n-butyl phthalate		27	U	15	51
4,6-Dinitro-2-methylphenol		81	U	81	150
2,4-Dinitrophenol		81	U	81	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	51
Fluoranthene		7.9		3.3	6.8
Fluorene		3.4	J	3.3	6.8
Hexachlorobenzene		3.3	U	2.1	6.8
Hexachlorobutadiene		27	U	27	51
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	9.1	51

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0050M-0001-SO**

Lab Sample ID: 240-18581-19 Date Sampled: 12/07/2012 0925
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69432	Lab File ID:	21228012.D
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	29.58 g
Analysis Date:	12/28/2012 1454			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.8
Isophorone		27	U	13	51
2-Methylnaphthalene		5.2	J	3.3	6.8
2-Methylphenol		81	U	81	200
3 & 4 Methylphenol		81	U	20	410
Naphthalene		5.6	J	3.3	6.8
2-Nitroaniline		27	U	9.2	200
3-Nitroaniline		81	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	100
2-Nitrophenol		27	U	27	51
4-Nitrophenol		81	U	81	330
N-Nitrosodi-n-propylamine		27	U	27	51
N-Nitrosodiphenylamine		27	U	21	51
Pentachlorophenol		81	U	81	150
Phenanthrene		14		3.3	6.8
Phenol		27	U	27	51
Pyrene		4.2	J	3.3	6.8
1,2,4-Trichlorobenzene		27	U	27	51
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		81	U	81	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	50		45 - 105
2-Fluorophenol (Surr)	68		35 - 105
Nitrobenzene-d5 (Surr)	51		35 - 100
Phenol-d5 (Surr)	65		40 - 100
Terphenyl-d14 (Surr)	59		30 - 125
2,4,6-Tribromophenol (Surr)	66		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0051M-0001-SO**

Lab Sample ID: 240-18581-20 Date Sampled: 12/07/2012 0945
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69446	Lab File ID:	21226013.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.04 g
Analysis Date:	12/26/2012 1332			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		33	U	33	67
Acenaphthylene		33	U	33	67
Anthracene		33	U	33	67
Benzo[a]anthracene		33	U	33	67
Benzo[a]pyrene		33	U	33	67
Benzo[b]fluoranthene		33	U	33	67
Benzo[g,h,i]perylene		33	U	33	67
Benzoic acid		3300	U	3300	6600
Benzo[k]fluoranthene		33	U	33	67
Benzyl alcohol		270	U	210	3300
Bis(2-chloroethoxy)methane		270	U	220	1000
Bis(2-chloroethyl)ether		33	U	20	1000
bis (2-chloroisopropyl) ether		270	U	95	1000
Bis(2-ethylhexyl) phthalate		270	U	190	500
4-Bromophenyl phenyl ether		270	U	130	500
Butyl benzyl phthalate		270	U	100	500
Carbazole		270	U	270	500
4-Chloroaniline		270	U	170	1500
4-Chloro-3-methylphenol		270	U	210	1500
2-Chloronaphthalene		33	U	33	500
2-Chlorophenol		270	U	270	500
4-Chlorophenyl phenyl ether		270	U	130	500
Chrysene		33	U	11	67
Dibenz(a,h)anthracene		33	U	33	67
Dibenzofuran		33	U	33	500
1,2-Dichlorobenzene		270	U	97	500
1,3-Dichlorobenzene		270	U	110	500
1,4-Dichlorobenzene		270	U	200	500
3,3'-Dichlorobenzidine		800	U	180	1000
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	500
2,4-Dimethylphenol		800	U	200	1500
Dimethyl phthalate		270	U	170	500
Di-n-butyl phthalate		270	U	150	500
4,6-Dinitro-2-methylphenol		800	U	800	1500
2,4-Dinitrophenol		800	U	800	3300
2,4-Dinitrotoluene		270	U	270	2000
2,6-Dinitrotoluene		270	U	210	2000
Di-n-octyl phthalate		270	U	270	500
Fluoranthene		33	U	33	67
Fluorene		33	U	33	67
Hexachlorobenzene		33	U	21	67
Hexachlorobutadiene		270	U	270	500
Hexachlorocyclopentadiene		270	U	270	3300
Hexachloroethane		270	U	90	500

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0051M-0001-SO**

Lab Sample ID: 240-18581-20 Date Sampled: 12/07/2012 0945
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69446	Lab File ID:	21226013.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.04 g
Analysis Date:	12/26/2012 1332			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		33	U	33	67
Isophorone		270	U	130	500
2-Methylnaphthalene		33	U	33	67
2-Methylphenol		800	U	800	2000
3 & 4 Methylphenol		800	U	200	4000
Naphthalene		33	U	33	67
2-Nitroaniline		270	U	91	2000
3-Nitroaniline		800	U	160	2000
4-Nitroaniline		270	U	260	2000
Nitrobenzene		33	U	22	1000
2-Nitrophenol		270	U	270	500
4-Nitrophenol		800	U	800	3300
N-Nitrosodi-n-propylamine		270	U	270	500
N-Nitrosodiphenylamine		270	U	210	500
Pentachlorophenol		800	U	800	1500
Phenanthrene		33	U	33	67
Phenol		270	U	270	500
Pyrene		33	U	33	67
1,2,4-Trichlorobenzene		270	U	270	500
2,4,5-Trichlorophenol		270	U	250	1500
2,4,6-Trichlorophenol		800	U	800	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	44	Q	45 - 105
2-Fluorophenol (Surr)	55		35 - 105
Nitrobenzene-d5 (Surr)	39		35 - 100
Phenol-d5 (Surr)	53		40 - 100
Terphenyl-d14 (Surr)	53		30 - 125
2,4,6-Tribromophenol (Surr)	48		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0052M-0001-SO**

Lab Sample ID: 240-18581-21 Date Sampled: 12/07/2012 1000
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69446	Lab File ID:	21226008.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.13 g
Analysis Date:	12/26/2012 1135			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		33	U	33	66
Acenaphthylene		33	U	33	66
Anthracene		33	U	33	66
Benzo[a]anthracene		33	U	33	66
Benzo[a]pyrene		33	U J	33	66
Benzo[b]fluoranthene		33	U	33	66
Benzo[g,h,i]perylene		33	U	33	66
Benzoic acid		3300	U	3300	6600
Benzo[k]fluoranthene		33	U	33	66
Benzyl alcohol		270	U	210	3300
Bis(2-chloroethoxy)methane		270	U	220	1000
Bis(2-chloroethyl)ether		33	U	20	1000
bis (2-chloroisopropyl) ether		270	U	95	1000
Bis(2-ethylhexyl) phthalate		270	U	190	500
4-Bromophenyl phenyl ether		270	U	130	500
Butyl benzyl phthalate		270	U	100	500
Carbazole		270	U	270	500
4-Chloroaniline		270	U	170	1500
4-Chloro-3-methylphenol		270	U	210	1500
2-Chloronaphthalene		33	U	33	500
2-Chlorophenol		270	U	270	500
4-Chlorophenyl phenyl ether		270	U	130	500
Chrysene		33	U	11	66
Dibenz(a,h)anthracene		33	U	33	66
Dibenzofuran		33	U	33	500
1,2-Dichlorobenzene		270	U	97	500
1,3-Dichlorobenzene		270	U	110	500
1,4-Dichlorobenzene		270	U	200	500
3,3'-Dichlorobenzidine		800	U J	180	1000
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	500
2,4-Dimethylphenol		800	U	200	1500
Dimethyl phthalate		270	U	170	500
Di-n-butyl phthalate		270	U	150	500
4,6-Dinitro-2-methylphenol		800	U	800	1500
2,4-Dinitrophenol		800	U J	800	3300
2,4-Dinitrotoluene		270	U	270	2000
2,6-Dinitrotoluene		270	U	210	2000
Di-n-octyl phthalate		270	U	270	500
Fluoranthene		33	U	33	66
Fluorene		33	U	33	66
Hexachlorobenzene		33	U	21	66
Hexachlorobutadiene		270	U	270	500
Hexachlorocyclopentadiene		270	U	270	3300
Hexachloroethane		270	U	90	500

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0052M-0001-SO**

Lab Sample ID: 240-18581-21 Date Sampled: 12/07/2012 1000
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69446	Lab File ID:	21226008.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.13 g
Analysis Date:	12/26/2012 1135			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		33	U	33	66
Isophorone		270	U	130	500
2-Methylnaphthalene		33	U	33	66
2-Methylphenol		800	U	800	2000
3 & 4 Methylphenol		800	U	200	4000
Naphthalene		33	U	33	66
2-Nitroaniline		270	U	91	2000
3-Nitroaniline		800	U	160	2000
4-Nitroaniline		270	U	260	2000
Nitrobenzene		33	U	22	1000
2-Nitrophenol		270	U	270	500
4-Nitrophenol		800	U	800	3300
N-Nitrosodi-n-propylamine		270	U	270	500
N-Nitrosodiphenylamine		270	U	210	500
Pentachlorophenol		800	U	800	1500
Phenanthrene		33	U	33	66
Phenol		270	U	270	500
Pyrene		33	U	33	66
1,2,4-Trichlorobenzene		270	U	270	500
2,4,5-Trichlorophenol		270	U	250	1500
2,4,6-Trichlorophenol		800	U	800	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	50		45 - 105
2-Fluorophenol (Surr)	62		35 - 105
Nitrobenzene-d5 (Surr)	46		35 - 100
Phenol-d5 (Surr)	59		40 - 100
Terphenyl-d14 (Surr)	60		30 - 125
2,4,6-Tribromophenol (Surr)	34	Q	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0053M-0001-SO**

Lab Sample ID: 240-18581-22 Date Sampled: 12/07/2012 1018
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69446	Lab File ID:	21226011.D
Dilution:	4.0	Leach Batch:	240-69073	Initial Weight/Volume:	29.96 g
Analysis Date:	12/26/2012 1245			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		13	U	13	27
Acenaphthylene		13	U	13	27
Anthracene		13	U	13	27
Benzo[a]anthracene		13	U	13	27
Benzo[a]pyrene		13	U	13	27
Benzo[b]fluoranthene		13	U	13	27
Benzo[g,h,i]perylene		13	U	13	27
Benzoic acid		1300	U	1300	2600
Benzo[k]fluoranthene		13	U	13	27
Benzyl alcohol		110	U	84	1300
Bis(2-chloroethoxy)methane		110	U	88	400
Bis(2-chloroethyl)ether		13	U	8.0	400
bis (2-chloroisopropyl) ether		110	U	38	400
Bis(2-ethylhexyl) phthalate		110	U	76	200
4-Bromophenyl phenyl ether		110	U	52	200
Butyl benzyl phthalate		110	U	40	200
Carbazole		110	U	110	200
4-Chloroaniline		110	U	68	600
4-Chloro-3-methylphenol		110	U	84	600
2-Chloronaphthalene		13	U	13	200
2-Chlorophenol		110	U	110	200
4-Chlorophenyl phenyl ether		110	U	52	200
Chrysene		13	U	4.4	27
Dibenz(a,h)anthracene		13	U	13	27
Dibenzofuran		13	U	13	200
1,2-Dichlorobenzene		110	U	39	200
1,3-Dichlorobenzene		110	U	44	200
1,4-Dichlorobenzene		110	U	80	200
3,3'-Dichlorobenzidine		320	U	72	400
2,4-Dichlorophenol		110	U	80	600
Diethyl phthalate		110	U	64	200
2,4-Dimethylphenol		320	U	80	600
Dimethyl phthalate		110	U	68	200
Di-n-butyl phthalate		110	U	60	200
4,6-Dinitro-2-methylphenol		320	U	320	600
2,4-Dinitrophenol		320	U	320	1300
2,4-Dinitrotoluene		110	U	110	800
2,6-Dinitrotoluene		110	U	84	800
Di-n-octyl phthalate		110	U	110	200
Fluoranthene		13	U	13	27
Fluorene		13	U	13	27
Hexachlorobenzene		13	U	8.4	27
Hexachlorobutadiene		110	U	110	200
Hexachlorocyclopentadiene		110	U	110	1300
Hexachloroethane		110	U	36	200

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0053M-0001-SO**

Lab Sample ID: 240-18581-22 Date Sampled: 12/07/2012 1018
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69446	Lab File ID:	21226011.D
Dilution:	4.0	Leach Batch:	240-69073	Initial Weight/Volume:	29.96 g
Analysis Date:	12/26/2012 1245			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		13	U	13	27
Isophorone		110	U	52	200
2-Methylnaphthalene		13	U	13	27
2-Methylphenol		320	U	320	800
3 & 4 Methylphenol		320	U	80	1600
Naphthalene		13	U	13	27
2-Nitroaniline		110	U	36	800
3-Nitroaniline		320	U	64	800
4-Nitroaniline		110	U	100	800
Nitrobenzene		13	U	8.8	400
2-Nitrophenol		110	U	110	200
4-Nitrophenol		320	U	320	1300
N-Nitrosodi-n-propylamine		110	U	110	200
N-Nitrosodiphenylamine		110	U	84	200
Pentachlorophenol		320	U	320	600
Phenanthrene		13	U	13	27
Phenol		110	U	110	200
Pyrene		13	U	13	27
1,2,4-Trichlorobenzene		110	U	110	200
2,4,5-Trichlorophenol		110	U	100	600
2,4,6-Trichlorophenol		320	U	320	600

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	47		45 - 105
2-Fluorophenol (Surr)	59		35 - 105
Nitrobenzene-d5 (Surr)	39		35 - 100
Phenol-d5 (Surr)	57		40 - 100
Terphenyl-d14 (Surr)	53		30 - 125
2,4,6-Tribromophenol (Surr)	43		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0054M-0001-SO**

Lab Sample ID: 240-18581-23 Date Sampled: 12/07/2012 1025
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69446	Lab File ID:	21226012.D
Dilution:	4.0	Leach Batch:	240-69073	Initial Weight/Volume:	30.30 g
Analysis Date:	12/26/2012 1308			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		13	U	13	26
Acenaphthylene		13	U	13	26
Anthracene		13	U	13	26
Benzo[a]anthracene		13	U	13	26
Benzo[a]pyrene		13	U	13	26
Benzo[b]fluoranthene		13	U	13	26
Benzo[g,h,i]perylene		13	U	13	26
Benzoic acid		1300	U	1300	2600
Benzo[k]fluoranthene		13	U	13	26
Benzyl alcohol		110	U	83	1300
Bis(2-chloroethoxy)methane		110	U	87	400
Bis(2-chloroethyl)ether		13	U	7.9	400
bis (2-chloroisopropyl) ether		110	U	38	400
Bis(2-ethylhexyl) phthalate		110	U	75	200
4-Bromophenyl phenyl ether		110	U	51	200
Butyl benzyl phthalate		110	U	40	200
Carbazole		110	U	110	200
4-Chloroaniline		110	U	67	590
4-Chloro-3-methylphenol		110	U	83	590
2-Chloronaphthalene		13	U	13	200
2-Chlorophenol		110	U	110	200
4-Chlorophenyl phenyl ether		110	U	51	200
Chrysene		13	U	4.4	26
Dibenz(a,h)anthracene		13	U	13	26
Dibenzofuran		13	U	13	200
1,2-Dichlorobenzene		110	U	38	200
1,3-Dichlorobenzene		110	U	44	200
1,4-Dichlorobenzene		110	U	79	200
3,3'-Dichlorobenzidine		320	U	71	400
2,4-Dichlorophenol		110	U	79	590
Diethyl phthalate		110	U	63	200
2,4-Dimethylphenol		320	U	79	590
Dimethyl phthalate		110	U	67	200
Di-n-butyl phthalate		110	U	59	200
4,6-Dinitro-2-methylphenol		320	U	320	590
2,4-Dinitrophenol		320	U	320	1300
2,4-Dinitrotoluene		110	U	110	790
2,6-Dinitrotoluene		110	U	83	790
Di-n-octyl phthalate		110	U	110	200
Fluoranthene		13	U	13	26
Fluorene		13	U	13	26
Hexachlorobenzene		13	U	8.3	26
Hexachlorobutadiene		110	U	110	200
Hexachlorocyclopentadiene		110	U	110	1300
Hexachloroethane		110	U	36	200

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0054M-0001-SO**

Lab Sample ID: 240-18581-23 Date Sampled: 12/07/2012 1025
Client Matrix: Solid Date Received: 12/08/2012 1120

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-69446	Lab File ID:	21226012.D
Dilution:	4.0	Leach Batch:	240-69073	Initial Weight/Volume:	30.30 g
Analysis Date:	12/26/2012 1308			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		13	U	13	26
Isophorone		110	U	51	200
2-Methylnaphthalene		13	U	13	26
2-Methylphenol		320	U	320	790
3 & 4 Methylphenol		320	U	79	1600
Naphthalene		13	U	13	26
2-Nitroaniline		110	U	36	790
3-Nitroaniline		320	U	63	790
4-Nitroaniline		110	U	100	790
Nitrobenzene		13	U	8.7	400
2-Nitrophenol		110	U	110	200
4-Nitrophenol		320	U	320	1300
N-Nitrosodi-n-propylamine		110	U	110	200
N-Nitrosodiphenylamine		110	U	83	200
Pentachlorophenol		320	U	320	590
Phenanthrene		13	U	13	26
Phenol		110	U	110	200
Pyrene		13	U	13	26
1,2,4-Trichlorobenzene		110	U	110	200
2,4,5-Trichlorophenol		110	U	99	590
2,4,6-Trichlorophenol		320	U	320	590

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	48		45 - 105
2-Fluorophenol (Surr)	58		35 - 105
Nitrobenzene-d5 (Surr)	42		35 - 100
Phenol-d5 (Surr)	58		40 - 100
Terphenyl-d14 (Surr)	55		30 - 125
2,4,6-Tribromophenol (Surr)	45		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-043M-0001-SO**

Lab Sample ID: 240-18581-2 Date Sampled: 12/07/2012 1145
Client Matrix: Solid % Moisture: 20.1 Date Received: 12/08/2012 1120

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69540	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-69633	Initial Weight/Volume:	5.783 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/21/2012 0148			Injection Volume:	
Prep Date:	12/08/2012 1730			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
C6-C12		980		50	110

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	80	M	10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0056-0001-SO**

Lab Sample ID: 240-18581-7 Date Sampled: 12/07/2012 1304
Client Matrix: Solid % Moisture: 12.3 Date Received: 12/08/2012 1120

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69540	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-69633	Initial Weight/Volume:	6.494 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/21/2012 0226			Injection Volume:	
Prep Date:	12/08/2012 1730			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
C6-C12		44	U	40	88

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	77		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0057-0001-SO**

Lab Sample ID: 240-18581-8 Date Sampled: 12/07/2012 1325
Client Matrix: Solid % Moisture: 13.0 Date Received: 12/08/2012 1120

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69540	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-69633	Initial Weight/Volume:	6.223 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/21/2012 0304			Injection Volume:	
Prep Date:	12/08/2012 1730			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
C6-C12		46	U	42	92

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	70		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0058-0001-SO**

Lab Sample ID: 240-18581-9 Date Sampled: 12/07/2012 1335
Client Matrix: Solid % Moisture: 11.2 Date Received: 12/08/2012 1120

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69540	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-69633	Initial Weight/Volume:	6.297 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/21/2012 0342			Injection Volume:	
Prep Date:	12/08/2012 1730			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
C6-C12		45	U	41	89

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	79		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0059-0001-SO**

Lab Sample ID: 240-18581-10 Date Sampled: 12/07/2012 1337
Client Matrix: Solid % Moisture: 10.8 Date Received: 12/08/2012 1120

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69540	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-69633	Initial Weight/Volume:	6.228 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/21/2012 0420			Injection Volume:	
Prep Date:	12/08/2012 1730			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
C6-C12		45	U	41	90

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	78		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0060-0001-SO**

Lab Sample ID: 240-18581-11 Date Sampled: 12/07/2012 1345
Client Matrix: Solid % Moisture: 9.7 Date Received: 12/08/2012 1120

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69540	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-69633	Initial Weight/Volume:	6.613 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/21/2012 0458			Injection Volume:	
Prep Date:	12/08/2012 1730			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
C6-C12		42	U	39	84

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	79		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0070-0001-SO**

Lab Sample ID: 240-18581-13 Date Sampled: 12/07/2012 1420
Client Matrix: Solid % Moisture: 11.0 Date Received: 12/08/2012 1120

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69540	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-69633	Initial Weight/Volume:	6.089 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/21/2012 0536			Injection Volume:	
Prep Date:	12/08/2012 1730			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
C6-C12		46	U	42	92

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	75		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0071-0001-SO**

Lab Sample ID: 240-18581-14 Date Sampled: 12/07/2012 1440
Client Matrix: Solid % Moisture: 12.0 Date Received: 12/08/2012 1120

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69540	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-69633	Initial Weight/Volume:	6.168 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/21/2012 0651			Injection Volume:	
Prep Date:	12/08/2012 1730			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
C6-C12		46	U	42	92

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	75		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0072-0001-SO**

Lab Sample ID: 240-18581-15 Date Sampled: 12/07/2012 1455
Client Matrix: Solid % Moisture: 13.7 Date Received: 12/08/2012 1120

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69540	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-69633	Initial Weight/Volume:	4.862 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/21/2012 0729			Injection Volume:	
Prep Date:	12/08/2012 1730			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
C6-C12		60	U	55	120

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	74		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0073-0001-SO**

Lab Sample ID: 240-18581-16 Date Sampled: 12/07/2012 1505
Client Matrix: Solid % Moisture: 12.7 Date Received: 12/08/2012 1120

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-69540	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-69633	Initial Weight/Volume:	6.23 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	12/21/2012 0807			Injection Volume:	
Prep Date:	12/08/2012 1730			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
C6-C12		46	U	42	92

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	72		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid % Moisture: 18.6 Date Received: 12/08/2012 1120

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-70013	Instrument ID:	A2HP5F
Prep Method:	3540C	Prep Batch:	240-69404	Lab File ID:	P5F10006.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.86 g
Analysis Date:	12/24/2012 1446			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		370	D	110	210
C20-C34		430	D M	110	210

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	42		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-043M-0001-SO**

Lab Sample ID: 240-18581-2 Date Sampled: 12/07/2012 1145
Client Matrix: Solid % Moisture: 20.1 Date Received: 12/08/2012 1120

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-70006	Instrument ID:	A2HP6F
Prep Method:	3540C	Prep Batch:	240-69794	Lab File ID:	P6F24023.D
Dilution:	5.0	Leach Batch:	240-69073	Initial Weight/Volume:	30.11 g
Analysis Date:	12/25/2012 0255			Final Weight/Volume:	5 mL
Prep Date:	12/21/2012 1138			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		350	D	58	100
C20-C34		400	D M	58	100

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	63		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0056-0001-SO**

Lab Sample ID: 240-18581-7 Date Sampled: 12/07/2012 1304
Client Matrix: Solid % Moisture: 12.3 Date Received: 12/08/2012 1120

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Prep Method:	3540C	Prep Batch:	240-69404	Lab File ID:	P5F10029.D
Dilution:	1.0			Initial Weight/Volume:	29.75 g
Analysis Date:	12/21/2012 0506			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		11	U	11	19
C20-C34		11	U	11	19

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	44		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0057-0001-SO**

Lab Sample ID: 240-18581-8 Date Sampled: 12/07/2012 1325
Client Matrix: Solid % Moisture: 13.0 Date Received: 12/08/2012 1120

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Prep Method:	3540C	Prep Batch:	240-69404	Lab File ID:	P5F10030.D
Dilution:	1.0			Initial Weight/Volume:	29.90 g
Analysis Date:	12/21/2012 0536			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		11	U	11	19
C20-C34		11	U	11	19

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	48		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0058-0001-SO**

Lab Sample ID: 240-18581-9 Date Sampled: 12/07/2012 1335
Client Matrix: Solid % Moisture: 11.2 Date Received: 12/08/2012 1120

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Prep Method:	3540C	Prep Batch:	240-69404	Lab File ID:	P5F10031.D
Dilution:	1.0			Initial Weight/Volume:	29.63 g
Analysis Date:	12/21/2012 0607			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		11	U	11	19
C20-C34		11	U	11	19

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	52		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0059-0001-SO**

Lab Sample ID: 240-18581-10 Date Sampled: 12/07/2012 1337
Client Matrix: Solid % Moisture: 10.8 Date Received: 12/08/2012 1120

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Prep Method:	3540C	Prep Batch:	240-69404	Lab File ID:	P5F10032.D
Dilution:	1.0			Initial Weight/Volume:	30.15 g
Analysis Date:	12/21/2012 0636			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		10	U	10	19
C20-C34		10	U	10	19

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	40		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0060-0001-SO**

Lab Sample ID: 240-18581-11 Date Sampled: 12/07/2012 1345
Client Matrix: Solid % Moisture: 9.7 Date Received: 12/08/2012 1120

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Prep Method:	3540C	Prep Batch:	240-69404	Lab File ID:	P5F10033.D
Dilution:	1.0			Initial Weight/Volume:	29.61 g
Analysis Date:	12/21/2012 0707			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		10	U	10	19
C20-C34		10	U	10	19

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	53		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0070-0001-SO**

Lab Sample ID: 240-18581-13 Date Sampled: 12/07/2012 1420
Client Matrix: Solid % Moisture: 11.0 Date Received: 12/08/2012 1120

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Prep Method:	3540C	Prep Batch:	240-69404	Lab File ID:	P5F10035.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	12/21/2012 0806			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		10	U	10	19
C20-C34		10	U	10	19

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	52		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0071-0001-SO**

Lab Sample ID: 240-18581-14 Date Sampled: 12/07/2012 1440
Client Matrix: Solid % Moisture: 12.0 Date Received: 12/08/2012 1120

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Prep Method:	3540C	Prep Batch:	240-69404	Lab File ID:	P5F10036.D
Dilution:	1.0			Initial Weight/Volume:	29.69 g
Analysis Date:	12/21/2012 0836			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		11	U	11	19
C20-C34		11	U	11	19

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	52		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0072-0001-SO**

Lab Sample ID: 240-18581-15 Date Sampled: 12/07/2012 1455
Client Matrix: Solid % Moisture: 13.7 Date Received: 12/08/2012 1120

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Prep Method:	3540C	Prep Batch:	240-69404	Lab File ID:	P5F10037.D
Dilution:	1.0			Initial Weight/Volume:	30.34 g
Analysis Date:	12/21/2012 0906			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		11	U	11	19
C20-C34		11	U	11	19

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	55		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0073-0001-SO**

Lab Sample ID: 240-18581-16 Date Sampled: 12/07/2012 1505
Client Matrix: Solid % Moisture: 12.7 Date Received: 12/08/2012 1120

8015B_DRO/DOD Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B_DRO/DOD	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Prep Method:	3540C	Prep Batch:	240-69404	Lab File ID:	P5F10042.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Analysis Date:	12/21/2012 1140			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
C10-C20		11	U	11	19
C20-C34		11	U	11	19

Surrogate	%Rec	Qualifier	Acceptance Limits
n-Nonane	49		10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-69893	Instrument ID:	A2HP9
Prep Method:	3540C	Prep Batch:	240-69426	Initial Weight/Volume:	30.18 g
Dilution:	50	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/22/2012 1940			Injection Volume:	1 uL
Prep Date:	12/19/2012 1253			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		33	U J	31	99
4,4'-DDE		33	U	19	84
4,4'-DDT		33	U J	31	99
Aldrin		66	U	60	200
alpha-BHC		66	U	36	120
alpha-Chlordane		66	U	47	150
beta-BHC		66	U	55	170
delta-BHC		66	U	60	200
Dieldrin		33	U	23	84
Endosulfan I		33	U	26	84
Endosulfan II		66	U	41	120
Endosulfan sulfate		66	U	43	150
Endrin		33	U	25	84
Endrin aldehyde		66	U	50	150
Endrin ketone		33	U J	31	99
gamma-BHC (Lindane)		66	U	37	120
gamma-Chlordane		33	U	21	84
Heptachlor		66	U	55	170
Heptachlor epoxide		66	U	40	120
Methoxychlor		160	U	75	250
Toxaphene		990	U	940	3300

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80	M	55 - 130
Tetrachloro-m-xylene	167	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-69893	Instrument ID:	A2HP9
Prep Method:	3540C	Prep Batch:	240-69426	Initial Weight/Volume:	30.18 g
Dilution:	50	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/22/2012 1940			Injection Volume:	1 uL
Prep Date:	12/19/2012 1253			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		55 - 130
Tetrachloro-m-xylene	342	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-71028	Instrument ID:	A2HP9
Prep Method:	3540C	Prep Batch:	240-69426	Initial Weight/Volume:	30.40 g
Dilution:	50	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	01/04/2013 0821			Injection Volume:	1 uL
Prep Date:	12/19/2012 1253			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		33	U	31	99
4,4'-DDE		33	U	19	84
4,4'-DDT		33	U	31	99
Aldrin		66	U	59	200
alpha-BHC		66	U	36	120
alpha-Chlordane		66	U	46	150
beta-BHC		66	U	54	170
delta-BHC		66	U	59	200
Dieldrin		33	U	23	84
Endosulfan I		33	U	26	84
Endosulfan II		66	U	40	120
Endosulfan sulfate		66	U	43	150
Endrin		33	U	25	84
Endrin aldehyde		66	U	49	150
Endrin ketone		33	U	31	99
gamma-BHC (Lindane)		66	U	37	120
gamma-Chlordane		33	U	21	84
Heptachlor		66	U	54	170
Heptachlor epoxide		66	U	39	120
Methoxychlor		160	U	74	250
Toxaphene		990	U	940	3300

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		55 - 130
Tetrachloro-m-xylene	110		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-71028	Instrument ID:	A2HP9
Prep Method:	3540C	Prep Batch:	240-69426	Initial Weight/Volume:	30.40 g
Dilution:	50	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	01/04/2013 0821			Injection Volume:	1 uL
Prep Date:	12/19/2012 1253			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	94		55 - 130
Tetrachloro-m-xylene	110		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-046M-0001-SO**

Lab Sample ID: 240-18581-5 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-71028	Instrument ID:	A2HP9
Prep Method:	3540C	Prep Batch:	240-69426	Initial Weight/Volume:	30.40 g
Dilution:	50	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	01/04/2013 0848			Injection Volume:	1 uL
Prep Date:	12/19/2012 1253			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		33	U	31	99
4,4'-DDE		33	U	19	84
4,4'-DDT		33	U	31	99
Aldrin		66	U	59	200
alpha-BHC		66	U	36	120
alpha-Chlordane		66	U	46	150
beta-BHC		66	U	54	170
delta-BHC		66	U	59	200
Dieldrin		33	U	23	84
Endosulfan I		33	U	26	84
Endosulfan II		66	U	40	120
Endosulfan sulfate		66	U	43	150
Endrin		33	U	25	84
Endrin aldehyde		66	U	49	150
Endrin ketone		33	U	31	99
gamma-BHC (Lindane)		66	U	37	120
gamma-Chlordane		33	U	21	84
Heptachlor		66	U	54	170
Heptachlor epoxide		66	U	39	120
Methoxychlor		160	U	74	250
Toxaphene		990	U	940	3300

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	2	Q	55 - 130
Tetrachloro-m-xylene	1	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-046M-0001-SO**

Lab Sample ID: 240-18581-5 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-71028	Instrument ID:	A2HP9
Prep Method:	3540C	Prep Batch:	240-69426	Initial Weight/Volume:	30.40 g
Dilution:	50	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	01/04/2013 0848			Injection Volume:	1 uL
Prep Date:	12/19/2012 1253			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	2	Q	55 - 130
Tetrachloro-m-xylene	2	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	30.18 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 0856			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58		40 - 140
DCB Decachlorobiphenyl	60		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	30.18 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 0856			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		40 - 140
DCB Decachlorobiphenyl	64		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	30.40 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 0911			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		24	U	16	49
Aroclor-1016		24	U	21	64
Aroclor-1232		24	U	14	44
Aroclor-1242		24	U	13	39
Aroclor-1248		24	U	17	54
Aroclor-1254		24	U	17	54
Aroclor-1260		24	U	17	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		40 - 140
DCB Decachlorobiphenyl	69		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	30.40 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 0911			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		40 - 140
DCB Decachlorobiphenyl	74		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-046M-0001-SO**

Lab Sample ID: 240-18581-5 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-70556	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-70113	Initial Weight/Volume:	29.88 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/29/2012 1939			Injection Volume:	1 uL
Prep Date:	12/26/2012 1028			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U H	16	50
Aroclor-1016		25	U H	21	65
Aroclor-1232		25	U H	14	45
Aroclor-1242		25	U H	13	40
Aroclor-1248		25	U H	17	55
Aroclor-1254		25	U H	17	55
Aroclor-1260		25	U H	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		40 - 140
DCB Decachlorobiphenyl	73		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-046M-0001-SO**

Lab Sample ID: 240-18581-5 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-70556	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-70113	Initial Weight/Volume:	29.88 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/29/2012 1939			Injection Volume:	1 uL
Prep Date:	12/26/2012 1028			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		40 - 140
DCB Decachlorobiphenyl	76		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-047M-0001-SO**

Lab Sample ID: 240-18581-6 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-70556	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-70113	Initial Weight/Volume:	30.22 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/29/2012 1955			Injection Volume:	1 uL
Prep Date:	12/26/2012 1028			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U H	16	50
Aroclor-1016		25	U H	21	65
Aroclor-1232		25	U H	14	45
Aroclor-1242		25	U H	13	40
Aroclor-1248		25	U H	17	55
Aroclor-1254		25	U H	17	55
Aroclor-1260		25	U H	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	64		40 - 140
DCB Decachlorobiphenyl	70		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-047M-0001-SO**

Lab Sample ID: 240-18581-6 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-70556	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-70113	Initial Weight/Volume:	30.22 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/29/2012 1955			Injection Volume:	1 uL
Prep Date:	12/26/2012 1028			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71		40 - 140
DCB Decachlorobiphenyl	70		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SS-0048M-0001-SO**

Lab Sample ID: 240-18581-17 Date Sampled: 12/07/2012 1022
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-70882	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-70774	Initial Weight/Volume:	30.10 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	01/02/2013 1444			Injection Volume:	1 uL
Prep Date:	12/31/2012 1358			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U H	16	50
Aroclor-1016		25	U H	21	65
Aroclor-1232		25	U H	14	45
Aroclor-1242		25	U H	13	40
Aroclor-1248		25	U H	17	55
Aroclor-1254		25	U H	17	55
Aroclor-1260		25	U H	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		40 - 140
DCB Decachlorobiphenyl	85		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SS-0048M-0001-SO**

Lab Sample ID: 240-18581-17 Date Sampled: 12/07/2012 1022
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-70882	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-70774	Initial Weight/Volume:	30.10 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	01/02/2013 1444			Injection Volume:	1 uL
Prep Date:	12/31/2012 1358			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	816	Q	40 - 140
DCB Decachlorobiphenyl	74		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0049M-0001-SO**

Lab Sample ID: 240-18581-18 Date Sampled: 12/07/2012 1022
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	29.99 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 1014			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59		40 - 140
DCB Decachlorobiphenyl	63		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0049M-0001-SO**

Lab Sample ID: 240-18581-18 Date Sampled: 12/07/2012 1022
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	29.99 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 1014			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	63		40 - 140
DCB Decachlorobiphenyl	62		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0050M-0001-SO**

Lab Sample ID: 240-18581-19 Date Sampled: 12/07/2012 0925
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	30.16 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 1030			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		40 - 140
DCB Decachlorobiphenyl	71		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0050M-0001-SO**

Lab Sample ID: 240-18581-19 Date Sampled: 12/07/2012 0925
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	30.16 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 1030			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		40 - 140
DCB Decachlorobiphenyl	71		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0051M-0001-SO**

Lab Sample ID: 240-18581-20 Date Sampled: 12/07/2012 0945
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	29.91 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 1117			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		40 - 140
DCB Decachlorobiphenyl	65		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0051M-0001-SO**

Lab Sample ID: 240-18581-20 Date Sampled: 12/07/2012 0945
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	29.91 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 1117			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	63		40 - 140
DCB Decachlorobiphenyl	67		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0052M-0001-SO**

Lab Sample ID: 240-18581-21 Date Sampled: 12/07/2012 1000
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	30.32 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 1133			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		24	U	16	49
Aroclor-1016		24	U	21	64
Aroclor-1232		24	U	14	45
Aroclor-1242		24	U	13	40
Aroclor-1248		24	U	17	54
Aroclor-1254		24	U	17	54
Aroclor-1260		24	U	17	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		40 - 140
DCB Decachlorobiphenyl	69		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0052M-0001-SO**

Lab Sample ID: 240-18581-21 Date Sampled: 12/07/2012 1000
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	30.32 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 1133			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		40 - 140
DCB Decachlorobiphenyl	70		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0053M-0001-SO**

Lab Sample ID: 240-18581-22 Date Sampled: 12/07/2012 1018
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	30.28 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 1149			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	64
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	54
Aroclor-1254		25	U	17	54
Aroclor-1260		25	U	17	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		40 - 140
DCB Decachlorobiphenyl	77		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0053M-0001-SO**

Lab Sample ID: 240-18581-22 Date Sampled: 12/07/2012 1018
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	30.28 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 1149			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		40 - 140
DCB Decachlorobiphenyl	77		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0054M-0001-SO**

Lab Sample ID: 240-18581-23 Date Sampled: 12/07/2012 1025
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	30.44 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 1205			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		24	U	16	49
Aroclor-1016		24	U	21	64
Aroclor-1232		24	U	14	44
Aroclor-1242		24	U	13	39
Aroclor-1248		24	U	17	54
Aroclor-1254		24	U	17	54
Aroclor-1260		24	U	17	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		40 - 140
DCB Decachlorobiphenyl	78		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0054M-0001-SO**

Lab Sample ID: 240-18581-23 Date Sampled: 12/07/2012 1025
Client Matrix: Solid Date Received: 12/08/2012 1120

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-69415	Initial Weight/Volume:	30.44 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	10 mL
Analysis Date:	12/21/2012 1205			Injection Volume:	1 uL
Prep Date:	12/19/2012 1221			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		40 - 140
DCB Decachlorobiphenyl	78		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8151/DOD Herbicides (GC)

Analysis Method:	8151/DOD	Analysis Batch:	240-69890	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-69221	Initial Weight/Volume:	30.09 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	100 mL
Analysis Date:	12/22/2012 1855			Injection Volume:	1 uL
Prep Date:	12/18/2012 1108			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
2,4-D		33	U	19	80
Dalapon		17	U	7.8	40
2,4-DB		33	U	21	80
Dicamba		17	U	8.1	40
Dichlorprop		66	U	37	80
Dinoseb		10	U	10	12
MCPA		3300	U	1600	8000
MCPP		3300	U	1500	8000
Pentachlorophenol		8.3	U	4.3	10
Silvex (2,4,5-TP)		8.3	U	4.1	20
2,4,5-T		8.3	U	3.7	20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	49		19 - 122

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8151/DOD Herbicides (GC)

Analysis Method:	8151/DOD	Analysis Batch:	240-69890	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-69221	Initial Weight/Volume:	30.09 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	100 mL
Analysis Date:	12/22/2012 1855			Injection Volume:	1 uL
Prep Date:	12/18/2012 1108			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	46		19 - 122

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-045M-0001-SO**

Lab Sample ID: 240-18581-4 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8151/DOD Herbicides (GC)

Analysis Method:	8151/DOD	Analysis Batch:	240-69890	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-69221	Initial Weight/Volume:	30.28 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	100 mL
Analysis Date:	12/22/2012 2005			Injection Volume:	1 uL
Prep Date:	12/18/2012 1108			Result Type:	PRIMARY
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
2,4-D		33	U	19	79
Dalapon		17	U	7.7	40
2,4-DB		33	U	21	79
Dicamba		17	U	8.0	40
Dichlorprop		66	U	36	79
Dinoseb		9.9	U	9.9	12
MCPA		3300	U	1600	7900
MCPP		3300	U	1500	7900
Pentachlorophenol		8.3	U	4.3	9.9
Silvex (2,4,5-TP)		8.3	U	4.1	20
2,4,5-T		8.3	U	3.7	20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	43		19 - 122

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-045M-0001-SO**

Lab Sample ID: 240-18581-4 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8151/DOD Herbicides (GC)

Analysis Method:	8151/DOD	Analysis Batch:	240-69890	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-69221	Initial Weight/Volume:	30.28 g
Dilution:	1.0	Leach Batch:	240-69073	Final Weight/Volume:	100 mL
Analysis Date:	12/22/2012 2005			Injection Volume:	1 uL
Prep Date:	12/18/2012 1108			Result Type:	SECONDARY
Leach Date:	12/10/2012 1600				

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	37		19 - 122

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-7855	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-7654	Lab File ID:	320-0001969-045-1.d
Dilution:	1.0			Initial Weight/Volume:	2.01 g
Analysis Date:	12/27/2012 0214			Final Weight/Volume:	10 mL
Prep Date:	12/20/2012 0942			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.040	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-7855	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-7654	Lab File ID:	320-0001969-048-1.d
Dilution:	1.0			Initial Weight/Volume:	1.99 g
Analysis Date:	12/27/2012 0257			Final Weight/Volume:	10 mL
Prep Date:	12/20/2012 0942			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.040	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-046M-0001-SO**

Lab Sample ID: 240-18581-5 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-7855	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-7654	Lab File ID:	320-0001969-049-1.d
Dilution:	1.0			Initial Weight/Volume:	2.06 g
Analysis Date:	12/27/2012 0311			Final Weight/Volume:	10 mL
Prep Date:	12/20/2012 0942			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.039	U	0.019	0.24

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-8012	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-7655	Initial Weight/Volume:	10.32 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/30/2012 0153			Injection Volume:	500 uL
Prep Date:	12/20/2012 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.048	U	0.012	0.24
1,3-Dinitrobenzene		0.048	U J	0.0041	0.24
2,4-Dinitrotoluene		0.048	U	0.0051	0.24
2,6-Dinitrotoluene		0.048	U J	0.0071	0.24
HMX		0.048	U J	0.012	0.24
Nitrobenzene		0.078	J	0.017	0.24
Nitroglycerin		0.24	U	0.015	0.48
2-Nitrotoluene		0.048	U J	0.013	0.24
3-Nitrotoluene		0.048	U	0.015	0.24
4-Nitrotoluene		0.048	U J	0.018	0.24
PETN		0.24	U	0.024	0.48
RDX		0.048	U	0.012	0.24
Tetryl		0.048	U	0.0097	0.24
1,3,5-Trinitrobenzene		0.048	U	0.0097	0.24
2,4,6-Trinitrotoluene		0.048	U	0.019	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	101		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-8144	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-7655	Initial Weight/Volume:	10.32 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	01/03/2013 0250			Injection Volume:	500 uL
Prep Date:	12/20/2012 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
4-Amino-2,6-dinitrotoluene		0.048	U	0.0097	0.24

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-8144	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-7655	Initial Weight/Volume:	10.32 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	01/03/2013 0250			Injection Volume:	500 uL
Prep Date:	12/20/2012 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	286	Q	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-8012	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-7655	Initial Weight/Volume:	10.41 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/30/2012 0354			Injection Volume:	500 uL
Prep Date:	12/20/2012 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.048	U	0.012	0.24
4-Amino-2,6-dinitrotoluene		0.048	U	0.0096	0.24
1,3-Dinitrobenzene		0.048	U	0.0040	0.24
2,4-Dinitrotoluene		0.048	U	0.0051	0.24
2,6-Dinitrotoluene		0.048	U	0.0070	0.24
HMX		0.048	U	0.012	0.24
Nitrobenzene		0.048	U	0.017	0.24
Nitroglycerin		0.24	U	0.014	0.48
2-Nitrotoluene		0.048	U	0.012	0.24
3-Nitrotoluene		0.048	U	0.015	0.24
4-Nitrotoluene		0.048	U	0.017	0.24
PETN		0.24	U	0.024	0.48
RDX		0.048	U	0.012	0.24
Tetryl		0.048	U	0.0096	0.24
1,3,5-Trinitrobenzene		0.048	U	0.0096	0.24
2,4,6-Trinitrotoluene		0.048	U	0.019	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	100		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-046M-0001-SO**

Lab Sample ID: 240-18581-5 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-8012	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-7655	Initial Weight/Volume:	10.05 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/30/2012 0435			Injection Volume:	500 uL
Prep Date:	12/20/2012 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.010	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0073	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.018	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.010	0.25
1,3,5-Trinitrobenzene		0.050	U	0.010	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	97		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.03 g
Analysis Date:	12/29/2012 0232			Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.033	J	0.011	0.097
Aluminum		12000		0.28	2.9
Arsenic		9.6		0.018	0.097
Barium		93	Q	0.010	0.97
Beryllium		0.69		0.0073	0.097
Calcium		7000		1.3	9.7
Cadmium		0.21		0.013	0.097
Chromium		17		0.022	0.19
Cobalt		13	Q	0.0023	0.049
Copper		19	Q	0.032	0.19
Iron		27000	B	1.0	4.9
Magnesium		4100		1.0	9.7
Manganese		510		0.015	0.49
Sodium		60		2.6	9.7
Nickel		26		0.011	0.097
Lead		14		0.015	0.097
Antimony		0.097	U	0.045	0.19
Thallium		0.16		0.0099	0.097
Vanadium		19		0.029	0.097
Zinc		57	Q	0.063	0.49
Potassium		1100		3.1	9.7
Selenium		0.54	Q	0.049	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-70191	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	0.63 g
Analysis Date:	12/26/2012 1728			Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.018	J	0.013	0.095

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	12/29/2012 0236			Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.023	J	0.011	0.098
Aluminum		10000		0.28	2.9
Arsenic		7.7		0.018	0.098
Barium		64	Q	0.010	0.98
Beryllium		0.68		0.0074	0.098
Calcium		7000		1.3	9.8
Cadmium		0.19		0.013	0.098
Chromium		14		0.022	0.20
Cobalt		8.2	Q	0.0024	0.049
Copper		15	Q	0.032	0.20
Iron		20000	B	1.1	4.9
Magnesium		3400		1.1	9.8
Manganese		340		0.016	0.49
Sodium		89		2.6	9.8
Nickel		19		0.011	0.098
Lead		12		0.015	0.098
Antimony		0.098	U	0.045	0.20
Thallium		0.13		0.010	0.098
Vanadium		14		0.029	0.098
Zinc		44	Q	0.064	0.49
Potassium		800		3.1	9.8
Selenium		0.47	J Q	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-70191	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	0.54 g
Analysis Date:	12/26/2012 1703			Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.017	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-046M-0001-SO**

Lab Sample ID: 240-18581-5 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.03 g
Analysis Date:	12/29/2012 0245			Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.026	J	0.011	0.097
Aluminum		6900		0.28	2.9
Arsenic		7.8		0.018	0.097
Barium		39	Q	0.010	0.97
Beryllium		0.35		0.0073	0.097
Calcium		1600		1.3	9.7
Cadmium		0.15		0.013	0.097
Chromium		9.8		0.022	0.19
Cobalt		5.5	Q	0.0023	0.049
Copper		14	Q	0.032	0.19
Iron		16000	B	1.0	4.9
Magnesium		1700		1.0	9.7
Manganese		220		0.015	0.49
Sodium		69		2.6	9.7
Nickel		12		0.011	0.097
Lead		12		0.015	0.097
Antimony		0.097	U	0.045	0.19
Thallium		0.098		0.0099	0.097
Vanadium		12		0.029	0.097
Zinc		37	Q	0.063	0.49
Potassium		630		3.1	9.7
Selenium		0.31	J Q	0.049	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-70191	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	0.68 g
Analysis Date:	12/26/2012 1707			Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.018	J	0.012	0.088

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-047M-0001-SO**

Lab Sample ID: 240-18581-6 Date Sampled: 12/07/2012 1050
Client Matrix: Solid Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	12/29/2012 0249			Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.029	J	0.011	0.10
Aluminum		9700		0.28	3.0
Arsenic		8.1		0.018	0.10
Barium		55	Q	0.011	1.0
Beryllium		0.49		0.0075	0.10
Calcium		1500		1.3	10
Cadmium		0.17		0.013	0.10
Chromium		14		0.022	0.20
Cobalt		7.6	Q	0.0024	0.050
Copper		16	Q	0.033	0.20
Iron		20000	B	1.1	5.0
Magnesium		2500		1.1	10
Manganese		270		0.016	0.50
Sodium		91		2.7	10
Nickel		17		0.011	0.10
Lead		14		0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.13		0.010	0.10
Vanadium		16		0.030	0.10
Zinc		45	Q	0.065	0.50
Potassium		850		3.2	10
Selenium		0.40	J Q	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-70191	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	0.66 g
Analysis Date:	12/26/2012 1714			Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.021	J	0.013	0.091

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0056-0001-SO**

Lab Sample ID: 240-18581-7 Date Sampled: 12/07/2012 1304
Client Matrix: Solid % Moisture: 12.3 Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59183	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	1.21 g
Analysis Date:	12/29/2012 0057			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1242				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.039	J	0.011	0.094
Aluminum		14000		0.27	2.8
Arsenic		11		0.017	0.094
Barium		150	Q	0.010	0.94
Beryllium		0.74		0.0071	0.094
Calcium		2100		1.2	9.4
Cadmium		0.24		0.012	0.094
Chromium		20		0.021	0.19
Cobalt		11	Q	0.0023	0.047
Copper		18	Q	0.031	0.19
Iron		27000		1.0	4.7
Magnesium		4800		1.0	9.4
Manganese		300		0.015	0.47
Sodium		110		2.5	9.4
Nickel		42		0.011	0.094
Lead		13		0.015	0.094
Antimony		0.078	J	0.043	0.19
Thallium		0.17		0.0096	0.094
Vanadium		21		0.028	0.094
Zinc		57	Q	0.061	0.47
Potassium		1500		3.0	9.4
Selenium		0.44	J Q	0.048	0.47

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-69324	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69021	Lab File ID:	121812A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.53 g
Analysis Date:	12/18/2012 1203			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1515				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.018	J	0.018	0.13

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0057-0001-SO**

Lab Sample ID: 240-18581-8 Date Sampled: 12/07/2012 1325
Client Matrix: Solid % Moisture: 13.0 Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59183	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	12/29/2012 0101			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1242				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.030	J	0.012	0.11
Aluminum		9600		0.31	3.3
Arsenic		12		0.020	0.11
Barium		41	Q	0.012	1.1
Beryllium		0.51		0.0081	0.11
Calcium		8200		1.4	11
Cadmium		0.18		0.014	0.11
Chromium		15		0.024	0.22
Cobalt		10	Q	0.0026	0.054
Copper		17	Q	0.036	0.22
Iron		24000		1.2	5.4
Magnesium		4400		1.2	11
Manganese		340		0.017	0.54
Sodium		58		2.9	11
Nickel		25		0.012	0.11
Lead		11		0.017	0.11
Antimony		0.056	J	0.050	0.22
Thallium		0.13		0.011	0.11
Vanadium		15		0.032	0.11
Zinc		53	Q	0.070	0.54
Potassium		1200		3.4	11
Selenium		0.43	J Q	0.055	0.54

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-69324	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69021	Lab File ID:	121812A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	12/18/2012 1207			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1515				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.018	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0058-0001-SO**

Lab Sample ID: 240-18581-9 Date Sampled: 12/07/2012 1335
Client Matrix: Solid % Moisture: 11.2 Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59183	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	1.30 g
Analysis Date:	12/29/2012 0106			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1242				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.031	J	0.0099	0.087
Aluminum		9200		0.25	2.6
Arsenic		13		0.016	0.087
Barium		40	Q	0.0093	0.87
Beryllium		0.52		0.0065	0.087
Calcium		3700		1.1	8.7
Cadmium		0.16		0.011	0.087
Chromium		15		0.019	0.17
Cobalt		9.7	Q	0.0021	0.043
Copper		18	Q	0.029	0.17
Iron		23000		0.93	4.3
Magnesium		4400		0.93	8.7
Manganese		280		0.014	0.43
Sodium		68		2.3	8.7
Nickel		23		0.0098	0.087
Lead		9.9		0.013	0.087
Antimony		0.061	J	0.040	0.17
Thallium		0.12		0.0088	0.087
Vanadium		14		0.026	0.087
Zinc		51	Q	0.056	0.43
Potassium		1200		2.7	8.7
Selenium		0.37	J Q	0.044	0.43

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-69324	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69021	Lab File ID:	121812A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Analysis Date:	12/18/2012 1151			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1515				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.020	J	0.018	0.13

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0059-0001-SO**

Lab Sample ID: 240-18581-10 Date Sampled: 12/07/2012 1337
Client Matrix: Solid % Moisture: 10.8 Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59183	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Analysis Date:	12/29/2012 0110			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1242				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.031	J	0.012	0.10
Aluminum		9700		0.30	3.1
Arsenic		13		0.019	0.10
Barium		47	Q	0.011	1.0
Beryllium		0.54		0.0078	0.10
Calcium		1800		1.4	10
Cadmium		0.20		0.014	0.10
Chromium		15		0.023	0.21
Cobalt		11	Q	0.0025	0.052
Copper		18	Q	0.034	0.21
Iron		24000		1.1	5.2
Magnesium		3400		1.1	10
Manganese		390		0.017	0.52
Sodium		60		2.8	10
Nickel		27		0.012	0.10
Lead		10		0.016	0.10
Antimony		0.077	J	0.048	0.21
Thallium		0.14		0.011	0.10
Vanadium		15		0.031	0.10
Zinc		58	Q	0.067	0.52
Potassium		1200		3.3	10
Selenium		0.31	J Q	0.053	0.52

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-69324	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69021	Lab File ID:	121812A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.56 g
Analysis Date:	12/18/2012 1137			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1515				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.019	J	0.017	0.12

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0060-0001-SO**

Lab Sample ID: 240-18581-11 Date Sampled: 12/07/2012 1345
Client Matrix: Solid % Moisture: 9.7 Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59183	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	1.13 g
Analysis Date:	12/29/2012 0130			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1242				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.025	J	0.011	0.098
Aluminum		9400		0.28	2.9
Arsenic		12		0.018	0.098
Barium		42	Q	0.010	0.98
Beryllium		0.52		0.0073	0.098
Calcium		1700		1.3	9.8
Cadmium		0.15		0.013	0.098
Chromium		14		0.022	0.20
Cobalt		9.4	Q	0.0024	0.049
Copper		18	Q	0.032	0.20
Iron		23000		1.1	4.9
Magnesium		3300		1.1	9.8
Manganese		290		0.016	0.49
Sodium		63		2.6	9.8
Nickel		23		0.011	0.098
Lead		10		0.015	0.098
Antimony		0.062	J	0.045	0.20
Thallium		0.16		0.010	0.098
Vanadium		14		0.029	0.098
Zinc		50	Q	0.063	0.49
Potassium		1200		3.1	9.8
Selenium		0.37	J Q	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-69324	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69021	Lab File ID:	121812A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	12/18/2012 1129			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1515				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.017	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0070-0001-SO**

Lab Sample ID: 240-18581-13 Date Sampled: 12/07/2012 1420
Client Matrix: Solid % Moisture: 11.0 Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59183	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	1.20 g
Analysis Date:	12/29/2012 0134			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1242				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.028	J	0.011	0.094
Aluminum		9600		0.27	2.8
Arsenic		12		0.017	0.094
Barium		29	Q	0.010	0.94
Beryllium		0.49		0.0070	0.094
Calcium		8200		1.2	9.4
Cadmium		0.13		0.012	0.094
Chromium		14		0.021	0.19
Cobalt		9.2	Q	0.0022	0.047
Copper		17	Q	0.031	0.19
Iron		23000		1.0	4.7
Magnesium		5800		1.0	9.4
Manganese		210		0.015	0.47
Sodium		71		2.5	9.4
Nickel		19		0.011	0.094
Lead		11		0.014	0.094
Antimony		0.053	J	0.043	0.19
Thallium		0.097		0.0095	0.094
Vanadium		14		0.028	0.094
Zinc		49	Q	0.061	0.47
Potassium		1600		3.0	9.4
Selenium		0.40	J Q	0.048	0.47

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-69324	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69021	Lab File ID:	121812A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.58 g
Analysis Date:	12/18/2012 1143			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1515				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.016	J	0.016	0.12

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0071-0001-SO**

Lab Sample ID: 240-18581-14 Date Sampled: 12/07/2012 1440
Client Matrix: Solid % Moisture: 12.0 Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59183	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	12/29/2012 0138			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1242				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.034	J	0.013	0.11
Aluminum		9700		0.32	3.4
Arsenic		15		0.020	0.11
Barium		31	Q	0.012	1.1
Beryllium		0.52		0.0084	0.11
Calcium		4300		1.5	11
Cadmium		0.15		0.015	0.11
Chromium		14		0.025	0.23
Cobalt		9.9	Q	0.0027	0.056
Copper		19	Q	0.037	0.23
Iron		26000		1.2	5.6
Magnesium		4500		1.2	11
Manganese		200		0.018	0.56
Sodium		53		3.0	11
Nickel		24		0.013	0.11
Lead		10		0.017	0.11
Antimony		0.065	J	0.052	0.23
Thallium		0.11		0.011	0.11
Vanadium		15		0.034	0.11
Zinc		57	Q	0.073	0.56
Potassium		1600		3.5	11
Selenium		0.38	J Q	0.057	0.56

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-69324	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69021	Lab File ID:	121812A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	12/18/2012 1147			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1515				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.017	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0072-0001-SO**

Lab Sample ID: 240-18581-15 Date Sampled: 12/07/2012 1455
Client Matrix: Solid % Moisture: 13.7 Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59183	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	12/29/2012 0143			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1242				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.032	J	0.012	0.10
Aluminum		9600		0.29	3.0
Arsenic		16		0.018	0.10
Barium		33	Q	0.011	1.0
Beryllium		0.51		0.0076	0.10
Calcium		11000		1.3	10
Cadmium		0.15		0.013	0.10
Chromium		14		0.023	0.20
Cobalt		10	Q	0.0024	0.051
Copper		18	Q	0.034	0.20
Iron		26000		1.1	5.1
Magnesium		4700		1.1	10
Manganese		310		0.016	0.51
Sodium		54		2.7	10
Nickel		24		0.011	0.10
Lead		11		0.016	0.10
Antimony		0.069	J	0.047	0.20
Thallium		0.11		0.010	0.10
Vanadium		14		0.030	0.10
Zinc		52	Q	0.066	0.51
Potassium		1600		3.2	10
Selenium		0.34	J Q	0.052	0.51

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-69324	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69021	Lab File ID:	121812A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Analysis Date:	12/18/2012 1145			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1515				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.045	U	0.019	0.14

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **072SB-0073-0001-SO**

Lab Sample ID: 240-18581-16 Date Sampled: 12/07/2012 1505
Client Matrix: Solid % Moisture: 12.7 Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59183	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	12/29/2012 0147			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1242				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.034	J	0.013	0.11
Aluminum		10000		0.32	3.3
Arsenic		15		0.020	0.11
Barium		32	Q	0.012	1.1
Beryllium		0.55		0.0083	0.11
Calcium		3700		1.5	11
Cadmium		0.16		0.015	0.11
Chromium		15		0.025	0.22
Cobalt		11	Q	0.0027	0.056
Copper		19	Q	0.037	0.22
Iron		26000		1.2	5.6
Magnesium		4600		1.2	11
Manganese		190		0.018	0.56
Sodium		56		3.0	11
Nickel		26		0.013	0.11
Lead		10		0.017	0.11
Antimony		0.060	J	0.051	0.22
Thallium		0.12		0.011	0.11
Vanadium		15		0.033	0.11
Zinc		59	Q	0.072	0.56
Potassium		1800		3.5	11
Selenium		0.42	J Q	0.057	0.56

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-69324	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69021	Lab File ID:	121812A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	12/18/2012 1127			Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1515				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.037	U	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SS-0048M-0001-SO**

Lab Sample ID: 240-18581-17 Date Sampled: 12/07/2012 1022
Client Matrix: Solid Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.04 g
Analysis Date:	12/29/2012 0253			Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.029	J	0.011	0.096
Aluminum		9600		0.27	2.9
Arsenic		8.8		0.017	0.096
Barium		64	Q	0.010	0.96
Beryllium		0.57		0.0072	0.096
Calcium		15000		1.3	9.6
Cadmium		0.17		0.013	0.096
Chromium		14		0.021	0.19
Cobalt		49	Q	0.0023	0.048
Copper		16	Q	0.032	0.19
Iron		21000	B	1.0	4.8
Magnesium		4300		1.0	9.6
Manganese		380		0.015	0.48
Sodium		150		2.6	9.6
Nickel		23		0.011	0.096
Lead		12		0.015	0.096
Antimony		0.096	U	0.044	0.19
Thallium		0.11		0.0098	0.096
Vanadium		13		0.029	0.096
Zinc		46	Q	0.062	0.48
Potassium		1300		3.0	9.6
Selenium		0.34	J Q	0.049	0.48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-70191	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	0.63 g
Analysis Date:	12/26/2012 1726			Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.031	U	0.013	0.095

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0049M-0001-SO**

Lab Sample ID: 240-18581-18 Date Sampled: 12/07/2012 1022
Client Matrix: Solid Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	12/29/2012 0258			Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.015	J	0.011	0.099
Aluminum		5800		0.28	3.0
Arsenic		5.8		0.018	0.099
Barium		31	Q	0.011	0.99
Beryllium		0.32		0.0074	0.099
Calcium		6800		1.3	9.9
Cadmium		0.098	J	0.013	0.099
Chromium		9.1		0.022	0.20
Cobalt		7.2	Q	0.0024	0.050
Copper		9.9	Q	0.033	0.20
Iron		14000	B	1.1	5.0
Magnesium		2700		1.1	9.9
Manganese		200		0.016	0.50
Sodium		74		2.6	9.9
Nickel		15		0.011	0.099
Lead		6.5		0.015	0.099
Antimony		0.099	U	0.045	0.20
Thallium		0.075	J	0.010	0.099
Vanadium		8.7		0.030	0.099
Zinc		27	Q	0.064	0.50
Potassium		920		3.1	9.9
Selenium		0.24	J Q	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-70191	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	0.66 g
Analysis Date:	12/26/2012 1708			Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.030	U	0.013	0.091

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0050M-0001-SO**

Lab Sample ID: 240-18581-19 Date Sampled: 12/07/2012 0925
Client Matrix: Solid Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	12/29/2012 0302			Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.018	J	0.011	0.10
Aluminum		8100		0.28	3.0
Arsenic		5.8		0.018	0.10
Barium		70	Q	0.011	1.0
Beryllium		0.52		0.0075	0.10
Calcium		6200		1.3	10
Cadmium		0.13		0.013	0.10
Chromium		12		0.022	0.20
Cobalt		28	Q	0.0024	0.050
Copper		12	Q	0.033	0.20
Iron		17000	B	1.1	5.0
Magnesium		3300		1.1	10
Manganese		280		0.016	0.50
Sodium		110		2.7	10
Nickel		22		0.011	0.10
Lead		8.2		0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.074	J	0.010	0.10
Vanadium		11		0.030	0.10
Zinc		34	Q	0.065	0.50
Potassium		1200		3.2	10
Selenium		0.33	J Q	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-70191	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	0.61 g
Analysis Date:	12/26/2012 1736			Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.032	U	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0051M-0001-SO**

Lab Sample ID: 240-18581-20 Date Sampled: 12/07/2012 0945
Client Matrix: Solid Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	12/29/2012 0306			Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.017	J	0.011	0.10
Aluminum		3900		0.28	3.0
Arsenic		1.8		0.018	0.10
Barium		33	Q	0.011	1.0
Beryllium		0.34		0.0075	0.10
Calcium		13000		1.3	10
Cadmium		0.12		0.013	0.10
Chromium		6.1		0.022	0.20
Cobalt		32	Q	0.0024	0.050
Copper		4.7	Q	0.033	0.20
Iron		5200	B	1.1	5.0
Magnesium		1800		1.1	10
Manganese		260		0.016	0.50
Sodium		110		2.7	10
Nickel		5.8		0.011	0.10
Lead		9.1		0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.030	J	0.010	0.10
Vanadium		4.7		0.030	0.10
Zinc		18	Q	0.065	0.50
Potassium		530		3.2	10
Selenium		0.26	J Q	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-70191	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	0.54 g
Analysis Date:	12/26/2012 1732			Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.037	U	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0052M-0001-SO**

Lab Sample ID: 240-18581-21 Date Sampled: 12/07/2012 1000
Client Matrix: Solid Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	12/29/2012 0311			Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.020	J	0.011	0.10
Aluminum		7700		0.28	3.0
Arsenic		8.0		0.018	0.10
Barium		43	Q	0.011	1.0
Beryllium		0.42		0.0075	0.10
Calcium		5100		1.3	10
Cadmium		0.13		0.013	0.10
Chromium		12		0.022	0.20
Cobalt		14	Q	0.0024	0.050
Copper		13	Q	0.033	0.20
Iron		18000	B	1.1	5.0
Magnesium		3200		1.1	10
Manganese		270		0.016	0.50
Sodium		76		2.7	10
Nickel		20		0.011	0.10
Lead		9.0		0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.097	J	0.010	0.10
Vanadium		11		0.030	0.10
Zinc		38	Q	0.065	0.50
Potassium		1100		3.2	10
Selenium		0.27	J Q	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-70191	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	0.60 g
Analysis Date:	12/26/2012 1718			Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.033	U	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0053M-0001-SO**

Lab Sample ID: 240-18581-22 Date Sampled: 12/07/2012 1018
Client Matrix: Solid Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	12/29/2012 0333			Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.017	J	0.011	0.098
Aluminum		7300		0.28	2.9
Arsenic		6.5		0.018	0.098
Barium		38	Q	0.010	0.98
Beryllium		0.38		0.0074	0.098
Calcium		11000		1.3	9.8
Cadmium		0.11		0.013	0.098
Chromium		12		0.022	0.20
Cobalt		8.6	Q	0.0024	0.049
Copper		13	Q	0.032	0.20
Iron		17000	B	1.1	4.9
Magnesium		3400		1.1	9.8
Manganese		220		0.016	0.49
Sodium		86		2.6	9.8
Nickel		19		0.011	0.098
Lead		7.6		0.015	0.098
Antimony		0.098	U	0.045	0.20
Thallium		0.091	J	0.010	0.098
Vanadium		11		0.029	0.098
Zinc		34	Q	0.064	0.49
Potassium		1100		3.1	9.8
Selenium		0.24	J Q	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-70191	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	0.64 g
Analysis Date:	12/26/2012 1730			Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.031	U	0.013	0.094

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Client Sample ID: **070SB-0054M-0001-SO**

Lab Sample ID: 240-18581-23 Date Sampled: 12/07/2012 1025
Client Matrix: Solid Date Received: 12/08/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59694	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	12/29/2012 0337			Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.027	J	0.011	0.099
Aluminum		10000		0.28	3.0
Arsenic		11		0.018	0.099
Barium		50	Q	0.011	0.99
Beryllium		0.55		0.0074	0.099
Calcium		16000		1.3	9.9
Cadmium		0.16		0.013	0.099
Chromium		16		0.022	0.20
Cobalt		12	Q	0.0024	0.050
Copper		18	Q	0.033	0.20
Iron		25000	B	1.1	5.0
Magnesium		5400		1.1	9.9
Manganese		310		0.016	0.50
Sodium		160		2.6	9.9
Nickel		26		0.011	0.099
Lead		11		0.015	0.099
Antimony		0.099	U	0.045	0.20
Thallium		0.13		0.010	0.099
Vanadium		15		0.030	0.099
Zinc		51	Q	0.064	0.50
Potassium		1400		3.1	9.9
Selenium		0.42	J Q	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-70191	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	0.60 g
Analysis Date:	12/26/2012 1716			Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	12/10/2012 1600				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.033	U	0.014	0.10

General Chemistry

Client Sample ID: **070SB-0042M-0001-SO**

Lab Sample ID: 240-18581-1 Date Sampled: 12/07/2012 1145
Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Nitrocellulose	7.5	J	mg/Kg	7.0	45	1.0	WS-WC-0050
Analysis Batch: 320-8137	Analysis Date: 12/20/2012 1310						DryWt Corrected: N
Prep Batch: 320-7638	Prep Date: 12/20/2012 0801						

General Chemistry

Client Sample ID: **070SB-043M-0001-SO**

Lab Sample ID: 240-18581-2 Date Sampled: 12/07/2012 1145

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N

General Chemistry

Client Sample ID: **070SB-044M-0001-SO**

Lab Sample ID: 240-18581-3 Date Sampled: 12/07/2012 1115
Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Nitrocellulose	8.3	J	mg/Kg	6.4	41	1.0	WS-WC-0050
Analysis Batch: 320-8137	Analysis Date: 12/20/2012 1312						DryWt Corrected: N
Prep Batch: 320-7638	Prep Date: 12/20/2012 0801						

General Chemistry

Client Sample ID: **070SB-045M-0001-SO**

Lab Sample ID: 240-18581-4 Date Sampled: 12/07/2012 1115

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N
Percent Moisture	1.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N

General Chemistry

Client Sample ID: **070SB-046M-0001-SO**

Lab Sample ID: 240-18581-5 Date Sampled: 12/07/2012 1050

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Nitrocellulose	8.2	J	mg/Kg	7.4	47	1.0	WS-WC-0050
Analysis Batch: 320-8137	Analysis Date: 12/20/2012 1314						DryWt Corrected: N
Prep Batch: 320-7638	Prep Date: 12/20/2012 0801						

General Chemistry

Client Sample ID: **070SB-047M-0001-SO**

Lab Sample ID: 240-18581-6 Date Sampled: 12/07/2012 1050

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N
Percent Moisture	1.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N

General Chemistry

Client Sample ID: **072SB-0056-0001-SO**

Lab Sample ID: 240-18581-7 Date Sampled: 12/07/2012 1304

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N

General Chemistry

Client Sample ID: **072SB-0057-0001-SO**

Lab Sample ID: 240-18581-8 Date Sampled: 12/07/2012 1325

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N

General Chemistry

Client Sample ID: **072SB-0058-0001-SO**

Lab Sample ID: 240-18581-9 Date Sampled: 12/07/2012 1335
Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N

General Chemistry

Client Sample ID: **072SB-0059-0001-SO**

Lab Sample ID: 240-18581-10 Date Sampled: 12/07/2012 1337

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N

General Chemistry

Client Sample ID: **072SB-0060-0001-SO**

Lab Sample ID: 240-18581-11 Date Sampled: 12/07/2012 1345

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	9.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N

General Chemistry

Client Sample ID: **072SB-0070-0001-SO**

Lab Sample ID: 240-18581-13 Date Sampled: 12/07/2012 1420

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N

General Chemistry

Client Sample ID: **072SB-0071-0001-SO**

Lab Sample ID: 240-18581-14 Date Sampled: 12/07/2012 1440

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N

General Chemistry

Client Sample ID: **072SB-0072-0001-SO**

Lab Sample ID: 240-18581-15 Date Sampled: 12/07/2012 1455

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N

General Chemistry

Client Sample ID: **072SB-0073-0001-SO**

Lab Sample ID: 240-18581-16 Date Sampled: 12/07/2012 1505

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-68426	Analysis Date: 12/12/2012 1652						DryWt Corrected: N

General Chemistry

Client Sample ID: **070SS-0048M-0001-SO**

Lab Sample ID: 240-18581-17 Date Sampled: 12/07/2012 1022

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N
Percent Moisture	1.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-18581-1

General Chemistry

Client Sample ID: **070SB-0049M-0001-SO**

Lab Sample ID: 240-18581-18 Date Sampled: 12/07/2012 1022

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N
Percent Moisture	0.89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-18581-1

General Chemistry

Client Sample ID: **070SB-0050M-0001-SO**

Lab Sample ID: 240-18581-19 Date Sampled: 12/07/2012 0925
Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N
Percent Moisture	1.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N

General Chemistry

Client Sample ID: **070SB-0051M-0001-SO**

Lab Sample ID: 240-18581-20 Date Sampled: 12/07/2012 0945

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N
Percent Moisture	0.76		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N

General Chemistry

Client Sample ID: **070SB-0052M-0001-SO**

Lab Sample ID: 240-18581-21 Date Sampled: 12/07/2012 1000

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N
Percent Moisture	1.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N

General Chemistry

Client Sample ID: **070SB-0053M-0001-SO**

Lab Sample ID: 240-18581-22 Date Sampled: 12/07/2012 1018

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N
Percent Moisture	1.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N

General Chemistry

Client Sample ID: **070SB-0054M-0001-SO**

Lab Sample ID: 240-18581-23 Date Sampled: 12/07/2012 1025

Client Matrix: Solid Date Received: 12/08/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N
Percent Moisture	1.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-69666	Analysis Date: 12/20/2012 1512						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
MRL 240-68879/5		99	102	97	102
MRL 240-68879/33		96	94	100	97
MRL 240-68905/5		98	98	98	100
MRL 240-68905/33		93	93	94	98

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-18581-1	070SB-0042M-0001-SO	86	89	88	89
240-18581-2	070SB-043M-0001-SO	95	96	99	93
240-18581-3	070SB-044M-0001-SO	89	87	103	72Q
240-18581-5	070SB-046M-0001-SO	89	87	93	89
240-18581-7	072SB-0056-0001-SO	89	95	87	93
240-18581-8	072SB-0057-0001-SO	96	99	92	96
240-18581-9	072SB-0058-0001-SO	90	96	89	91
240-18581-10	072SB-0059-0001-SO	90	92	88	94
240-18581-11	072SB-0060-0001-SO	94	98	89	95
240-18581-13	072SB-0070-0001-SO	93	98	90	95
240-18581-14	072SB-0071-0001-SO	92	97	89	90
240-18581-15	072SB-0072-0001-SO	88	96	87	90
240-18581-16	072SB-0073-0001-SO	91	97	91	92
MB 240-68879/7		99	100	102	100
MB 240-68905/7		98	102	98	98
LCS 240-68879/6		101	97	103	102
LCS 240-68905/6		103	103	102	101
240-18581-1 MS	070SB-0042M-0001-SO MS	91	88	98	87
240-18581-3 MS	070SB-044M-0001-SO MS	94	96	91	94
240-18581-5 MS	070SB-046M-0001-SO MS	98	100	95	99
240-18581-1 MSD	070SB-0042M-0001-SO MSD	95	96	96	95
240-18581-3 MSD	070SB-044M-0001-SO MSD	92	90	102	72Q
240-18581-5 MSD	070SB-046M-0001-SO MSD	92	91	89	94

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	59-138
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
MRL 240-68395/4		91	98	98	105
MRL 240-68395/22		91	95	98	104

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-18581-12	072SB-0061-0001-TB	90	96	95	100
240-18581-24	070SB-0074-0001-TB	92	95	97	104
MB 240-68395/6		90	95	98	102
LCS 240-68395/5		92	95	97	106

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
240-18581-1	070SB-0042M-0001-SO	68	66	52	54	60	64
240-18581-2	070SB-043M-0001-SO	62	61	39	47	58	54
240-18581-3	070SB-044M-0001-SO	58	55	42	46	55	54
240-18581-4	070SB-045M-0001-SO	65	59	45	50	57	62
240-18581-5	070SB-046M-0001-SO	66	59	45	46	54	63
240-18581-6	070SB-047M-0001-SO	67	61	47	48	59	59
240-18581-7	072SB-0056-0001-SO	74	73	57	56	56	73
240-18581-8	072SB-0057-0001-SO	67	69	55	56	59	73
240-18581-9	072SB-0058-0001-SO	65	64	51	49	54	68
240-18581-10	072SB-0059-0001-SO	70	69	54	54	53	67
240-18581-11	072SB-0060-0001-SO	75	74	59	59	59	76
240-18581-13	072SB-0070-0001-SO	72	70	56	56	61	68
240-18581-14	072SB-0071-0001-SO	66	67	53	50	52	66
240-18581-15	072SB-0072-0001-SO	68	69	54	52	55	65
240-18581-16	072SB-0073-0001-SO	71	71	55	52	47	67
240-18581-17	070SS-0048M-0001-SO	66	67	52	52	76	66
240-18581-18	070SB-0049M-0001-SO	69	66	53	52	73	66
240-18581-19	070SB-0050M-0001-SO	68	65	51	50	66	59
240-18581-20	070SB-0051M-0001-SO	55	53	39	44Q	48	53
240-18581-21	070SB-0052M-0001-SO	62	59	46	50	34Q	60
240-18581-22	070SB-0053M-0001-SO	59	57	39	47	43	53
240-18581-23	070SB-0054M-0001-SO	58	58	42	48	45	55

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl (Surr)	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
MB 240-69432/23-A		77	76	59	58	70	75
MB 240-69446/11-A		74	74	58	56	64	72
LCS 240-69432/24-A		79	78	64	62	80	73
LCS 240-69446/12-A		79	79	63	61	77	72
240-18581-1 MS	070SB-0042M-0001-SO MS	64	64	46	53	67	67
240-18581-3 MS	070SB-044M-0001-SO MS	58	57	46	44Q	55	59
240-18581-21 MS	070SB-0052M-0001-SO MS	59	57	46	50	46	57
240-18581-1 MSD	070SB-0042M-0001-SO MSD	57	56	42	50	62	64
240-18581-3 MSD	070SB-044M-0001-SO MSD	52	54	40	43Q	60	56
240-18581-21 MSD	070SB-0052M-0001-SO MSD	62	61	47	55	59	61

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl (Surr)	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
MRL 240-70417/4		105	106Q	104Q	100	104	103
MRL 240-70417/18		104	107Q	106Q	102	107	101
MRL 240-70582/4		104	103Q	101Q	103	106	100
MRL 240-70582/24		103	104Q	104Q	101	110	107

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
MRL 240-70078/3		107Q	104Q	100	102	106	102
MRL 240-70078/16		103	104Q	104Q	103	110	102

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TFT1 %Rec
240-18581-2	070SB-043M-0001-SO	80M
240-18581-7	072SB-0056-0001-SO	77
240-18581-8	072SB-0057-0001-SO	70
240-18581-9	072SB-0058-0001-SO	79
240-18581-10	072SB-0059-0001-SO	78
240-18581-11	072SB-0060-0001-SO	79
240-18581-13	072SB-0070-0001-SO	75
240-18581-14	072SB-0071-0001-SO	75
240-18581-15	072SB-0072-0001-SO	74
240-18581-16	072SB-0073-0001-SO	72
MB 240-69540/24		80
LCS 240-69540/25		84M

Surrogate	Acceptance Limits
TFT = Trifluorotoluene (Surr)	10-150

Client: Environmental Chemical Corp.

Job Number: 240-18581-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TFT1 %Rec
MRL 240-69540/23		78
MRL 240-69540/38		78

Surrogate	Acceptance Limits
TFT = Trifluorotoluene (Surr)	70-130

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8015B_DRO/DOD_Diesel Range Organics (DRO) (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	C9 %Rec
240-18581-1	070SB-0042M-0001-SO	42
240-18581-2	070SB-043M-0001-SO	63
240-18581-7	072SB-0056-0001-SO	44
240-18581-8	072SB-0057-0001-SO	48
240-18581-9	072SB-0058-0001-SO	52
240-18581-10	072SB-0059-0001-SO	40
240-18581-11	072SB-0060-0001-SO	53
240-18581-13	072SB-0070-0001-SO	52
240-18581-14	072SB-0071-0001-SO	52
240-18581-15	072SB-0072-0001-SO	55
240-18581-16	072SB-0073-0001-SO	49
MB 240-69404/17-A		55
MB 240-69794/6-A		62
LCS 240-69404/18-A		50
LCS 240-69794/7-A		67
240-18581-1 MS	070SB-0042M-0001-SO MS	42
240-18581-2 MS	070SB-043M-0001-SO MS	60
240-18581-1 MSD	070SB-0042M-0001-SO MSD	15
240-18581-2 MSD	070SB-043M-0001-SO MSD	51

Surrogate	Acceptance Limits
C9 = n-Nonane	10-110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8015B_DRO/DOD_Diesel Range Organics (DRO) (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	C9 %Rec
MRL 240-69606/4		76
MRL 240-69606/47		74

Surrogate	Acceptance Limits
C9 = n-Nonane	70-130

Client: Environmental Chemical Corp.

Job Number: 240-18581-1

Surrogate Recovery Report

8015B_DRO/DOD_Diesel Range Organics (DRO) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	C9 %Rec
MRL 240-70013/4		76
MRL 240-70013/31		77

Surrogate	Acceptance Limits
C9 = n-Nonane	70-130

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8081/DOD Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-18581-1	070SB-0042M-0001-SO	167Q	342Q	80M	105
240-18581-3	070SB-044M-0001-SO	110	110	92	94
240-18581-5	070SB-046M-0001-SO	1Q	2Q	2Q	2Q
MB 240-69426/6-A		103	107	104	88
LCS 240-69426/7-A		82	88	83	85
240-18581-1 MS	070SB-0042M-0001-SO MS	137Q	301Q	74	153Q
240-18581-1 MSD	070SB-0042M-0001-SO MSD	177Q	347Q	92M	93

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-18581-1	070SB-0042M-0001-SO	70	58	64	60
240-18581-3	070SB-044M-0001-SO	78	67	74	69
240-18581-5	070SB-046M-0001-SO	75	68	76	73
240-18581-6	070SB-047M-0001-SO	71	64	70	70
240-18581-17	070SS-0048M-0001-SO	78	816Q	85	74
240-18581-18	070SB-0049M-0001-SO	63	59	62	63
240-18581-19	070SB-0050M-0001-SO	81	80	71	71
240-18581-20	070SB-0051M-0001-SO	63	80	67	65
240-18581-21	070SB-0052M-0001-SO	77	70	70	69
240-18581-22	070SB-0053M-0001-SO	85	78	77	77
240-18581-23	070SB-0054M-0001-SO	84	80	78	78
MB 240-69415/23-A		103	89	87	88
MB 240-70113/18-A		139	82	76	75
MB 240-70774/19-A		89	75	76	62
LCS 240-69415/24-A		85	84	93	120M
LCS 240-70113/19-A		71	66	66	62
LCS 240-70774/18-A		86	76	80	60
240-18581-6 MS	070SB-047M-0001-SO MS	74	67	81	75
240-18581-6 MSD	070SB-047M-0001-SO MSD	63	60	63	59Q

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	60-125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
MRL 240-70882/27		0Q ^	0Q ^	117	105

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	50-150
TCX = Tetrachloro-m-xylene	50-150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
MRL 240-69717/10		121	117	106	109
MRL 240-69717/26		122	115	116	118
MRL 240-70556/4		120	105	131Q	119
MRL 240-70556/27		126	112	104	111
MRL 240-70882/4		114	99	122	113

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8151/DOD Herbicides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCPA1 %Rec	DCPA2 %Rec
240-18581-3	070SB-044M-0001-SO	46	49
240-18581-4	070SB-045M-0001-SO	37	43
MB 240-69221/23-A		73	80
LCS 240-69221/24-A		78	88
240-18581-3 MS	070SB-044M-0001-SO MS	67	67
240-18581-3 MSD	070SB-044M-0001-SO MSD	64	65

Surrogate	Acceptance Limits
DCPA = 2,4-Dichlorophenylacetic acid	19-122

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8151/DOD Herbicides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCPA1 %Rec	DCPA2 %Rec
MRL 240-69890/17		124Q	123Q
MRL 240-69890/46		136Q	133Q

Surrogate	Acceptance Limits
DCPA = 2,4-Dichlorophenylacetic acid	19-122

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate Recovery Report

8330B Nitroaromatics and Nitramines (HPLC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DNT1 %Rec	DNT2 %Rec
240-18581-1	070SB-0042M-0001-SO	101	
240-18581-1	070SB-0042M-0001-SO		286Q
240-18581-3	070SB-044M-0001-SO	100	
240-18581-5	070SB-046M-0001-SO	97	
MB 320-7655/1-A		96	
MB 320-7655/1-A			88M
LCS 320-7655/2-A		99	
240-18581-1 MS	070SB-0042M-0001-SO MS	101	
240-18581-1 MSD	070SB-0042M-0001-SO MSD	108	

Surrogate	Acceptance Limits
DNT = 3,4-Dinitrotoluene	78-118

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-68395

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 240-68395/6	Analysis Batch:	240-68395	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ8972.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/12/2012 1401	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/12/2012 1401				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1-Trichloroethane	0.25	U	0.22	1.0
1,1,2,2-Tetrachloroethane	0.25	U	0.18	1.0
1,1,2-Trichloroethane	0.50	U	0.27	1.0
1,1-Dichloroethane	0.25	U	0.15	1.0
1,1-Dichloroethene	0.25	U	0.19	1.0
1,2-Dichloroethane	0.25	U	0.22	1.0
1,2-Dichloroethene, Total	0.50	U	0.34	2.0
1,2-Dichloropropane	0.25	U	0.18	1.0
2-Butanone (MEK)	0.57	U	0.57	10
2-Hexanone	0.50	U	0.41	10
4-Methyl-2-pentanone (MIBK)	0.50	U	0.32	10
Acetone	1.1	U	1.1	10
Benzene	0.25	U	0.13	1.0
Bromoform	0.64	U	0.64	1.0
Bromomethane	0.50	U	0.41	1.0
Carbon disulfide	0.25	U	0.13	1.0
Carbon tetrachloride	0.25	U	0.13	1.0
Chlorobenzene	0.25	U	0.15	1.0
Bromodichloromethane	0.25	U	0.15	1.0
Chloromethane	0.50	U	0.30	1.0
cis-1,3-Dichloropropene	0.25	U	0.14	1.0
Dibromochloromethane	0.25	U	0.18	1.0
Ethylbenzene	0.25	U	0.17	1.0
Methyl tert-butyl ether	0.25	U	0.17	1.0
Methylene Chloride	0.691	J	0.33	1.0
Styrene	0.25	U	0.11	1.0
Tetrachloroethene	0.50	U	0.29	1.0
Toluene	0.25	U	0.13	1.0
Chloroform	0.25	U	0.16	1.0
Bromochloromethane	0.50	U	0.29	1.0
trans-1,3-Dichloropropene	0.25	U	0.19	1.0
1,2-Dibromoethane	0.25	U	0.24	1.0
Trichloroethene	0.25	U	0.17	1.0
Vinyl chloride	0.25	U	0.22	1.0
Xylenes, Total	0.75	U	0.28	2.0
Chloroethane	0.50	U	0.29	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	70 - 120
Toluene-d8 (Surr)	98	85 - 120
4-Bromofluorobenzene (Surr)	102	75 - 120
Dibromofluoromethane (Surr)	90	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-68395

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MRL 240-68395/4	Analysis Batch:	240-68395	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ8969.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/12/2012 1252	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	12/12/2012 1252				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00100	0.00112	112	70 - 130	
1,1,2,2-Tetrachloroethane	0.00100	0.00138	138	70 - 130	^
1,1,2-Trichloroethane	0.00100	0.00105	105	70 - 130	
1,1-Dichloroethane	0.00100	0.00113	113	70 - 130	
1,1-Dichloroethene	0.00100	0.00101	101	70 - 130	
1,2-Dichloroethane	0.00100	0.00110	110	70 - 130	
1,2-Dichloropropane	0.00100	0.00108	108	70 - 130	
2-Butanone (MEK)	0.0100	0.0109	109	70 - 130	
2-Hexanone	0.0100	0.0112	112	70 - 130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.0111	111	70 - 130	
Acetone	0.0100	0.00996	100	70 - 130	J
Benzene	0.00100	0.00112	112	70 - 130	
Bromoform	0.00100	0.000790	79	70 - 130	J
Bromomethane	0.00100	0.00110	110	70 - 130	
Carbon disulfide	0.00100	0.00102	102	70 - 130	
Carbon tetrachloride	0.00100	0.00103	103	70 - 130	
Chlorobenzene	0.00100	0.00105	105	70 - 130	
Bromodichloromethane	0.00100	0.00102	102	70 - 130	
Chloromethane	0.00100	0.00120	120	70 - 130	
cis-1,3-Dichloropropene	0.00100	0.000960	96	70 - 130	J
Dibromochloromethane	0.00100	0.000919	92	70 - 130	J
Ethylbenzene	0.00100	0.00102	102	70 - 130	
Methyl tert-butyl ether	0.00100	0.00106	106	70 - 130	
Methylene Chloride	0.00100	0.00165	165	70 - 130	^
Styrene	0.00100	0.00103	103	70 - 130	
Tetrachloroethene	0.00100	0.000880	88	70 - 130	J
Toluene	0.00100	0.00109	109	70 - 130	
Chloroform	0.00100	0.00108	108	70 - 130	
Bromochloromethane	0.00100	0.000955	95	70 - 130	J
trans-1,3-Dichloropropene	0.00100	0.00102	102	70 - 130	
Trichloroethene	0.00100	0.000942	94	70 - 130	J
Vinyl chloride	0.00100	0.00104	104	70 - 130	
Xylenes, Total	0.00300	0.00309	103	70 - 130	
Chloroethane	0.00100	0.00113	113	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	50 - 150
Toluene-d8 (Surr)	98	50 - 150
4-Bromofluorobenzene (Surr)	105	50 - 150
Dibromofluoromethane (Surr)	91	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Control Sample - Batch: 240-68395

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 240-68395/5	Analysis Batch:	240-68395	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ8970.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/12/2012 1315	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/12/2012 1315				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	10.2	102	65 - 130	
1,1,2,2-Tetrachloroethane	10.0	11.4	114	65 - 130	
1,1,2-Trichloroethane	10.0	10.7	107	75 - 125	
1,1-Dichloroethane	10.0	11.3	113	70 - 135	
1,1-Dichloroethene	10.0	10.8	108	70 - 130	
1,2-Dichloroethane	10.0	10.7	107	70 - 130	
1,2-Dichloropropane	10.0	11.0	110	75 - 125	
2-Butanone (MEK)	20.0	21.2	106	30 - 150	
2-Hexanone	20.0	22.3	111	55 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	21.9	110	60 - 135	
Acetone	20.0	18.2	91	40 - 140	
Benzene	10.0	10.5	105	80 - 120	
Bromoform	10.0	8.85	88	70 - 130	
Bromomethane	10.0	8.55	85	30 - 145	
Carbon disulfide	10.0	11.1	111	35 - 160	
Carbon tetrachloride	10.0	9.68	97	65 - 140	
Chlorobenzene	10.0	10.1	101	80 - 120	
Bromodichloromethane	10.0	10.4	104	75 - 120	
Chloromethane	10.0	10.3	103	40 - 125	
cis-1,3-Dichloropropene	10.0	10.0	100	70 - 130	
Dibromochloromethane	10.0	9.66	97	60 - 135	
Ethylbenzene	10.0	9.95	99	75 - 125	
Methyl tert-butyl ether	10.0	10.7	107	65 - 125	
Methylene Chloride	10.0	9.93	99	55 - 140	
Styrene	10.0	10.4	104	65 - 135	
Tetrachloroethene	10.0	8.63	86	45 - 150	
Toluene	10.0	10.1	101	75 - 120	
Chloroform	10.0	10.2	102	65 - 135	
Bromochloromethane	10.0	9.67	97	65 - 130	
trans-1,3-Dichloropropene	10.0	10.4	104	55 - 140	
Trichloroethene	10.0	9.40	94	70 - 125	
Vinyl chloride	10.0	9.88	99	50 - 145	
Xylenes, Total	30.0	30.5	102	75 - 130	
Chloroethane	10.0	10.1	101	60 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	70 - 120
Toluene-d8 (Surr)	97	85 - 120
4-Bromofluorobenzene (Surr)	106	75 - 120
Dibromofluoromethane (Surr)	92	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-68395

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MRL 240-68395/22	Analysis Batch:	240-68395	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ8988.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/12/2012 2004	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	12/12/2012 2004				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00100	0.00105	105	70 - 130	
1,1,2,2-Tetrachloroethane	0.00100	0.00125	125	70 - 130	
1,1,2-Trichloroethane	0.00100	0.00119	119	70 - 130	
1,1-Dichloroethane	0.00100	0.00118	118	70 - 130	
1,1-Dichloroethene	0.00100	0.000999	100	70 - 130	J
1,2-Dichloroethane	0.00100	0.00113	113	70 - 130	
1,2-Dichloropropane	0.00100	0.00121	121	70 - 130	
2-Butanone (MEK)	0.0100	0.00959	96	70 - 130	J
2-Hexanone	0.0100	0.0103	103	70 - 130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.0104	104	70 - 130	
Acetone	0.0100	0.00772	77	70 - 130	J
Benzene	0.00100	0.00117	117	70 - 130	
Bromoform	0.00100	0.000805	81	70 - 130	J
Bromomethane	0.00100	0.00110	110	70 - 130	
Carbon disulfide	0.00100	0.00102	102	70 - 130	
Carbon tetrachloride	0.00100	0.000965	97	70 - 130	J
Chlorobenzene	0.00100	0.00104	104	70 - 130	
Bromodichloromethane	0.00100	0.00105	105	70 - 130	
Chloromethane	0.00100	0.00125	125	70 - 130	
cis-1,3-Dichloropropene	0.00100	0.00105	105	70 - 130	
Dibromochloromethane	0.00100	0.000899	90	70 - 130	J
Ethylbenzene	0.00100	0.00108	108	70 - 130	
Methyl tert-butyl ether	0.00100	0.00113	113	70 - 130	
Methylene Chloride	0.00100	0.00145	145	70 - 130	^
Styrene	0.00100	0.00109	109	70 - 130	
Tetrachloroethene	0.00100	0.000929	93	70 - 130	J
Toluene	0.00100	0.00116	116	70 - 130	
Chloroform	0.00100	0.00113	113	70 - 130	
Bromochloromethane	0.00100	0.000992	99	70 - 130	J
trans-1,3-Dichloropropene	0.00100	0.00101	101	70 - 130	
Trichloroethene	0.00100	0.00102	102	70 - 130	
Vinyl chloride	0.00100	0.00115	115	70 - 130	
Xylenes, Total	0.00300	0.00327	109	70 - 130	
Chloroethane	0.00100	0.00109	109	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	50 - 150
Toluene-d8 (Surr)	98	50 - 150
4-Bromofluorobenzene (Surr)	104	50 - 150
Dibromofluoromethane (Surr)	91	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-68443

Method: 8260B/DoD
Preparation: 5035

MS Lab Sample ID:	240-18581-1	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-68443	Lab File ID:	UX82539.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	6.339 g
Analysis Date:	12/17/2012 0411			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				
Leach Date:	N/A				

MSD Lab Sample ID:	240-18581-1	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-68443	Lab File ID:	UX82540.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.823 g
Analysis Date:	12/17/2012 0432			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	108	104	70 - 135	4	30		
1,1,2,2-Tetrachloroethane	104	91	55 - 130	5	30		
1,1,2-Trichloroethane	118	98	60 - 125	10	30		
1,1-Dichloroethane	106	104	75 - 125	6	30		
1,1-Dichloroethene	111	110	65 - 135	7	30		
1,2-Dichloroethane	100	100	70 - 135	9	30		
1,2-Dichloropropane	104	104	70 - 120	9	30		
2-Butanone (MEK)	91	93	30 - 160	9	30		
2-Hexanone	91	98	45 - 145	16	30		
4-Methyl-2-pentanone (MIBK)	90	99	45 - 145	17	30		
Acetone	102	92	20 - 160	1	30		
Benzene	102	98	75 - 125	5	30		
Bromochloromethane	95	94	70 - 125	8	30		
Bromodichloromethane	99	98	70 - 130	7	30		
Bromoform	75	78	55 - 135	12	30		
Bromomethane	85	87	30 - 160	11	30		
Carbon disulfide	102	98	45 - 160	5	30		
Carbon tetrachloride	101	99	65 - 135	6	30		
Chlorobenzene	98	91	75 - 125	2	30		
Chloroethane	104	99	40 - 155	3	30		
Chloroform	99	96	70 - 125	5	30		
Chloromethane	98	92	50 - 130	2	30		
cis-1,3-Dichloropropene	92	94	70 - 125	11	30		
Dibromochloromethane	88	88	65 - 130	9	30		
Ethylbenzene	113	86	75 - 125	16	30		
Methyl tert-butyl ether	99	102	70 - 130	11	30		
Methylene Chloride	130	117	55 - 140	2	30		
Styrene	104	98	75 - 125	2	30		
Tetrachloroethene	103	95	65 - 140	1	30		
Toluene	107	100	70 - 125	2	30		
trans-1,3-Dichloropropene	83	82	65 - 125	7	30		
Trichloroethene	103	100	75 - 125	6	30		
Vinyl chloride	90	87	60 - 125	5	30		

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-68443

Method: 8260B/DoD
Preparation: 5035

MS Lab Sample ID:	240-18581-1	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-68443	Lab File ID:	UX82539.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	6.339 g
Analysis Date:	12/17/2012 0411			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				
Leach Date:	N/A				

MSD Lab Sample ID:	240-18581-1	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-68443	Lab File ID:	UX82540.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.823 g
Analysis Date:	12/17/2012 0432			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Xylenes, Total	120	86	75 - 125	19	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	96	61 - 130
4-Bromofluorobenzene (Surr)	87	95	85 - 120
Dibromofluoromethane (Surr)	91	95	59 - 138
Toluene-d8 (Surr)	98	96	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-68443

Method: 8260B/DoD
Preparation: 5035

MS Lab Sample ID:	240-18581-3	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-68443	Lab File ID:	UX82542.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	6.062 g
Analysis Date:	12/17/2012 0515			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				
Leach Date:	N/A				

MSD Lab Sample ID:	240-18581-3	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-68443	Lab File ID:	UX82543.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	6.004 g
Analysis Date:	12/17/2012 0536			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	92	109	70 - 135	18	30		
1,1,2,2-Tetrachloroethane	82	146	55 - 130	57	30		J
1,1,2-Trichloroethane	88	118	60 - 125	30	30		
1,1-Dichloroethane	92	107	75 - 125	16	30		
1,1-Dichloroethene	96	114	65 - 135	18	30		
1,2-Dichloroethane	95	103	70 - 135	9	30		
1,2-Dichloropropane	91	99	70 - 120	9	30		
2-Butanone (MEK)	78	86	30 - 160	9	30		
2-Hexanone	89	115	45 - 145	26	30		
4-Methyl-2-pentanone (MIBK)	96	99	45 - 145	3	30		
Acetone	42	68	20 - 160	20	30		
Benzene	84	98	75 - 125	15	30		
Bromoform	71	74	55 - 135	5	30		
Bromomethane	85	91	30 - 160	7	30		
Carbon disulfide	84	103	45 - 160	21	30		
Carbon tetrachloride	87	95	65 - 135	9	30		
Chlorobenzene	77	95	75 - 125	22	30		
Bromodichloromethane	92	99	70 - 130	8	30		
Chloromethane	86	93	50 - 130	10	30		
cis-1,3-Dichloropropene	86	91	70 - 125	7	30		
Dibromochloromethane	79	96	65 - 130	20	30		
Ethylbenzene	69	89	75 - 125	24	30	J	
Methyl tert-butyl ether	99	105	70 - 130	7	30		
Methylene Chloride	88	105	55 - 140	19	30		
Styrene	82	92	75 - 125	13	30		
Tetrachloroethene	77	95	65 - 140	23	30		
Toluene	79	106	70 - 125	26	30		
Chloroform	87	98	70 - 125	13	30		
Bromochloromethane	90	98	70 - 125	10	30		
trans-1,3-Dichloropropene	78	92	65 - 125	18	30		
Trichloroethene	87	103	75 - 125	18	30		
Vinyl chloride	80	87	60 - 125	9	30		
Chloroethane	96	111	40 - 155	15	30		

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-68443

Method: 8260B/DoD
Preparation: 5035

MS Lab Sample ID:	240-18581-3	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-68443	Lab File ID:	UX82542.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	6.062 g
Analysis Date:	12/17/2012 0515			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				
Leach Date:	N/A				

MSD Lab Sample ID:	240-18581-3	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-68443	Lab File ID:	UX82543.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	6.004 g
Analysis Date:	12/17/2012 0536			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Xylenes, Total	79	92	75 - 125	16	30		

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	90		61 - 130
Toluene-d8 (Surr)	91	102		85 - 115
4-Bromofluorobenzene (Surr)	94	72	Q	85 - 120
Dibromofluoromethane (Surr)	94	92		59 - 138

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-68443

Method: 8260B/DoD
Preparation: 5035

MS Lab Sample ID:	240-18581-5	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-68443	Lab File ID:	UX82545.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.225 g
Analysis Date:	12/17/2012 0619			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				
Leach Date:	N/A				

MSD Lab Sample ID:	240-18581-5	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-68443	Lab File ID:	UX82546.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.951 g
Analysis Date:	12/17/2012 0640			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	98	100	70 - 135	11	30		
1,1,2,2-Tetrachloroethane	91	87	55 - 130	17	30		
1,1,2-Trichloroethane	89	88	60 - 125	15	30		
1,1-Dichloroethane	96	99	75 - 125	9	30		
1,1-Dichloroethene	100	104	65 - 135	9	30		
1,2-Dichloroethane	95	95	70 - 135	13	30		
1,2-Dichloropropane	96	99	70 - 120	9	30		
2-Butanone (MEK)	96	85	30 - 160	22	30		
2-Hexanone	94	89	45 - 145	17	30		
4-Methyl-2-pentanone (MIBK)	103	93	45 - 145	23	30		
Acetone	128	95	20 - 160	32	30		J
Benzene	91	93	75 - 125	11	30		
Bromoform	77	75	55 - 135	15	30		
Bromomethane	81	87	30 - 160	6	30		
Carbon disulfide	89	90	45 - 160	11	30		
Carbon tetrachloride	95	98	65 - 135	10	30		
Chlorobenzene	84	88	75 - 125	7	30		
Bromodichloromethane	95	95	70 - 130	12	30		
Chloromethane	87	94	50 - 130	6	30		
cis-1,3-Dichloropropene	88	93	70 - 125	8	30		
Dibromochloromethane	86	88	65 - 130	11	30		
Ethylbenzene	89	89	75 - 125	13	30		
Methyl tert-butyl ether	101	101	70 - 130	14	30		
Methylene Chloride	63	73	55 - 140	2	30		
Styrene	91	95	75 - 125	9	30		
Tetrachloroethene	89	88	65 - 140	13	30		
Toluene	86	87	70 - 125	11	30		
Chloroform	90	92	70 - 125	11	30		
Bromochloromethane	92	91	70 - 125	14	30		
trans-1,3-Dichloropropene	77	80	65 - 125	10	30		
Trichloroethene	94	97	75 - 125	10	30		
Vinyl chloride	79	86	60 - 125	6	30		
Chloroethane	99	103	40 - 155	9	30		

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-68443

Method: 8260B/DoD
Preparation: 5035

MS Lab Sample ID:	240-18581-5	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-68443	Lab File ID:	UX82545.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.225 g
Analysis Date:	12/17/2012 0619			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				
Leach Date:	N/A				

MSD Lab Sample ID:	240-18581-5	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-68443	Lab File ID:	UX82546.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.951 g
Analysis Date:	12/17/2012 0640			Final Weight/Volume:	5 mL
Prep Date:	12/08/2012 1730				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Xylenes, Total	90	92	75 - 125	11	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	91	61 - 130
Toluene-d8 (Surr)	95	89	85 - 115
4-Bromofluorobenzene (Surr)	99	94	85 - 120
Dibromofluoromethane (Surr)	98	92	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-68443

Method: 8260B/DoD
Preparation: 5035

MS Lab Sample ID:	240-18581-1	Units:	ug/Kg	MSD Lab Sample ID:	240-18581-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/17/2012 0411			Analysis Date:	12/17/2012 0432
Prep Date:	12/08/2012 1730			Prep Date:	12/08/2012 1730
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	0.89	U	24.2	26.4	26.2	27.4
1,1,2,2-Tetrachloroethane	0.45	U	24.2	26.4	25.2	24.0
1,1,2-Trichloroethane	0.45	U	24.2	26.4	28.6	25.9
1,1-Dichloroethane	0.45	U	24.2	26.4	25.7	27.3
1,1-Dichloroethene	0.89	U	24.2	26.4	27.0	28.9
1,2-Dichloroethane	0.45	U	24.2	26.4	24.2	26.4
1,2-Dichloropropane	0.89	U	24.2	26.4	25.1	27.4
2-Butanone (MEK)	6.2	J	48.5	52.8	50.6	55.2
2-Hexanone	0.89	U	48.5	52.8	44.1	51.8
4-Methyl-2-pentanone (MIBK)	0.89	U	48.5	52.8	43.8	52.2
Acetone	24		48.5	52.8	73.8	73.2
Benzene	0.73	J	24.2	26.4	25.5	26.7
Bromochloromethane	0.89	U	24.2	26.4	22.9	24.9
Bromodichloromethane	0.45	U	24.2	26.4	24.0	25.8
Bromoform	0.45	U	24.2	26.4	18.3	20.6
Bromomethane	0.89	U	24.2	26.4	20.7	23.0
Carbon disulfide	0.45	U	24.2	26.4	24.7	25.9
Carbon tetrachloride	0.45	U	24.2	26.4	24.5	26.1
Chlorobenzene	0.45	U	24.2	26.4	23.7	24.1
Chloroethane	0.89	U	24.2	26.4	25.1	26.0
Chloroform	0.45	U	24.2	26.4	24.1	25.4
Chloromethane	0.45	U	24.2	26.4	23.8	24.2
cis-1,3-Dichloropropene	0.45	U	24.2	26.4	22.3	24.9
Dibromochloromethane	0.89	U	24.2	26.4	21.3	23.3
Ethylbenzene	4.7		24.2	26.4	32.1	27.3
Methyl tert-butyl ether	0.45	U	24.2	26.4	24.0	26.9
Methylene Chloride	0.89	U	24.2	26.4	31.6	31.0
Styrene	0.45	U	24.2	26.4	25.3	25.9
Tetrachloroethene	0.89	U	24.2	26.4	24.9	25.0
Toluene	2.7	J	24.2	26.4	28.8	29.2
trans-1,3-Dichloropropene	0.89	U	24.2	26.4	20.1	21.7
Trichloroethene	0.45	U	24.2	26.4	24.9	26.4
Vinyl chloride	0.45	U	24.2	26.4	21.8	23.1
Xylenes, Total	20		72.7	79.2	108	88.8

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-68443

Method: 8260B/DoD
Preparation: 5035

MS Lab Sample ID:	240-18581-3	Units:	ug/Kg	MSD Lab Sample ID:	240-18581-3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/17/2012 0515			Analysis Date:	12/17/2012 0536
Prep Date:	12/08/2012 1730			Prep Date:	12/08/2012 1730
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1-Trichloroethane	1.1	U	25.7	25.9	23.5		28.2	
1,1,2,2-Tetrachloroethane	0.57	U	25.7	25.9	21.0		37.9	J
1,1,2-Trichloroethane	0.57	U	25.7	25.9	22.7		30.7	
1,1-Dichloroethane	0.57	U	25.7	25.9	23.6		27.8	
1,1-Dichloroethene	1.1	U	25.7	25.9	24.7		29.5	
1,2-Dichloroethane	0.57	U	25.7	25.9	24.3		26.6	
1,2-Dichloropropane	1.1	U	25.7	25.9	23.5		25.7	
2-Butanone (MEK)	12	J	51.4	51.9	51.4		56.0	
2-Hexanone	1.8	J	51.4	51.9	47.2		61.4	
4-Methyl-2-pentanone (MIBK)	1.3	J	51.4	51.9	50.7		52.5	
Acetone	41		51.4	51.9	62.8		76.4	
Benzene	1.3	J	25.7	25.9	22.9		26.7	
Bromoform	0.57	U	25.7	25.9	18.3		19.2	
Bromomethane	1.1	U	25.7	25.9	21.9		23.6	
Carbon disulfide	0.57	U	25.7	25.9	21.5		26.6	
Carbon tetrachloride	0.57	U	25.7	25.9	22.4		24.6	
Chlorobenzene	0.57	U	25.7	25.9	19.8		24.7	
Bromodichloromethane	0.57	U	25.7	25.9	23.7		25.7	
Chloromethane	0.57	U	25.7	25.9	22.0		24.2	
cis-1,3-Dichloropropene	0.57	U	25.7	25.9	22.2		23.7	
Dibromochloromethane	1.1	U	25.7	25.9	20.3		24.8	
Ethylbenzene	1.8	J	25.7	25.9	19.5	J	24.9	
Methyl tert-butyl ether	0.57	U	25.7	25.9	25.4		27.2	
Methylene Chloride	1.1	U	25.7	25.9	22.5		27.2	
Styrene	0.57	U	25.7	25.9	21.1		23.9	
Tetrachloroethene	1.1	U	25.7	25.9	19.7		24.7	
Toluene	3.3	J	25.7	25.9	23.7		30.7	
Chloroform	0.57	U	25.7	25.9	22.4		25.5	
Bromochloromethane	1.1	U	25.7	25.9	23.1		25.5	
trans-1,3-Dichloropropene	1.1	U	25.7	25.9	20.0		24.0	
Trichloroethene	0.57	U	25.7	25.9	22.3		26.7	
Vinyl chloride	0.57	U	25.7	25.9	20.5		22.5	
Chloroethane	1.1	U	25.7	25.9	24.7		28.7	
Xylenes, Total	1.7	U	77.1	77.8	61.0		71.5	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-68443

Method: 8260B/DoD
Preparation: 5035

MS Lab Sample ID:	240-18581-5	Units:	ug/Kg	MSD Lab Sample ID:	240-18581-5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/17/2012 0619			Analysis Date:	12/17/2012 0640
Prep Date:	12/08/2012 1730			Prep Date:	12/08/2012 1730
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
1,1,1-Trichloroethane	1.0	U	27.3	23.9	26.8	23.9	
1,1,2,2-Tetrachloroethane	0.52	U	27.3	23.9	24.8	20.9	
1,1,2-Trichloroethane	0.52	U	27.3	23.9	24.4	21.0	
1,1-Dichloroethane	0.52	U	27.3	23.9	26.2	23.8	
1,1-Dichloroethene	1.0	U	27.3	23.9	27.2	24.9	
1,2-Dichloroethane	0.52	U	27.3	23.9	26.0	22.8	
1,2-Dichloropropane	1.0	U	27.3	23.9	26.1	23.8	
2-Butanone (MEK)	4.6	J	54.5	47.9	56.7	45.3	
2-Hexanone	2.3	J	54.5	47.9	53.5	45.0	
4-Methyl-2-pentanone (MIBK)	1.0	J	54.5	47.9	56.9	45.3	
Acetone	19	J	54.5	47.9	88.8	64.1	J
Benzene	0.40	J	27.3	23.9	25.2	22.6	
Bromoform	0.52	U	27.3	23.9	21.0	18.0	
Bromomethane	1.0	U	27.3	23.9	22.0	20.8	
Carbon disulfide	0.63	J	27.3	23.9	24.8	22.3	
Carbon tetrachloride	0.52	U	27.3	23.9	26.0	23.5	
Chlorobenzene	0.52	U	27.3	23.9	22.8	21.1	
Bromodichloromethane	0.52	U	27.3	23.9	25.8	22.8	
Chloromethane	0.52	U	27.3	23.9	23.8	22.4	
cis-1,3-Dichloropropene	0.52	U	27.3	23.9	24.1	22.2	
Dibromochloromethane	1.0	U	27.3	23.9	23.4	21.0	
Ethylbenzene	0.52	U	27.3	23.9	24.1	21.2	
Methyl tert-butyl ether	0.52	U	27.3	23.9	27.6	24.1	
Methylene Chloride	8.0		27.3	23.9	25.1	25.6	
Styrene	0.52	U	27.3	23.9	24.9	22.7	
Tetrachloroethene	1.0	U	27.3	23.9	24.2	21.2	
Toluene	2.5	J	27.3	23.9	26.1	23.3	
Chloroform	0.52	U	27.3	23.9	24.7	22.0	
Bromochloromethane	1.0	U	27.3	23.9	25.1	21.9	
trans-1,3-Dichloropropene	1.0	U	27.3	23.9	21.1	19.2	
Trichloroethene	0.52	U	27.3	23.9	25.6	23.3	
Vinyl chloride	0.52	U	27.3	23.9	21.7	20.5	
Chloroethane	1.0	U	27.3	23.9	27.0	24.6	
Xylenes, Total	1.6	U	81.8	71.8	73.9	65.9	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-68879

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MB 240-68879/7	Analysis Batch:	240-68879	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX82498.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/15/2012 1902	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1-Trichloroethane	1.0	U	0.56	5.0
1,1,2,2-Tetrachloroethane	0.50	U	0.34	5.0
1,1,2-Trichloroethane	0.50	U	0.39	5.0
1,1-Dichloroethane	0.50	U	0.36	5.0
1,1-Dichloroethene	1.0	U	0.52	5.0
1,2-Dichloroethane	0.50	U	0.34	5.0
1,2-Dichloroethene, Total	1.0	U	0.77	10
1,2-Dichloropropane	1.0	U	0.69	5.0
2-Butanone (MEK)	2.0	U	1.4	20
2-Hexanone	1.84	J	0.63	20
4-Methyl-2-pentanone (MIBK)	1.04	J	0.54	20
Acetone	7.05	J	6.3	20
Benzene	0.50	U	0.23	5.0
Bromoform	0.50	U	0.33	5.0
Bromomethane	1.0	U	0.54	5.0
Carbon disulfide	0.50	U	0.44	5.0
Carbon tetrachloride	0.50	U	0.37	5.0
Chlorobenzene	0.50	U	0.33	5.0
Bromodichloromethane	0.50	U	0.28	5.0
Chloromethane	0.50	U	0.41	5.0
cis-1,3-Dichloropropene	0.50	U	0.34	5.0
Dibromochloromethane	1.0	U	0.55	5.0
Ethylbenzene	0.50	U	0.26	5.0
Methyl tert-butyl ether	0.50	U	0.43	5.0
Methylene Chloride	1.35	J	0.67	5.0
Styrene	0.50	U	0.15	5.0
Tetrachloroethene	1.0	U	0.52	5.0
Toluene	0.50	U	0.27	5.0
Chloroform	0.50	U	0.29	5.0
Bromochloromethane	1.0	U	0.71	5.0
trans-1,3-Dichloropropene	1.0	U	0.54	5.0
1,2-Dibromoethane	1.0	U	0.50	5.0
Trichloroethene	0.50	U	0.42	5.0
Vinyl chloride	0.50	U	0.39	5.0
Xylenes, Total	1.5	U	0.67	10
Chloroethane	1.0	U	0.86	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	61 - 130
Toluene-d8 (Surr)	102	85 - 115
4-Bromofluorobenzene (Surr)	100	85 - 120
Dibromofluoromethane (Surr)	99	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-68879

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-68879/5	Analysis Batch:	240-68879	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX82496.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/15/2012 1819	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00500	0.00498	100	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00538	108	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00522	104	70 - 130	
1,1-Dichloroethane	0.00500	0.00516	103	70 - 130	
1,1-Dichloroethene	0.00500	0.00516	103	70 - 130	
1,2-Dichloroethane	0.00500	0.00535	107	70 - 130	
1,2-Dichloropropane	0.00500	0.00525	105	70 - 130	
2-Butanone (MEK)	0.0100	0.0113	113	70 - 130	
2-Hexanone	0.0100	0.00956	96	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00965	96	70 - 130	J
Acetone	0.0100	0.00955	95	70 - 130	J
Benzene	0.00500	0.00532	106	70 - 130	
Bromoform	0.00500	0.00449	90	70 - 130	
Bromomethane	0.00500	0.00530	106	70 - 130	
Carbon disulfide	0.00500	0.00472	94	70 - 130	
Carbon tetrachloride	0.00500	0.00501	100	70 - 130	
Chlorobenzene	0.00500	0.00517	103	70 - 130	
Bromodichloromethane	0.00500	0.00491	98	70 - 130	
Chloromethane	0.00500	0.00517	103	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00440	88	70 - 130	
Dibromochloromethane	0.00500	0.00416	83	70 - 130	
Ethylbenzene	0.00500	0.00500	100	70 - 130	
Methyl tert-butyl ether	0.00500	0.00507	101	70 - 130	
Methylene Chloride	0.00500	0.00547	109	70 - 130	
Styrene	0.00500	0.00490	98	70 - 130	
Tetrachloroethene	0.00500	0.00485	97	70 - 130	
Toluene	0.00500	0.00505	101	70 - 130	
Chloroform	0.00500	0.00509	102	70 - 130	
Bromochloromethane	0.00500	0.00522	104	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00432	86	70 - 130	
Trichloroethene	0.00500	0.00534	107	70 - 130	
Vinyl chloride	0.00500	0.00556	111	70 - 130	
Xylenes, Total	0.0150	0.0156	104	70 - 130	
Chloroethane	0.00500	0.00523	105	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	50 - 150
Toluene-d8 (Surr)	97	50 - 150
4-Bromofluorobenzene (Surr)	102	50 - 150
Dibromofluoromethane (Surr)	99	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Control Sample - Batch: 240-68879

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	LCS 240-68879/6	Analysis Batch:	240-68879	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX82497.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/15/2012 1840	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	25.0	27.4	109	70 - 135	
1,1,2,2-Tetrachloroethane	25.0	24.5	98	55 - 130	
1,1,2-Trichloroethane	25.0	25.2	101	60 - 125	
1,1-Dichloroethane	25.0	27.0	108	75 - 125	
1,1-Dichloroethene	25.0	29.5	118	65 - 135	
1,2-Dichloroethane	25.0	26.1	104	70 - 135	
1,2-Dichloropropane	25.0	26.6	107	70 - 120	
2-Butanone (MEK)	50.0	43.0	86	30 - 160	
2-Hexanone	50.0	41.9	84	45 - 145	
4-Methyl-2-pentanone (MIBK)	50.0	44.6	89	45 - 145	
Acetone	50.0	52.1	104	20 - 160	
Benzene	25.0	27.1	109	75 - 125	
Bromoform	25.0	20.9	84	55 - 135	
Bromomethane	25.0	21.7	87	30 - 160	
Carbon disulfide	25.0	27.2	109	45 - 160	
Carbon tetrachloride	25.0	27.7	111	65 - 135	
Chlorobenzene	25.0	26.4	106	75 - 125	
Bromodichloromethane	25.0	27.4	110	70 - 130	
Chloromethane	25.0	25.2	101	50 - 130	
cis-1,3-Dichloropropene	25.0	25.3	101	70 - 125	
Dibromochloromethane	25.0	24.7	99	65 - 130	
Ethylbenzene	25.0	27.2	109	75 - 125	
Methyl tert-butyl ether	25.0	25.2	101	70 - 130	
Methylene Chloride	25.0	28.3	113	55 - 140	
Styrene	25.0	28.7	115	75 - 125	
Tetrachloroethene	25.0	26.3	105	65 - 140	
Toluene	25.0	25.9	104	70 - 125	
Chloroform	25.0	26.5	106	70 - 125	
Bromochloromethane	25.0	24.9	100	70 - 125	
trans-1,3-Dichloropropene	25.0	22.6	90	65 - 125	
Trichloroethene	25.0	27.4	109	75 - 125	
Vinyl chloride	25.0	25.7	103	60 - 125	
Xylenes, Total	75.0	81.4	109	75 - 125	
Chloroethane	25.0	23.7	95	40 - 155	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	61 - 130
Toluene-d8 (Surr)	103	85 - 115
4-Bromofluorobenzene (Surr)	102	85 - 120
Dibromofluoromethane (Surr)	101	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-68879 **Method: 8260B/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-68879/33	Analysis Batch:	240-68879	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX82524.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/16/2012 0426	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00500	0.00484	97	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00518	104	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00509	102	70 - 130	
1,1-Dichloroethane	0.00500	0.00505	101	70 - 130	
1,1-Dichloroethene	0.00500	0.00512	102	70 - 130	
1,2-Dichloroethane	0.00500	0.00523	105	70 - 130	
1,2-Dichloropropane	0.00500	0.00496	99	70 - 130	
2-Butanone (MEK)	0.0100	0.00907	91	70 - 130	J
2-Hexanone	0.0100	0.00795	79	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00784	78	70 - 130	J
Acetone	0.0100	0.00900	90	70 - 130	J
Benzene	0.00500	0.00506	101	70 - 130	
Bromoform	0.00500	0.00417	83	70 - 130	
Bromomethane	0.00500	0.00514	103	70 - 130	
Carbon disulfide	0.00500	0.00463	93	70 - 130	
Carbon tetrachloride	0.00500	0.00462	92	70 - 130	
Chlorobenzene	0.00500	0.00503	101	70 - 130	
Bromodichloromethane	0.00500	0.00454	91	70 - 130	
Chloromethane	0.00500	0.00520	104	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00402	80	70 - 130	
Dibromochloromethane	0.00500	0.00420	84	70 - 130	
Ethylbenzene	0.00500	0.00500	100	70 - 130	
Methyl tert-butyl ether	0.00500	0.00464	93	70 - 130	
Methylene Chloride	0.00500	0.00649	130	70 - 130	
Styrene	0.00500	0.00461	92	70 - 130	
Tetrachloroethene	0.00500	0.00465	93	70 - 130	
Toluene	0.00500	0.00513	103	70 - 130	
Chloroform	0.00500	0.00516	103	70 - 130	
Bromochloromethane	0.00500	0.00497	99	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00419	84	70 - 130	
Trichloroethene	0.00500	0.00506	101	70 - 130	
Vinyl chloride	0.00500	0.00542	108	70 - 130	
Xylenes, Total	0.0150	0.0144	96	70 - 130	
Chloroethane	0.00500	0.00447	89	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	50 - 150
Toluene-d8 (Surr)	100	50 - 150
4-Bromofluorobenzene (Surr)	97	50 - 150
Dibromofluoromethane (Surr)	96	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-68905

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MB 240-68905/7	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX82531.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/17/2012 0109	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1-Trichloroethane	1.0	U	0.56	5.0
1,1,2,2-Tetrachloroethane	0.50	U	0.34	5.0
1,1,2-Trichloroethane	0.50	U	0.39	5.0
1,1-Dichloroethane	0.50	U	0.36	5.0
1,1-Dichloroethene	1.0	U	0.52	5.0
1,2-Dichloroethane	0.50	U	0.34	5.0
1,2-Dichloroethene, Total	1.0	U	0.77	10
1,2-Dichloropropane	1.0	U	0.69	5.0
2-Butanone (MEK)	2.0	U	1.4	20
2-Hexanone	2.37	J	0.63	20
4-Methyl-2-pentanone (MIBK)	1.41	J	0.54	20
Acetone	6.3	U	6.3	20
Benzene	0.50	U	0.23	5.0
Bromoform	0.50	U	0.33	5.0
Bromomethane	1.0	U	0.54	5.0
Carbon disulfide	0.50	U	0.44	5.0
Carbon tetrachloride	0.50	U	0.37	5.0
Chlorobenzene	0.50	U	0.33	5.0
Bromodichloromethane	0.50	U	0.28	5.0
Chloromethane	0.50	U	0.41	5.0
cis-1,3-Dichloropropene	0.50	U	0.34	5.0
Dibromochloromethane	1.0	U	0.55	5.0
Ethylbenzene	0.50	U	0.26	5.0
Methyl tert-butyl ether	0.50	U	0.43	5.0
Methylene Chloride	1.73	J	0.67	5.0
Styrene	0.50	U	0.15	5.0
Tetrachloroethene	1.0	U	0.52	5.0
Toluene	0.50	U	0.27	5.0
Chloroform	0.50	U	0.29	5.0
Bromochloromethane	1.0	U	0.71	5.0
trans-1,3-Dichloropropene	1.0	U	0.54	5.0
1,2-Dibromoethane	1.0	U	0.50	5.0
Trichloroethene	0.50	U	0.42	5.0
Vinyl chloride	0.50	U	0.39	5.0
Xylenes, Total	1.5	U	0.67	10
Chloroethane	1.0	U	0.86	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	61 - 130
Toluene-d8 (Surr)	98	85 - 115
4-Bromofluorobenzene (Surr)	98	85 - 120
Dibromofluoromethane (Surr)	98	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-68905

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-68905/5	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX82529.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/17/2012 0026	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00500	0.00597	119	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00532	106	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00519	104	70 - 130	
1,1-Dichloroethane	0.00500	0.00540	108	70 - 130	
1,1-Dichloroethene	0.00500	0.00576	115	70 - 130	
1,2-Dichloroethane	0.00500	0.00574	115	70 - 130	
1,2-Dichloropropane	0.00500	0.00545	109	70 - 130	
2-Butanone (MEK)	0.0100	0.00944	94	70 - 130	J
2-Hexanone	0.0100	0.00682	68	70 - 130	J ^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00726	73	70 - 130	J
Acetone	0.0100	0.00786	79	70 - 130	J
Benzene	0.00500	0.00565	113	70 - 130	
Bromoform	0.00500	0.00458	92	70 - 130	
Bromomethane	0.00500	0.00534	107	70 - 130	
Carbon disulfide	0.00500	0.00531	106	70 - 130	
Carbon tetrachloride	0.00500	0.00578	116	70 - 130	
Chlorobenzene	0.00500	0.00571	114	70 - 130	
Bromodichloromethane	0.00500	0.00555	111	70 - 130	
Chloromethane	0.00500	0.00541	108	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00470	94	70 - 130	
Dibromochloromethane	0.00500	0.00457	91	70 - 130	
Ethylbenzene	0.00500	0.00556	111	70 - 130	
Methyl tert-butyl ether	0.00500	0.00505	101	70 - 130	
Methylene Chloride	0.00500	0.00619	124	70 - 130	
Styrene	0.00500	0.00539	108	70 - 130	
Tetrachloroethene	0.00500	0.00581	116	70 - 130	
Toluene	0.00500	0.00559	112	70 - 130	
Chloroform	0.00500	0.00559	112	70 - 130	
Bromochloromethane	0.00500	0.00560	112	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00457	91	70 - 130	
Trichloroethene	0.00500	0.00544	109	70 - 130	
Vinyl chloride	0.00500	0.00537	107	70 - 130	
Xylenes, Total	0.0150	0.0170	113	70 - 130	
Chloroethane	0.00500	0.00498	100	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	50 - 150
Toluene-d8 (Surr)	98	50 - 150
4-Bromofluorobenzene (Surr)	100	50 - 150
Dibromofluoromethane (Surr)	98	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Control Sample - Batch: 240-68905

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	LCS 240-68905/6	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX82530.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/17/2012 0047	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	25.0	29.9	120	70 - 135	
1,1,2,2-Tetrachloroethane	25.0	26.8	107	55 - 130	
1,1,2-Trichloroethane	25.0	26.2	105	60 - 125	
1,1-Dichloroethane	25.0	28.3	113	75 - 125	
1,1-Dichloroethene	25.0	30.6	122	65 - 135	
1,2-Dichloroethane	25.0	28.1	112	70 - 135	
1,2-Dichloropropane	25.0	27.6	110	70 - 120	
2-Butanone (MEK)	50.0	49.5	99	30 - 160	
2-Hexanone	50.0	47.9	96	45 - 145	
4-Methyl-2-pentanone (MIBK)	50.0	50.2	100	45 - 145	
Acetone	50.0	60.3	121	20 - 160	
Benzene	25.0	27.7	111	75 - 125	
Bromoform	25.0	24.2	97	55 - 135	
Bromomethane	25.0	22.6	91	30 - 160	
Carbon disulfide	25.0	29.1	116	45 - 160	
Carbon tetrachloride	25.0	30.7	123	65 - 135	
Chlorobenzene	25.0	26.2	105	75 - 125	
Bromodichloromethane	25.0	28.9	116	70 - 130	
Chloromethane	25.0	26.3	105	50 - 130	
cis-1,3-Dichloropropene	25.0	26.1	104	70 - 125	
Dibromochloromethane	25.0	26.6	107	65 - 130	
Ethylbenzene	25.0	26.8	107	75 - 125	
Methyl tert-butyl ether	25.0	27.4	110	70 - 130	
Methylene Chloride	25.0	30.5	122	55 - 140	
Styrene	25.0	28.4	114	75 - 125	
Tetrachloroethene	25.0	25.9	104	65 - 140	
Toluene	25.0	26.1	105	70 - 125	
Chloroform	25.0	27.2	109	70 - 125	
Bromochloromethane	25.0	27.1	108	70 - 125	
trans-1,3-Dichloropropene	25.0	23.8	95	65 - 125	
Trichloroethene	25.0	27.1	108	75 - 125	
Vinyl chloride	25.0	25.6	102	60 - 125	
Xylenes, Total	75.0	81.7	109	75 - 125	
Chloroethane	25.0	26.0	104	40 - 155	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	61 - 130
Toluene-d8 (Surr)	102	85 - 115
4-Bromofluorobenzene (Surr)	101	85 - 120
Dibromofluoromethane (Surr)	103	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-68905

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-68905/33	Analysis Batch:	240-68905	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX82557.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/17/2012 1034	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00500	0.00505	101	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00535	107	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00516	103	70 - 130	
1,1-Dichloroethane	0.00500	0.00547	109	70 - 130	
1,1-Dichloroethene	0.00500	0.00506	101	70 - 130	
1,2-Dichloroethane	0.00500	0.00571	114	70 - 130	
1,2-Dichloropropane	0.00500	0.00543	109	70 - 130	
2-Butanone (MEK)	0.0100	0.0105	105	70 - 130	
2-Hexanone	0.0100	0.00961	96	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00997	100	70 - 130	J
Acetone	0.0100	0.00927	93	70 - 130	J
Benzene	0.00500	0.00535	107	70 - 130	
Bromoform	0.00500	0.00430	86	70 - 130	
Bromomethane	0.00500	0.00601	120	70 - 130	
Carbon disulfide	0.00500	0.00459	92	70 - 130	
Carbon tetrachloride	0.00500	0.00475	95	70 - 130	
Chlorobenzene	0.00500	0.00546	109	70 - 130	
Bromodichloromethane	0.00500	0.00491	98	70 - 130	
Chloromethane	0.00500	0.00535	107	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00453	91	70 - 130	
Dibromochloromethane	0.00500	0.00426	85	70 - 130	
Ethylbenzene	0.00500	0.00518	104	70 - 130	
Methyl tert-butyl ether	0.00500	0.00525	105	70 - 130	
Methylene Chloride	0.00500	0.00675	135	70 - 130	^
Styrene	0.00500	0.00531	106	70 - 130	
Tetrachloroethene	0.00500	0.00505	101	70 - 130	
Toluene	0.00500	0.00530	106	70 - 130	
Chloroform	0.00500	0.00541	108	70 - 130	
Bromochloromethane	0.00500	0.00534	107	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00455	91	70 - 130	
Trichloroethene	0.00500	0.00551	110	70 - 130	
Vinyl chloride	0.00500	0.00492	98	70 - 130	
Xylenes, Total	0.0150	0.0161	108	70 - 130	
Chloroethane	0.00500	0.00580	116	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	50 - 150
Toluene-d8 (Surr)	94	50 - 150
4-Bromofluorobenzene (Surr)	98	50 - 150
Dibromofluoromethane (Surr)	93	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-69432

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-69432/23-A	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69432	Lab File ID:	21228005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/28/2012 1125	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Acenaphthene	3.3	U	3.3	6.7
Acenaphthylene	3.3	U	3.3	6.7
Anthracene	3.3	U	3.3	6.7
Benzo[a]anthracene	3.3	U	3.3	6.7
Benzo[a]pyrene	3.3	U	3.3	6.7
Benzo[b]fluoranthene	3.3	U	3.3	6.7
Benzo[g,h,i]perylene	3.3	U	3.3	6.7
Benzoic acid	330	U	330	660
Benzo[k]fluoranthene	3.3	U	3.3	6.7
Benzyl alcohol	27	U	21	330
Bis(2-chloroethoxy)methane	27	U	22	100
Bis(2-chloroethyl)ether	3.3	U	2.0	100
bis (2-chloroisopropyl) ether	27	U	9.5	100
Bis(2-ethylhexyl) phthalate	22.5	J	19	50
4-Bromophenyl phenyl ether	27	U	13	50
Butyl benzyl phthalate	27	U	10	50
Carbazole	27	U	27	50
4-Chloroaniline	27	U	17	150
4-Chloro-3-methylphenol	27	U	21	150
2-Chloronaphthalene	3.3	U	3.3	50
2-Chlorophenol	27	U	27	50
4-Chlorophenyl phenyl ether	27	U	13	50
Chrysene	3.3	U	1.1	6.7
Dibenz(a,h)anthracene	3.3	U	3.3	6.7
Dibenzofuran	3.3	U	3.3	50
1,2-Dichlorobenzene	27	U	9.7	50
1,3-Dichlorobenzene	27	U	11	50
1,4-Dichlorobenzene	27	U	20	50
3,3'-Dichlorobenzidine	80	U	18	100
2,4-Dichlorophenol	27	U	20	150
Diethyl phthalate	27	U	16	50
2,4-Dimethylphenol	80	U	20	150
Dimethyl phthalate	27	U	17	50
Di-n-butyl phthalate	27	U	15	50
4,6-Dinitro-2-methylphenol	80	U	80	150
2,4-Dinitrophenol	80	U	80	330
2,4-Dinitrotoluene	27	U	27	200
2,6-Dinitrotoluene	27	U	21	200
Di-n-octyl phthalate	27	U	27	50
Fluoranthene	3.3	U	3.3	6.7
Fluorene	3.3	U	3.3	6.7
Hexachlorobenzene	3.3	U	2.1	6.7
Hexachlorobutadiene	27	U	27	50
Hexachlorocyclopentadiene	27	U	27	330
Hexachloroethane	27	U	9.0	50

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-69432

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-69432/23-A	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69432	Lab File ID:	21228005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/28/2012 1125	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Indeno[1,2,3-cd]pyrene	3.3	U	3.3	6.7
Isophorone	27	U	13	50
2-Methylnaphthalene	3.3	U	3.3	6.7
2-Methylphenol	80	U	80	200
3 & 4 Methylphenol	80	U	20	400
Naphthalene	3.3	U	3.3	6.7
2-Nitroaniline	27	U	9.1	200
3-Nitroaniline	80	U	16	200
4-Nitroaniline	27	U	26	200
Nitrobenzene	3.3	U	2.2	100
2-Nitrophenol	27	U	27	50
4-Nitrophenol	80	U	80	330
N-Nitrosodi-n-propylamine	27	U	27	50
N-Nitrosodiphenylamine	27	U	21	50
Pentachlorophenol	80	U	80	150
Phenanthrene	3.3	U	3.3	6.7
Phenol	27	U	27	50
Pyrene	3.3	U	3.3	6.7
1,2,4-Trichlorobenzene	27	U	27	50
2,4,5-Trichlorophenol	27	U	25	150
2,4,6-Trichlorophenol	80	U	80	150

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	58	45 - 105
2-Fluorophenol (Surr)	77	35 - 105
Nitrobenzene-d5 (Surr)	59	35 - 100
Phenol-d5 (Surr)	76	40 - 100
Terphenyl-d14 (Surr)	75	30 - 125
2,4,6-Tribromophenol (Surr)	70	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Control Sample - Batch: 240-69432

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-69432/24-A	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69432	Lab File ID:	21228006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/28/2012 1148	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	517	77	45 - 110	
Acenaphthylene	667	534	80	45 - 105	
Anthracene	667	584	88	55 - 105	
Benzo[a]anthracene	667	567	85	50 - 110	
Benzo[a]pyrene	667	570	86	50 - 110	
Benzo[b]fluoranthene	667	603	90	45 - 115	
Benzo[g,h,i]perylene	667	644	97	40 - 125	
Benzoic acid	667	330	47	0 - 110	U
Benzo[k]fluoranthene	667	607	91	45 - 125	
Benzyl alcohol	667	522	78	20 - 125	
Bis(2-chloroethoxy)methane	667	443	66	45 - 110	
Bis(2-chloroethyl)ether	667	427	64	40 - 105	
bis (2-chloroisopropyl) ether	667	418	63	20 - 115	
Bis(2-ethylhexyl) phthalate	667	574	86	45 - 125	
4-Bromophenyl phenyl ether	667	515	77	45 - 115	
Butyl benzyl phthalate	667	589	88	50 - 125	
Carbazole	667	592	89	45 - 115	
4-Chloroaniline	667	376	56	10 - 110	
4-Chloro-3-methylphenol	667	547	82	45 - 115	
2-Chloronaphthalene	667	443	66	45 - 105	
2-Chlorophenol	667	514	77	45 - 105	
4-Chlorophenyl phenyl ether	667	458	69	45 - 110	
Chrysene	667	591	89	55 - 110	
Dibenz(a,h)anthracene	667	642	96	40 - 125	
Dibenzofuran	667	499	75	50 - 105	
1,2-Dichlorobenzene	667	422	63	45 - 110	
1,3-Dichlorobenzene	667	412	62	40 - 100	
1,4-Dichlorobenzene	667	507	76	35 - 105	
3,3'-Dichlorobenzidine	667	336	50	10 - 130	
2,4-Dichlorophenol	667	550	83	45 - 110	
Diethyl phthalate	667	551	83	50 - 115	
2,4-Dimethylphenol	667	361	54	30 - 105	
Dimethyl phthalate	667	545	82	50 - 110	
Di-n-butyl phthalate	667	618	93	55 - 110	
4,6-Dinitro-2-methylphenol	667	496	74	30 - 135	
2,4-Dinitrophenol	667	403	60	15 - 130	
2,4-Dinitrotoluene	667	480	72	50 - 115	
2,6-Dinitrotoluene	667	491	74	50 - 110	
Di-n-octyl phthalate	667	568	85	40 - 130	
Fluoranthene	667	606	91	55 - 115	
Fluorene	667	537	81	50 - 110	
Hexachlorobenzene	667	464	70	45 - 120	
Hexachlorobutadiene	667	432	65	40 - 115	
Hexachloroethane	667	432	65	35 - 110	
Indeno[1,2,3-cd]pyrene	667	648	97	40 - 120	
Isophorone	667	545	82	45 - 110	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Control Sample - Batch: 240-69432

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-69432/24-A	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69432	Lab File ID:	21228006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/28/2012 1148	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	513	77	45 - 105	
2-Methylphenol	667	505	76	40 - 105	
3 & 4 Methylphenol	1330	1010	76	40 - 105	
Naphthalene	667	522	78	40 - 105	
2-Nitroaniline	667	583	87	45 - 120	
3-Nitroaniline	667	502	75	25 - 110	
4-Nitroaniline	667	541	81	35 - 115	
Nitrobenzene	667	454	68	40 - 115	
2-Nitrophenol	667	568	85	40 - 110	
4-Nitrophenol	667	533	80	15 - 140	
N-Nitrosodi-n-propylamine	667	529	79	40 - 115	
N-Nitrosodiphenylamine	667	581	87	50 - 115	
Pentachlorophenol	667	419	63	25 - 120	
Phenanthrene	667	571	86	50 - 110	
Phenol	667	534	80	40 - 100	
Pyrene	667	571	86	45 - 125	
1,2,4-Trichlorobenzene	667	430	65	45 - 110	
2,4,5-Trichlorophenol	667	547	82	50 - 110	
2,4,6-Trichlorophenol	667	533	80	45 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	62	45 - 105
2-Fluorophenol (Surr)	79	35 - 105
Nitrobenzene-d5 (Surr)	64	35 - 100
Phenol-d5 (Surr)	78	40 - 100
Terphenyl-d14 (Surr)	73	30 - 125
2,4,6-Tribromophenol (Surr)	80	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69432

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-18581-3	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69432	Lab File ID:	21229016.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.87 g
Analysis Date:	12/29/2012 1803			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

MSD Lab Sample ID:	240-18581-3	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69432	Lab File ID:	21229017.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.83 g
Analysis Date:	12/29/2012 1826			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	59	56	45 - 110	5	30	D	D
Acenaphthylene	55	56	45 - 105	3	30	D	D
Anthracene	60	60	55 - 105	0	30	D	D
Benzo[a]anthracene	60	62	50 - 110	3	30	D	D
Benzo[a]pyrene	51	56	50 - 110	8	30	D	D
Benzo[b]fluoranthene	56	63	45 - 115	12	30	D	D
Benzo[g,h,i]perylene	36	38	40 - 125	5	30	J D	D J
Benzoic acid	NC	NC	0 - 110	NC	30	U	U
Benzo[k]fluoranthene	62	62	45 - 125	2	30	D	D
Benzyl alcohol	58	54	20 - 125	7	30	J D	J D
Bis(2-chloroethoxy)methane	42	45	45 - 110	8	30	J D	J D
Bis(2-chloroethyl)ether	44	44	40 - 105	0	30	J D	J D
bis (2-chloroisopropyl) ether	47	48	20 - 115	2	30	J D	J D
Bis(2-ethylhexyl) phthalate	79	85	45 - 125	7	30	D	D
4-Bromophenyl phenyl ether	48	54	45 - 115	14	30	J D	J D
Butyl benzyl phthalate	64	69	50 - 125	7	30	J D	J D
Carbazole	55	60	45 - 115	9	30	J D	J D
4-Chloroaniline	29	0	10 - 95	200	30	J D	U J
4-Chloro-3-methylphenol	54	58	45 - 115	7	30	J D	J D
2-Chloronaphthalene	47	46	45 - 105	1	30	J D	J D
2-Chlorophenol	55	53	45 - 105	4	30	J D	J D
4-Chlorophenyl phenyl ether	49	51	45 - 110	4	30	J D	J D
Chrysene	65	67	55 - 110	4	30	D	D
Dibenz(a,h)anthracene	38	37	40 - 125	2	30	J D	D M J
Dibenzofuran	58	59	50 - 105	1	30	J D	J D
1,2-Dichlorobenzene	43	41	45 - 95	3	30	J D	D J
1,3-Dichlorobenzene	43	40	40 - 100	6	30	J D	J D
1,4-Dichlorobenzene	54	54	35 - 105	1	30	J D	J D
3,3'-Dichlorobenzidine	0	0	10 - 130	NC	30	U J	U J
2,4-Dichlorophenol	57	54	45 - 110	4	30	J D	J D
Diethyl phthalate	62	61	50 - 115	1	30	J D	J D
2,4-Dimethylphenol	50	46	30 - 105	8	30	J D	J D
Dimethyl phthalate	61	60	50 - 110	1	30	J D	J D

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69432

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-18581-3	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69432	Lab File ID:	21229016.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.87 g
Analysis Date:	12/29/2012 1803			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

MSD Lab Sample ID:	240-18581-3	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69432	Lab File ID:	21229017.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.83 g
Analysis Date:	12/29/2012 1826			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Di-n-butyl phthalate	63	66	55 - 110	4	30	J D	J D
4,6-Dinitro-2-methylphenol	NC	NC	30 - 135	NC	30	U	U
2,4-Dinitrophenol	NC	NC	15 - 130	2	30	J D	J D
2,4-Dinitrotoluene	66	67	50 - 115	3	30	J D	J D
2,6-Dinitrotoluene	69	69	50 - 110	1	30	J D	J D
Di-n-octyl phthalate	88	91	40 - 130	4	30	D	D
Fluoranthene	59	63	55 - 115	6	30	D	D
Fluorene	57	61	50 - 110	6	30	D	D
Hexachlorobenzene	53	57	45 - 120	8	30	D	D
Hexachlorobutadiene	44	43	40 - 115	3	30	J D	J D
Hexachloroethane	43	41	35 - 110	5	30	J D	J D
Indeno[1,2,3-cd]pyrene	36	39	40 - 120	8	30	J D	D J
Isophorone	57	53	45 - 110	7	30	J D	J D
2-Methylnaphthalene	57	59	45 - 105	3	30	D	D
2-Methylphenol	NC	NC	40 - 105	NC	30	U	U
3 & 4 Methylphenol	54	54	40 - 105	0	30	J D	J D
Naphthalene	58	60	40 - 105	4	30	D	D
2-Nitroaniline	54	58	45 - 120	8	30	J D	J D
3-Nitroaniline	44	42	25 - 110	5	30	J D	J D
4-Nitroaniline	45	46	35 - 115	3	30	J D	J D
Nitrobenzene	44	41	40 - 115	6	30	J D	J D
2-Nitrophenol	54	45	40 - 110	19	30	J D	J D
4-Nitrophenol	NC	NC	15 - 140	NC	30	U	U
N-Nitrosodi-n-propylamine	55	57	40 - 115	3	30	J D	J D
N-Nitrosodiphenylamine	66	68	50 - 115	4	30	J D	J D
Pentachlorophenol	NC	NC	25 - 120	NC	30	U	U
Phenanthrene	61	64	50 - 110	5	30	D	D
Phenol	58	52	40 - 100	10	30	J D	J D
Pyrene	63	64	45 - 125	1	30	D	D
1,2,4-Trichlorobenzene	44	43	45 - 110	3	30	J D	D J
2,4,5-Trichlorophenol	57	61	50 - 110	6	30	J D	J D
2,4,6-Trichlorophenol	NC	NC	45 - 110	NC	30	U	U

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	44	Q	43	Q	45 - 105
2-Fluorophenol (Surr)	58		52		35 - 105
Nitrobenzene-d5 (Surr)	46		40		35 - 100
Phenol-d5 (Surr)	57		54		40 - 100
Terphenyl-d14 (Surr)	59		56		30 - 125
2,4,6-Tribromophenol (Surr)	55		60		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69432

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-18581-1	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69432	Lab File ID:	21229021.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.57 g
Analysis Date:	12/29/2012 2000			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

MSD Lab Sample ID:	240-18581-1	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69432	Lab File ID:	21229022.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.22 g
Analysis Date:	12/29/2012 2023			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	59	56	45 - 110	4	30	D	D
Acenaphthylene	66	60	45 - 105	9	30	D	D
Anthracene	76	70	55 - 105	10	30	D	D
Benzo[a]anthracene	75	65	50 - 110	12	30	D	D
Benzo[a]pyrene	63	56	50 - 110	13	30	D	D
Benzo[b]fluoranthene	76	69	45 - 115	12	30	D	D
Benzo[g,h,i]perylene	41	36	40 - 125	13	30	D	D J
Benzoic acid	NC	NC	0 - 110	NC	30	U	U
Benzo[k]fluoranthene	74	67	45 - 125	11	30	D	D
Benzyl alcohol	63	57	20 - 125	12	30	J D	J D
Bis(2-chloroethoxy)methane	49	46	45 - 110	7	30	J D	J D
Bis(2-chloroethyl)ether	45	43	40 - 105	5	30	J D	J D
bis (2-chloroisopropyl) ether	52	46	20 - 115	13	30	J D	J D
Bis(2-ethylhexyl) phthalate	100	94	45 - 125	8	30	D	D
4-Bromophenyl phenyl ether	63	57	45 - 115	12	30	J D	J D
Butyl benzyl phthalate	82	78	50 - 125	8	30	D	D
Carbazole	69	64	45 - 115	10	30	J D	J D
4-Chloroaniline	0	0	10 - 95	NC	30	U J	U J
4-Chloro-3-methylphenol	67	64	45 - 115	6	30	J D	J D
2-Chloronaphthalene	55	53	45 - 105	6	30	J D	J D
2-Chlorophenol	63	56	45 - 105	14	30	J D	J D
4-Chlorophenyl phenyl ether	60	57	45 - 110	7	30	J D	J D
Chrysene	82	74	55 - 110	9	30	D	D
Dibenz(a,h)anthracene	45	36	40 - 125	25	30	D	D J
Dibenzofuran	61	57	50 - 105	6	30	D	D
1,2-Dichlorobenzene	45	42	45 - 95	7	30	J D	D J
1,3-Dichlorobenzene	44	38	40 - 100	16	30	J D	D J
1,4-Dichlorobenzene	53	52	35 - 105	4	30	J D	J D
3,3'-Dichlorobenzidine	0	0	10 - 130	NC	30	U J	U J
2,4-Dichlorophenol	66	60	45 - 110	12	30	J D	J D
Diethyl phthalate	76	70	50 - 115	10	30	D	J D
2,4-Dimethylphenol	66	58	30 - 105	14	30	J D	J D
Dimethyl phthalate	74	71	50 - 110	6	30	J D	J D

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69432

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-18581-1	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69432	Lab File ID:	21229021.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.57 g
Analysis Date:	12/29/2012 2000			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

MSD Lab Sample ID:	240-18581-1	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69432	Lab File ID:	21229022.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.22 g
Analysis Date:	12/29/2012 2023			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1303			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Di-n-butyl phthalate	79	74	55 - 110	8	30	D	J D
4,6-Dinitro-2-methylphenol	NC	NC	30 - 135	NC	30	U	U
2,4-Dinitrophenol	NC	NC	15 - 130	NC	30	U	U
2,4-Dinitrotoluene	84	87	50 - 115	1	30	J D	J D
2,6-Dinitrotoluene	79	72	50 - 110	11	30	J D	J D
Di-n-octyl phthalate	113	103	40 - 130	11	30	D	D
Fluoranthene	70	65	55 - 115	7	30	D	D
Fluorene	62	48	50 - 110	10	30	D	D J
Hexachlorobenzene	60	56	45 - 120	8	30	D	D
Hexachlorobutadiene	50	45	40 - 115	13	30	J D	J D
Hexachloroethane	49	42	35 - 110	16	30	J D	J D
Indeno[1,2,3-cd]pyrene	44	45	40 - 120	0	30	D	D
Isophorone	64	58	45 - 110	13	30	J D	J D
2-Methylnaphthalene	61	40	45 - 105	15	30	D	D J
2-Methylphenol	NC	NC	40 - 105	NC	30	U	U
3 & 4 Methylphenol	66	59	40 - 105	14	30	J D	J D
Naphthalene	60	53	40 - 105	13	30	D	D
2-Nitroaniline	72	60	45 - 120	20	30	J D	J D
3-Nitroaniline	36	31	25 - 110	17	30	J D	J D
4-Nitroaniline	56	58	35 - 115	1	30	J D	J D
Nitrobenzene	50	47	40 - 115	9	30	J D	J D
2-Nitrophenol	56	45	40 - 110	25	30	J D	J D
4-Nitrophenol	NC	NC	15 - 140	NC	30	U	U
N-Nitrosodi-n-propylamine	59	59	40 - 115	2	30	J D	J D
N-Nitrosodiphenylamine	214	193	50 - 115	12	30	J D	J D
Pentachlorophenol	NC	NC	25 - 120	NC	30	U	U
Phenanthrene	72	51	50 - 110	10	30	D	D
Phenol	66	62	40 - 100	9	30	J D	J D
Pyrene	77	53	45 - 125	12	30	D	D
1,2,4-Trichlorobenzene	49	45	45 - 110	11	30	J D	J D
2,4,5-Trichlorophenol	73	66	50 - 110	12	30	J D	J D
2,4,6-Trichlorophenol	NC	NC	45 - 110	NC	30	U	U

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	53	50	45 - 105
2-Fluorophenol (Surr)	64	57	35 - 105
Nitrobenzene-d5 (Surr)	46	42	35 - 100
Phenol-d5 (Surr)	64	56	40 - 100
Terphenyl-d14 (Surr)	67	64	30 - 125
2,4,6-Tribromophenol (Surr)	67	62	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69432

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-18581-3	Units: ug/Kg	MSD Lab Sample ID:	240-18581-3	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	10		Dilution:	10	
Analysis Date:	12/29/2012 1803		Analysis Date:	12/29/2012 1826	
Prep Date:	12/19/2012 1303		Prep Date:	12/19/2012 1303	
Leach Date:	12/10/2012 1600		Leach Date:	12/10/2012 1600	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	33	U	670	670	393	D	376	D
Acenaphthylene	33	U	670	670	365	D	375	D
Anthracene	33	U	670	670	400	D	402	D
Benzo[a]anthracene	33	U	670	670	403	D	415	D
Benzo[a]pyrene	33	U	670	670	344	D	372	D
Benzo[b]fluoranthene	33	U	670	670	375	D	423	D
Benzo[g,h,i]perylene	33	U	670	670	240	J D	253	D J
Benzoic acid	3400	U	670	670	3300	U	3300	U
Benzo[k]fluoranthene	33	U	670	670	412	D	419	D
Benzyl alcohol	270	U	670	670	387	J D	363	J D
Bis(2-chloroethoxy)methane	270	U	670	670	280	J D	303	J D
Bis(2-chloroethyl)ether	33	U	670	670	292	J D	293	J D
bis (2-chloroisopropyl) ether	270	U	670	670	317	J D	322	J D
Bis(2-ethylhexyl) phthalate	270	U	670	670	528	D	568	D
4-Bromophenyl phenyl ether	270	U	670	670	319	J D	365	J D
Butyl benzyl phthalate	270	U	670	670	427	J D	459	J D
Carbazole	270	U	670	670	370	J D	403	J D
4-Chloroaniline	270	U	670	670	196	J D	270	U J
4-Chloro-3-methylphenol	270	U	670	670	362	J D	389	J D
2-Chloronaphthalene	33	U	670	670	313	J D	309	J D
2-Chlorophenol	270	U	670	670	368	J D	353	J D
4-Chlorophenyl phenyl ether	270	U	670	670	326	J D	340	J D
Chrysene	33	U	670	670	435	D	452	D
Dibenz(a,h)anthracene	33	U	670	670	252	J D	247	D M J
Dibenzofuran	33	U	670	670	391	J D	393	J D
1,2-Dichlorobenzene	270	U	670	670	286	J D	278	D J
1,3-Dichlorobenzene	270	U	670	670	285	J D	268	J D
1,4-Dichlorobenzene	270	U	670	670	359	J D	361	J D
3,3'-Dichlorobenzidine	810	U	670	670	800	U J	800	U J
2,4-Dichlorophenol	270	U	670	670	379	J D	365	J D
Diethyl phthalate	270	U	670	670	412	J D	406	J D
2,4-Dimethylphenol	810	U	670	670	333	J D	307	J D
Dimethyl phthalate	270	U	670	670	406	J D	403	J D
Di-n-butyl phthalate	270	U	670	670	422	J D	440	J D
4,6-Dinitro-2-methylphenol	810	U	670	670	800	U	800	U
2,4-Dinitrophenol	810	U	670	670	876	J D	859	J D
2,4-Dinitrotoluene	270	U	670	670	439	J D	452	J D
2,6-Dinitrotoluene	270	U	670	670	462	J D	464	J D
Di-n-octyl phthalate	270	U	670	670	586	D	607	D
Fluoranthene	33	U	670	670	398	D	424	D
Fluorene	33	U	670	670	383	D	407	D
Hexachlorobenzene	33	U	670	670	352	D	384	D
Hexachlorobutadiene	270	U	670	670	295	J D	285	J D

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69432

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-18581-3	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	10		
Analysis Date:	12/29/2012 1803		
Prep Date:	12/19/2012 1303		
Leach Date:	12/10/2012 1600		

MSD Lab Sample ID:	240-18581-3
Client Matrix:	Solid
Dilution:	10
Analysis Date:	12/29/2012 1826
Prep Date:	12/19/2012 1303
Leach Date:	12/10/2012 1600

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Hexachloroethane	270	U	670	670	287	J D	273	J D
Indeno[1,2,3-cd]pyrene	33	U	670	670	243	J D	263	D J
Isophorone	270	U	670	670	383	J D	357	J D
2-Methylnaphthalene	33	U	670	670	384	D	394	D
2-Methylphenol	810	U	670	670	800	U	800	U
3 & 4 Methylphenol	810	U	1340	1340	722	J D	726	J D
Naphthalene	33	U	670	670	389	D	403	D
2-Nitroaniline	270	U	670	670	360	J D	389	J D
3-Nitroaniline	810	U	670	670	298	J D	282	J D
4-Nitroaniline	270	U	670	670	303	J D	312	J D
Nitrobenzene	33	U	670	670	292	J D	277	J D
2-Nitrophenol	270	U	670	670	363	J D	299	J D
4-Nitrophenol	810	U	670	670	800	U	800	U
N-Nitrosodi-n-propylamine	270	U	670	670	369	J D	379	J D
N-Nitrosodiphenylamine	270	U	670	670	439	J D	456	J D
Pentachlorophenol	810	U	670	670	800	U	800	U
Phenanthrene	33	U	670	670	408	D	429	D
Phenol	270	U	670	670	385	J D	350	J D
Pyrene	33	U	670	670	424	D	428	D
1,2,4-Trichlorobenzene	270	U	670	670	296	J D	289	D J
2,4,5-Trichlorophenol	270	U	670	670	384	J D	408	J D
2,4,6-Trichlorophenol	810	U	670	670	800	U	800	U

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69432

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-18581-1	Units:	ug/Kg	MSD Lab Sample ID:	240-18581-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	10			Dilution:	10
Analysis Date:	12/29/2012 2000			Analysis Date:	12/29/2012 2023
Prep Date:	12/19/2012 1303			Prep Date:	12/19/2012 1303
Leach Date:	12/10/2012 1600			Leach Date:	12/10/2012 1600

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	380		676	662	772	D	744	D
Acenaphthylene	79		676	662	524	D	478	D
Anthracene	33	U	676	662	513	D	463	D
Benzo[a]anthracene	140		676	662	644	D	570	D
Benzo[a]pyrene	41	J	676	662	468	D	413	D
Benzo[b]fluoranthene	34	J	676	662	549	D	489	D
Benzo[g,h,i]perylene	57	J	676	662	336	D	294	D J
Benzoic acid	3300	U	676	662	3400	U	3300	U
Benzo[k]fluoranthene	33	U	676	662	499	D	446	D
Benzyl alcohol	270	U	676	662	428	J D	380	J D
Bis(2-chloroethoxy)methane	270	U	676	662	331	J D	308	J D
Bis(2-chloroethyl)ether	33	U	676	662	301	J D	287	J D
bis (2-chloroisopropyl) ether	270	U	676	662	350	J D	306	J D
Bis(2-ethylhexyl) phthalate	270	U	676	662	673	D	622	D
4-Bromophenyl phenyl ether	270	U	676	662	423	J D	374	J D
Butyl benzyl phthalate	270	U	676	662	557	D	514	D
Carbazole	270	U	676	662	468	J D	422	J D
4-Chloroaniline	270	U	676	662	270	U J	270	U J
4-Chloro-3-methylphenol	270	U	676	662	454	J D	427	J D
2-Chloronaphthalene	33	U	676	662	375	J D	354	J D
2-Chlorophenol	270	U	676	662	429	J D	371	J D
4-Chlorophenyl phenyl ether	270	U	676	662	404	J D	377	J D
Chrysene	190		676	662	741	D	679	D
Dibenz(a,h)anthracene	33	U	676	662	305	D	236	D J
Dibenzofuran	250	J	676	662	662	D	624	D
1,2-Dichlorobenzene	270	U	676	662	303	J D	281	D J
1,3-Dichlorobenzene	270	U	676	662	299	J D	254	D J
1,4-Dichlorobenzene	270	U	676	662	360	J D	345	J D
3,3'-Dichlorobenzidine	790	U	676	662	810	U J	790	U J
2,4-Dichlorophenol	270	U	676	662	449	J D	399	J D
Diethyl phthalate	270	U	676	662	513	D	464	J D
2,4-Dimethylphenol	790	U	676	662	443	J D	385	J D
Dimethyl phthalate	270	U	676	662	504	J D	472	J D
Di-n-butyl phthalate	270	U	676	662	533	D	492	J D
4,6-Dinitro-2-methylphenol	790	U	676	662	810	U	790	U
2,4-Dinitrophenol	790	U	676	662	810	U	790	U
2,4-Dinitrotoluene	270	U	676	662	571	J D	577	J D
2,6-Dinitrotoluene	270	U	676	662	532	J D	474	J D
Di-n-octyl phthalate	270	U	676	662	763	D	684	D
Fluoranthene	170		676	662	643	D	601	D
Fluorene	650		676	662	1080	D	975	D J
Hexachlorobenzene	33	U	676	662	403	D	372	D
Hexachlorobutadiene	270	U	676	662	338	J D	295	J D

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69432

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-18581-1	Units:	ug/Kg	MSD Lab Sample ID:	240-18581-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	10			Dilution:	10
Analysis Date:	12/29/2012 2000			Analysis Date:	12/29/2012 2023
Prep Date:	12/19/2012 1303			Prep Date:	12/19/2012 1303
Leach Date:	12/10/2012 1600			Leach Date:	12/10/2012 1600

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Hexachloroethane	270	U	676	662	330	J D	281	J D
Indeno[1,2,3-cd]pyrene	33	U	676	662	295	D	296	D
Isophorone	270	U	676	662	434	J D	382	J D
2-Methylnaphthalene	680		676	662	1090	D	943	D J
2-Methylphenol	790	U	676	662	810	U	790	U
3 & 4 Methylphenol	790	U	1350	1320	896	J D	777	J D
Naphthalene	50	J	676	662	457	D	399	D
2-Nitroaniline	270	U	676	662	485	J D	398	J D
3-Nitroaniline	790	U	676	662	245	J D	206	J D
4-Nitroaniline	270	U	676	662	376	J D	381	J D
Nitrobenzene	33	U	676	662	338	J D	309	J D
2-Nitrophenol	270	U	676	662	382	J D	298	J D
4-Nitrophenol	790	U	676	662	810	U	790	U
N-Nitrosodi-n-propylamine	270	U	676	662	397	J D	389	J D
N-Nitrosodiphenylamine	270	U	676	662	1450	J D	1280	J D
Pentachlorophenol	790	U	676	662	810	U	790	U
Phenanthrene	1000		676	662	1530	D	1380	D
Phenol	270	U	676	662	446	J D	407	J D
Pyrene	1000		676	662	1530	D	1360	D
1,2,4-Trichlorobenzene	270	U	676	662	332	J D	296	J D
2,4,5-Trichlorophenol	270	U	676	662	491	J D	436	J D
2,4,6-Trichlorophenol	790	U	676	662	810	U	790	U

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-69446

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-69446/11-A	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69446	Lab File ID:	21226004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/26/2012 1001	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Acenaphthene	3.3	U	3.3	6.7
Acenaphthylene	3.3	U	3.3	6.7
Anthracene	3.3	U	3.3	6.7
Benzo[a]anthracene	3.3	U	3.3	6.7
Benzo[a]pyrene	3.3	U	3.3	6.7
Benzo[b]fluoranthene	3.3	U	3.3	6.7
Benzo[g,h,i]perylene	3.3	U	3.3	6.7
Benzoic acid	330	U	330	660
Benzo[k]fluoranthene	3.3	U	3.3	6.7
Benzyl alcohol	27	U	21	330
Bis(2-chloroethoxy)methane	27	U	22	100
Bis(2-chloroethyl)ether	3.3	U	2.0	100
bis (2-chloroisopropyl) ether	27	U	9.5	100
Bis(2-ethylhexyl) phthalate	27	U	19	50
4-Bromophenyl phenyl ether	27	U	13	50
Butyl benzyl phthalate	27	U	10	50
Carbazole	27	U	27	50
4-Chloroaniline	27	U	17	150
4-Chloro-3-methylphenol	27	U	21	150
2-Chloronaphthalene	3.3	U	3.3	50
2-Chlorophenol	27	U	27	50
4-Chlorophenyl phenyl ether	27	U	13	50
Chrysene	3.3	U	1.1	6.7
Dibenz(a,h)anthracene	3.3	U	3.3	6.7
Dibenzofuran	3.3	U	3.3	50
1,2-Dichlorobenzene	27	U	9.7	50
1,3-Dichlorobenzene	27	U	11	50
1,4-Dichlorobenzene	27	U	20	50
3,3'-Dichlorobenzidine	80	U	18	100
2,4-Dichlorophenol	27	U	20	150
Diethyl phthalate	27	U	16	50
2,4-Dimethylphenol	80	U	20	150
Dimethyl phthalate	27	U	17	50
Di-n-butyl phthalate	27	U	15	50
4,6-Dinitro-2-methylphenol	80	U	80	150
2,4-Dinitrophenol	80	U	80	330
2,4-Dinitrotoluene	27	U	27	200
2,6-Dinitrotoluene	27	U	21	200
Di-n-octyl phthalate	27	U	27	50
Fluoranthene	3.3	U	3.3	6.7
Fluorene	3.3	U	3.3	6.7
Hexachlorobenzene	3.3	U	2.1	6.7
Hexachlorobutadiene	27	U	27	50
Hexachlorocyclopentadiene	27	U	27	330
Hexachloroethane	27	U	9.0	50

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-69446

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-69446/11-A	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69446	Lab File ID:	21226004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/26/2012 1001	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Indeno[1,2,3-cd]pyrene	3.3	U	3.3	6.7
Isophorone	27	U	13	50
2-Methylnaphthalene	3.3	U	3.3	6.7
2-Methylphenol	80	U	80	200
3 & 4 Methylphenol	80	U	20	400
Naphthalene	3.3	U	3.3	6.7
2-Nitroaniline	27	U	9.1	200
3-Nitroaniline	80	U	16	200
4-Nitroaniline	27	U	26	200
Nitrobenzene	3.3	U	2.2	100
2-Nitrophenol	27	U	27	50
4-Nitrophenol	80	U	80	330
N-Nitrosodi-n-propylamine	27	U	27	50
N-Nitrosodiphenylamine	27	U	21	50
Pentachlorophenol	80	U	80	150
Phenanthrene	3.3	U	3.3	6.7
Phenol	27	U	27	50
Pyrene	3.3	U	3.3	6.7
1,2,4-Trichlorobenzene	27	U	27	50
2,4,5-Trichlorophenol	27	U	25	150
2,4,6-Trichlorophenol	80	U	80	150

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	56	45 - 105
2-Fluorophenol (Surr)	74	35 - 105
Nitrobenzene-d5 (Surr)	58	35 - 100
Phenol-d5 (Surr)	74	40 - 100
Terphenyl-d14 (Surr)	72	30 - 125
2,4,6-Tribromophenol (Surr)	64	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Control Sample - Batch: 240-69446

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-69446/12-A	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69446	Lab File ID:	21226005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/26/2012 1025	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	503	75	45 - 110	
Acenaphthylene	667	519	78	45 - 105	
Anthracene	667	546	82	55 - 105	
Benzo[a]anthracene	667	536	80	50 - 110	
Benzo[a]pyrene	667	523	78	50 - 110	
Benzo[b]fluoranthene	667	575	86	45 - 115	
Benzo[g,h,i]perylene	667	573	86	40 - 125	
Benzoic acid	667	330	49	0 - 110	U
Benzo[k]fluoranthene	667	554	83	45 - 125	
Benzyl alcohol	667	485	73	20 - 125	
Bis(2-chloroethoxy)methane	667	435	65	45 - 110	
Bis(2-chloroethyl)ether	667	425	64	40 - 105	
bis (2-chloroisopropyl) ether	667	423	63	20 - 115	
Bis(2-ethylhexyl) phthalate	667	525	79	45 - 125	
4-Bromophenyl phenyl ether	667	469	70	45 - 115	
Butyl benzyl phthalate	667	550	82	50 - 125	
Carbazole	667	543	82	45 - 115	
4-Chloroaniline	667	387	58	10 - 110	
4-Chloro-3-methylphenol	667	527	79	45 - 115	
2-Chloronaphthalene	667	428	64	45 - 105	
2-Chlorophenol	667	519	78	45 - 105	
4-Chlorophenyl phenyl ether	667	449	67	45 - 110	
Chrysene	667	555	83	55 - 110	
Dibenz(a,h)anthracene	667	573	86	40 - 125	
Dibenzofuran	667	498	75	50 - 105	
1,2-Dichlorobenzene	667	421	63	45 - 110	
1,3-Dichlorobenzene	667	410	61	40 - 100	
1,4-Dichlorobenzene	667	504	76	35 - 105	
3,3'-Dichlorobenzidine	667	343	51	10 - 130	
2,4-Dichlorophenol	667	529	79	45 - 110	
Diethyl phthalate	667	534	80	50 - 115	
2,4-Dimethylphenol	667	350	53	30 - 105	
Dimethyl phthalate	667	531	80	50 - 110	
Di-n-butyl phthalate	667	559	84	55 - 110	
4,6-Dinitro-2-methylphenol	667	477	71	30 - 135	
2,4-Dinitrophenol	667	414	62	15 - 130	
2,4-Dinitrotoluene	667	463	69	50 - 115	
2,6-Dinitrotoluene	667	467	70	50 - 110	
Di-n-octyl phthalate	667	496	74	40 - 130	
Fluoranthene	667	555	83	55 - 115	
Fluorene	667	531	80	50 - 110	
Hexachlorobenzene	667	445	67	45 - 120	
Hexachlorobutadiene	667	429	64	40 - 115	
Hexachloroethane	667	435	65	35 - 110	
Indeno[1,2,3-cd]pyrene	667	569	85	40 - 120	
Isophorone	667	534	80	45 - 110	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Control Sample - Batch: 240-69446

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-69446/12-A	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69446	Lab File ID:	21226005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/26/2012 1025	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	523	78	45 - 105	
2-Methylphenol	667	486	73	40 - 105	
3 & 4 Methylphenol	1330	1010	76	40 - 105	
Naphthalene	667	520	78	40 - 105	
2-Nitroaniline	667	543	81	45 - 120	
3-Nitroaniline	667	480	72	25 - 110	
4-Nitroaniline	667	525	79	35 - 115	
Nitrobenzene	667	442	66	40 - 115	
2-Nitrophenol	667	535	80	40 - 110	
4-Nitrophenol	667	531	80	15 - 140	
N-Nitrosodi-n-propylamine	667	519	78	40 - 115	
N-Nitrosodiphenylamine	667	545	82	50 - 115	
Pentachlorophenol	667	387	58	25 - 120	
Phenanthrene	667	540	81	50 - 110	
Phenol	667	517	78	40 - 100	
Pyrene	667	543	81	45 - 125	
1,2,4-Trichlorobenzene	667	430	65	45 - 110	
2,4,5-Trichlorophenol	667	508	76	50 - 110	
2,4,6-Trichlorophenol	667	510	77	45 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	61	45 - 105
2-Fluorophenol (Surr)	79	35 - 105
Nitrobenzene-d5 (Surr)	63	35 - 100
Phenol-d5 (Surr)	79	40 - 100
Terphenyl-d14 (Surr)	72	30 - 125
2,4,6-Tribromophenol (Surr)	77	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69446

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-18581-21	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69446	Lab File ID:	21226009.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.23 g
Analysis Date:	12/26/2012 1158			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

MSD Lab Sample ID:	240-18581-21	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69446	Lab File ID:	21226010.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.94 g
Analysis Date:	12/26/2012 1221			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	59	63	45 - 110	8	30	D	D
Acenaphthylene	58	63	45 - 105	9	30	D	D
Anthracene	60	65	55 - 105	9	30	D	D
Benzo[a]anthracene	62	70	50 - 110	12	30	D	D
Benzo[a]pyrene	46	52	50 - 110	14	30	J D	D
Benzo[b]fluoranthene	57	57	45 - 115	1	30	D	D
Benzo[g,h,i]perylene	59	60	40 - 125	2	30	D	D
Benzoic acid	NC	NC	0 - 110	NC	30	U	U
Benzo[k]fluoranthene	52	69	45 - 125	29	30	D	D
Benzyl alcohol	49	52	20 - 125	7	30	J D	J D
Bis(2-chloroethoxy)methane	51	50	45 - 110	0	30	J D	J D
Bis(2-chloroethyl)ether	49	51	40 - 105	4	30	J D	J D
bis (2-chloroisopropyl) ether	47	47	20 - 115	1	30	J D	J D
Bis(2-ethylhexyl) phthalate	56	62	45 - 125	12	30	J D	J D
4-Bromophenyl phenyl ether	57	57	45 - 115	1	30	J D	J D
Butyl benzyl phthalate	51	55	50 - 125	10	30	J D	J D
Carbazole	58	65	45 - 115	12	30	J D	J D
4-Chloroaniline	42	34	10 - 95	20	30	J D	J D
4-Chloro-3-methylphenol	56	59	45 - 115	6	30	J D	J D
2-Chloronaphthalene	52	55	45 - 105	5	30	J D	J D
2-Chlorophenol	60	62	45 - 105	3	30	J D	J D
4-Chlorophenyl phenyl ether	51	56	45 - 110	10	30	J D	J D
Chrysene	68	76	55 - 110	11	30	D	D
Dibenz(a,h)anthracene	49	51	40 - 125	4	30	D	D
Dibenzofuran	60	65	50 - 105	10	30	J D	J D
1,2-Dichlorobenzene	45	49	45 - 95	8	30	J D	J D
1,3-Dichlorobenzene	46	49	40 - 100	7	30	J D	J D
1,4-Dichlorobenzene	54	62	35 - 105	14	30	J D	J D
3,3'-Dichlorobenzidine	0	0	10 - 130	NC	30	U J	U J
2,4-Dichlorophenol	58	61	45 - 110	6	30	J D	J D
Diethyl phthalate	62	64	50 - 115	3	30	J D	J D
2,4-Dimethylphenol	46	48	30 - 105	6	30	J D	J D
Dimethyl phthalate	63	69	50 - 110	9	30	J D	J D

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69446

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-18581-21	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69446	Lab File ID:	21226009.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.23 g
Analysis Date:	12/26/2012 1158			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

MSD Lab Sample ID:	240-18581-21	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-69446	Lab File ID:	21226010.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	29.94 g
Analysis Date:	12/26/2012 1221			Final Weight/Volume:	2 mL
Prep Date:	12/19/2012 1355			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Di-n-butyl phthalate	55	62	55 - 110	12	30	J D	J D
4,6-Dinitro-2-methylphenol	NC	NC	30 - 135	NC	30	U	U
2,4-Dinitrophenol	NC	NC	15 - 130	200	30	J D	U J
2,4-Dinitrotoluene	61	69	50 - 115	13	30	J D	J D
2,6-Dinitrotoluene	65	70	50 - 110	8	30	J D	J D
Di-n-octyl phthalate	57	59	40 - 130	4	30	J D	J D
Fluoranthene	63	68	55 - 115	9	30	D	D
Fluorene	64	66	50 - 110	5	30	D	D
Hexachlorobenzene	57	58	45 - 120	2	30	D	D
Hexachlorobutadiene	49	49	40 - 115	0	30	J D	J D
Hexachloroethane	47	50	35 - 110	7	30	J D	J D
Indeno[1,2,3-cd]pyrene	53	57	40 - 120	8	30	D	D
Isophorone	59	60	45 - 110	2	30	J D	J D
2-Methylnaphthalene	62	64	45 - 105	5	30	D	D
2-Methylphenol	NC	NC	40 - 105	NC	30	U	U
3 & 4 Methylphenol	56	59	40 - 105	6	30	J D	J D
Naphthalene	59	63	40 - 105	7	30	D	D
2-Nitroaniline	46	49	45 - 120	7	30	J D	J D
3-Nitroaniline	47	49	25 - 110	6	30	J D	J D
4-Nitroaniline	41	49	35 - 115	18	30	J D	J D
Nitrobenzene	46	50	40 - 115	8	30	J D	J D
2-Nitrophenol	51	55	40 - 110	8	30	J D	J D
4-Nitrophenol	NC	NC	15 - 140	NC	30	U	U
N-Nitrosodi-n-propylamine	54	58	40 - 115	8	30	J D	J D
N-Nitrosodiphenylamine	59	64	50 - 115	9	30	J D	J D
Pentachlorophenol	NC	NC	25 - 120	NC	30	U	U
Phenanthrene	68	74	50 - 110	10	30	D	D
Phenol	59	64	40 - 100	8	30	J D	J D
Pyrene	61	70	45 - 125	14	30	D	D
1,2,4-Trichlorobenzene	52	50	45 - 110	2	30	J D	J D
2,4,5-Trichlorophenol	54	55	50 - 110	4	30	J D	J D
2,4,6-Trichlorophenol	NC	NC	45 - 110	NC	30	U	U

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	50	55	45 - 105
2-Fluorophenol (Surr)	59	62	35 - 105
Nitrobenzene-d5 (Surr)	46	47	35 - 100
Phenol-d5 (Surr)	57	61	40 - 100
Terphenyl-d14 (Surr)	57	61	30 - 125
2,4,6-Tribromophenol (Surr)	46	59	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69446

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-18581-21	Units:	ug/Kg	MSD Lab Sample ID:	240-18581-21
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	10			Dilution:	10
Analysis Date:	12/26/2012 1158			Analysis Date:	12/26/2012 1221
Prep Date:	12/19/2012 1355			Prep Date:	12/19/2012 1355
Leach Date:	12/10/2012 1600			Leach Date:	12/10/2012 1600

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	33	U	662	668	389	D	420	D
Acenaphthylene	33	U	662	668	385	D	420	D
Anthracene	33	U	662	668	394	D	433	D
Benzo[a]anthracene	33	U	662	668	412	D	465	D
Benzo[a]pyrene	33	U	662	668	303	J D	350	D
Benzo[b]fluoranthene	33	U	662	668	375	D	381	D
Benzo[g,h,i]perylene	33	U	662	668	393	D	400	D
Benzoic acid	3300	U	662	668	3300	U	3300	U
Benzo[k]fluoranthene	33	U	662	668	345	D	464	D
Benzyl alcohol	270	U	662	668	326	J D	351	J D
Bis(2-chloroethoxy)methane	270	U	662	668	335	J D	334	J D
Bis(2-chloroethyl)ether	33	U	662	668	326	J D	338	J D
bis (2-chloroisopropyl) ether	270	U	662	668	314	J D	316	J D
Bis(2-ethylhexyl) phthalate	270	U	662	668	368	J D	413	J D
4-Bromophenyl phenyl ether	270	U	662	668	379	J D	382	J D
Butyl benzyl phthalate	270	U	662	668	336	J D	370	J D
Carbazole	270	U	662	668	385	J D	435	J D
4-Chloroaniline	270	U	662	668	280	J D	229	J D
4-Chloro-3-methylphenol	270	U	662	668	370	J D	392	J D
2-Chloronaphthalene	33	U	662	668	347	J D	365	J D
2-Chlorophenol	270	U	662	668	400	J D	411	J D
4-Chlorophenyl phenyl ether	270	U	662	668	339	J D	375	J D
Chrysene	33	U	662	668	451	D	506	D
Dibenz(a,h)anthracene	33	U	662	668	326	D	341	D
Dibenzofuran	33	U	662	668	394	J D	437	J D
1,2-Dichlorobenzene	270	U	662	668	299	J D	325	J D
1,3-Dichlorobenzene	270	U	662	668	302	J D	324	J D
1,4-Dichlorobenzene	270	U	662	668	358	J D	413	J D
3,3'-Dichlorobenzidine	800	U	662	668	790	U J	800	U J
2,4-Dichlorophenol	270	U	662	668	385	J D	408	J D
Diethyl phthalate	270	U	662	668	411	J D	424	J D
2,4-Dimethylphenol	800	U	662	668	302	J D	319	J D
Dimethyl phthalate	270	U	662	668	418	J D	459	J D
Di-n-butyl phthalate	270	U	662	668	366	J D	413	J D
4,6-Dinitro-2-methylphenol	800	U	662	668	790	U	800	U
2,4-Dinitrophenol	800	U	662	668	821	J D	800	U J
2,4-Dinitrotoluene	270	U	662	668	405	J D	460	J D
2,6-Dinitrotoluene	270	U	662	668	429	J D	464	J D
Di-n-octyl phthalate	270	U	662	668	379	J D	394	J D
Fluoranthene	33	U	662	668	415	D	456	D
Fluorene	33	U	662	668	420	D	440	D
Hexachlorobenzene	33	U	662	668	376	D	384	D
Hexachlorobutadiene	270	U	662	668	326	J D	325	J D

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69446

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-18581-21	Units:	ug/Kg	MSD Lab Sample ID:	240-18581-21
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	10			Dilution:	10
Analysis Date:	12/26/2012 1158			Analysis Date:	12/26/2012 1221
Prep Date:	12/19/2012 1355			Prep Date:	12/19/2012 1355
Leach Date:	12/10/2012 1600			Leach Date:	12/10/2012 1600

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Hexachloroethane	270	U	662	668	312	J D	333	J D
Indeno[1,2,3-cd]pyrene	33	U	662	668	351	D	379	D
Isophorone	270	U	662	668	389	J D	398	J D
2-Methylnaphthalene	33	U	662	668	409	D	431	D
2-Methylphenol	800	U	662	668	790	U	800	U
3 & 4 Methylphenol	800	U	1320	1340	745	J D	790	J D
Naphthalene	33	U	662	668	390	D	419	D
2-Nitroaniline	270	U	662	668	302	J D	325	J D
3-Nitroaniline	800	U	662	668	310	J D	330	J D
4-Nitroaniline	270	U	662	668	272	J D	327	J D
Nitrobenzene	33	U	662	668	305	J D	332	J D
2-Nitrophenol	270	U	662	668	338	J D	365	J D
4-Nitrophenol	800	U	662	668	790	U	800	U
N-Nitrosodi-n-propylamine	270	U	662	668	358	J D	390	J D
N-Nitrosodiphenylamine	270	U	662	668	392	J D	430	J D
Pentachlorophenol	800	U	662	668	790	U	800	U
Phenanthrene	33	U	662	668	448	D	496	D
Phenol	270	U	662	668	393	J D	427	J D
Pyrene	33	U	662	668	406	D	466	D
1,2,4-Trichlorobenzene	270	U	662	668	342	J D	337	J D
2,4,5-Trichlorophenol	270	U	662	668	355	J D	371	J D
2,4,6-Trichlorophenol	800	U	662	668	790	U	800	U

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70078

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-70078/3	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21226003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/26/2012 0938	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	4.99	100	70 - 130	
Acenaphthylene	5.00	5.24	105	70 - 130	
Anthracene	5.00	5.21	104	70 - 130	
Benzo[a]anthracene	5.00	5.11	102	70 - 130	
Benzo[a]pyrene	5.00	5.41	108	70 - 130	
Benzo[b]fluoranthene	5.00	5.11	102	70 - 130	
Benzo[g,h,i]perylene	5.00	5.34	107	70 - 130	
Benzoic acid	10.0	9.14	91	70 - 130	
Benzo[k]fluoranthene	5.00	5.57	111	70 - 130	
Benzyl alcohol	5.00	4.83	97	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.05	101	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.13	103	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.92	98	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.29	106	70 - 130	
Butyl benzyl phthalate	5.00	4.98	100	70 - 130	
Carbazole	5.00	5.21	104	70 - 130	
4-Chloro-3-methylphenol	5.00	5.10	102	70 - 130	
2-Chloronaphthalene	5.00	5.14	103	70 - 130	
2-Chlorophenol	5.00	5.17	103	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.11	102	70 - 130	
Chrysene	5.00	5.09	102	70 - 130	
Dibenz(a,h)anthracene	5.00	5.20	104	70 - 130	
Dibenzofuran	5.00	4.99	100	70 - 130	
1,2-Dichlorobenzene	5.00	5.13	103	70 - 130	
1,3-Dichlorobenzene	5.00	5.13	103	70 - 130	
1,4-Dichlorobenzene	5.00	5.20	104	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.27	105	70 - 130	
2,4-Dichlorophenol	5.00	5.27	105	70 - 130	
Diethyl phthalate	5.00	4.93	99	70 - 130	
2,4-Dimethylphenol	5.00	5.14	103	70 - 130	
Dimethyl phthalate	5.00	5.05	101	70 - 130	
Di-n-butyl phthalate	5.00	5.13	103	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.88	98	70 - 130	
2,4-Dinitrophenol	10.0	9.74	97	70 - 130	
2,4-Dinitrotoluene	5.00	5.21	104	70 - 130	
2,6-Dinitrotoluene	5.00	5.27	105	70 - 130	
Di-n-octyl phthalate	5.00	4.68	94	70 - 130	
Fluoranthene	5.00	5.16	103	70 - 130	
Fluorene	5.00	5.18	104	70 - 130	
Hexachlorobenzene	5.00	5.18	104	70 - 130	
Hexachlorobutadiene	5.00	5.24	105	70 - 130	
Hexachloroethane	5.00	5.24	105	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.39	108	70 - 130	
Isophorone	5.00	5.08	102	70 - 130	
2-Methylnaphthalene	5.00	5.01	100	70 - 130	
2-Methylphenol	5.00	5.29	106	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70078 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70078/3	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21226003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/26/2012 0938	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
3 & 4 Methylphenol	5.00	5.10	102	70 - 130	
Naphthalene	5.00	5.11	102	70 - 130	
2-Nitroaniline	5.00	5.15	103	70 - 130	
3-Nitroaniline	5.00	5.28	106	70 - 130	
4-Nitroaniline	5.00	5.38	108	70 - 130	
Nitrobenzene	5.00	5.22	104	70 - 130	
2-Nitrophenol	5.00	5.42	108	70 - 130	
4-Nitrophenol	5.00	5.18	104	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.14	103	70 - 130	
N-Nitrosodiphenylamine	5.00	5.16	103	70 - 130	
Pentachlorophenol	10.0	9.55	95	70 - 130	
Phenanthrene	5.00	4.97	99	70 - 130	
Phenol	5.00	5.29	106	70 - 130	
Pyrene	5.00	5.19	104	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.15	103	70 - 130	
2,4,5-Trichlorophenol	5.00	5.22	104	70 - 130	
2,4,6-Trichlorophenol	5.00	5.47	109	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	102		50 - 150
2-Fluorophenol (Surr)	107	Q	50 - 150
Nitrobenzene-d5 (Surr)	100		50 - 150
Phenol-d5 (Surr)	104	Q	50 - 150
Terphenyl-d14 (Surr)	102		50 - 150
2,4,6-Tribromophenol (Surr)	106		50 - 150

Method Reporting Limit Check - Batch: 240-70078 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70078/16	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21226016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/26/2012 1442	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	5.10	102	70 - 130	
Acenaphthylene	5.00	5.33	107	70 - 130	
Anthracene	5.00	5.21	104	70 - 130	
Benzo[a]anthracene	5.00	5.22	104	70 - 130	
Benzo[a]pyrene	5.00	5.39	108	70 - 130	
Benzo[b]fluoranthene	5.00	5.28	106	70 - 130	
Benzo[g,h,i]perylene	5.00	5.42	108	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70078 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70078/16	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21226016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/26/2012 1442	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzoic acid	10.0	9.40	94	70 - 130	
Benzo[k]fluoranthene	5.00	4.89	98	70 - 130	
Benzyl alcohol	5.00	4.93	99	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.12	102	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.10	102	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.00	100	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.30	106	70 - 130	
Butyl benzyl phthalate	5.00	5.13	103	70 - 130	
Carbazole	5.00	5.07	101	70 - 130	
4-Chloro-3-methylphenol	5.00	5.24	105	70 - 130	
2-Chloronaphthalene	5.00	5.20	104	70 - 130	
2-Chlorophenol	5.00	5.17	103	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.04	101	70 - 130	
Chrysene	5.00	5.32	106	70 - 130	
Dibenz(a,h)anthracene	5.00	5.22	104	70 - 130	
Dibenzofuran	5.00	5.07	101	70 - 130	
1,2-Dichlorobenzene	5.00	5.08	102	70 - 130	
1,3-Dichlorobenzene	5.00	5.06	101	70 - 130	
1,4-Dichlorobenzene	5.00	5.11	102	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.19	104	70 - 130	
2,4-Dichlorophenol	5.00	5.30	106	70 - 130	
Diethyl phthalate	5.00	5.01	100	70 - 130	
2,4-Dimethylphenol	5.00	5.15	103	70 - 130	
Dimethyl phthalate	5.00	5.20	104	70 - 130	
Di-n-butyl phthalate	5.00	5.11	102	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.83	97	70 - 130	
2,4-Dinitrophenol	10.0	8.83	88	70 - 130	
2,4-Dinitrotoluene	5.00	5.35	107	70 - 130	
2,6-Dinitrotoluene	5.00	5.21	104	70 - 130	
Di-n-octyl phthalate	5.00	4.64	93	70 - 130	
Fluoranthene	5.00	5.09	102	70 - 130	
Fluorene	5.00	5.16	103	70 - 130	
Hexachlorobenzene	5.00	5.19	104	70 - 130	
Hexachlorobutadiene	5.00	5.04	101	70 - 130	
Hexachloroethane	5.00	5.16	103	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.53	111	70 - 130	
Isophorone	5.00	4.99	100	70 - 130	
2-Methylnaphthalene	5.00	5.15	103	70 - 130	
2-Methylphenol	5.00	5.18	104	70 - 130	
3 & 4 Methylphenol	5.00	5.00	100	70 - 130	
Naphthalene	5.00	5.10	102	70 - 130	
2-Nitroaniline	5.00	5.25	105	70 - 130	
3-Nitroaniline	5.00	5.36	107	70 - 130	
4-Nitroaniline	5.00	5.44	109	70 - 130	
Nitrobenzene	5.00	5.22	104	70 - 130	
2-Nitrophenol	5.00	5.21	104	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70078 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70078/16	Analysis Batch:	240-70078	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21226016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/26/2012 1442	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4-Nitrophenol	5.00	5.12	102	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.11	102	70 - 130	
N-Nitrosodiphenylamine	5.00	5.09	102	70 - 130	
Pentachlorophenol	10.0	10.9	109	70 - 130	
Phenanthrene	5.00	5.05	101	70 - 130	
Phenol	5.00	5.21	104	70 - 130	
Pyrene	5.00	5.24	105	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.36	107	70 - 130	
2,4,5-Trichlorophenol	5.00	5.38	108	70 - 130	
2,4,6-Trichlorophenol	5.00	5.46	109	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	103		50 - 150
2-Fluorophenol (Surr)	103		50 - 150
Nitrobenzene-d5 (Surr)	104	Q	50 - 150
Phenol-d5 (Surr)	104	Q	50 - 150
Terphenyl-d14 (Surr)	102		50 - 150
2,4,6-Tribromophenol (Surr)	110		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70417 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70417/4	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21228004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/28/2012 1100	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	4.90	98	70 - 130	
Acenaphthylene	5.00	5.06	101	70 - 130	
Anthracene	5.00	5.26	105	70 - 130	
Benzo[a]anthracene	5.00	5.17	103	70 - 130	
Benzo[a]pyrene	5.00	5.46	109	70 - 130	
Benzo[b]fluoranthene	5.00	5.44	109	70 - 130	
Benzo[g,h,i]perylene	5.00	5.32	106	70 - 130	
Benzoic acid	10.0	10.3	103	70 - 130	
Benzo[k]fluoranthene	5.00	5.30	106	70 - 130	
Benzyl alcohol	5.00	4.91	98	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.04	101	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.03	101	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.12	102	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.43	109	70 - 130	
Butyl benzyl phthalate	5.00	5.23	105	70 - 130	
Carbazole	5.00	5.27	105	70 - 130	
4-Chloro-3-methylphenol	5.00	5.28	106	70 - 130	
2-Chloronaphthalene	5.00	5.07	101	70 - 130	
2-Chlorophenol	5.00	5.24	105	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.13	103	70 - 130	
Chrysene	5.00	5.16	103	70 - 130	
Dibenz(a,h)anthracene	5.00	5.35	107	70 - 130	
Dibenzofuran	5.00	4.88	98	70 - 130	
1,2-Dichlorobenzene	5.00	5.14	103	70 - 130	
1,3-Dichlorobenzene	5.00	5.11	102	70 - 130	
1,4-Dichlorobenzene	5.00	5.22	104	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.41	108	70 - 130	
2,4-Dichlorophenol	5.00	5.17	103	70 - 130	
Diethyl phthalate	5.00	4.93	99	70 - 130	
2,4-Dimethylphenol	5.00	5.18	104	70 - 130	
Dimethyl phthalate	5.00	4.99	100	70 - 130	
Di-n-butyl phthalate	5.00	5.19	104	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	5.33	107	70 - 130	
2,4-Dinitrophenol	10.0	10.5	105	70 - 130	
2,4-Dinitrotoluene	5.00	5.15	103	70 - 130	
2,6-Dinitrotoluene	5.00	5.12	102	70 - 130	
Di-n-octyl phthalate	5.00	5.07	101	70 - 130	
Fluoranthene	5.00	5.23	105	70 - 130	
Fluorene	5.00	5.19	104	70 - 130	
Hexachlorobenzene	5.00	5.21	104	70 - 130	
Hexachlorobutadiene	5.00	5.24	105	70 - 130	
Hexachloroethane	5.00	5.17	103	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.42	108	70 - 130	
Isophorone	5.00	5.09	102	70 - 130	
2-Methylnaphthalene	5.00	5.00	100	70 - 130	
2-Methylphenol	5.00	5.31	106	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70417

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-70417/4	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21228004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/28/2012 1100	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
3 & 4 Methylphenol	5.00	4.89	98	70 - 130	
Naphthalene	5.00	5.13	103	70 - 130	
2-Nitroaniline	5.00	5.16	103	70 - 130	
3-Nitroaniline	5.00	5.24	105	70 - 130	
4-Nitroaniline	5.00	5.39	108	70 - 130	
Nitrobenzene	5.00	5.23	105	70 - 130	
2-Nitrophenol	5.00	5.53	111	70 - 130	
4-Nitrophenol	5.00	5.25	105	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.25	105	70 - 130	
N-Nitrosodiphenylamine	5.00	5.27	105	70 - 130	
Pentachlorophenol	10.0	10.8	108	70 - 130	
Phenanthrene	5.00	5.12	102	70 - 130	
Phenol	5.00	5.12	102	70 - 130	
Pyrene	5.00	5.31	106	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.27	105	70 - 130	
2,4,5-Trichlorophenol	5.00	5.17	103	70 - 130	
2,4,6-Trichlorophenol	5.00	5.31	106	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	100		50 - 150
2-Fluorophenol (Surr)	105		50 - 150
Nitrobenzene-d5 (Surr)	104	Q	50 - 150
Phenol-d5 (Surr)	106	Q	50 - 150
Terphenyl-d14 (Surr)	103		50 - 150
2,4,6-Tribromophenol (Surr)	104		50 - 150

Method Reporting Limit Check - Batch: 240-70417

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-70417/18	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21228018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/28/2012 1713	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	5.03	101	70 - 130	
Acenaphthylene	5.00	5.18	104	70 - 130	
Anthracene	5.00	5.19	104	70 - 130	
Benzo[a]anthracene	5.00	5.28	106	70 - 130	
Benzo[a]pyrene	5.00	5.34	107	70 - 130	
Benzo[b]fluoranthene	5.00	5.30	106	70 - 130	
Benzo[g,h,i]perylene	5.00	4.97	99	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70417 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70417/18	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21228018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/28/2012 1713	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzoic acid	10.0	9.60	96	70 - 130	
Benzo[k]fluoranthene	5.00	5.17	103	70 - 130	
Benzyl alcohol	5.00	5.15	103	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.09	102	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.10	102	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.24	105	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.17	103	70 - 130	
Butyl benzyl phthalate	5.00	5.37	107	70 - 130	
Carbazole	5.00	5.14	103	70 - 130	
4-Chloro-3-methylphenol	5.00	5.40	108	70 - 130	
2-Chloronaphthalene	5.00	5.11	102	70 - 130	
2-Chlorophenol	5.00	5.18	104	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.05	101	70 - 130	
Chrysene	5.00	5.20	104	70 - 130	
Dibenz(a,h)anthracene	5.00	5.25	105	70 - 130	
Dibenzofuran	5.00	5.01	100	70 - 130	
1,2-Dichlorobenzene	5.00	5.07	101	70 - 130	
1,3-Dichlorobenzene	5.00	5.18	104	70 - 130	
1,4-Dichlorobenzene	5.00	5.17	103	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.32	106	70 - 130	
2,4-Dichlorophenol	5.00	5.38	108	70 - 130	
Diethyl phthalate	5.00	5.08	102	70 - 130	
2,4-Dimethylphenol	5.00	5.24	105	70 - 130	
Dimethyl phthalate	5.00	5.16	103	70 - 130	
Di-n-butyl phthalate	5.00	5.23	105	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.87	97	70 - 130	
2,4-Dinitrophenol	10.0	8.44	84	70 - 130	
2,4-Dinitrotoluene	5.00	5.47	109	70 - 130	
2,6-Dinitrotoluene	5.00	5.36	107	70 - 130	
Di-n-octyl phthalate	5.00	5.28	106	70 - 130	
Fluoranthene	5.00	5.06	101	70 - 130	
Fluorene	5.00	5.11	102	70 - 130	
Hexachlorobenzene	5.00	5.06	101	70 - 130	
Hexachlorobutadiene	5.00	5.15	103	70 - 130	
Hexachloroethane	5.00	5.22	104	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.37	107	70 - 130	
Isophorone	5.00	5.22	104	70 - 130	
2-Methylnaphthalene	5.00	5.06	101	70 - 130	
2-Methylphenol	5.00	5.22	104	70 - 130	
3 & 4 Methylphenol	5.00	5.14	103	70 - 130	
Naphthalene	5.00	5.15	103	70 - 130	
2-Nitroaniline	5.00	5.54	111	70 - 130	
3-Nitroaniline	5.00	5.43	109	70 - 130	
4-Nitroaniline	5.00	5.68	114	70 - 130	
Nitrobenzene	5.00	5.24	105	70 - 130	
2-Nitrophenol	5.00	5.38	108	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70417

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-70417/18	Analysis Batch:	240-70417	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21228018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/28/2012 1713	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4-Nitrophenol	5.00	5.09	102	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.27	105	70 - 130	
N-Nitrosodiphenylamine	5.00	0.00080	0	70 - 130	U ^
Pentachlorophenol	10.0	10.4	104	70 - 130	
Phenanthrene	5.00	5.08	102	70 - 130	
Phenol	5.00	5.33	107	70 - 130	
Pyrene	5.00	5.28	106	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.23	105	70 - 130	
2,4,5-Trichlorophenol	5.00	5.33	107	70 - 130	
2,4,6-Trichlorophenol	5.00	5.34	107	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	102		50 - 150
2-Fluorophenol (Surr)	104		50 - 150
Nitrobenzene-d5 (Surr)	106	Q	50 - 150
Phenol-d5 (Surr)	107	Q	50 - 150
Terphenyl-d14 (Surr)	101		50 - 150
2,4,6-Tribromophenol (Surr)	107		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70582 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70582/4	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21229004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/29/2012 1322	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	4.98	100	70 - 130	
Acenaphthylene	5.00	5.19	104	70 - 130	
Anthracene	5.00	5.13	103	70 - 130	
Benzo[a]anthracene	5.00	4.85	97	70 - 130	
Benzo[a]pyrene	5.00	5.56	111	70 - 130	
Benzo[b]fluoranthene	5.00	5.65	113	70 - 130	
Benzo[g,h,i]perylene	5.00	4.60	92	70 - 130	
Benzoic acid	10.0	8.08	81	70 - 130	
Benzo[k]fluoranthene	5.00	5.78	116	70 - 130	
Benzyl alcohol	5.00	4.77	95	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.08	102	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.19	104	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.84	97	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.18	104	70 - 130	
Butyl benzyl phthalate	5.00	4.94	99	70 - 130	
Carbazole	5.00	5.14	103	70 - 130	
4-Chloro-3-methylphenol	5.00	5.07	101	70 - 130	
2-Chloronaphthalene	5.00	5.10	102	70 - 130	
2-Chlorophenol	5.00	5.08	102	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.28	106	70 - 130	
Chrysene	5.00	4.79	96	70 - 130	
Dibenz(a,h)anthracene	5.00	4.78	96	70 - 130	
Dibenzofuran	5.00	4.90	98	70 - 130	
1,2-Dichlorobenzene	5.00	5.09	102	70 - 130	
1,3-Dichlorobenzene	5.00	5.08	102	70 - 130	
1,4-Dichlorobenzene	5.00	4.98	100	70 - 130	
3,3'-Dichlorobenzidine	5.00	4.79	96	70 - 130	
2,4-Dichlorophenol	5.00	5.20	104	70 - 130	
Diethyl phthalate	5.00	5.07	101	70 - 130	
2,4-Dimethylphenol	5.00	5.18	104	70 - 130	
Dimethyl phthalate	5.00	5.21	104	70 - 130	
Di-n-butyl phthalate	5.00	5.34	107	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.41	88	70 - 130	
2,4-Dinitrophenol	10.0	7.96	80	70 - 130	
2,4-Dinitrotoluene	5.00	5.20	104	70 - 130	
2,6-Dinitrotoluene	5.00	5.33	107	70 - 130	
Di-n-octyl phthalate	5.00	5.42	108	70 - 130	
Fluoranthene	5.00	5.18	104	70 - 130	
Fluorene	5.00	5.11	102	70 - 130	
Hexachlorobenzene	5.00	5.23	105	70 - 130	
Hexachlorobutadiene	5.00	5.17	103	70 - 130	
Hexachloroethane	5.00	5.04	101	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	4.71	94	70 - 130	
Isophorone	5.00	5.17	103	70 - 130	
2-Methylnaphthalene	5.00	4.99	100	70 - 130	
2-Methylphenol	5.00	5.16	103	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70582 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70582/4	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21229004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/29/2012 1322	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
3 & 4 Methylphenol	5.00	4.92	98	70 - 130	
Naphthalene	5.00	5.05	101	70 - 130	
2-Nitroaniline	5.00	5.26	105	70 - 130	
3-Nitroaniline	5.00	5.18	104	70 - 130	
4-Nitroaniline	5.00	5.39	108	70 - 130	
Nitrobenzene	5.00	5.14	103	70 - 130	
2-Nitrophenol	5.00	5.18	104	70 - 130	
4-Nitrophenol	5.00	4.50	90	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.21	104	70 - 130	
N-Nitrosodiphenylamine	5.00	0.00080	0	70 - 130	U ^
Pentachlorophenol	10.0	9.77	98	70 - 130	
Phenanthrene	5.00	5.00	100	70 - 130	
Phenol	5.00	5.18	104	70 - 130	
Pyrene	5.00	5.16	103	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.18	104	70 - 130	
2,4,5-Trichlorophenol	5.00	5.18	104	70 - 130	
2,4,6-Trichlorophenol	5.00	5.13	103	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	103		50 - 150
2-Fluorophenol (Surr)	104		50 - 150
Nitrobenzene-d5 (Surr)	101	Q	50 - 150
Phenol-d5 (Surr)	103	Q	50 - 150
Terphenyl-d14 (Surr)	100		50 - 150
2,4,6-Tribromophenol (Surr)	106		50 - 150

Method Reporting Limit Check - Batch: 240-70582 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70582/24	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21229024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/29/2012 2110	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	5.07	101	70 - 130	
Acenaphthylene	5.00	5.18	104	70 - 130	
Anthracene	5.00	5.28	106	70 - 130	
Benzo[a]anthracene	5.00	5.20	104	70 - 130	
Benzo[a]pyrene	5.00	5.34	107	70 - 130	
Benzo[b]fluoranthene	5.00	5.95	119	70 - 130	
Benzo[g,h,i]perylene	5.00	3.11	62	70 - 130	^

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70582 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70582/24	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21229024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/29/2012 2110	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzoic acid	10.0	8.60	86	70 - 130	
Benzo[k]fluoranthene	5.00	5.75	115	70 - 130	
Benzyl alcohol	5.00	5.12	102	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.24	105	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.11	102	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.37	107	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.20	104	70 - 130	
Butyl benzyl phthalate	5.00	5.78	116	70 - 130	
Carbazole	5.00	5.15	103	70 - 130	
4-Chloro-3-methylphenol	5.00	5.37	107	70 - 130	
2-Chloronaphthalene	5.00	5.11	102	70 - 130	
2-Chlorophenol	5.00	5.14	103	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.15	103	70 - 130	
Chrysene	5.00	5.22	104	70 - 130	
Dibenz(a,h)anthracene	5.00	3.50	70	70 - 130	
Dibenzofuran	5.00	5.01	100	70 - 130	
1,2-Dichlorobenzene	5.00	5.06	101	70 - 130	
1,3-Dichlorobenzene	5.00	5.10	102	70 - 130	
1,4-Dichlorobenzene	5.00	5.17	103	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.07	101	70 - 130	
2,4-Dichlorophenol	5.00	5.32	106	70 - 130	
Diethyl phthalate	5.00	5.18	104	70 - 130	
2,4-Dimethylphenol	5.00	5.42	108	70 - 130	
Dimethyl phthalate	5.00	5.29	106	70 - 130	
Di-n-butyl phthalate	5.00	5.43	109	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	3.79	76	70 - 130	
2,4-Dinitrophenol	10.0	5.69	57	70 - 130	^
2,4-Dinitrotoluene	5.00	5.29	106	70 - 130	
2,6-Dinitrotoluene	5.00	5.33	107	70 - 130	
Di-n-octyl phthalate	5.00	6.61	132	70 - 130	^
Fluoranthene	5.00	5.07	101	70 - 130	
Fluorene	5.00	5.13	103	70 - 130	
Hexachlorobenzene	5.00	5.15	103	70 - 130	
Hexachlorobutadiene	5.00	5.30	106	70 - 130	
Hexachloroethane	5.00	5.22	104	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	3.65	73	70 - 130	
Isophorone	5.00	5.29	106	70 - 130	
2-Methylnaphthalene	5.00	5.20	104	70 - 130	
2-Methylphenol	5.00	5.24	105	70 - 130	
3 & 4 Methylphenol	5.00	5.07	101	70 - 130	
Naphthalene	5.00	5.12	102	70 - 130	
2-Nitroaniline	5.00	5.47	109	70 - 130	
3-Nitroaniline	5.00	5.48	110	70 - 130	
4-Nitroaniline	5.00	5.32	106	70 - 130	
Nitrobenzene	5.00	5.26	105	70 - 130	
2-Nitrophenol	5.00	5.30	106	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70582 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-70582/24	Analysis Batch:	240-70582	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21229024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/29/2012 2110	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4-Nitrophenol	5.00	4.68	94	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.15	103	70 - 130	
N-Nitrosodiphenylamine	5.00	5.18	104	70 - 130	
Pentachlorophenol	10.0	9.35	93	70 - 130	
Phenanthrene	5.00	5.09	102	70 - 130	
Phenol	5.00	5.16	103	70 - 130	
Pyrene	5.00	5.52	110	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.35	107	70 - 130	
2,4,5-Trichlorophenol	5.00	5.42	108	70 - 130	
2,4,6-Trichlorophenol	5.00	5.24	105	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	101		50 - 150
2-Fluorophenol (Surr)	103		50 - 150
Nitrobenzene-d5 (Surr)	104	Q	50 - 150
Phenol-d5 (Surr)	104	Q	50 - 150
Terphenyl-d14 (Surr)	107		50 - 150
2,4,6-Tribromophenol (Surr)	110		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-69540

Method: 8015B
Preparation: N/A

Lab Sample ID:	MB 240-69540/24	Analysis Batch:	240-69540	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	YF122024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/21/2012 0032	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
C6-C12	50	U	46	100

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	80	10 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-69540

Method: 8015B
Preparation: N/A

Lab Sample ID:	MRL 240-69540/23	Analysis Batch:	240-69540	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	YF122023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/20/2012 2354	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	100	96.4	96	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	78	70 - 130

Lab Control Sample - Batch: 240-69540

Method: 8015B
Preparation: N/A

Lab Sample ID:	LCS 240-69540/25	Analysis Batch:	240-69540	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	YF122025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/21/2012 0110	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	800	891	111	60 - 142	

Surrogate	% Rec		Acceptance Limits
Trifluorotoluene (Surr)	84	M	10 - 150

Method Reporting Limit Check - Batch: 240-69540

Method: 8015B
Preparation: N/A

Lab Sample ID:	MRL 240-69540/38	Analysis Batch:	240-69540	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	YF122038.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/21/2012 0922	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	100	90.9	91	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	78	70 - 130

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-69404

Method: 8015B_DRO/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-69404/17-A	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Client Matrix:	Solid	Prep Batch:	240-69404	Lab File ID:	P5F10024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/21/2012 0236	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
C10-C20	9.3	U	9.3	17
C20-C34	9.3	U	9.3	17

Surrogate	% Rec	Acceptance Limits
n-Nonane	55	10 - 110

Lab Control Sample - Batch: 240-69404

Method: 8015B_DRO/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-69404/18-A	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Client Matrix:	Solid	Prep Batch:	240-69404	Lab File ID:	P5F10025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/21/2012 0306	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	83.3	62.2	75	47 - 138	

Surrogate	% Rec	Acceptance Limits
n-Nonane	50	10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69404

Method: 8015B_DRO/DOD
Preparation: 3540C

MS Lab Sample ID:	240-18581-1	Analysis Batch:	240-70013	Instrument ID:	A2HP5F
Client Matrix:	Solid	Prep Batch:	240-69404	Lab File ID:	P5F10007.D
Dilution:	10	Leach Batch:	240-69073	Initial Weight/Volume:	30.39 g
Analysis Date:	12/24/2012 1516			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

MSD Lab Sample ID:	240-18581-1	Analysis Batch:	240-70013	Instrument ID:	A2HP5F
Client Matrix:	Solid	Prep Batch:	240-69404	Lab File ID:	P5F10008.D
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	29.87 g
Analysis Date:	12/24/2012 1546			Final Weight/Volume:	5 mL
Prep Date:	12/19/2012 1157			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel	261	-457	10 - 199	133	30	D 4	4 J

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
n-Nonane	42	15	10 - 110

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69404

Method: 8015B_DRO/DOD
Preparation: 3540C

MS Lab Sample ID:	240-18581-1	Units:	mg/Kg	MSD Lab Sample ID:	240-18581-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	10			Dilution:	1.0
Analysis Date:	12/24/2012 1516			Analysis Date:	12/24/2012 1546
Prep Date:	12/19/2012 1157			Prep Date:	12/19/2012 1157
Leach Date:	12/10/2012 1600			Leach Date:	12/10/2012 1600

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Diesel	650	101	103	919	D 4	184	4 J

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-69606 **Method: 8015B_DRO/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-69606/4	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P5F10004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/20/2012 1630	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	100	106	106	70 - 130	

Surrogate	% Rec	Acceptance Limits
n-Nonane	76	70 - 130

Method Reporting Limit Check - Batch: 240-69606 **Method: 8015B_DRO/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-69606/47	Analysis Batch:	240-69606	Instrument ID:	A2HP5F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P5F10047.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/21/2012 1411	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	100	95.8	96	70 - 130	J

Surrogate	% Rec	Acceptance Limits
n-Nonane	74	70 - 130

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-69794

Method: 8015B_DRO/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-69794/6-A	Analysis Batch:	240-70006	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-69794	Lab File ID:	P6F24021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/25/2012 0137	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/21/2012 1138			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
C10-C20	9.3	U	9.3	17
C20-C34	9.3	U	9.3	17

Surrogate	% Rec	Acceptance Limits
n-Nonane	62	10 - 110

Lab Control Sample - Batch: 240-69794

Method: 8015B_DRO/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-69794/7-A	Analysis Batch:	240-70006	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-69794	Lab File ID:	P6F24022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/25/2012 0216	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/21/2012 1138			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	83.3	69.3	83	47 - 138	

Surrogate	% Rec	Acceptance Limits
n-Nonane	67	10 - 110

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69794

Method: 8015B_DRO/DOD
Preparation: 3540C

MS Lab Sample ID:	240-18581-2	Analysis Batch:	240-70006	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-69794	Lab File ID:	P6F24024.D
Dilution:	5.0	Leach Batch:	240-69073	Initial Weight/Volume:	29.94 g
Analysis Date:	12/25/2012 0334			Final Weight/Volume:	5 mL
Prep Date:	12/21/2012 1138			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

MSD Lab Sample ID:	240-18581-2	Analysis Batch:	240-70006	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-69794	Lab File ID:	P6F24025.D
Dilution:	5.0	Leach Batch:	240-69073	Initial Weight/Volume:	29.77 g
Analysis Date:	12/25/2012 0413			Final Weight/Volume:	5 mL
Prep Date:	12/21/2012 1138			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel	68	173	10 - 199	14	30	D 4	D 4

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
n-Nonane	60	51	10 - 110

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69794

Method: 8015B_DRO/DOD
Preparation: 3540C

MS Lab Sample ID:	240-18581-2	Units:	mg/Kg	MSD Lab Sample ID:	240-18581-2
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	12/25/2012 0334			Analysis Date:	12/25/2012 0413
Prep Date:	12/21/2012 1138			Prep Date:	12/21/2012 1138
Leach Date:	12/10/2012 1600			Leach Date:	12/10/2012 1600

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Diesel	650	104	105	716	D 4	827	D 4

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70013

Method: 8015B_DRO/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-70013/4	Analysis Batch:	240-70013	Instrument ID:	A2HP5F
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P5F10004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/24/2012 1345	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	100	99.1	99	70 - 130	J

Surrogate	% Rec	Acceptance Limits
n-Nonane	76	70 - 130

Method Reporting Limit Check - Batch: 240-70013

Method: 8015B_DRO/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-70013/31	Analysis Batch:	240-70013	Instrument ID:	A2HP5F
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P5F10031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/25/2012 0314	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	100	97.0	97	70 - 130	J

Surrogate	% Rec	Acceptance Limits
n-Nonane	77	70 - 130

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-69426

Method: 8081/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-69426/6-A	Analysis Batch:	240-69893	Instrument ID:	A2HP9
Client Matrix:	Solid	Prep Batch:	240-69426	Lab File ID:	P9122229.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/22/2012 2256	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/19/2012 1253			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
4,4'-DDD	0.67	U	0.62	2.0
4,4'-DDE	0.67	U	0.39	1.7
4,4'-DDT	0.67	U	0.63	2.0
Aldrin	1.3	U	1.2	4.0
alpha-BHC	1.3	U	0.73	2.5
alpha-Chlordane	1.3	U	0.94	3.0
beta-BHC	1.3	U	1.1	3.5
delta-BHC	1.3	U	1.2	4.0
Dieldrin	0.67	U	0.47	1.7
Endosulfan I	0.67	U	0.52	1.7
Endosulfan II	1.3	U	0.82	2.5
Endosulfan sulfate	1.3	U	0.87	3.0
Endrin	0.67	U	0.50	1.7
Endrin aldehyde	1.3	U	1.0	3.0
Endrin ketone	0.67	U	0.63	2.0
gamma-BHC (Lindane)	1.3	U	0.74	2.5
gamma-Chlordane	0.67	U	0.42	1.7
Heptachlor	1.3	U	1.1	3.5
Heptachlor epoxide	1.3	U	0.80	2.5
Methoxychlor	3.3	U	1.5	5.0
Toxaphene	20	U	19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	55 - 130
Tetrachloro-m-xylene	103	70 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	88	55 - 130
Tetrachloro-m-xylene	107	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Control Sample - Batch: 240-69426

Method: 8081/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-69426/7-A	Analysis Batch:	240-69893	Instrument ID:	A2HP9
Client Matrix:	Solid	Prep Batch:	240-69426	Lab File ID:	P9122220.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/22/2012 1915	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/19/2012 1253			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	33.3	28.6	86	30 - 135	
4,4'-DDE	33.3	28.0	84	70 - 125	
4,4'-DDT	33.3	28.4	85	45 - 140	
Aldrin	33.3	27.8	83	45 - 140	
alpha-BHC	33.3	28.7	86	60 - 125	
alpha-Chlordane	33.3	26.8	80	65 - 120	
beta-BHC	33.3	26.2	78	60 - 125	
delta-BHC	33.3	29.2	88	55 - 130	
Dieldrin	33.3	29.5	89	65 - 125	
Endosulfan I	33.3	26.2	79	15 - 135	
Endosulfan II	33.3	25.0	75	35 - 140	
Endosulfan sulfate	33.3	28.9	87	60 - 135	
Endrin	33.3	26.4	79	60 - 135	
Endrin aldehyde	33.3	30.1	90	35 - 145	
Endrin ketone	33.3	23.8	71	65 - 135	
gamma-BHC (Lindane)	33.3	26.1	78	60 - 125	
gamma-Chlordane	33.3	27.3	82	65 - 125	
Heptachlor	33.3	25.9	78	50 - 140	
Heptachlor epoxide	33.3	30.3	91	65 - 130	
Methoxychlor	33.3	27.8	83	55 - 145	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	83	55 - 130
Tetrachloro-m-xylene	82	70 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	85	55 - 130
Tetrachloro-m-xylene	88	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69426

Method: 8081/DOD
Preparation: 3540C

MS Lab Sample ID:	240-18581-1	Analysis Batch:	240-69893	Instrument ID:	A2HP9
Client Matrix:	Solid	Prep Batch:	240-69426	Lab File ID:	P9122222.D
Dilution:	50	Leach Batch:	240-69073	Initial Weight/Volume:	29.92 g
Analysis Date:	12/22/2012 2004			Final Weight/Volume:	10 mL
Prep Date:	12/19/2012 1253			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600			Column ID:	PRIMARY

MSD Lab Sample ID:	240-18581-1	Analysis Batch:	240-69893	Instrument ID:	A2HP9
Client Matrix:	Solid	Prep Batch:	240-69426	Lab File ID:	P9122223.D
Dilution:	50	Leach Batch:	240-69073	Initial Weight/Volume:	30.16 g
Analysis Date:	12/22/2012 2028			Final Weight/Volume:	10 mL
Prep Date:	12/19/2012 1253			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	0	0	30 - 135	NC	30	U J	U M J
4,4'-DDE	88	102	70 - 125	14	30	J D	J D
4,4'-DDT	0	0	45 - 140	NC	30	U J	U J
Aldrin	NC	NC	45 - 140	NC	30	U	U
alpha-BHC	NC	NC	60 - 125	NC	30	U	U
alpha-Chlordane	NC	NC	65 - 120	NC	30	U	U
beta-BHC	NC	NC	60 - 125	NC	30	U	U
delta-BHC	NC	NC	55 - 130	NC	30	U	U
Dieldrin	80	101	65 - 125	22	30	J D	J D
Endosulfan I	89	107	15 - 135	18	30	J D	J D
Endosulfan II	NC	NC	35 - 140	NC	30	U	U M
Endosulfan sulfate	NC	NC	60 - 135	NC	30	U	U
Endrin	80	92	60 - 135	13	30	J D	J D
Endrin aldehyde	NC	NC	35 - 145	NC	30	U	U
Endrin ketone	0	95	65 - 135	200	30	U J	D J
gamma-BHC (Lindane)	NC	NC	60 - 125	NC	30	U	U
gamma-Chlordane	82	101	65 - 125	20	30	J D	J D
Heptachlor	NC	NC	50 - 140	NC	30	U	U
Heptachlor epoxide	NC	NC	65 - 130	NC	30	U	U J
Methoxychlor	NC	NC	55 - 145	NC	30	U	U

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	74		92	M	55 - 130
Tetrachloro-m-xylene	137	Q	177	Q	70 - 125

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	153	Q	93		55 - 130
Tetrachloro-m-xylene	301	Q	347	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69426

Method: 8081/DOD
Preparation: 3540C

MS Lab Sample ID:	240-18581-1	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	50		
Analysis Date:	12/22/2012 2004		
Prep Date:	12/19/2012 1253		
Leach Date:	12/10/2012 1600		

MSD Lab Sample ID:	240-18581-1
Client Matrix:	Solid
Dilution:	50
Analysis Date:	12/22/2012 2028
Prep Date:	12/19/2012 1253
Leach Date:	12/10/2012 1600

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
4,4'-DDD	33	U	33.4	33.2	34	U J	33	U M J
4,4'-DDE	33	U	33.4	33.2	29.5	J D	33.9	J D
4,4'-DDT	33	U	33.4	33.2	34	U J	33	U J
Aldrin	66	U	33.4	33.2	67	U	66	U
alpha-BHC	66	U	33.4	33.2	67	U	66	U
alpha-Chlordane	66	U	33.4	33.2	67	U	66	U
beta-BHC	66	U	33.4	33.2	67	U	66	U
delta-BHC	66	U	33.4	33.2	67	U	66	U
Dieldrin	33	U	33.4	33.2	26.8	J D	33.3	J D
Endosulfan I	33	U	33.4	33.2	29.6	J D	35.5	J D
Endosulfan II	66	U	33.4	33.2	67	U	66	U M
Endosulfan sulfate	66	U	33.4	33.2	67	U	66	U
Endrin	33	U	33.4	33.2	26.8	J D	30.6	J D
Endrin aldehyde	66	U	33.4	33.2	67	U	66	U
Endrin ketone	33	U	33.4	33.2	34	U J	31.4	D J
gamma-BHC (Lindane)	66	U	33.4	33.2	67	U	66	U
gamma-Chlordane	33	U	33.4	33.2	27.4	J D	33.6	J D
Heptachlor	66	U	33.4	33.2	67	U	66	U
Heptachlor epoxide	66	U	33.4	33.2	67	U	66	U J
Methoxychlor	160	U	33.4	33.2	170	U	160	U

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-69893

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69893/19	Analysis Batch:	240-69893	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9122219.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/22/2012 1851	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00509	102	70 - 130	M
4,4'-DDE	0.00500	0.00499	100	70 - 130	J
4,4'-DDT	0.00500	0.00491	98	70 - 130	J
Aldrin	0.00500	0.00510	102	70 - 130	
alpha-BHC	0.00500	0.00481	96	70 - 130	J
alpha-Chlordane	0.00500	0.00516	103	70 - 130	
beta-BHC	0.00500	0.00527	105	70 - 130	
delta-BHC	0.00500	0.00464	93	70 - 130	J
Dieldrin	0.00500	0.00522	104	70 - 130	
Endosulfan I	0.00500	0.00554	111	70 - 130	
Endosulfan II	0.00500	0.00550	110	70 - 130	M
Endosulfan sulfate	0.00500	0.00532	106	70 - 130	
Endrin	0.00500	0.00548	110	70 - 130	
Endrin aldehyde	0.00500	0.00555	111	70 - 130	
Endrin ketone	0.00500	0.00548	110	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00505	101	70 - 130	
gamma-Chlordane	0.00500	0.00514	103	70 - 130	
Heptachlor	0.00500	0.00561	112	70 - 130	
Heptachlor epoxide	0.00500	0.00544	109	70 - 130	
Methoxychlor	0.00500	0.00507	101	70 - 130	J

Method Reporting Limit Check - Batch: 240-69893

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69893/19	Analysis Batch:	240-69893	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9122219.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/22/2012 1851	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00529	106	70 - 130	
4,4'-DDE	0.00500	0.00508	102	70 - 130	
4,4'-DDT	0.00500	0.00493	99	70 - 130	J
Aldrin	0.00500	0.00498	100	70 - 130	J
alpha-BHC	0.00500	0.00456	91	70 - 130	J
alpha-Chlordane	0.00500	0.00533	107	70 - 130	
beta-BHC	0.00500	0.00553	111	70 - 130	
delta-BHC	0.00500	0.00473	95	70 - 130	J
Dieldrin	0.00500	0.00545	109	70 - 130	
Endosulfan I	0.00500	0.00581	116	70 - 130	
Endosulfan II	0.00500	0.00529	106	70 - 130	
Endosulfan sulfate	0.00500	0.00534	107	70 - 130	

Method Reporting Limit Check - Batch: 240-69893

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69893/19	Analysis Batch:	240-69893	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9122219.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/22/2012 1851	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.00500	0.00556	111	70 - 130	
Endrin aldehyde	0.00500	0.00580	116	70 - 130	
Endrin ketone	0.00500	0.00556	111	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00498	100	70 - 130	J
gamma-Chlordane	0.00500	0.00528	106	70 - 130	
Heptachlor	0.00500	0.00597	119	70 - 130	
Heptachlor epoxide	0.00500	0.00557	111	70 - 130	
Methoxychlor	0.00500	0.00559	112	70 - 130	J

Method Reporting Limit Check - Batch: 240-69893

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69893/43	Analysis Batch:	240-69893	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9122243.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/23/2012 0437	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00638	128	70 - 130	M
4,4'-DDE	0.00500	0.00624	125	70 - 130	
4,4'-DDT	0.00500	0.00586	117	70 - 130	
Aldrin	0.00500	0.00651	130	70 - 130	
alpha-BHC	0.00500	0.00636	127	70 - 130	
alpha-Chlordane	0.00500	0.00672	134	70 - 130	^
beta-BHC	0.00500	0.00711	142	70 - 130	^
delta-BHC	0.00500	0.00641	128	70 - 130	
Dieldrin	0.00500	0.00635	127	70 - 130	
Endosulfan I	0.00500	0.00665	133	70 - 130	^
Endosulfan II	0.00500	0.00643	129	70 - 130	M
Endosulfan sulfate	0.00500	0.00662	132	70 - 130	^
Endrin	0.00500	0.00625	125	70 - 130	
Endrin aldehyde	0.00500	0.00619	124	70 - 130	
Endrin ketone	0.00500	0.00632	126	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00668	134	70 - 130	^
gamma-Chlordane	0.00500	0.00671	134	70 - 130	^
Heptachlor	0.00500	0.00611	122	70 - 130	
Heptachlor epoxide	0.00500	0.00683	137	70 - 130	^
Methoxychlor	0.00500	0.00639	128	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-69893

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69893/43	Analysis Batch:	240-69893	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9122243.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/23/2012 0437	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00632	126	70 - 130	
4,4'-DDE	0.00500	0.00634	127	70 - 130	
4,4'-DDT	0.00500	0.00624	125	70 - 130	
Aldrin	0.00500	0.00661	132	70 - 130	^
alpha-BHC	0.00500	0.00600	120	70 - 130	
alpha-Chlordane	0.00500	0.00687	137	70 - 130	^
beta-BHC	0.00500	0.00724	145	70 - 130	^
delta-BHC	0.00500	0.00642	128	70 - 130	
Dieldrin	0.00500	0.00657	131	70 - 130	^
Endosulfan I	0.00500	0.00690	138	70 - 130	^
Endosulfan II	0.00500	0.00632	126	70 - 130	
Endosulfan sulfate	0.00500	0.00658	132	70 - 130	^
Endrin	0.00500	0.00630	126	70 - 130	
Endrin aldehyde	0.00500	0.00634	127	70 - 130	
Endrin ketone	0.00500	0.00631	126	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00657	131	70 - 130	^
gamma-Chlordane	0.00500	0.00674	135	70 - 130	^
Heptachlor	0.00500	0.00654	131	70 - 130	^
Heptachlor epoxide	0.00500	0.00695	139	70 - 130	^
Methoxychlor	0.00500	0.00669	134	70 - 130	J ^

Method Reporting Limit Check - Batch: 240-71028

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-71028/14	Analysis Batch:	240-71028	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9010314.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/03/2013 2035	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00516	103	70 - 130	
4,4'-DDE	0.00500	0.00539	108	70 - 130	
4,4'-DDT	0.00500	0.00476	95	70 - 130	J
Aldrin	0.00500	0.00553	111	70 - 130	
alpha-BHC	0.00500	0.00528	106	70 - 130	
alpha-Chlordane	0.00500	0.00559	112	70 - 130	
beta-BHC	0.00500	0.00568	114	70 - 130	
delta-BHC	0.00500	0.00504	101	70 - 130	
Dieldrin	0.00500	0.00545	109	70 - 130	
Endosulfan I	0.00500	0.00580	116	70 - 130	
Endosulfan II	0.00500	0.00600	120	70 - 130	
Endosulfan sulfate	0.00500	0.00566	113	70 - 130	
Endrin	0.00500	0.00568	114	70 - 130	
Endrin aldehyde	0.00500	0.00584	117	70 - 130	
Endrin ketone	0.00500	0.00586	117	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00538	108	70 - 130	
gamma-Chlordane	0.00500	0.00549	110	70 - 130	
Heptachlor	0.00500	0.00575	115	70 - 130	
Heptachlor epoxide	0.00500	0.00573	115	70 - 130	
Methoxychlor	0.00500	0.00519	104	70 - 130	J

Method Reporting Limit Check - Batch: 240-71028

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-71028/14	Analysis Batch:	240-71028	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9010314.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/03/2013 2035	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00562	112	70 - 130	
4,4'-DDE	0.00500	0.00723	145	70 - 130	^
4,4'-DDT	0.00500	0.00508	102	70 - 130	
Aldrin	0.00500	0.00550	110	70 - 130	
alpha-BHC	0.00500	0.00488	98	70 - 130	J
alpha-Chlordane	0.00500	0.00568	114	70 - 130	
beta-BHC	0.00500	0.00600	120	70 - 130	
delta-BHC	0.00500	0.00496	99	70 - 130	J
Dieldrin	0.00500	0.00593	119	70 - 130	
Endosulfan I	0.00500	0.00610	122	70 - 130	
Endosulfan II	0.00500	0.00562	112	70 - 130	
Endosulfan sulfate	0.00500	0.00547	109	70 - 130	

Method Reporting Limit Check - Batch: 240-71028

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-71028/14	Analysis Batch:	240-71028	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9010314.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/03/2013 2035	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.00500	0.00579	116	70 - 130	
Endrin aldehyde	0.00500	0.00592	118	70 - 130	
Endrin ketone	0.00500	0.00568	114	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00528	106	70 - 130	
gamma-Chlordane	0.00500	0.00557	111	70 - 130	
Heptachlor	0.00500	0.00608	122	70 - 130	
Heptachlor epoxide	0.00500	0.00589	118	70 - 130	
Methoxychlor	0.00500	0.00550	110	70 - 130	J

Method Reporting Limit Check - Batch: 240-71028

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-71028/46	Analysis Batch:	240-71028	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9010347.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/04/2013 1038	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00548	110	70 - 130	
4,4'-DDE	0.00500	0.00544	109	70 - 130	
4,4'-DDT	0.00500	0.00499	100	70 - 130	J
Aldrin	0.00500	0.00556	111	70 - 130	
alpha-BHC	0.00500	0.00527	105	70 - 130	
alpha-Chlordane	0.00500	0.00568	114	70 - 130	
beta-BHC	0.00500	0.00580	116	70 - 130	
delta-BHC	0.00500	0.00490	98	70 - 130	J
Dieldrin	0.00500	0.00556	111	70 - 130	
Endosulfan I	0.00500	0.00584	117	70 - 130	
Endosulfan II	0.00500	0.00597	119	70 - 130	
Endosulfan sulfate	0.00500	0.00546	109	70 - 130	
Endrin	0.00500	0.00593	119	70 - 130	
Endrin aldehyde	0.00500	0.00582	116	70 - 130	
Endrin ketone	0.00500	0.00569	114	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00530	106	70 - 130	
gamma-Chlordane	0.00500	0.00546	109	70 - 130	
Heptachlor	0.00500	0.00572	114	70 - 130	
Heptachlor epoxide	0.00500	0.00590	118	70 - 130	
Methoxychlor	0.00500	0.00520	104	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-71028

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-71028/46	Analysis Batch:	240-71028	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9010347.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/04/2013 1038	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00544	109	70 - 130	
4,4'-DDE	0.00500	0.00563	113	70 - 130	
4,4'-DDT	0.00500	0.00492	98	70 - 130	J
Aldrin	0.00500	0.00549	110	70 - 130	
alpha-BHC	0.00500	0.00485	97	70 - 130	J
alpha-Chlordane	0.00500	0.00577	115	70 - 130	
beta-BHC	0.00500	0.00610	122	70 - 130	
delta-BHC	0.00500	0.00497	99	70 - 130	J
Dieldrin	0.00500	0.00571	114	70 - 130	
Endosulfan I	0.00500	0.00610	122	70 - 130	
Endosulfan II	0.00500	0.00544	109	70 - 130	
Endosulfan sulfate	0.00500	0.00514	103	70 - 130	
Endrin	0.00500	0.00571	114	70 - 130	
Endrin aldehyde	0.00500	0.00557	111	70 - 130	
Endrin ketone	0.00500	0.00524	105	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00522	104	70 - 130	
gamma-Chlordane	0.00500	0.00557	111	70 - 130	
Heptachlor	0.00500	0.00605	121	70 - 130	
Heptachlor epoxide	0.00500	0.00601	120	70 - 130	
Methoxychlor	0.00500	0.00512	102	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-69415

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-69415/23-A	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-69415	Lab File ID:	P4000018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/21/2012 1046	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/19/2012 1221			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	25	U	16	50
Aroclor-1016	25	U	21	65
Aroclor-1232	25	U	14	45
Aroclor-1242	25	U	13	40
Aroclor-1248	25	U	17	55
Aroclor-1254	25	U	17	55
Aroclor-1260	25	U	17	55

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	89	40 - 140
DCB Decachlorobiphenyl	88	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	103	40 - 140
DCB Decachlorobiphenyl	87	60 - 125

Lab Control Sample - Batch: 240-69415

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-69415/24-A	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-69415	Lab File ID:	P4000024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/21/2012 1220	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/19/2012 1221			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	308	92	40 - 140	
Aroclor-1260	333	267	80	60 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	84		40 - 140
DCB Decachlorobiphenyl	120	M	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	85	40 - 140
DCB Decachlorobiphenyl	93	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-69717

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69717/10	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/21/2012 0840	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0614	123	70 - 130	
Aroclor-1260	0.0500	0.0589	118	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	117	50 - 150
DCB Decachlorobiphenyl	109	50 - 150

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	121	50 - 150
DCB Decachlorobiphenyl	106	50 - 150

Method Reporting Limit Check - Batch: 240-69717

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69717/26	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/21/2012 1252	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0597	119	70 - 130	
Aroclor-1260	0.0500	0.0591	118	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	115	50 - 150
DCB Decachlorobiphenyl	118	50 - 150

Method Reporting Limit Check - Batch: 240-69717

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69717/26	Analysis Batch:	240-69717	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/21/2012 1252	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0662	132	70 - 130	^
Aroclor-1260	0.0500	0.0589	118	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	122	50 - 150
DCB Decachlorobiphenyl	116	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-70113

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-70113/18-A	Analysis Batch:	240-70556	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-70113	Lab File ID:	P4000014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/29/2012 2201	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/26/2012 1028			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	25	U	16	50
Aroclor-1016	25	U	21	65
Aroclor-1232	25	U	14	45
Aroclor-1242	25	U	13	40
Aroclor-1248	25	U	17	55
Aroclor-1254	25	U	17	55
Aroclor-1260	25	U	17	55

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	82	40 - 140
DCB Decachlorobiphenyl	75	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	139	40 - 140
DCB Decachlorobiphenyl	76	60 - 125

Lab Control Sample - Batch: 240-70113

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-70113/19-A	Analysis Batch:	240-70556	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-70113	Lab File ID:	P4000025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/30/2012 0053	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/26/2012 1028			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	214	64	40 - 140	
Aroclor-1260	333	215	64	60 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	66	40 - 140
DCB Decachlorobiphenyl	62	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	71	40 - 140
DCB Decachlorobiphenyl	66	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-70113

Method: 8082/DOD
Preparation: 3540C

MS Lab Sample ID:	240-18581-6	Analysis Batch:	240-70556	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-70113	Lab File ID:	P4000007.D
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	29.86 g
Analysis Date:	12/29/2012 2010			Final Weight/Volume:	10 mL
Prep Date:	12/26/2012 1028			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600			Column ID:	PRIMARY

MSD Lab Sample ID:	240-18581-6	Analysis Batch:	240-70556	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-70113	Lab File ID:	P4000008.D
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	29.65 g
Analysis Date:	12/29/2012 2026			Final Weight/Volume:	10 mL
Prep Date:	12/26/2012 1028			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600			Column ID:	PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	70	60	40 - 140	14	30	H	H
Aroclor-1260	70	61	60 - 130	14	30	H	H

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	67	60		40 - 140
DCB Decachlorobiphenyl	75	59	Q	60 - 125

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	74	63	40 - 140
DCB Decachlorobiphenyl	81	63	60 - 125

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-70113

Method: 8082/DOD
Preparation: 3540C

MS Lab Sample ID:	240-18581-6	Units:	ug/Kg	MSD Lab Sample ID:	240-18581-6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/29/2012 2010			Analysis Date:	12/29/2012 2026
Prep Date:	12/26/2012 1028			Prep Date:	12/26/2012 1028
Leach Date:	12/10/2012 1600			Leach Date:	12/10/2012 1600

	Sample		MS Spike	MSD Spike	MS		MSD	
Analyte	Result/Qual		Amount	Amount	Result/Qual		Result/Qual	
Aroclor-1016	25	U	335	337	235	H	204	H
Aroclor-1260	25	U	335	337	236	H	206	H

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70556 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-70556/4	Analysis Batch:	240-70556	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/29/2012 1923	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0552	110	70 - 130	
Aroclor-1260	0.0500	0.0564	113	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	105	50 - 150
DCB Decachlorobiphenyl	119	50 - 150

Method Reporting Limit Check - Batch: 240-70556 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-70556/4	Analysis Batch:	240-70556	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/29/2012 1923	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0639	128	70 - 130	
Aroclor-1260	0.0500	0.0622	124	70 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	120		50 - 150
DCB Decachlorobiphenyl	131	Q	50 - 150

Method Reporting Limit Check - Batch: 240-70556 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-70556/27	Analysis Batch:	240-70556	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/30/2012 0125	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0594	119	70 - 130	
Aroclor-1260	0.0500	0.0581	116	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	112	50 - 150
DCB Decachlorobiphenyl	111	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70556

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-70556/27	Analysis Batch:	240-70556	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/30/2012 0125	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0675	135	70 - 130	^
Aroclor-1260	0.0500	0.0569	114	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	126	50 - 150
DCB Decachlorobiphenyl	104	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-70774

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-70774/19-A	Analysis Batch:	240-70882	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-70774	Lab File ID:	P4000014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	01/02/2013 1705	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/31/2012 1358			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	25	U	16	50
Aroclor-1016	25	U	21	65
Aroclor-1232	25	U	14	45
Aroclor-1242	25	U	13	40
Aroclor-1248	25	U	17	55
Aroclor-1254	25	U	17	55
Aroclor-1260	25	U	17	55

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	89	40 - 140
DCB Decachlorobiphenyl	76	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	75	40 - 140
DCB Decachlorobiphenyl	62	60 - 125

Lab Control Sample - Batch: 240-70774

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-70774/18-A	Analysis Batch:	240-70882	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-70774	Lab File ID:	P4000025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	01/02/2013 1958	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/31/2012 1358			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	267	80	40 - 140	
Aroclor-1260	333	226	68	60 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	86	40 - 140
DCB Decachlorobiphenyl	80	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	76	40 - 140
DCB Decachlorobiphenyl	60	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70882 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-70882/4	Analysis Batch:	240-70882	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/02/2013 1428	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0596	119	70 - 130	
Aroclor-1260	0.0500	0.0579	116	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	114	50 - 150
DCB Decachlorobiphenyl	122	50 - 150

Method Reporting Limit Check - Batch: 240-70882 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-70882/4	Analysis Batch:	240-70882	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/02/2013 1428	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0529	106	70 - 130	
Aroclor-1260	0.0500	0.0530	106	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	99	50 - 150
DCB Decachlorobiphenyl	113	50 - 150

Method Reporting Limit Check - Batch: 240-70882 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-70882/27	Analysis Batch:	240-70882	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/02/2013 2029	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0613	123	70 - 130	
Aroclor-1260	0.0500	0.0422	84	70 - 130	J

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	117		50 - 150
DCB Decachlorobiphenyl	0	Q ^	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-70882

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-70882/27	Analysis Batch:	240-70882	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	01/02/2013 2029	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0525	105	70 - 130	
Aroclor-1260	0.0500	0.0459	92	70 - 130	J

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	105		50 - 150
DCB Decachlorobiphenyl	0	Q ^	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-69221

Method: 8151/DOD
Preparation: 8151A

Lab Sample ID:	MB 240-69221/23-A	Analysis Batch:	240-69890	Instrument ID:	A2HP1
Client Matrix:	Solid	Prep Batch:	240-69221	Lab File ID:	P1000044.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	12/23/2012 0356	Units:	ug/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/18/2012 1108			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
2,4-D	33	U	19	80
Dalapon	17	U	7.8	40
2,4-DB	33	U	22	80
Dicamba	17	U	8.1	40
Dichlorprop	67	U	37	80
Dinoseb	10	U	10	12
MCPA	3300	U	1700	8000
MCPP	3300	U	1500	8000
Pentachlorophenol	8.3	U	4.3	10
Silvex (2,4,5-TP)	8.3	U	4.1	20
2,4,5-T	8.3	U	3.8	20

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	80	19 - 122

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	73	19 - 122

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Control Sample - Batch: 240-69221

Method: 8151/DOD
Preparation: 8151A

Lab Sample ID:	LCS 240-69221/24-A	Analysis Batch:	240-69890	Instrument ID:	A2HP1
Client Matrix:	Solid	Prep Batch:	240-69221	Lab File ID:	P1000045.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	12/23/2012 0419	Units:	ug/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/18/2012 1108			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	667	603	90	35 - 145	
Dalapon	333	234	70	30 - 122	
2,4-DB	667	558	84	50 - 155	
Dicamba	333	285	86	55 - 110	
Dichlorprop	667	761	114	75 - 140	
Dinoseb	100	13.2	13	5 - 130	
MCPA	66700	63500	95	25 - 132	
Silvex (2,4,5-TP)	167	144	86	45 - 125	
2,4,5-T	167	146	88	45 - 135	

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	88	19 - 122

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	78	19 - 122

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69221

Method: 8151/DOD
Preparation: 8151A

MS Lab Sample ID:	240-18581-3	Analysis Batch:	240-69890	Instrument ID:	A2HP1
Client Matrix:	Solid	Prep Batch:	240-69221	Lab File ID:	P1000022.D
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	29.95 g
Analysis Date:	12/22/2012 1919			Final Weight/Volume:	100 mL
Prep Date:	12/18/2012 1108			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600			Column ID:	PRIMARY

MSD Lab Sample ID:	240-18581-3	Analysis Batch:	240-69890	Instrument ID:	A2HP1
Client Matrix:	Solid	Prep Batch:	240-69221	Lab File ID:	P1000023.D
Dilution:	1.0	Leach Batch:	240-69073	Initial Weight/Volume:	30.19 g
Analysis Date:	12/22/2012 1942			Final Weight/Volume:	100 mL
Prep Date:	12/18/2012 1108			Injection Volume:	1 uL
Leach Date:	12/10/2012 1600			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-D	77	71	35 - 145	8	30		
Dalapon	54	52	30 - 122	5	30		
2,4-DB	70	67	50 - 155	4	30		
Dicamba	69	64	55 - 110	9	30		
Dichlorprop	91	85	75 - 140	8	30		
Dinoseb	44	35	5 - 130	24	30		
MCPA	70	68	25 - 132	4	30		
Silvex (2,4,5-TP)	71	65	45 - 125	9	30		
2,4,5-T	74	69	45 - 135	9	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	67	65	19 - 122

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	67	64	19 - 122

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-69221

Method: 8151/DOD
Preparation: 8151A

MS Lab Sample ID:	240-18581-3	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	12/22/2012 1919		
Prep Date:	12/18/2012 1108		
Leach Date:	12/10/2012 1600		

MSD Lab Sample ID:	240-18581-3
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	12/22/2012 1942
Prep Date:	12/18/2012 1108
Leach Date:	12/10/2012 1600

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
2,4-D	33	U	668	662	512	473
Dalapon	17	U	334	331	181	172
2,4-DB	33	U	668	662	465	446
Dicamba	17	U	334	331	230	211
Dichlorprop	66	U	668	662	609	564
Dinoseb	10	U	100	99.4	44.2	34.9
MCPA	3300	U	66800	66200	46900	45200
Silvex (2,4,5-TP)	8.3	U	167	166	118	108
2,4,5-T	8.3	U	167	166	124	114

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-69890

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69890/17	Analysis Batch:	240-69890	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/22/2012 1721	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0221	110	70 - 130	
Dalapon	0.0100	0.0119	119	70 - 130	
2,4-DB	0.0200	0.0211	106	70 - 130	
Dicamba	0.0100	0.0115	115	70 - 130	
Dichlorprop	0.0200	0.0242	121	70 - 130	
Dinoseb	0.00300	0.00310	103	70 - 130	
MCPA	2.00	1.11	56	70 - 130	^
Silvex (2,4,5-TP)	0.00500	0.00538	108	70 - 130	
2,4,5-T	0.00500	0.00518	104	70 - 130	M

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	123	Q	19 - 122

Method Reporting Limit Check - Batch: 240-69890

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69890/17	Analysis Batch:	240-69890	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/22/2012 1721	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0217	108	70 - 130	
Dalapon	0.0100	0.0123	123	70 - 130	
2,4-DB	0.0200	0.0202	101	70 - 130	
Dicamba	0.0100	0.0122	122	70 - 130	
Dichlorprop	0.0200	0.0248	124	70 - 130	
Dinoseb	0.00300	0.00326	109	70 - 130	
MCPA	2.00	1.06	53	70 - 130	^
Silvex (2,4,5-TP)	0.00500	0.00542	108	70 - 130	
2,4,5-T	0.00500	0.00482	96	70 - 130	

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	124	Q	19 - 122

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 240-69890

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69890/46	Analysis Batch:	240-69890	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000046.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/23/2012 0443	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0244	122	70 - 130	
Dalapon	0.0100	0.0127	127	70 - 130	
2,4-DB	0.0200	0.0241	121	70 - 130	
Dicamba	0.0100	0.0125	125	70 - 130	
Dichlorprop	0.0200	0.0278	139	70 - 130	^
Dinoseb	0.00300	0.00371	124	70 - 130	
MCPA	2.00	1.56	78	70 - 130	
Silvex (2,4,5-TP)	0.00500	0.00597	119	70 - 130	
2,4,5-T	0.00500	0.00593	119	70 - 130	

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	133	Q	19 - 122

Method Reporting Limit Check - Batch: 240-69890

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-69890/46	Analysis Batch:	240-69890	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000046.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/23/2012 0443	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0243	121	70 - 130	
Dalapon	0.0100	0.0119	119	70 - 130	
2,4-DB	0.0200	0.0230	115	70 - 130	
Dicamba	0.0100	0.0130	130	70 - 130	
Dichlorprop	0.0200	0.0275	138	70 - 130	^
Dinoseb	0.00300	0.00384	128	70 - 130	
MCPA	2.00	1.46	73	70 - 130	
Silvex (2,4,5-TP)	0.00500	0.00583	117	70 - 130	
2,4,5-T	0.00500	0.00551	110	70 - 130	

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	136	Q	19 - 122

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 320-7654

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	MB 320-7654/1-A	Analysis Batch:	320-7855	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-7654	Lab File ID:	320-0001969-043-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	12/27/2012 0145	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/20/2012 0942			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitroguanidine	0.040	U	0.020	0.25

Lab Control Sample - Batch: 320-7654

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	LCS 320-7654/2-A	Analysis Batch:	320-7855	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-7654	Lab File ID:	320-0001969-044-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	12/27/2012 0159	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/20/2012 0942			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitroguanidine	1.00	1.02	102	72 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-7654

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

MS Lab Sample ID:	240-18581-1	Analysis Batch:	320-7855	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-7654	Lab File ID:	320-0001969-046-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.05 g
Analysis Date:	12/27/2012 0228			Final Weight/Volume:	10 mL
Prep Date:	12/20/2012 0942			Injection Volume:	50 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-18581-1	Analysis Batch:	320-7855	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-7654	Lab File ID:	320-0001969-047-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.04 g
Analysis Date:	12/27/2012 0242			Final Weight/Volume:	10 mL
Prep Date:	12/20/2012 0942			Injection Volume:	50 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitroguanidine	97	97	72 - 121	0	20	M	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-7654

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

MS Lab Sample ID:	240-18581-1	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	12/27/2012 0228		
Prep Date:	12/20/2012 0942		
Leach Date:	N/A		

MSD Lab Sample ID:	240-18581-1
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	12/27/2012 0242
Prep Date:	12/20/2012 0942
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual
Nitroguanidine	0.040	U	0.976	0.980	0.947	M	0.950

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 320-7655

Method: 8330B
Preparation: 8330B

Lab Sample ID:	MB 320-7655/1-A	Analysis Batch:	320-8012	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-7655	Lab File ID:	ZB000060.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	12/30/2012 0033	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	12/20/2012 0953			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
2-Amino-4,6-dinitrotoluene	0.050	U	0.013	0.25
4-Amino-2,6-dinitrotoluene	0.050	U	0.010	0.25
1,3-Dinitrobenzene	0.050	U	0.0042	0.25
2,4-Dinitrotoluene	0.050	U	0.0053	0.25
2,6-Dinitrotoluene	0.050	U	0.0073	0.25
HMX	0.050	U	0.012	0.25
Nitrobenzene	0.050	U	0.018	0.25
Nitroglycerin	0.25	U	0.015	0.50
2-Nitrotoluene	0.050	U	0.013	0.25
3-Nitrotoluene	0.050	U	0.016	0.25
4-Nitrotoluene	0.050	U	0.018	0.25
PETN	0.25	U	0.025	0.50
RDX	0.050	U	0.012	0.25
Tetryl	0.050	U	0.010	0.25
1,3,5-Trinitrobenzene	0.050	U	0.010	0.25
2,4,6-Trinitrotoluene	0.050	U	0.019	0.25

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	96	78 - 118

Surrogate	% Rec		Acceptance Limits
3,4-Dinitrotoluene	88	M	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Control Sample - Batch: 320-7655

Method: 8330B
Preparation: 8330B

Lab Sample ID:	LCS 320-7655/2-A	Analysis Batch:	320-8012	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-7655	Lab File ID:	ZB000061.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	12/30/2012 0113	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	12/20/2012 0953			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Amino-4,6-dinitrotoluene	0.500	0.488	98	79 - 119	
4-Amino-2,6-dinitrotoluene	0.500	0.506	101	81 - 121	
1,3-Dinitrobenzene	0.500	0.507	101	81 - 121	
2,4-Dinitrotoluene	0.500	0.496	99	79 - 119	
2,6-Dinitrotoluene	0.500	0.492	98	79 - 119	
HMX	0.500	0.507	101	80 - 120	
Nitrobenzene	0.500	0.499	100	80 - 120	
Nitroglycerin	1.00	0.978	98	76 - 116	
2-Nitrotoluene	0.500	0.482	96	78 - 118	
3-Nitrotoluene	0.500	0.479	96	77 - 117	
4-Nitrotoluene	0.500	0.479	96	78 - 118	
PETN	1.00	1.01	101	76 - 116	
RDX	0.500	0.503	101	82 - 122	
Tetryl	0.500	0.471	94	63 - 120	
1,3,5-Trinitrobenzene	0.500	0.497	99	81 - 121	
2,4,6-Trinitrotoluene	0.500	0.469	94	65 - 105	

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	99	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-7655

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	240-18581-1	Analysis Batch:	320-8012	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-7655	Lab File ID:	ZB000063.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.17 g
Analysis Date:	12/30/2012 0234			Final Weight/Volume:	80 mL
Prep Date:	12/20/2012 0953			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-18581-1	Analysis Batch:	320-8012	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-7655	Lab File ID:	ZB000064.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.02 g
Analysis Date:	12/30/2012 0314			Final Weight/Volume:	80 mL
Prep Date:	12/20/2012 0953			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Amino-4,6-dinitrotoluene	102	105	79 - 119	5	20		
4-Amino-2,6-dinitrotoluene	92	96	81 - 121	4	20		
1,3-Dinitrobenzene	106	106	81 - 121	1	20		
2,4-Dinitrotoluene	97	99	79 - 119	3	20		
2,6-Dinitrotoluene	102	105	79 - 119	5	20		
HMX	99	99	80 - 120	2	20		
Nitrobenzene	95	98	80 - 120	4	20		
Nitroglycerin	97	97	76 - 116	1	20		
2-Nitrotoluene	100	103	78 - 118	5	20		
3-Nitrotoluene	101	105	77 - 117	6	20		
4-Nitrotoluene	100	103	78 - 118	4	20		
PETN	98	94	76 - 116	3	20		M
RDX	91	92	82 - 122	3	20		
Tetryl	99	100	63 - 120	2	20		
1,3,5-Trinitrobenzene	96	95	81 - 121	1	20		
2,4,6-Trinitrotoluene	100	102	65 - 105	3	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
3,4-Dinitrotoluene	101	108	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-7655

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	240-18581-1	Units:	mg/Kg	MSD Lab Sample ID:	240-18581-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/30/2012 0234			Analysis Date:	12/30/2012 0314
Prep Date:	12/20/2012 0953			Prep Date:	12/20/2012 0953
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
2-Amino-4,6-dinitrotoluene	0.048	U	0.492	0.499	0.501	0.526	
4-Amino-2,6-dinitrotoluene	0.13	J	0.492	0.499	0.582	0.609	
1,3-Dinitrobenzene	0.048	U	0.492	0.499	0.521	0.528	
2,4-Dinitrotoluene	0.048	U	0.492	0.499	0.479	0.493	
2,6-Dinitrotoluene	0.048	U	0.492	0.499	0.501	0.526	
HMX	0.048	U	0.492	0.499	0.486	0.495	
Nitrobenzene	0.078	J	0.492	0.499	0.545	0.566	
Nitroglycerin	0.24	U	0.983	0.998	0.958	0.968	
2-Nitrotoluene	0.048	U	0.492	0.499	0.490	0.516	
3-Nitrotoluene	0.048	U	0.492	0.499	0.495	0.524	
4-Nitrotoluene	0.048	U	0.492	0.499	0.493	0.515	
PETN	0.24	U	0.983	0.998	0.966	0.938	M
RDX	0.048	U	0.492	0.499	0.446	0.458	
Tetryl	0.048	U	0.492	0.499	0.489	0.499	
1,3,5-Trinitrobenzene	0.048	U	0.492	0.499	0.472	0.475	
2,4,6-Trinitrotoluene	0.048	U	0.492	0.499	0.493	0.509	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 180-59183

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	MB 180-59183/1-A	Analysis Batch:	180-59694	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-59183	Lab File ID:	M21228A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	12/28/2012 2333	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1242				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.030	U	0.011	0.10
Aluminum	0.515	J	0.28	3.0
Arsenic	0.050	U	0.018	0.10
Barium	0.0133	J Q	0.011	1.0
Beryllium	0.010	U	0.0075	0.10
Calcium	2.78	J	1.3	10
Cadmium	0.030	U	0.013	0.10
Chromium	0.040	U	0.022	0.20
Cobalt	0.010	U Q	0.0024	0.050
Copper	0.060	U Q	0.033	0.20
Iron	1.12	J	1.1	5.0
Magnesium	2.0	U	1.1	10
Manganese	0.030	U	0.016	0.50
Sodium	5.0	U	2.7	10
Nickel	0.0132	J	0.011	0.10
Lead	0.030	U	0.015	0.10
Antimony	0.10	U	0.046	0.20
Thallium	0.020	U	0.010	0.10
Vanadium	0.060	U	0.030	0.10
Zinc	0.141	J Q	0.065	0.50
Potassium	6.0	U	3.2	10
Selenium	0.10	U Q	0.051	0.50

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Control Sample - Batch: 180-59183

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	LCS 180-59183/2-A	Analysis Batch:	180-59694	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-59183	Lab File ID:	M21228A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	12/28/2012 2337	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1242				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	10.0	9.48	95	60 - 114	
Aluminum	1000	918	92	80 - 120	
Arsenic	100	84.4	84	73 - 110	
Barium	100	88.5	88	70 - 110	Q
Beryllium	100	83.9	84	79 - 110	
Calcium	1000	961	96	80 - 120	
Cadmium	100	87.4	87	74 - 110	
Chromium	100	93.9	94	70 - 110	
Cobalt	100	92.9	93	74 - 110	Q
Copper	100	94.8	95	73 - 110	Q
Iron	1000	966	97	80 - 120	
Magnesium	1000	938	94	80 - 120	
Manganese	100	96.5	97	80 - 120	
Sodium	1000	893	89	80 - 120	
Nickel	100	95.2	95	75 - 110	
Lead	100	89.7	90	75 - 110	
Antimony	10.0	8.35	84	68 - 113	
Thallium	25.0	22.2	89	71 - 110	
Vanadium	100	91.6	92	72 - 110	
Zinc	100	87.6	88	72 - 113	Q
Potassium	1000	910	91	80 - 120	
Selenium	100	81.8	82	65 - 110	Q

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 180-59314

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	MB 180-59314/1-A	Analysis Batch:	180-59694	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.04 g
Analysis Date:	12/29/2012 0159	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.029	U	0.011	0.096
Aluminum	1.08	J	0.27	2.9
Arsenic	0.048	U	0.017	0.096
Barium	0.0165	J Q	0.010	0.96
Beryllium	0.0096	U	0.0072	0.096
Calcium	3.13	J	1.3	9.6
Cadmium	0.029	U	0.013	0.096
Chromium	0.038	U	0.021	0.19
Cobalt	0.0096	U Q	0.0023	0.048
Copper	0.0600	J Q	0.032	0.19
Iron	2.89	J	1.0	4.8
Magnesium	1.00	J	1.0	9.6
Manganese	0.0191	J	0.015	0.48
Sodium	4.8	U	2.6	9.6
Nickel	0.029	U	0.011	0.096
Lead	0.029	U	0.015	0.096
Antimony	0.096	U	0.044	0.19
Thallium	0.019	U	0.0098	0.096
Vanadium	0.058	U	0.029	0.096
Zinc	0.183	J Q	0.062	0.48
Potassium	5.8	U	3.0	9.6
Selenium	0.096	U Q	0.049	0.48

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-59314

Method: 6020/DOD
Preparation: 3050B

LCS Lab Sample ID:	LCS 180-59314/2-A	Analysis Batch:	180-59694	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	12/29/2012 0203	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-59314/3-A	Analysis Batch:	180-59694	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	12/29/2012 0208	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	90	89	60 - 114	1	20		
Aluminum	96	95	80 - 120	1	20		
Arsenic	83	82	73 - 110	1	20		
Barium	89	88	70 - 110	1	20	Q	Q
Beryllium	85	86	79 - 110	1	20		
Calcium	98	97	80 - 120	1	20		
Cadmium	85	84	74 - 110	1	20		
Chromium	94	94	70 - 110	0	20		
Cobalt	93	92	74 - 110	1	20	Q	Q
Copper	94	93	73 - 110	1	20	Q	Q
Iron	105	103	80 - 120	2	20		
Magnesium	95	95	80 - 120	0	20		
Manganese	94	92	80 - 120	2	20		
Sodium	94	95	80 - 120	1	20		
Nickel	92	92	75 - 110	0	20		
Lead	91	91	75 - 110	0	20		
Antimony	83	81	68 - 113	3	20		
Thallium	91	90	71 - 110	1	20		
Vanadium	95	94	72 - 110	1	20		
Zinc	84	83	72 - 113	1	20	Q	Q
Potassium	96	96	80 - 120	0	20		
Selenium	96	88	65 - 110	9	20	Q	Q

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-59314

Method: 6020/DOD
Preparation: 3050B

LCS Lab Sample ID:	LCS 180-59314/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 180-59314/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/29/2012 0203			Analysis Date:	12/29/2012 0208
Prep Date:	12/24/2012 1101			Prep Date:	12/24/2012 1101
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Silver	5.00	5.00	4.50		4.44	
Aluminum	200	200	192		190	
Arsenic	4.00	4.00	3.33		3.29	
Barium	200	200	179	Q	176	Q
Beryllium	5.00	5.00	4.27		4.31	
Calcium	5000	5000	4880		4830	
Cadmium	5.00	5.00	4.26		4.22	
Chromium	20.0	20.0	18.8		18.8	
Cobalt	50.0	50.0	46.3	Q	45.9	Q
Copper	25.0	25.0	23.4	Q	23.3	Q
Iron	100	100	105		103	
Magnesium	5000	5000	4740		4730	
Manganese	50.0	50.0	46.9		46.0	
Sodium	5000	5000	4690		4730	
Nickel	50.0	50.0	46.2		46.1	
Lead	2.00	2.00	1.82		1.82	
Antimony	50.0	50.0	41.5		40.3	
Thallium	5.00	5.00	4.53		4.48	
Vanadium	50.0	50.0	47.5		47.0	
Zinc	50.0	50.0	42.0	Q	41.6	Q
Potassium	5000	5000	4780		4780	
Selenium	1.00	1.00	0.961	Q	0.877	Q

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Serial Dilution - Batch: 180-59314

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-18581-3	Analysis Batch:	180-59694	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-59314	Lab File ID:	M21228A.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.02 g
Analysis Date:	12/29/2012 0240	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/24/2012 1101				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Silver	0.023	J	0.15	NC	10	U
Aluminum	10000		10300	0.91	10	D
Arsenic	7.7		7.81	1.0	10	D
Barium	64		65.3	1.4	10	D Q
Beryllium	0.68		0.693	1.7	10	D
Calcium	7000		6890	1.4	10	D
Cadmium	0.19		0.169	NC	10	J D
Chromium	14		13.9	1.8	10	D
Cobalt	8.2		8.07	1.5	10	D Q
Copper	15		15.5	1.8	10	D Q
Iron	20000		20300	3.4	10	D
Magnesium	3400		3380	0.42	10	D
Manganese	340		348	1.5	10	D
Sodium	89		84.7	NC	10	D
Nickel	19		18.7	0.71	10	D
Lead	12		11.3	2.5	10	D
Antimony	0.098	U	0.49	NC	10	U
Thallium	0.13		0.123	NC	10	J D
Vanadium	14		13.8	0.21	10	D
Zinc	44		48.2	9.8	10	D Q
Potassium	800		815	2.3	10	D
Selenium	0.47	J	0.49	NC	10	U Q

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-69021

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-69021/1-A	Analysis Batch:	240-69324	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-69021	Lab File ID:	121812A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	12/18/2012 1117	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1515				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.033	U	0.014	0.10

Lab Control Sample - Batch: 240-69021

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-69021/2-A	Analysis Batch:	240-69324	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-69021	Lab File ID:	121812A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	12/18/2012 1119	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/17/2012 1515				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.815	98	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 240-69805

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-69805/1-A	Analysis Batch:	240-70191	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	12/26/2012 1648	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.033	U	0.014	0.10

Lab Control Sample - Batch: 240-69805

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-69805/2-A	Analysis Batch:	240-70191	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-69805	Lab File ID:	122612A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	12/26/2012 1650	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/21/2012 1410				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.812	97	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Duplicate - Batch: 240-68426 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-18581-1	Analysis Batch:	240-68426	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/12/2012 1652	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	81	82	0.9	20	
Percent Moisture	19	18	4	20	

Duplicate - Batch: 240-68426 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-18581-3	Analysis Batch:	240-68426	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/12/2012 1652	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	80	80	0.1	20	
Percent Moisture	20	20	0.5	20	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Duplicate - Batch: 240-69666

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-18581-19	Analysis Batch:	240-69666	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/20/2012 1512	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	99	99	0.06	20	
Percent Moisture	1.3	1.2	5	20	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Blank - Batch: 320-7638

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	MB 320-7571/1-B	Analysis Batch:	320-8137	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-7638	Lab File ID:	122012AA.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/20/2012 1216	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	12/20/2012 0801				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrocellulose	1.31	J	0.78	5.0

Lab Control Sample - Batch: 320-7638

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	LCS 320-7571/2-B	Analysis Batch:	320-8137	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-7638	Lab File ID:	122012AA.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/20/2012 1218	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	12/20/2012 0801				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	51.0	33.3	65	34 - 115	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Method Reporting Limit Check - Batch: 320-8137 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-8137/10	Analysis Batch:	320-8137	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	122012AA.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/20/2012 1206	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.420	1.0	108	70 - 130	U

Method Reporting Limit Check - Batch: 320-8137 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-8137/20	Analysis Batch:	320-8137	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	122012AA.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/20/2012 1226	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.420	0.538	128	70 - 130	J

Method Reporting Limit Check - Batch: 320-8137 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-8137/34	Analysis Batch:	320-8137	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	122012AA.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/20/2012 1254	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.420	0.546	130	70 - 130	J

Method Reporting Limit Check - Batch: 320-8137 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-8137/47	Analysis Batch:	320-8137	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	122012AA.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/20/2012 1320	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.420	0.529	126	70 - 130	J

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	^	Instrument related QC exceeds the control limits
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
GC/MS Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	^	Instrument related QC exceeds the control limits
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.
GC VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	U	Undetected at the Limit of Detection.

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Section	Qualifier	Description
GC Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	^	Instrument related QC exceeds the control limits
	M	Manual integrated compound.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	Q	One or more quality control criteria failed.
	H	Sample was prepped or analyzed beyond the specified holding time
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.
HPLC/IC		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
Metals		
	B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Lab Section	Qualifier	Description
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-68395					
LCS 240-68395/5	Lab Control Sample	T	Water	8260B/DoD	
MB 240-68395/6	Method Blank	T	Water	8260B/DoD	
240-18581-12TB	072SB-0061-0001-TB	T	Water	8260B/DoD	
240-18581-24TB	070SB-0074-0001-TB	T	Water	8260B/DoD	
Prep Batch: 240-68443					
240-18581-1	070SB-0042M-0001-SO	T	Solid	5035	
240-18581-1MS	Matrix Spike	T	Solid	5035	
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	5035	
240-18581-2	070SB-043M-0001-SO	T	Solid	5035	
240-18581-3	070SB-044M-0001-SO	T	Solid	5035	
240-18581-3MS	Matrix Spike	T	Solid	5035	
240-18581-3MSD	Matrix Spike Duplicate	T	Solid	5035	
240-18581-5	070SB-046M-0001-SO	T	Solid	5035	
240-18581-5MS	Matrix Spike	T	Solid	5035	
240-18581-5MSD	Matrix Spike Duplicate	T	Solid	5035	
240-18581-7	072SB-0056-0001-SO	T	Solid	5035	
240-18581-8	072SB-0057-0001-SO	T	Solid	5035	
240-18581-9	072SB-0058-0001-SO	T	Solid	5035	
240-18581-10	072SB-0059-0001-SO	T	Solid	5035	
240-18581-11	072SB-0060-0001-SO	T	Solid	5035	
240-18581-13	072SB-0070-0001-SO	T	Solid	5035	
240-18581-14	072SB-0071-0001-SO	T	Solid	5035	
240-18581-15	072SB-0072-0001-SO	T	Solid	5035	
240-18581-16	072SB-0073-0001-SO	T	Solid	5035	
Analysis Batch:240-68879					
LCS 240-68879/6	Lab Control Sample	T	Solid	8260B/DoD	
MB 240-68879/7	Method Blank	T	Solid	8260B/DoD	
240-18581-2	070SB-043M-0001-SO	T	Solid	8260B/DoD	240-68443

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-68905					
LCS 240-68905/6	Lab Control Sample	T	Solid	8260B/DoD	
MB 240-68905/7	Method Blank	T	Solid	8260B/DoD	
240-18581-1	070SB-0042M-0001-SO	T	Solid	8260B/DoD	240-68443
240-18581-1MS	Matrix Spike	T	Solid	8260B/DoD	240-68443
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	8260B/DoD	240-68443
240-18581-3	070SB-044M-0001-SO	T	Solid	8260B/DoD	240-68443
240-18581-3MS	Matrix Spike	T	Solid	8260B/DoD	240-68443
240-18581-3MSD	Matrix Spike Duplicate	T	Solid	8260B/DoD	240-68443
240-18581-5	070SB-046M-0001-SO	T	Solid	8260B/DoD	240-68443
240-18581-5MS	Matrix Spike	T	Solid	8260B/DoD	240-68443
240-18581-5MSD	Matrix Spike Duplicate	T	Solid	8260B/DoD	240-68443
240-18581-7	072SB-0056-0001-SO	T	Solid	8260B/DoD	240-68443
240-18581-8	072SB-0057-0001-SO	T	Solid	8260B/DoD	240-68443
240-18581-9	072SB-0058-0001-SO	T	Solid	8260B/DoD	240-68443
240-18581-10	072SB-0059-0001-SO	T	Solid	8260B/DoD	240-68443
240-18581-11	072SB-0060-0001-SO	T	Solid	8260B/DoD	240-68443
240-18581-13	072SB-0070-0001-SO	T	Solid	8260B/DoD	240-68443
240-18581-14	072SB-0071-0001-SO	T	Solid	8260B/DoD	240-68443
240-18581-15	072SB-0072-0001-SO	T	Solid	8260B/DoD	240-68443
240-18581-16	072SB-0073-0001-SO	T	Solid	8260B/DoD	240-68443

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-69073					
240-18581-1	070SB-0042M-0001-SO	T	Solid	Increment, Prep	
240-18581-1MS	Matrix Spike	T	Solid	Increment, Prep	
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-18581-2	070SB-043M-0001-SO	T	Solid	Increment, Prep	
240-18581-3	070SB-044M-0001-SO	T	Solid	Increment, Prep	
240-18581-3MS	Matrix Spike	T	Solid	Increment, Prep	
240-18581-3MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-18581-4	070SB-045M-0001-SO	T	Solid	Increment, Prep	
240-18581-5	070SB-046M-0001-SO	T	Solid	Increment, Prep	
240-18581-6	070SB-047M-0001-SO	T	Solid	Increment, Prep	
240-18581-17	070SS-0048M-0001-SO	T	Solid	Increment, Prep	
240-18581-18	070SB-0049M-0001-SO	T	Solid	Increment, Prep	
240-18581-19	070SB-0050M-0001-SO	T	Solid	Increment, Prep	
240-18581-20	070SB-0051M-0001-SO	T	Solid	Increment, Prep	
240-18581-21	070SB-0052M-0001-SO	T	Solid	Increment, Prep	
240-18581-21MS	Matrix Spike	T	Solid	Increment, Prep	
240-18581-21MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-18581-22	070SB-0053M-0001-SO	T	Solid	Increment, Prep	
240-18581-23	070SB-0054M-0001-SO	T	Solid	Increment, Prep	
Prep Batch: 240-69432					
LCS 240-69432/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-69432/23-A	Method Blank	T	Solid	3540C	
240-18581-1	070SB-0042M-0001-SO	T	Solid	3540C	240-69073
240-18581-1MS	Matrix Spike	T	Solid	3540C	240-69073
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	3540C	240-69073
240-18581-2	070SB-043M-0001-SO	T	Solid	3540C	240-69073
240-18581-3	070SB-044M-0001-SO	T	Solid	3540C	240-69073
240-18581-3MS	Matrix Spike	T	Solid	3540C	240-69073
240-18581-3MSD	Matrix Spike Duplicate	T	Solid	3540C	240-69073
240-18581-4	070SB-045M-0001-SO	T	Solid	3540C	240-69073
240-18581-5	070SB-046M-0001-SO	T	Solid	3540C	240-69073
240-18581-6	070SB-047M-0001-SO	T	Solid	3540C	240-69073
240-18581-7	072SB-0056-0001-SO	T	Solid	3540C	
240-18581-8	072SB-0057-0001-SO	T	Solid	3540C	
240-18581-9	072SB-0058-0001-SO	T	Solid	3540C	
240-18581-10	072SB-0059-0001-SO	T	Solid	3540C	
240-18581-11	072SB-0060-0001-SO	T	Solid	3540C	
240-18581-13	072SB-0070-0001-SO	T	Solid	3540C	
240-18581-14	072SB-0071-0001-SO	T	Solid	3540C	
240-18581-15	072SB-0072-0001-SO	T	Solid	3540C	
240-18581-16	072SB-0073-0001-SO	T	Solid	3540C	
240-18581-17	070SS-0048M-0001-SO	T	Solid	3540C	240-69073
240-18581-18	070SB-0049M-0001-SO	T	Solid	3540C	240-69073
240-18581-19	070SB-0050M-0001-SO	T	Solid	3540C	240-69073

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-69446					
LCS 240-69446/12-A	Lab Control Sample	T	Solid	3540C	
MB 240-69446/11-A	Method Blank	T	Solid	3540C	
240-18581-20	070SB-0051M-0001-SO	T	Solid	3540C	240-69073
240-18581-21	070SB-0052M-0001-SO	T	Solid	3540C	240-69073
240-18581-21MS	Matrix Spike	T	Solid	3540C	240-69073
240-18581-21MSD	Matrix Spike Duplicate	T	Solid	3540C	240-69073
240-18581-22	070SB-0053M-0001-SO	T	Solid	3540C	240-69073
240-18581-23	070SB-0054M-0001-SO	T	Solid	3540C	240-69073
Analysis Batch:240-70078					
LCS 240-69446/12-A	Lab Control Sample	T	Solid	8270C/DoD	240-69446
MB 240-69446/11-A	Method Blank	T	Solid	8270C/DoD	240-69446
240-18581-20	070SB-0051M-0001-SO	T	Solid	8270C/DoD	240-69446
240-18581-21	070SB-0052M-0001-SO	T	Solid	8270C/DoD	240-69446
240-18581-21MS	Matrix Spike	T	Solid	8270C/DoD	240-69446
240-18581-21MSD	Matrix Spike Duplicate	T	Solid	8270C/DoD	240-69446
240-18581-22	070SB-0053M-0001-SO	T	Solid	8270C/DoD	240-69446
240-18581-23	070SB-0054M-0001-SO	T	Solid	8270C/DoD	240-69446
Analysis Batch:240-70417					
LCS 240-69432/24-A	Lab Control Sample	T	Solid	8270C/DoD	240-69432
MB 240-69432/23-A	Method Blank	T	Solid	8270C/DoD	240-69432
240-18581-14	072SB-0071-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-15	072SB-0072-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-16	072SB-0073-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-17	070SS-0048M-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-18	070SB-0049M-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-19	070SB-0050M-0001-SO	T	Solid	8270C/DoD	240-69432

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:240-70582					
240-18581-1	070SB-0042M-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-1MS	Matrix Spike	T	Solid	8270C/DoD	240-69432
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	8270C/DoD	240-69432
240-18581-2	070SB-043M-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-3	070SB-044M-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-3MS	Matrix Spike	T	Solid	8270C/DoD	240-69432
240-18581-3MSD	Matrix Spike Duplicate	T	Solid	8270C/DoD	240-69432
240-18581-4	070SB-045M-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-5	070SB-046M-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-6	070SB-047M-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-7	072SB-0056-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-8	072SB-0057-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-9	072SB-0058-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-10	072SB-0059-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-11	072SB-0060-0001-SO	T	Solid	8270C/DoD	240-69432
240-18581-13	072SB-0070-0001-SO	T	Solid	8270C/DoD	240-69432

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:240-69540					
LCS 240-69540/25	Lab Control Sample	T	Solid	8015B	
MB 240-69540/24	Method Blank	T	Solid	8015B	
240-18581-2	070SB-043M-0001-SO	T	Solid	8015B	240-69633
240-18581-7	072SB-0056-0001-SO	T	Solid	8015B	240-69633
240-18581-8	072SB-0057-0001-SO	T	Solid	8015B	240-69633
240-18581-9	072SB-0058-0001-SO	T	Solid	8015B	240-69633
240-18581-10	072SB-0059-0001-SO	T	Solid	8015B	240-69633
240-18581-11	072SB-0060-0001-SO	T	Solid	8015B	240-69633
240-18581-13	072SB-0070-0001-SO	T	Solid	8015B	240-69633
240-18581-14	072SB-0071-0001-SO	T	Solid	8015B	240-69633
240-18581-15	072SB-0072-0001-SO	T	Solid	8015B	240-69633
240-18581-16	072SB-0073-0001-SO	T	Solid	8015B	240-69633
Prep Batch: 240-69633					
240-18581-2	070SB-043M-0001-SO	T	Solid	5035	
240-18581-7	072SB-0056-0001-SO	T	Solid	5035	
240-18581-8	072SB-0057-0001-SO	T	Solid	5035	
240-18581-9	072SB-0058-0001-SO	T	Solid	5035	
240-18581-10	072SB-0059-0001-SO	T	Solid	5035	
240-18581-11	072SB-0060-0001-SO	T	Solid	5035	
240-18581-13	072SB-0070-0001-SO	T	Solid	5035	
240-18581-14	072SB-0071-0001-SO	T	Solid	5035	
240-18581-15	072SB-0072-0001-SO	T	Solid	5035	
240-18581-16	072SB-0073-0001-SO	T	Solid	5035	

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-69073					
240-18581-1	070SB-0042M-0001-SO	T	Solid	Increment, Prep	
240-18581-1MS	Matrix Spike	T	Solid	Increment, Prep	
240-18581-1MS	Matrix Spike	T	Solid	Increment, Prep	
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-18581-2	070SB-043M-0001-SO	T	Solid	Increment, Prep	
240-18581-2MS	Matrix Spike	T	Solid	Increment, Prep	
240-18581-2MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-18581-3	070SB-044M-0001-SO	T	Solid	Increment, Prep	
240-18581-3MS	Matrix Spike	T	Solid	Increment, Prep	
240-18581-3MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-18581-4	070SB-045M-0001-SO	T	Solid	Increment, Prep	
240-18581-5	070SB-046M-0001-SO	T	Solid	Increment, Prep	
240-18581-6	070SB-047M-0001-SO	T	Solid	Increment, Prep	
240-18581-6MS	Matrix Spike	T	Solid	Increment, Prep	
240-18581-6MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-18581-17	070SS-0048M-0001-SO	T	Solid	Increment, Prep	
240-18581-18	070SB-0049M-0001-SO	T	Solid	Increment, Prep	
240-18581-19	070SB-0050M-0001-SO	T	Solid	Increment, Prep	
240-18581-20	070SB-0051M-0001-SO	T	Solid	Increment, Prep	
240-18581-21	070SB-0052M-0001-SO	T	Solid	Increment, Prep	
240-18581-22	070SB-0053M-0001-SO	T	Solid	Increment, Prep	
240-18581-23	070SB-0054M-0001-SO	T	Solid	Increment, Prep	
Prep Batch: 240-69221					
LCS 240-69221/24-A	Lab Control Sample	T	Solid	8151A	
MB 240-69221/23-A	Method Blank	T	Solid	8151A	
240-18581-3	070SB-044M-0001-SO	T	Solid	8151A	240-69073
240-18581-3MS	Matrix Spike	T	Solid	8151A	240-69073
240-18581-3MSD	Matrix Spike Duplicate	T	Solid	8151A	240-69073
240-18581-4	070SB-045M-0001-SO	T	Solid	8151A	240-69073

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-69404					
LCS 240-69404/18-A	Lab Control Sample	T	Solid	3540C	
MB 240-69404/17-A	Method Blank	T	Solid	3540C	
240-18581-1	070SB-0042M-0001-SO	T	Solid	3540C	240-69073
240-18581-1MS	Matrix Spike	T	Solid	3540C	240-69073
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	3540C	240-69073
240-18581-7	072SB-0056-0001-SO	T	Solid	3540C	
240-18581-8	072SB-0057-0001-SO	T	Solid	3540C	
240-18581-9	072SB-0058-0001-SO	T	Solid	3540C	
240-18581-10	072SB-0059-0001-SO	T	Solid	3540C	
240-18581-11	072SB-0060-0001-SO	T	Solid	3540C	
240-18581-13	072SB-0070-0001-SO	T	Solid	3540C	
240-18581-14	072SB-0071-0001-SO	T	Solid	3540C	
240-18581-15	072SB-0072-0001-SO	T	Solid	3540C	
240-18581-16	072SB-0073-0001-SO	T	Solid	3540C	
Prep Batch: 240-69415					
LCS 240-69415/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-69415/23-A	Method Blank	T	Solid	3540C	
240-18581-1	070SB-0042M-0001-SO	T	Solid	3540C	240-69073
240-18581-3	070SB-044M-0001-SO	T	Solid	3540C	240-69073
240-18581-18	070SB-0049M-0001-SO	T	Solid	3540C	240-69073
240-18581-19	070SB-0050M-0001-SO	T	Solid	3540C	240-69073
240-18581-20	070SB-0051M-0001-SO	T	Solid	3540C	240-69073
240-18581-21	070SB-0052M-0001-SO	T	Solid	3540C	240-69073
240-18581-22	070SB-0053M-0001-SO	T	Solid	3540C	240-69073
240-18581-23	070SB-0054M-0001-SO	T	Solid	3540C	240-69073
Prep Batch: 240-69426					
LCS 240-69426/7-A	Lab Control Sample	T	Solid	3540C	
MB 240-69426/6-A	Method Blank	T	Solid	3540C	
240-18581-1	070SB-0042M-0001-SO	T	Solid	3540C	240-69073
240-18581-1MS	Matrix Spike	T	Solid	3540C	240-69073
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	3540C	240-69073
240-18581-3	070SB-044M-0001-SO	T	Solid	3540C	240-69073
240-18581-5	070SB-046M-0001-SO	T	Solid	3540C	240-69073

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-69606					
LCS 240-69404/18-A	Lab Control Sample	T	Solid	8015B_DRO/DO	240-69404
MB 240-69404/17-A	Method Blank	T	Solid	8015B_DRO/DO	240-69404
240-18581-7	072SB-0056-0001-SO	T	Solid	8015B_DRO/DO	240-69404
240-18581-8	072SB-0057-0001-SO	T	Solid	8015B_DRO/DO	240-69404
240-18581-9	072SB-0058-0001-SO	T	Solid	8015B_DRO/DO	240-69404
240-18581-10	072SB-0059-0001-SO	T	Solid	8015B_DRO/DO	240-69404
240-18581-11	072SB-0060-0001-SO	T	Solid	8015B_DRO/DO	240-69404
240-18581-13	072SB-0070-0001-SO	T	Solid	8015B_DRO/DO	240-69404
240-18581-14	072SB-0071-0001-SO	T	Solid	8015B_DRO/DO	240-69404
240-18581-15	072SB-0072-0001-SO	T	Solid	8015B_DRO/DO	240-69404
240-18581-16	072SB-0073-0001-SO	T	Solid	8015B_DRO/DO	240-69404
Analysis Batch:240-69717					
LCS 240-69415/24-A	Lab Control Sample	T	Solid	8082/DOD	240-69415
MB 240-69415/23-A	Method Blank	T	Solid	8082/DOD	240-69415
240-18581-1	070SB-0042M-0001-SO	T	Solid	8082/DOD	240-69415
240-18581-3	070SB-044M-0001-SO	T	Solid	8082/DOD	240-69415
240-18581-18	070SB-0049M-0001-SO	T	Solid	8082/DOD	240-69415
240-18581-19	070SB-0050M-0001-SO	T	Solid	8082/DOD	240-69415
240-18581-20	070SB-0051M-0001-SO	T	Solid	8082/DOD	240-69415
240-18581-21	070SB-0052M-0001-SO	T	Solid	8082/DOD	240-69415
240-18581-22	070SB-0053M-0001-SO	T	Solid	8082/DOD	240-69415
240-18581-23	070SB-0054M-0001-SO	T	Solid	8082/DOD	240-69415
Prep Batch: 240-69794					
LCS 240-69794/7-A	Lab Control Sample	T	Solid	3540C	
MB 240-69794/6-A	Method Blank	T	Solid	3540C	
240-18581-2	070SB-043M-0001-SO	T	Solid	3540C	240-69073
240-18581-2MS	Matrix Spike	T	Solid	3540C	240-69073
240-18581-2MSD	Matrix Spike Duplicate	T	Solid	3540C	240-69073
Analysis Batch:240-69890					
LCS 240-69221/24-A	Lab Control Sample	T	Solid	8151/DOD	240-69221
MB 240-69221/23-A	Method Blank	T	Solid	8151/DOD	240-69221
240-18581-3	070SB-044M-0001-SO	T	Solid	8151/DOD	240-69221
240-18581-3MS	Matrix Spike	T	Solid	8151/DOD	240-69221
240-18581-3MSD	Matrix Spike Duplicate	T	Solid	8151/DOD	240-69221
240-18581-4	070SB-045M-0001-SO	T	Solid	8151/DOD	240-69221
Analysis Batch:240-69893					
LCS 240-69426/7-A	Lab Control Sample	T	Solid	8081/DOD	240-69426
MB 240-69426/6-A	Method Blank	T	Solid	8081/DOD	240-69426
240-18581-1	070SB-0042M-0001-SO	T	Solid	8081/DOD	240-69426
240-18581-1MS	Matrix Spike	T	Solid	8081/DOD	240-69426
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	8081/DOD	240-69426

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-70006					
LCS 240-69794/7-A	Lab Control Sample	T	Solid	8015B_DRO/DO	240-69794
MB 240-69794/6-A	Method Blank	T	Solid	8015B_DRO/DO	240-69794
240-18581-2	070SB-043M-0001-SO	T	Solid	8015B_DRO/DO	240-69794
240-18581-2MS	Matrix Spike	T	Solid	8015B_DRO/DO	240-69794
240-18581-2MSD	Matrix Spike Duplicate	T	Solid	8015B_DRO/DO	240-69794
Analysis Batch:240-70013					
240-18581-1	070SB-0042M-0001-SO	T	Solid	8015B_DRO/DO	240-69404
240-18581-1MS	Matrix Spike	T	Solid	8015B_DRO/DO	240-69404
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	8015B_DRO/DO	240-69404
Prep Batch: 240-70113					
LCS 240-70113/19-A	Lab Control Sample	T	Solid	3540C	
MB 240-70113/18-A	Method Blank	T	Solid	3540C	
240-18581-5	070SB-046M-0001-SO	T	Solid	3540C	240-69073
240-18581-6	070SB-047M-0001-SO	T	Solid	3540C	240-69073
240-18581-6MS	Matrix Spike	T	Solid	3540C	240-69073
240-18581-6MSD	Matrix Spike Duplicate	T	Solid	3540C	240-69073
Analysis Batch:240-70556					
LCS 240-70113/19-A	Lab Control Sample	T	Solid	8082/DOD	240-70113
MB 240-70113/18-A	Method Blank	T	Solid	8082/DOD	240-70113
240-18581-5	070SB-046M-0001-SO	T	Solid	8082/DOD	240-70113
240-18581-6	070SB-047M-0001-SO	T	Solid	8082/DOD	240-70113
240-18581-6MS	Matrix Spike	T	Solid	8082/DOD	240-70113
240-18581-6MSD	Matrix Spike Duplicate	T	Solid	8082/DOD	240-70113
Prep Batch: 240-70774					
LCS 240-70774/18-A	Lab Control Sample	T	Solid	3540C	
MB 240-70774/19-A	Method Blank	T	Solid	3540C	
240-18581-17	070SS-0048M-0001-SO	T	Solid	3540C	240-69073
Analysis Batch:240-70882					
LCS 240-70774/18-A	Lab Control Sample	T	Solid	8082/DOD	240-70774
MB 240-70774/19-A	Method Blank	T	Solid	8082/DOD	240-70774
240-18581-17	070SS-0048M-0001-SO	T	Solid	8082/DOD	240-70774
Analysis Batch:240-71028					
240-18581-3	070SB-044M-0001-SO	T	Solid	8081/DOD	240-69426
240-18581-5	070SB-046M-0001-SO	T	Solid	8081/DOD	240-69426

Report Basis

T = Total

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 180-59183					
LCS 180-59183/2-A	Lab Control Sample	T	Solid	3050B	
MB 180-59183/1-A	Method Blank	T	Solid	3050B	
240-18581-7	072SB-0056-0001-SO	T	Solid	3050B	
240-18581-8	072SB-0057-0001-SO	T	Solid	3050B	
240-18581-9	072SB-0058-0001-SO	T	Solid	3050B	
240-18581-10	072SB-0059-0001-SO	T	Solid	3050B	
240-18581-11	072SB-0060-0001-SO	T	Solid	3050B	
240-18581-13	072SB-0070-0001-SO	T	Solid	3050B	
240-18581-14	072SB-0071-0001-SO	T	Solid	3050B	
240-18581-15	072SB-0072-0001-SO	T	Solid	3050B	
240-18581-16	072SB-0073-0001-SO	T	Solid	3050B	
Prep Batch: 180-59314					
LCS 180-59314/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 180-59314/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 180-59314/1-A	Method Blank	T	Solid	3050B	
240-18581-1	070SB-0042M-0001-SO	T	Solid	3050B	
240-18581-3	070SB-044M-0001-SO	T	Solid	3050B	
240-18581-5	070SB-046M-0001-SO	T	Solid	3050B	
240-18581-6	070SB-047M-0001-SO	T	Solid	3050B	
240-18581-17	070SS-0048M-0001-SO	T	Solid	3050B	
240-18581-18	070SB-0049M-0001-SO	T	Solid	3050B	
240-18581-19	070SB-0050M-0001-SO	T	Solid	3050B	
240-18581-20	070SB-0051M-0001-SO	T	Solid	3050B	
240-18581-21	070SB-0052M-0001-SO	T	Solid	3050B	
240-18581-22	070SB-0053M-0001-SO	T	Solid	3050B	
240-18581-23	070SB-0054M-0001-SO	T	Solid	3050B	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:180-59694					
LCS 180-59183/2-A	Lab Control Sample	T	Solid	6020/DOD	180-59183
MB 180-59183/1-A	Method Blank	T	Solid	6020/DOD	180-59183
LCS 180-59314/2-A	Lab Control Sample	T	Solid	6020/DOD	180-59314
LCSD 180-59314/3-A	Lab Control Sample Duplicate	T	Solid	6020/DOD	180-59314
MB 180-59314/1-A	Method Blank	T	Solid	6020/DOD	180-59314
240-18581-1	070SB-0042M-0001-SO	T	Solid	6020/DOD	180-59314
240-18581-3	070SB-044M-0001-SO	T	Solid	6020/DOD	180-59314
240-18581-5	070SB-046M-0001-SO	T	Solid	6020/DOD	180-59314
240-18581-6	070SB-047M-0001-SO	T	Solid	6020/DOD	180-59314
240-18581-7	072SB-0056-0001-SO	T	Solid	6020/DOD	180-59183
240-18581-8	072SB-0057-0001-SO	T	Solid	6020/DOD	180-59183
240-18581-9	072SB-0058-0001-SO	T	Solid	6020/DOD	180-59183
240-18581-10	072SB-0059-0001-SO	T	Solid	6020/DOD	180-59183
240-18581-11	072SB-0060-0001-SO	T	Solid	6020/DOD	180-59183
240-18581-13	072SB-0070-0001-SO	T	Solid	6020/DOD	180-59183
240-18581-14	072SB-0071-0001-SO	T	Solid	6020/DOD	180-59183
240-18581-15	072SB-0072-0001-SO	T	Solid	6020/DOD	180-59183
240-18581-16	072SB-0073-0001-SO	T	Solid	6020/DOD	180-59183
240-18581-17	070SS-0048M-0001-SO	T	Solid	6020/DOD	180-59314
240-18581-18	070SB-0049M-0001-SO	T	Solid	6020/DOD	180-59314
240-18581-19	070SB-0050M-0001-SO	T	Solid	6020/DOD	180-59314
240-18581-20	070SB-0051M-0001-SO	T	Solid	6020/DOD	180-59314
240-18581-21	070SB-0052M-0001-SO	T	Solid	6020/DOD	180-59314
240-18581-22	070SB-0053M-0001-SO	T	Solid	6020/DOD	180-59314
240-18581-23	070SB-0054M-0001-SO	T	Solid	6020/DOD	180-59314
Prep Batch: 240-69021					
LCS 240-69021/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-69021/1-A	Method Blank	T	Solid	7471A	
240-18581-7	072SB-0056-0001-SO	T	Solid	7471A	
240-18581-8	072SB-0057-0001-SO	T	Solid	7471A	
240-18581-9	072SB-0058-0001-SO	T	Solid	7471A	
240-18581-10	072SB-0059-0001-SO	T	Solid	7471A	
240-18581-11	072SB-0060-0001-SO	T	Solid	7471A	
240-18581-13	072SB-0070-0001-SO	T	Solid	7471A	
240-18581-14	072SB-0071-0001-SO	T	Solid	7471A	
240-18581-15	072SB-0072-0001-SO	T	Solid	7471A	
240-18581-16	072SB-0073-0001-SO	T	Solid	7471A	

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-69073					
240-18581-1	070SB-0042M-0001-SO	T	Solid	Increment, Prep	
240-18581-3	070SB-044M-0001-SO	T	Solid	Increment, Prep	
240-18581-5	070SB-046M-0001-SO	T	Solid	Increment, Prep	
240-18581-6	070SB-047M-0001-SO	T	Solid	Increment, Prep	
240-18581-17	070SS-0048M-0001-SO	T	Solid	Increment, Prep	
240-18581-18	070SB-0049M-0001-SO	T	Solid	Increment, Prep	
240-18581-19	070SB-0050M-0001-SO	T	Solid	Increment, Prep	
240-18581-20	070SB-0051M-0001-SO	T	Solid	Increment, Prep	
240-18581-21	070SB-0052M-0001-SO	T	Solid	Increment, Prep	
240-18581-22	070SB-0053M-0001-SO	T	Solid	Increment, Prep	
240-18581-23	070SB-0054M-0001-SO	T	Solid	Increment, Prep	
Analysis Batch:240-69324					
LCS 240-69021/2-A	Lab Control Sample	T	Solid	7471/DOD	240-69021
MB 240-69021/1-A	Method Blank	T	Solid	7471/DOD	240-69021
240-18581-7	072SB-0056-0001-SO	T	Solid	7471/DOD	240-69021
240-18581-8	072SB-0057-0001-SO	T	Solid	7471/DOD	240-69021
240-18581-9	072SB-0058-0001-SO	T	Solid	7471/DOD	240-69021
240-18581-10	072SB-0059-0001-SO	T	Solid	7471/DOD	240-69021
240-18581-11	072SB-0060-0001-SO	T	Solid	7471/DOD	240-69021
240-18581-13	072SB-0070-0001-SO	T	Solid	7471/DOD	240-69021
240-18581-14	072SB-0071-0001-SO	T	Solid	7471/DOD	240-69021
240-18581-15	072SB-0072-0001-SO	T	Solid	7471/DOD	240-69021
240-18581-16	072SB-0073-0001-SO	T	Solid	7471/DOD	240-69021
Prep Batch: 240-69805					
LCS 240-69805/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-69805/1-A	Method Blank	T	Solid	7471A	
240-18581-1	070SB-0042M-0001-SO	T	Solid	7471A	240-69073
240-18581-3	070SB-044M-0001-SO	T	Solid	7471A	240-69073
240-18581-5	070SB-046M-0001-SO	T	Solid	7471A	240-69073
240-18581-6	070SB-047M-0001-SO	T	Solid	7471A	240-69073
240-18581-17	070SS-0048M-0001-SO	T	Solid	7471A	240-69073
240-18581-18	070SB-0049M-0001-SO	T	Solid	7471A	240-69073
240-18581-19	070SB-0050M-0001-SO	T	Solid	7471A	240-69073
240-18581-20	070SB-0051M-0001-SO	T	Solid	7471A	240-69073
240-18581-21	070SB-0052M-0001-SO	T	Solid	7471A	240-69073
240-18581-22	070SB-0053M-0001-SO	T	Solid	7471A	240-69073
240-18581-23	070SB-0054M-0001-SO	T	Solid	7471A	240-69073

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-70191					
LCS 240-69805/2-A	Lab Control Sample	T	Solid	7471/DOD	240-69805
MB 240-69805/1-A	Method Blank	T	Solid	7471/DOD	240-69805
240-18581-1	070SB-0042M-0001-SO	T	Solid	7471/DOD	240-69805
240-18581-3	070SB-044M-0001-SO	T	Solid	7471/DOD	240-69805
240-18581-5	070SB-046M-0001-SO	T	Solid	7471/DOD	240-69805
240-18581-6	070SB-047M-0001-SO	T	Solid	7471/DOD	240-69805
240-18581-17	070SS-0048M-0001-SO	T	Solid	7471/DOD	240-69805
240-18581-18	070SB-0049M-0001-SO	T	Solid	7471/DOD	240-69805
240-18581-19	070SB-0050M-0001-SO	T	Solid	7471/DOD	240-69805
240-18581-20	070SB-0051M-0001-SO	T	Solid	7471/DOD	240-69805
240-18581-21	070SB-0052M-0001-SO	T	Solid	7471/DOD	240-69805
240-18581-22	070SB-0053M-0001-SO	T	Solid	7471/DOD	240-69805
240-18581-23	070SB-0054M-0001-SO	T	Solid	7471/DOD	240-69805

Report Basis

T = Total

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 320-7638					
LCS 320-7571/2-B	Lab Control Sample	T	Solid	353 (NCell-Hyd)	
MB 320-7571/1-B	Method Blank	T	Solid	353 (NCell-Hyd)	
240-18581-1	070SB-0042M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-18581-3	070SB-044M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-18581-5	070SB-046M-0001-SO	T	Solid	353 (NCell-Hyd)	
Analysis Batch:320-8137					
LCS 320-7571/2-B	Lab Control Sample	T	Solid	WS-WC-0050	320-7638
MB 320-7571/1-B	Method Blank	T	Solid	WS-WC-0050	320-7638
240-18581-1	070SB-0042M-0001-SO	T	Solid	WS-WC-0050	320-7638
240-18581-3	070SB-044M-0001-SO	T	Solid	WS-WC-0050	320-7638
240-18581-5	070SB-046M-0001-SO	T	Solid	WS-WC-0050	320-7638
Analysis Batch:240-68426					
240-18581-1	070SB-0042M-0001-SO	T	Solid	Moisture	
240-18581-1DU	Duplicate	T	Solid	Moisture	
240-18581-2	070SB-043M-0001-SO	T	Solid	Moisture	
240-18581-3	070SB-044M-0001-SO	T	Solid	Moisture	
240-18581-3DU	Duplicate	T	Solid	Moisture	
240-18581-5	070SB-046M-0001-SO	T	Solid	Moisture	
240-18581-7	072SB-0056-0001-SO	T	Solid	Moisture	
240-18581-8	072SB-0057-0001-SO	T	Solid	Moisture	
240-18581-9	072SB-0058-0001-SO	T	Solid	Moisture	
240-18581-10	072SB-0059-0001-SO	T	Solid	Moisture	
240-18581-11	072SB-0060-0001-SO	T	Solid	Moisture	
240-18581-13	072SB-0070-0001-SO	T	Solid	Moisture	
240-18581-14	072SB-0071-0001-SO	T	Solid	Moisture	
240-18581-15	072SB-0072-0001-SO	T	Solid	Moisture	
240-18581-16	072SB-0073-0001-SO	T	Solid	Moisture	
Analysis Batch:240-69666					
240-18581-4	070SB-045M-0001-SO	T	Solid	Moisture	
240-18581-6	070SB-047M-0001-SO	T	Solid	Moisture	
240-18581-17	070SS-0048M-0001-SO	T	Solid	Moisture	
240-18581-18	070SB-0049M-0001-SO	T	Solid	Moisture	
240-18581-19	070SB-0050M-0001-SO	T	Solid	Moisture	
240-18581-19DU	Duplicate	T	Solid	Moisture	
240-18581-20	070SB-0051M-0001-SO	T	Solid	Moisture	
240-18581-21	070SB-0052M-0001-SO	T	Solid	Moisture	
240-18581-22	070SB-0053M-0001-SO	T	Solid	Moisture	
240-18581-23	070SB-0054M-0001-SO	T	Solid	Moisture	

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-18581-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 320-7654					
LCS 320-7654/2-A	Lab Control Sample	T	Solid	Sieve/Ultrasoni	
MB 320-7654/1-A	Method Blank	T	Solid	Sieve/Ultrasoni	
240-18581-1	070SB-0042M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-18581-1MS	Matrix Spike	T	Solid	Sieve/Ultrasoni	
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	Sieve/Ultrasoni	
240-18581-3	070SB-044M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-18581-5	070SB-046M-0001-SO	T	Solid	Sieve/Ultrasoni	
Prep Batch: 320-7655					
LCS 320-7655/2-A	Lab Control Sample	T	Solid	8330B	
MB 320-7655/1-A	Method Blank	T	Solid	8330B	
240-18581-1	070SB-0042M-0001-SO	T	Solid	8330B	
240-18581-1MS	Matrix Spike	T	Solid	8330B	
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	8330B	
240-18581-3	070SB-044M-0001-SO	T	Solid	8330B	
240-18581-5	070SB-046M-0001-SO	T	Solid	8330B	
Analysis Batch:320-7855					
LCS 320-7654/2-A	Lab Control Sample	T	Solid	8330 Modified	320-7654
MB 320-7654/1-A	Method Blank	T	Solid	8330 Modified	320-7654
240-18581-1	070SB-0042M-0001-SO	T	Solid	8330 Modified	320-7654
240-18581-1MS	Matrix Spike	T	Solid	8330 Modified	320-7654
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	8330 Modified	320-7654
240-18581-3	070SB-044M-0001-SO	T	Solid	8330 Modified	320-7654
240-18581-5	070SB-046M-0001-SO	T	Solid	8330 Modified	320-7654
Analysis Batch:320-8012					
LCS 320-7655/2-A	Lab Control Sample	T	Solid	8330B	320-7655
MB 320-7655/1-A	Method Blank	T	Solid	8330B	320-7655
240-18581-1	070SB-0042M-0001-SO	T	Solid	8330B	320-7655
240-18581-1MS	Matrix Spike	T	Solid	8330B	320-7655
240-18581-1MSD	Matrix Spike Duplicate	T	Solid	8330B	320-7655
240-18581-3	070SB-044M-0001-SO	T	Solid	8330B	320-7655
240-18581-5	070SB-046M-0001-SO	T	Solid	8330B	320-7655
Analysis Batch:320-8144					
MB 320-7655/1-A	Method Blank	T	Solid	8330B	320-7655
240-18581-1	070SB-0042M-0001-SO	T	Solid	8330B	320-7655

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-1 **Client ID:** 070SB-0042M-0001-SO

Sample Date/Time: 12/07/2012 11:45 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-D-1-A		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-D-1-A		240-68905	240-68443	12/17/2012 03:50	1	TAL NC	TL
P:3540C	240-18581-M-1-K		240-70582	240-69432	12/19/2012 13:03	10	TAL NC	SE
A:8270C/DoD	240-18581-M-1-K		240-70582	240-69432	12/29/2012 19:36	10	TAL NC	JG
P:3540C	240-18581-M-1-D		240-70013	240-69404	12/19/2012 11:57	10	TAL NC	SE
A:8015B_DRO/DOD	240-18581-M-1-D		240-70013	240-69404	12/24/2012 14:46	10	TAL NC	DB
P:3540C	240-18581-M-1-H		240-69893	240-69426	12/19/2012 12:53	50	TAL NC	SE
A:8081/DOD	240-18581-M-1-H		240-69893	240-69426	12/22/2012 19:40	50	TAL NC	CV
P:3540C	240-18581-M-1-G		240-69717	240-69415	12/19/2012 12:21	1	TAL NC	SE
A:8082/DOD	240-18581-M-1-G		240-69717	240-69415	12/21/2012 08:56	1	TAL NC	LH
P:Sieve/Ultrasoni	240-18581-N-1-C		320-7855	320-7654	12/20/2012 09:42	1	TAL WSC	TP
A:8330 Modified	240-18581-N-1-C		320-7855	320-7654	12/27/2012 02:14	1	TAL WSC	RN
P:8330B	240-18581-N-1-F		320-8012	320-7655	12/20/2012 09:53	1	TAL WSC	TP
A:8330B	240-18581-N-1-F		320-8012	320-7655	12/30/2012 01:53	1	TAL WSC	RN
P:8330B	240-18581-N-1-F		320-8144	320-7655	12/20/2012 09:53	1	TAL WSC	TP
A:8330B	240-18581-N-1-F		320-8144	320-7655	01/03/2013 02:50	1	TAL WSC	RN
P:3050B	240-18581-O-1-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	240-18581-O-1-A		180-59694	180-59314	12/29/2012 02:32	1	TAL PIT	BR
P:7471A	240-18581-M-1-N		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	240-18581-M-1-N		240-70191	240-69805	12/26/2012 17:28	1	TAL NC	DH
A:Moisture	240-18581-K-1		240-68426		12/12/2012 16:52	1	TAL NC	AM
P:353 (NCell-Hyd)	240-18581-N-1-B		320-8137	320-7638	12/20/2012 08:01	1	TAL WSC	TP
A:WS-WC-0050	240-18581-N-1-B		320-8137	320-7638	12/20/2012 13:10	1	TAL WSC	JB

Lab ID: 240-18581-1 **Client ID:** 070SB-0042M-0001-SO

Sample Date/Time: 12/07/2012 11:45 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-F-1-A MS		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-F-1-A MS		240-68905	240-68443	12/17/2012 04:11	1	TAL NC	TL
P:3540C	240-18581-M-1-L MS		240-70582	240-69432	12/19/2012 13:03	10	TAL NC	SE
A:8270C/DoD	240-18581-M-1-L MS		240-70582	240-69432	12/29/2012 20:00	10	TAL NC	JG
P:3540C	240-18581-M-1-E MS		240-70013	240-69404	12/19/2012 11:57	10	TAL NC	SE
A:8015B_DRO/DOD	240-18581-M-1-E MS		240-70013	240-69404	12/24/2012 15:16	10	TAL NC	DB
P:3540C	240-18581-M-1-I MS		240-69893	240-69426	12/19/2012 12:53	50	TAL NC	SE
A:8081/DOD	240-18581-M-1-I MS		240-69893	240-69426	12/22/2012 20:04	50	TAL NC	CV
P:Sieve/Ultrasoni	240-18581-N-1-D MS		320-7855	320-7654	12/20/2012 09:42	1	TAL WSC	TP
A:8330 Modified	240-18581-N-1-D MS		320-7855	320-7654	12/27/2012 02:28	1	TAL WSC	RN
P:8330B	240-18581-N-1-G MS		320-8012	320-7655	12/20/2012 09:53	1	TAL WSC	TP
A:8330B	240-18581-N-1-G MS		320-8012	320-7655	12/30/2012 02:34	1	TAL WSC	RN

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-1 **Client ID: 070SB-0042M-0001-SO**

Sample Date/Time: 12/07/2012 11:45 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-H-1-A MSD		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-H-1-A MSD		240-68905	240-68443	12/17/2012 04:32	1	TAL NC	TL
P:3540C	240-18581-M-1-M MSD		240-70582	240-69432	12/19/2012 13:03	10	TAL NC	SE
A:8270C/DoD	240-18581-M-1-M MSD		240-70582	240-69432	12/29/2012 20:23	10	TAL NC	JG
P:3540C	240-18581-M-1-F MSD		240-70013	240-69404	12/19/2012 11:57	1	TAL NC	SE
A:8015B_DRO/DOD	240-18581-M-1-F MSD		240-70013	240-69404	12/24/2012 15:46	1	TAL NC	DB
P:3540C	240-18581-M-1-J MSD		240-69893	240-69426	12/19/2012 12:53	50	TAL NC	SE
A:8081/DOD	240-18581-M-1-J MSD		240-69893	240-69426	12/22/2012 20:28	50	TAL NC	CV
P:Sieve/Ultrasoni	240-18581-N-1-E MSD		320-7855	320-7654	12/20/2012 09:42	1	TAL WSC	TP
A:8330 Modified	240-18581-N-1-E MSD		320-7855	320-7654	12/27/2012 02:42	1	TAL WSC	RN
P:8330B	240-18581-N-1-H MSD		320-8012	320-7655	12/20/2012 09:53	1	TAL WSC	TP
A:8330B	240-18581-N-1-H MSD		320-8012	320-7655	12/30/2012 03:14	1	TAL WSC	RN

Lab ID: 240-18581-1 **Client ID: 070SB-0042M-0001-SO**

Sample Date/Time: 12/07/2012 11:45 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-18581-J-1 DU		240-68426		12/12/2012 16:52	1	TAL NC	AM

Lab ID: 240-18581-2 **Client ID: 070SB-043M-0001-SO**

Sample Date/Time: 12/07/2012 11:45 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-B-2-A		240-68879	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-B-2-A		240-68879	240-68443	12/16/2012 03:22	1	TAL NC	TL
P:3540C	240-18581-H-2-C		240-70582	240-69432	12/19/2012 13:03	10	TAL NC	SE
A:8270C/DoD	240-18581-H-2-C		240-70582	240-69432	12/29/2012 17:15	10	TAL NC	JG
P:5035	240-18581-B-2-C		240-69540	240-69633	12/08/2012 17:30	1	TAL NC	HMB
A:8015B	240-18581-B-2-C		240-69540	240-69633	12/21/2012 01:48	1	TAL NC	HMB
P:3540C	240-18581-H-2-D		240-70006	240-69794	12/21/2012 11:38	5	TAL NC	AC
A:8015B_DRO/DOD	240-18581-H-2-D		240-70006	240-69794	12/25/2012 02:55	5	TAL NC	DB
A:Moisture	240-18581-G-2		240-68426		12/12/2012 16:52	1	TAL NC	AM

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-2 MS **Client ID: 070SB-043M-0001-SO**

Sample Date/Time: 12/07/2012 11:45 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-H-2-E MS		240-70006	240-69794	12/21/2012 11:38	5	TAL NC	AC
A:8015B_DRO/DOD	240-18581-H-2-E MS		240-70006	240-69794	12/25/2012 03:34	5	TAL NC	DB

Lab ID: 240-18581-2 MSD **Client ID: 070SB-043M-0001-SO**

Sample Date/Time: 12/07/2012 11:45 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-H-2-F MSD		240-70006	240-69794	12/21/2012 11:38	5	TAL NC	AC
A:8015B_DRO/DOD	240-18581-H-2-F MSD		240-70006	240-69794	12/25/2012 04:13	5	TAL NC	DB

Lab ID: 240-18581-3 **Client ID: 070SB-044M-0001-SO**

Sample Date/Time: 12/07/2012 11:15 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-D-3-A		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-D-3-A		240-68905	240-68443	12/17/2012 04:53	1	TAL NC	TL
P:3540C	240-18581-L-3-I		240-70582	240-69432	12/19/2012 13:03	10	TAL NC	SE
A:8270C/DoD	240-18581-L-3-I		240-70582	240-69432	12/29/2012 17:39	10	TAL NC	JG
P:3540C	240-18581-L-3-H		240-71028	240-69426	12/19/2012 12:53	50	TAL NC	SE
A:8081/DOD	240-18581-L-3-H		240-71028	240-69426	01/04/2013 08:21	50	TAL NC	CV
P:3540C	240-18581-L-3-G		240-69717	240-69415	12/19/2012 12:21	1	TAL NC	SE
A:8082/DOD	240-18581-L-3-G		240-69717	240-69415	12/21/2012 09:11	1	TAL NC	LH
P:8151A	240-18581-L-3-D		240-69890	240-69221	12/18/2012 11:08	1	TAL NC	BM
A:8151/DOD	240-18581-L-3-D		240-69890	240-69221	12/22/2012 18:55	1	TAL NC	DB
P:Sieve/Ultrasoni	240-18581-N-3-C		320-7855	320-7654	12/20/2012 09:42	1	TAL WSC	TP
A:8330 Modified	240-18581-N-3-C		320-7855	320-7654	12/27/2012 02:57	1	TAL WSC	RN
P:8330B	240-18581-N-3-D		320-8012	320-7655	12/20/2012 09:53	1	TAL WSC	TP
A:8330B	240-18581-N-3-D		320-8012	320-7655	12/30/2012 03:54	1	TAL WSC	RN
P:3050B	240-18581-O-3-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	240-18581-O-3-A		180-59694	180-59314	12/29/2012 02:36	1	TAL PIT	BR
P:7471A	240-18581-L-3-L		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	240-18581-L-3-L		240-70191	240-69805	12/26/2012 17:03	1	TAL NC	DH
A:Moisture	240-18581-K-3		240-68426		12/12/2012 16:52	1	TAL NC	AM
P:353 (NCell-Hyd)	240-18581-N-3-B		320-8137	320-7638	12/20/2012 08:01	1	TAL WSC	TP
A:WS-WC-0050	240-18581-N-3-B		320-8137	320-7638	12/20/2012 13:12	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-3 MS **Client ID: 070SB-044M-0001-SO**

Sample Date/Time: 12/07/2012 11:15 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-F-3-A MS		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-F-3-A MS		240-68905	240-68443	12/17/2012 05:15	1	TAL NC	TL
P:3540C	240-18581-L-3-J MS		240-70582	240-69432	12/19/2012 13:03	10	TAL NC	SE
A:8270C/DoD	240-18581-L-3-J MS		240-70582	240-69432	12/29/2012 18:03	10	TAL NC	JG
P:8151A	240-18581-L-3-E MS		240-69890	240-69221	12/18/2012 11:08	1	TAL NC	BM
A:8151/DOD	240-18581-L-3-E MS		240-69890	240-69221	12/22/2012 19:19	1	TAL NC	DB

Lab ID: 240-18581-3 MSD **Client ID: 070SB-044M-0001-SO**

Sample Date/Time: 12/07/2012 11:15 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-H-3-A MSD		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-H-3-A MSD		240-68905	240-68443	12/17/2012 05:36	1	TAL NC	TL
P:3540C	240-18581-L-3-K MSD		240-70582	240-69432	12/19/2012 13:03	10	TAL NC	SE
A:8270C/DoD	240-18581-L-3-K MSD		240-70582	240-69432	12/29/2012 18:26	10	TAL NC	JG
P:8151A	240-18581-L-3-F MSD		240-69890	240-69221	12/18/2012 11:08	1	TAL NC	BM
A:8151/DOD	240-18581-L-3-F MSD		240-69890	240-69221	12/22/2012 19:42	1	TAL NC	DB

Lab ID: 240-18581-3 **Client ID: 070SB-044M-0001-SO**

Sample Date/Time: 12/07/2012 11:15 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-18581-J-3 DU		240-68426		12/12/2012 16:52	1	TAL NC	AM

Lab ID: 240-18581-3 SD **Client ID: 070SB-044M-0001-SO**

Sample Date/Time: 12/07/2012 11:15 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-18581-O-3-A SD ^5		180-59694	180-59314	12/24/2012 11:01	5	TAL PIT	CH
A:6020/DOD	240-18581-O-3-A SD ^5		180-59694	180-59314	12/29/2012 02:40	5	TAL PIT	BR

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-4 **Client ID: 070SB-045M-0001-SO**

Sample Date/Time: 12/07/2012 11:15 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-B-4-C		240-70582	240-69432	12/19/2012 13:03	10	TAL NC	SE
A:8270C/DoD	240-18581-B-4-C		240-70582	240-69432	12/29/2012 19:13	10	TAL NC	JG
P:8151A	240-18581-B-4-B		240-69890	240-69221	12/18/2012 11:08	1	TAL NC	BM
A:8151/DOD	240-18581-B-4-B		240-69890	240-69221	12/22/2012 20:05	1	TAL NC	DB
A:Moisture	240-18581-A-4		240-69666		12/20/2012 15:12	1	TAL NC	TH

Lab ID: 240-18581-5 **Client ID: 070SB-046M-0001-SO**

Sample Date/Time: 12/07/2012 10:50 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-D-5-A		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-D-5-A		240-68905	240-68443	12/17/2012 05:57	1	TAL NC	TL
P:3540C	240-18581-K-5-D		240-70582	240-69432	12/19/2012 13:03	10	TAL NC	SE
A:8270C/DoD	240-18581-K-5-D		240-70582	240-69432	12/29/2012 20:46	10	TAL NC	JG
P:3540C	240-18581-K-5-C		240-71028	240-69426	12/19/2012 12:53	50	TAL NC	SE
A:8081/DOD	240-18581-K-5-C		240-71028	240-69426	01/04/2013 08:48	50	TAL NC	CV
P:3540C	240-18581-K-5-F		240-70556	240-70113	12/26/2012 10:28	1	TAL NC	AC
A:8082/DOD	240-18581-K-5-F		240-70556	240-70113	12/29/2012 19:39	1	TAL NC	LH
P:Sieve/Ultrasoni	240-18581-L-5-C		320-7855	320-7654	12/20/2012 09:42	1	TAL WSC	TP
A:8330 Modified	240-18581-L-5-C		320-7855	320-7654	12/27/2012 03:11	1	TAL WSC	RN
P:8330B	240-18581-L-5-D		320-8012	320-7655	12/20/2012 09:53	1	TAL WSC	TP
A:8330B	240-18581-L-5-D		320-8012	320-7655	12/30/2012 04:35	1	TAL WSC	RN
P:3050B	240-18581-M-5-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	240-18581-M-5-A		180-59694	180-59314	12/29/2012 02:45	1	TAL PIT	BR
P:7471A	240-18581-K-5-E		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	240-18581-K-5-E		240-70191	240-69805	12/26/2012 17:07	1	TAL NC	DH
A:Moisture	240-18581-J-5		240-68426		12/12/2012 16:52	1	TAL NC	AM
P:353 (NCell-Hyd)	240-18581-L-5-B		320-8137	320-7638	12/20/2012 08:01	1	TAL WSC	TP
A:WS-WC-0050	240-18581-L-5-B		320-8137	320-7638	12/20/2012 13:14	1	TAL WSC	JB

Lab ID: 240-18581-5 MS **Client ID: 070SB-046M-0001-SO**

Sample Date/Time: 12/07/2012 10:50 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-F-5-A MS		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-F-5-A MS		240-68905	240-68443	12/17/2012 06:19	1	TAL NC	TL

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-5 MSD **Client ID: 070SB-046M-0001-SO**

Sample Date/Time: 12/07/2012 10:50 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-H-5-A MSD		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-H-5-A MSD		240-68905	240-68443	12/17/2012 06:40	1	TAL NC	TL

Lab ID: 240-18581-6 **Client ID: 070SB-047M-0001-SO**

Sample Date/Time: 12/07/2012 10:50 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-H-6-C		240-70582	240-69432	12/19/2012 13:03	10	TAL NC	SE
A:8270C/DoD	240-18581-H-6-C		240-70582	240-69432	12/29/2012 18:49	10	TAL NC	JG
P:3540C	240-18581-H-6-E		240-70556	240-70113	12/26/2012 10:28	1	TAL NC	AC
A:8082/DOD	240-18581-H-6-E		240-70556	240-70113	12/29/2012 19:55	1	TAL NC	LH
P:3050B	240-18581-I-6-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	240-18581-I-6-A		180-59694	180-59314	12/29/2012 02:49	1	TAL PIT	BR
P:7471A	240-18581-H-6-D		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	240-18581-H-6-D		240-70191	240-69805	12/26/2012 17:14	1	TAL NC	DH
A:Moisture	240-18581-G-6		240-69666		12/20/2012 15:12	1	TAL NC	TH

Lab ID: 240-18581-6 MS **Client ID: 070SB-047M-0001-SO**

Sample Date/Time: 12/07/2012 10:50 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-H-6-F MS		240-70556	240-70113	12/26/2012 10:28	1	TAL NC	AC
A:8082/DOD	240-18581-H-6-F MS		240-70556	240-70113	12/29/2012 20:10	1	TAL NC	LH

Lab ID: 240-18581-6 MSD **Client ID: 070SB-047M-0001-SO**

Sample Date/Time: 12/07/2012 10:50 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-H-6-G MSD		240-70556	240-70113	12/26/2012 10:28	1	TAL NC	AC
A:8082/DOD	240-18581-H-6-G MSD		240-70556	240-70113	12/29/2012 20:26	1	TAL NC	LH

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-7 **Client ID: 072SB-0056-0001-SO**

Sample Date/Time: 12/07/2012 13:04 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-B-7-A		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-B-7-A		240-68905	240-68443	12/17/2012 07:01	1	TAL NC	TL
P:3540C	240-18581-H-7-D		240-70582	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	240-18581-H-7-D		240-70582	240-69432	12/29/2012 15:19	1	TAL NC	JG
P:5035	240-18581-B-7-C		240-69540	240-69633	12/08/2012 17:30	1	TAL NC	HMB
A:8015B	240-18581-B-7-C		240-69540	240-69633	12/21/2012 02:26	1	TAL NC	HMB
P:3540C	240-18581-H-7-C		240-69606	240-69404	12/19/2012 11:57	1	TAL NC	SE
A:8015B_DRO/DOD	240-18581-H-7-C		240-69606	240-69404	12/21/2012 05:06	1	TAL NC	DB
P:3050B	240-18581-I-7-A		180-59694	180-59183	12/17/2012 12:42	1	TAL PIT	BR
A:6020/DOD	240-18581-I-7-A		180-59694	180-59183	12/29/2012 00:57	1	TAL PIT	BR
P:7471A	240-18581-H-7-B		240-69324	240-69021	12/17/2012 15:15	1	TAL NC	DE
A:7471/DOD	240-18581-H-7-B		240-69324	240-69021	12/18/2012 12:03	1	TAL NC	DH
A:Moisture	240-18581-G-7		240-68426		12/12/2012 16:52	1	TAL NC	AM

Lab ID: 240-18581-8 **Client ID: 072SB-0057-0001-SO**

Sample Date/Time: 12/07/2012 13:25 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-B-8-A		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-B-8-A		240-68905	240-68443	12/17/2012 07:22	1	TAL NC	TL
P:3540C	240-18581-H-8-D		240-70582	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	240-18581-H-8-D		240-70582	240-69432	12/29/2012 16:05	1	TAL NC	JG
P:5035	240-18581-B-8-C		240-69540	240-69633	12/08/2012 17:30	1	TAL NC	HMB
A:8015B	240-18581-B-8-C		240-69540	240-69633	12/21/2012 03:04	1	TAL NC	HMB
P:3540C	240-18581-H-8-C		240-69606	240-69404	12/19/2012 11:57	1	TAL NC	SE
A:8015B_DRO/DOD	240-18581-H-8-C		240-69606	240-69404	12/21/2012 05:36	1	TAL NC	DB
P:3050B	240-18581-I-8-A		180-59694	180-59183	12/17/2012 12:42	1	TAL PIT	BR
A:6020/DOD	240-18581-I-8-A		180-59694	180-59183	12/29/2012 01:01	1	TAL PIT	BR
P:7471A	240-18581-H-8-B		240-69324	240-69021	12/17/2012 15:15	1	TAL NC	DE
A:7471/DOD	240-18581-H-8-B		240-69324	240-69021	12/18/2012 12:07	1	TAL NC	DH
A:Moisture	240-18581-G-8		240-68426		12/12/2012 16:52	1	TAL NC	AM

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-9 **Client ID: 072SB-0058-0001-SO**

Sample Date/Time: 12/07/2012 13:35 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-B-9-A		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-B-9-A		240-68905	240-68443	12/17/2012 07:44	1	TAL NC	TL
P:3540C	240-18581-H-9-D		240-70582	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	240-18581-H-9-D		240-70582	240-69432	12/29/2012 15:42	1	TAL NC	JG
P:5035	240-18581-B-9-C		240-69540	240-69633	12/08/2012 17:30	1	TAL NC	HMB
A:8015B	240-18581-B-9-C		240-69540	240-69633	12/21/2012 03:42	1	TAL NC	HMB
P:3540C	240-18581-H-9-C		240-69606	240-69404	12/19/2012 11:57	1	TAL NC	SE
A:8015B_DRO/DOD	240-18581-H-9-C		240-69606	240-69404	12/21/2012 06:07	1	TAL NC	DB
P:3050B	240-18581-I-9-A		180-59694	180-59183	12/17/2012 12:42	1	TAL PIT	BR
A:6020/DOD	240-18581-I-9-A		180-59694	180-59183	12/29/2012 01:06	1	TAL PIT	BR
P:7471A	240-18581-H-9-B		240-69324	240-69021	12/17/2012 15:15	1	TAL NC	DE
A:7471/DOD	240-18581-H-9-B		240-69324	240-69021	12/18/2012 11:51	1	TAL NC	DH
A:Moisture	240-18581-G-9		240-68426		12/12/2012 16:52	1	TAL NC	AM

Lab ID: 240-18581-10 **Client ID: 072SB-0059-0001-SO**

Sample Date/Time: 12/07/2012 13:37 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-B-10-A		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-B-10-A		240-68905	240-68443	12/17/2012 08:05	1	TAL NC	TL
P:3540C	240-18581-H-10-D		240-70582	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	240-18581-H-10-D		240-70582	240-69432	12/29/2012 14:56	1	TAL NC	JG
P:5035	240-18581-B-10-C		240-69540	240-69633	12/08/2012 17:30	1	TAL NC	HMB
A:8015B	240-18581-B-10-C		240-69540	240-69633	12/21/2012 04:20	1	TAL NC	HMB
P:3540C	240-18581-H-10-C		240-69606	240-69404	12/19/2012 11:57	1	TAL NC	SE
A:8015B_DRO/DOD	240-18581-H-10-C		240-69606	240-69404	12/21/2012 06:36	1	TAL NC	DB
P:3050B	240-18581-I-10-A		180-59694	180-59183	12/17/2012 12:42	1	TAL PIT	BR
A:6020/DOD	240-18581-I-10-A		180-59694	180-59183	12/29/2012 01:10	1	TAL PIT	BR
P:7471A	240-18581-H-10-B		240-69324	240-69021	12/17/2012 15:15	1	TAL NC	DE
A:7471/DOD	240-18581-H-10-B		240-69324	240-69021	12/18/2012 11:37	1	TAL NC	DH
A:Moisture	240-18581-G-10		240-68426		12/12/2012 16:52	1	TAL NC	AM

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-11 **Client ID: 072SB-0060-0001-SO**

Sample Date/Time: 12/07/2012 13:45 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-B-11-A		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-B-11-A		240-68905	240-68443	12/17/2012 08:26	1	TAL NC	TL
P:3540C	240-18581-H-11-D		240-70582	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	240-18581-H-11-D		240-70582	240-69432	12/29/2012 14:32	1	TAL NC	JG
P:5035	240-18581-B-11-C		240-69540	240-69633	12/08/2012 17:30	1	TAL NC	HMB
A:8015B	240-18581-B-11-C		240-69540	240-69633	12/21/2012 04:58	1	TAL NC	HMB
P:3540C	240-18581-H-11-C		240-69606	240-69404	12/19/2012 11:57	1	TAL NC	SE
A:8015B_DRO/DOD	240-18581-H-11-C		240-69606	240-69404	12/21/2012 07:07	1	TAL NC	DB
P:3050B	240-18581-I-11-A		180-59694	180-59183	12/17/2012 12:42	1	TAL PIT	BR
A:6020/DOD	240-18581-I-11-A		180-59694	180-59183	12/29/2012 01:30	1	TAL PIT	BR
P:7471A	240-18581-H-11-B		240-69324	240-69021	12/17/2012 15:15	1	TAL NC	DE
A:7471/DOD	240-18581-H-11-B		240-69324	240-69021	12/18/2012 11:29	1	TAL NC	DH
A:Moisture	240-18581-G-11		240-68426		12/12/2012 16:52	1	TAL NC	AM

Lab ID: 240-18581-12 **Client ID: 072SB-0061-0001-TB**

Sample Date/Time: 12/07/2012 08:00 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-18581-B-12		240-68395		12/12/2012 19:19	1	TAL NC	LE
A:8260B/DoD	240-18581-B-12		240-68395		12/12/2012 19:19	1	TAL NC	LE

Lab ID: 240-18581-13 **Client ID: 072SB-0070-0001-SO**

Sample Date/Time: 12/07/2012 14:20 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-B-13-A		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-B-13-A		240-68905	240-68443	12/17/2012 08:47	1	TAL NC	TL
P:3540C	240-18581-H-13-D		240-70582	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	240-18581-H-13-D		240-70582	240-69432	12/29/2012 14:09	1	TAL NC	JG
P:5035	240-18581-B-13-C		240-69540	240-69633	12/08/2012 17:30	1	TAL NC	HMB
A:8015B	240-18581-B-13-C		240-69540	240-69633	12/21/2012 05:36	1	TAL NC	HMB
P:3540C	240-18581-H-13-C		240-69606	240-69404	12/19/2012 11:57	1	TAL NC	SE
A:8015B_DRO/DOD	240-18581-H-13-C		240-69606	240-69404	12/21/2012 08:06	1	TAL NC	DB
P:3050B	240-18581-I-13-A		180-59694	180-59183	12/17/2012 12:42	1	TAL PIT	BR
A:6020/DOD	240-18581-I-13-A		180-59694	180-59183	12/29/2012 01:34	1	TAL PIT	BR
P:7471A	240-18581-H-13-B		240-69324	240-69021	12/17/2012 15:15	1	TAL NC	DE
A:7471/DOD	240-18581-H-13-B		240-69324	240-69021	12/18/2012 11:43	1	TAL NC	DH
A:Moisture	240-18581-G-13		240-68426		12/12/2012 16:52	1	TAL NC	AM

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-14 **Client ID: 072SB-0071-0001-SO**

Sample Date/Time: 12/07/2012 14:40 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-B-14-A		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-B-14-A		240-68905	240-68443	12/17/2012 09:09	1	TAL NC	TL
P:3540C	240-18581-H-14-D		240-70417	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	240-18581-H-14-D		240-70417	240-69432	12/28/2012 16:50	1	TAL NC	JG
P:5035	240-18581-B-14-C		240-69540	240-69633	12/08/2012 17:30	1	TAL NC	HMB
A:8015B	240-18581-B-14-C		240-69540	240-69633	12/21/2012 06:51	1	TAL NC	HMB
P:3540C	240-18581-H-14-C		240-69606	240-69404	12/19/2012 11:57	1	TAL NC	SE
A:8015B_DRO/DOD	240-18581-H-14-C		240-69606	240-69404	12/21/2012 08:36	1	TAL NC	DB
P:3050B	240-18581-I-14-A		180-59694	180-59183	12/17/2012 12:42	1	TAL PIT	BR
A:6020/DOD	240-18581-I-14-A		180-59694	180-59183	12/29/2012 01:38	1	TAL PIT	BR
P:7471A	240-18581-H-14-B		240-69324	240-69021	12/17/2012 15:15	1	TAL NC	DE
A:7471/DOD	240-18581-H-14-B		240-69324	240-69021	12/18/2012 11:47	1	TAL NC	DH
A:Moisture	240-18581-G-14		240-68426		12/12/2012 16:52	1	TAL NC	AM

Lab ID: 240-18581-15 **Client ID: 072SB-0072-0001-SO**

Sample Date/Time: 12/07/2012 14:55 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-B-15-A		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-B-15-A		240-68905	240-68443	12/17/2012 09:30	1	TAL NC	TL
P:3540C	240-18581-H-15-D		240-70417	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	240-18581-H-15-D		240-70417	240-69432	12/28/2012 16:27	1	TAL NC	JG
P:5035	240-18581-B-15-C		240-69540	240-69633	12/08/2012 17:30	1	TAL NC	HMB
A:8015B	240-18581-B-15-C		240-69540	240-69633	12/21/2012 07:29	1	TAL NC	HMB
P:3540C	240-18581-H-15-C		240-69606	240-69404	12/19/2012 11:57	1	TAL NC	SE
A:8015B_DRO/DOD	240-18581-H-15-C		240-69606	240-69404	12/21/2012 09:06	1	TAL NC	DB
P:3050B	240-18581-I-15-A		180-59694	180-59183	12/17/2012 12:42	1	TAL PIT	BR
A:6020/DOD	240-18581-I-15-A		180-59694	180-59183	12/29/2012 01:43	1	TAL PIT	BR
P:7471A	240-18581-H-15-B		240-69324	240-69021	12/17/2012 15:15	1	TAL NC	DE
A:7471/DOD	240-18581-H-15-B		240-69324	240-69021	12/18/2012 11:45	1	TAL NC	DH
A:Moisture	240-18581-G-15		240-68426		12/12/2012 16:52	1	TAL NC	AM

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-16 **Client ID: 072SB-0073-0001-SO**

Sample Date/Time: 12/07/2012 15:05 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-18581-B-16-A		240-68905	240-68443	12/08/2012 17:30	1	TAL NC	LM
A:8260B/DoD	240-18581-B-16-A		240-68905	240-68443	12/17/2012 09:51	1	TAL NC	TL
P:3540C	240-18581-H-16-D		240-70417	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	240-18581-H-16-D		240-70417	240-69432	12/28/2012 16:03	1	TAL NC	JG
P:5035	240-18581-B-16-C		240-69540	240-69633	12/08/2012 17:30	1	TAL NC	HMB
A:8015B	240-18581-B-16-C		240-69540	240-69633	12/21/2012 08:07	1	TAL NC	HMB
P:3540C	240-18581-H-16-C		240-69606	240-69404	12/19/2012 11:57	1	TAL NC	SE
A:8015B_DRO/DOD	240-18581-H-16-C		240-69606	240-69404	12/21/2012 11:40	1	TAL NC	DB
P:3050B	240-18581-I-16-A		180-59694	180-59183	12/17/2012 12:42	1	TAL PIT	BR
A:6020/DOD	240-18581-I-16-A		180-59694	180-59183	12/29/2012 01:47	1	TAL PIT	BR
P:7471A	240-18581-H-16-B		240-69324	240-69021	12/17/2012 15:15	1	TAL NC	DE
A:7471/DOD	240-18581-H-16-B		240-69324	240-69021	12/18/2012 11:27	1	TAL NC	DH
A:Moisture	240-18581-G-16		240-68426		12/12/2012 16:52	1	TAL NC	AM

Lab ID: 240-18581-17 **Client ID: 070SS-0048M-0001-SO**

Sample Date/Time: 12/07/2012 10:22 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-B-17-C		240-70417	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	240-18581-B-17-C		240-70417	240-69432	12/28/2012 15:40	1	TAL NC	JG
P:3540C	240-18581-B-17-H		240-70882	240-70774	12/31/2012 13:58	1	TAL NC	LH
A:8082/DOD	240-18581-B-17-H		240-70882	240-70774	01/02/2013 14:44	1	TAL NC	LH
P:3050B	240-18581-C-17-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	240-18581-C-17-A		180-59694	180-59314	12/29/2012 02:53	1	TAL PIT	BR
P:7471A	240-18581-B-17-D		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	240-18581-B-17-D		240-70191	240-69805	12/26/2012 17:26	1	TAL NC	DH
A:Moisture	240-18581-A-17		240-69666		12/20/2012 15:12	1	TAL NC	TH

Lab ID: 240-18581-18 **Client ID: 070SB-0049M-0001-SO**

Sample Date/Time: 12/07/2012 10:22 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-B-18-C		240-70417	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	240-18581-B-18-C		240-70417	240-69432	12/28/2012 15:17	1	TAL NC	JG
P:3540C	240-18581-B-18-B		240-69717	240-69415	12/19/2012 12:21	1	TAL NC	SE
A:8082/DOD	240-18581-B-18-B		240-69717	240-69415	12/21/2012 10:14	1	TAL NC	LH
P:3050B	240-18581-C-18-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	240-18581-C-18-A		180-59694	180-59314	12/29/2012 02:58	1	TAL PIT	BR
P:7471A	240-18581-B-18-D		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	240-18581-B-18-D		240-70191	240-69805	12/26/2012 17:08	1	TAL NC	DH
A:Moisture	240-18581-A-18		240-69666		12/20/2012 15:12	1	TAL NC	TH

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-19 **Client ID: 070SB-0050M-0001-SO**

Sample Date/Time: 12/07/2012 09:25 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-B-19-C		240-70417	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	240-18581-B-19-C		240-70417	240-69432	12/28/2012 14:54	1	TAL NC	JG
P:3540C	240-18581-B-19-B		240-69717	240-69415	12/19/2012 12:21	1	TAL NC	SE
A:8082/DOD	240-18581-B-19-B		240-69717	240-69415	12/21/2012 10:30	1	TAL NC	LH
P:3050B	240-18581-C-19-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	240-18581-C-19-A		180-59694	180-59314	12/29/2012 03:02	1	TAL PIT	BR
P:7471A	240-18581-B-19-D		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	240-18581-B-19-D		240-70191	240-69805	12/26/2012 17:36	1	TAL NC	DH
A:Moisture	240-18581-A-19		240-69666		12/20/2012 15:12	1	TAL NC	TH

Lab ID: 240-18581-19 DU **Client ID: 070SB-0050M-0001-SO**

Sample Date/Time: 12/07/2012 09:25 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-18581-A-19 DU		240-69666		12/20/2012 15:12	1	TAL NC	TH

Lab ID: 240-18581-20 **Client ID: 070SB-0051M-0001-SO**

Sample Date/Time: 12/07/2012 09:45 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-B-20-C		240-70078	240-69446	12/19/2012 13:55	10	TAL NC	SE
A:8270C/DoD	240-18581-B-20-C		240-70078	240-69446	12/26/2012 13:32	10	TAL NC	JG
P:3540C	240-18581-B-20-B		240-69717	240-69415	12/19/2012 12:21	1	TAL NC	SE
A:8082/DOD	240-18581-B-20-B		240-69717	240-69415	12/21/2012 11:17	1	TAL NC	LH
P:3050B	240-18581-C-20-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	240-18581-C-20-A		180-59694	180-59314	12/29/2012 03:06	1	TAL PIT	BR
P:7471A	240-18581-B-20-D		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	240-18581-B-20-D		240-70191	240-69805	12/26/2012 17:32	1	TAL NC	DH
A:Moisture	240-18581-A-20		240-69666		12/20/2012 15:12	1	TAL NC	TH

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-21 **Client ID: 070SB-0052M-0001-SO**

Sample Date/Time: 12/07/2012 10:00 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-B-21-C		240-70078	240-69446	12/19/2012 13:55	10	TAL NC	SE
A:8270C/DoD	240-18581-B-21-C		240-70078	240-69446	12/26/2012 11:35	10	TAL NC	JG
P:3540C	240-18581-B-21-B		240-69717	240-69415	12/19/2012 12:21	1	TAL NC	SE
A:8082/DOD	240-18581-B-21-B		240-69717	240-69415	12/21/2012 11:33	1	TAL NC	LH
P:3050B	240-18581-C-21-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	240-18581-C-21-A		180-59694	180-59314	12/29/2012 03:11	1	TAL PIT	BR
P:7471A	240-18581-B-21-F		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	240-18581-B-21-F		240-70191	240-69805	12/26/2012 17:18	1	TAL NC	DH
A:Moisture	240-18581-A-21		240-69666		12/20/2012 15:12	1	TAL NC	TH

Lab ID: 240-18581-21 MS **Client ID: 070SB-0052M-0001-SO**

Sample Date/Time: 12/07/2012 10:00 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-B-21-D MS		240-70078	240-69446	12/19/2012 13:55	10	TAL NC	SE
A:8270C/DoD	240-18581-B-21-D MS		240-70078	240-69446	12/26/2012 11:58	10	TAL NC	JG

Lab ID: 240-18581-21 MSD **Client ID: 070SB-0052M-0001-SO**

Sample Date/Time: 12/07/2012 10:00 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-B-21-E MSD		240-70078	240-69446	12/19/2012 13:55	10	TAL NC	SE
A:8270C/DoD	240-18581-B-21-E MSD		240-70078	240-69446	12/26/2012 12:21	10	TAL NC	JG

Lab ID: 240-18581-22 **Client ID: 070SB-0053M-0001-SO**

Sample Date/Time: 12/07/2012 10:18 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-B-22-C		240-70078	240-69446	12/19/2012 13:55	4	TAL NC	SE
A:8270C/DoD	240-18581-B-22-C		240-70078	240-69446	12/26/2012 12:45	4	TAL NC	JG
P:3540C	240-18581-B-22-B		240-69717	240-69415	12/19/2012 12:21	1	TAL NC	SE
A:8082/DOD	240-18581-B-22-B		240-69717	240-69415	12/21/2012 11:49	1	TAL NC	LH
P:3050B	240-18581-C-22-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	240-18581-C-22-A		180-59694	180-59314	12/29/2012 03:33	1	TAL PIT	BR
P:7471A	240-18581-B-22-D		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	240-18581-B-22-D		240-70191	240-69805	12/26/2012 17:30	1	TAL NC	DH
A:Moisture	240-18581-A-22		240-69666		12/20/2012 15:12	1	TAL NC	TH

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: 240-18581-23 **Client ID: 070SB-0054M-0001-SO**

Sample Date/Time: 12/07/2012 10:25 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-18581-B-23-C		240-70078	240-69446	12/19/2012 13:55	4	TAL NC	SE
A:8270C/DoD	240-18581-B-23-C		240-70078	240-69446	12/26/2012 13:08	4	TAL NC	JG
P:3540C	240-18581-B-23-B		240-69717	240-69415	12/19/2012 12:21	1	TAL NC	SE
A:8082/DOD	240-18581-B-23-B		240-69717	240-69415	12/21/2012 12:05	1	TAL NC	LH
P:3050B	240-18581-C-23-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	240-18581-C-23-A		180-59694	180-59314	12/29/2012 03:37	1	TAL PIT	BR
P:7471A	240-18581-B-23-D		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	240-18581-B-23-D		240-70191	240-69805	12/26/2012 17:16	1	TAL NC	DH
A:Moisture	240-18581-A-23		240-69666		12/20/2012 15:12	1	TAL NC	TH

Lab ID: 240-18581-24 **Client ID: 070SB-0074-0001-TB**

Sample Date/Time: 12/07/2012 08:00 Received Date/Time: 12/08/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-18581-A-24		240-68395		12/12/2012 19:41	1	TAL NC	LE
A:8260B/DoD	240-18581-A-24		240-68395		12/12/2012 19:41	1	TAL NC	LE

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 240-68395/6		240-68395		12/12/2012 14:01	1	TAL NC	LE
A:8260B/DoD	MB 240-68395/6		240-68395		12/12/2012 14:01	1	TAL NC	LE
A:8260B/DoD	MB 240-68879/7		240-68879		12/15/2012 19:02	1	TAL NC	TL
A:8260B/DoD	MB 240-68905/7		240-68905		12/17/2012 01:09	1	TAL NC	TL
P:3540C	MB 240-69446/11-A		240-70078	240-69446	12/19/2012 13:55	1	TAL NC	SE
A:8270C/DoD	MB 240-69446/11-A		240-70078	240-69446	12/26/2012 10:01	1	TAL NC	JG
P:3540C	MB 240-69432/23-A		240-70417	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	MB 240-69432/23-A		240-70417	240-69432	12/28/2012 11:25	1	TAL NC	JG
A:8015B	MB 240-69540/24		240-69540		12/21/2012 00:32	1	TAL NC	HMB
P:3540C	MB 240-69404/17-A		240-69606	240-69404	12/19/2012 11:57	1	TAL NC	SE
A:8015B_DRO/DOD	MB 240-69404/17-A		240-69606	240-69404	12/21/2012 02:36	1	TAL NC	DB
P:3540C	MB 240-69794/6-A		240-70006	240-69794	12/21/2012 11:38	1	TAL NC	AC
A:8015B_DRO/DOD	MB 240-69794/6-A		240-70006	240-69794	12/25/2012 01:37	1	TAL NC	DB
P:3540C	MB 240-69426/6-A		240-69893	240-69426	12/19/2012 12:53	1	TAL NC	SE
A:8081/DOD	MB 240-69426/6-A		240-69893	240-69426	12/22/2012 22:56	1	TAL NC	CV
P:3540C	MB 240-69415/23-A		240-69717	240-69415	12/19/2012 12:21	1	TAL NC	SE
A:8082/DOD	MB 240-69415/23-A		240-69717	240-69415	12/21/2012 10:46	1	TAL NC	LH
P:3540C	MB 240-70113/18-A		240-70556	240-70113	12/26/2012 10:28	1	TAL NC	AC
A:8082/DOD	MB 240-70113/18-A		240-70556	240-70113	12/29/2012 22:01	1	TAL NC	LH
P:3540C	MB 240-70774/19-A		240-70882	240-70774	12/31/2012 13:58	1	TAL NC	LH
A:8082/DOD	MB 240-70774/19-A		240-70882	240-70774	01/02/2013 17:05	1	TAL NC	LH
P:8151A	MB 240-69221/23-A		240-69890	240-69221	12/18/2012 11:08	1	TAL NC	BM
A:8151/DOD	MB 240-69221/23-A		240-69890	240-69221	12/23/2012 03:56	1	TAL NC	DB
P:Sieve/Ultrasoni	MB 320-7654/1-A		320-7855	320-7654	12/20/2012 09:42	1	TAL WSC	TP
A:8330 Modified	MB 320-7654/1-A		320-7855	320-7654	12/27/2012 01:45	1	TAL WSC	RN
P:8330B	MB 320-7655/1-A		320-8012	320-7655	12/20/2012 09:53	1	TAL WSC	TP
A:8330B	MB 320-7655/1-A		320-8012	320-7655	12/30/2012 00:33	1	TAL WSC	RN
P:8330B	MB 320-7655/1-A		320-8144	320-7655	12/20/2012 09:53	1	TAL WSC	TP
A:8330B	MB 320-7655/1-A		320-8144	320-7655	01/03/2013 01:44	1	TAL WSC	RN
P:3050B	MB 180-59183/1-A		180-59694	180-59183	12/17/2012 12:42	1	TAL PIT	BR
A:6020/DOD	MB 180-59183/1-A		180-59694	180-59183	12/28/2012 23:33	1	TAL PIT	BR
P:3050B	MB 180-59314/1-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	MB 180-59314/1-A		180-59694	180-59314	12/29/2012 01:59	1	TAL PIT	BR
P:7471A	MB 240-69021/1-A		240-69324	240-69021	12/17/2012 15:15	1	TAL NC	DE
A:7471/DOD	MB 240-69021/1-A		240-69324	240-69021	12/18/2012 11:17	1	TAL NC	DH
P:7471A	MB 240-69805/1-A		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	MB 240-69805/1-A		240-70191	240-69805	12/26/2012 16:48	1	TAL NC	DH
P:353 (NCell-Hyd)	MB 320-7571/1-B		320-8137	320-7638	12/20/2012 08:01	1	TAL WSC	TP
A:WS-WC-0050	MB 320-7571/1-B		320-8137	320-7638	12/20/2012 12:16	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 240-68395/5		240-68395		12/12/2012 13:15	1	TAL NC	LE
A:8260B/DoD	LCS 240-68395/5		240-68395		12/12/2012 13:15	1	TAL NC	LE
A:8260B/DoD	LCS 240-68879/6		240-68879		12/15/2012 18:40	1	TAL NC	TL
A:8260B/DoD	LCS 240-68905/6		240-68905		12/17/2012 00:47	1	TAL NC	TL
P:3540C	LCS 240-69446/12-A		240-70078	240-69446	12/19/2012 13:55	1	TAL NC	SE
A:8270C/DoD	LCS 240-69446/12-A		240-70078	240-69446	12/26/2012 10:25	1	TAL NC	JG
P:3540C	LCS 240-69432/24-A		240-70417	240-69432	12/19/2012 13:03	1	TAL NC	SE
A:8270C/DoD	LCS 240-69432/24-A		240-70417	240-69432	12/28/2012 11:48	1	TAL NC	JG
A:8015B	LCS 240-69540/25		240-69540		12/21/2012 01:10	1	TAL NC	HMB
P:3540C	LCS 240-69404/18-A		240-69606	240-69404	12/19/2012 11:57	1	TAL NC	SE
A:8015B_DRO/DOD	LCS 240-69404/18-A		240-69606	240-69404	12/21/2012 03:06	1	TAL NC	DB
P:3540C	LCS 240-69794/7-A		240-70006	240-69794	12/21/2012 11:38	1	TAL NC	AC
A:8015B_DRO/DOD	LCS 240-69794/7-A		240-70006	240-69794	12/25/2012 02:16	1	TAL NC	DB
P:3540C	LCS 240-69426/7-A		240-69893	240-69426	12/19/2012 12:53	1	TAL NC	SE
A:8081/DOD	LCS 240-69426/7-A		240-69893	240-69426	12/22/2012 19:15	1	TAL NC	CV
P:3540C	LCS 240-69415/24-A		240-69717	240-69415	12/19/2012 12:21	1	TAL NC	SE
A:8082/DOD	LCS 240-69415/24-A		240-69717	240-69415	12/21/2012 12:20	1	TAL NC	LH
P:3540C	LCS 240-70113/19-A		240-70556	240-70113	12/26/2012 10:28	1	TAL NC	AC
A:8082/DOD	LCS 240-70113/19-A		240-70556	240-70113	12/30/2012 00:53	1	TAL NC	LH
P:3540C	LCS 240-70774/18-A		240-70882	240-70774	12/31/2012 13:58	1	TAL NC	LH
A:8082/DOD	LCS 240-70774/18-A		240-70882	240-70774	01/02/2013 19:58	1	TAL NC	LH
P:8151A	LCS 240-69221/24-A		240-69890	240-69221	12/18/2012 11:08	1	TAL NC	BM
A:8151/DOD	LCS 240-69221/24-A		240-69890	240-69221	12/23/2012 04:19	1	TAL NC	DB
P:Sieve/Ultrasoni	LCS 320-7654/2-A		320-7855	320-7654	12/20/2012 09:42	1	TAL WSC	TP
A:8330 Modified	LCS 320-7654/2-A		320-7855	320-7654	12/27/2012 01:59	1	TAL WSC	RN
P:8330B	LCS 320-7655/2-A		320-8012	320-7655	12/20/2012 09:53	1	TAL WSC	TP
A:8330B	LCS 320-7655/2-A		320-8012	320-7655	12/30/2012 01:13	1	TAL WSC	RN
P:3050B	LCS 180-59183/2-A		180-59694	180-59183	12/17/2012 12:42	1	TAL PIT	BR
A:6020/DOD	LCS 180-59183/2-A		180-59694	180-59183	12/28/2012 23:37	1	TAL PIT	BR
P:3050B	LCS 180-59314/2-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	LCS 180-59314/2-A		180-59694	180-59314	12/29/2012 02:03	1	TAL PIT	BR
P:7471A	LCS 240-69021/2-A		240-69324	240-69021	12/17/2012 15:15	1	TAL NC	DE
A:7471/DOD	LCS 240-69021/2-A		240-69324	240-69021	12/18/2012 11:19	1	TAL NC	DH
P:7471A	LCS 240-69805/2-A		240-70191	240-69805	12/21/2012 14:10	1	TAL NC	DE
A:7471/DOD	LCS 240-69805/2-A		240-70191	240-69805	12/26/2012 16:50	1	TAL NC	DH
P:353 (NCell-Hyd)	LCS 320-7571/2-B		320-8137	320-7638	12/20/2012 08:01	1	TAL WSC	TP
A:WS-WC-0050	LCS 320-7571/2-B		320-8137	320-7638	12/20/2012 12:18	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCSD 180-59314/3-A		180-59694	180-59314	12/24/2012 11:01	1	TAL PIT	CH
A:6020/DOD	LCSD 180-59314/3-A		180-59694	180-59314	12/29/2012 02:08	1	TAL PIT	BR

Client: Environmental Chemical Corp. Job Number: 240-18581-1

Laboratory Chronicle

Lab ID: MRL **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MRL 240-68395/4		240-68395		12/12/2012 12:52	1	TAL NC	LE
A:8260B/DoD	MRL 240-68395/4		240-68395		12/12/2012 12:52	1	TAL NC	LE
P:5030B	MRL 240-68395/22		240-68395		12/12/2012 20:04	1	TAL NC	LE
A:8260B/DoD	MRL 240-68395/22		240-68395		12/12/2012 20:04	1	TAL NC	LE
A:8260B/DoD	MRL 240-68879/5		240-68879		12/15/2012 18:19	1	TAL NC	TL
A:8260B/DoD	MRL 240-68879/33		240-68879		12/16/2012 04:26	1	TAL NC	TL
A:8260B/DoD	MRL 240-68905/5		240-68905		12/17/2012 00:26	1	TAL NC	TL
A:8260B/DoD	MRL 240-68905/33		240-68905		12/17/2012 10:34	1	TAL NC	TL
A:8270C/DoD	MRL 240-70078/3		240-70078		12/26/2012 09:38	1	TAL NC	JG
A:8270C/DoD	MRL 240-70078/16		240-70078		12/26/2012 14:42	1	TAL NC	JG
A:8270C/DoD	MRL 240-70417/4		240-70417		12/28/2012 11:00	1	TAL NC	JG
A:8270C/DoD	MRL 240-70417/18		240-70417		12/28/2012 17:13	1	TAL NC	JG
A:8270C/DoD	MRL 240-70582/4		240-70582		12/29/2012 13:22	1	TAL NC	JG
A:8270C/DoD	MRL 240-70582/24		240-70582		12/29/2012 21:10	1	TAL NC	JG
A:8015B	MRL 240-69540/23		240-69540		12/20/2012 23:54	1	TAL NC	HMB
A:8015B	MRL 240-69540/38		240-69540		12/21/2012 09:22	1	TAL NC	HMB
A:8015B_DRO/DOD	MRL 240-69606/4		240-69606		12/20/2012 16:30	1	TAL NC	DB
A:8015B_DRO/DOD	MRL 240-69606/47		240-69606		12/21/2012 14:11	1	TAL NC	DB
A:8015B_DRO/DOD	MRL 240-70013/4		240-70013		12/24/2012 13:45	1	TAL NC	DB
A:8015B_DRO/DOD	MRL 240-70013/31		240-70013		12/25/2012 03:14	1	TAL NC	DB
A:8081/DOD	MRL 240-69893/19		240-69893		12/22/2012 18:51	1	TAL NC	CV
A:8081/DOD	MRL 240-69893/43		240-69893		12/23/2012 04:37	1	TAL NC	CV
A:8081/DOD	MRL 240-71028/14		240-71028		01/03/2013 20:35	1	TAL NC	CV
A:8081/DOD	MRL 240-71028/46		240-71028		01/04/2013 10:38	1	TAL NC	CV
A:8082/DOD	MRL 240-69717/10		240-69717		12/21/2012 08:40	1	TAL NC	LH
A:8082/DOD	MRL 240-69717/26		240-69717		12/21/2012 12:52	1	TAL NC	LH
A:8082/DOD	MRL 240-70556/4		240-70556		12/29/2012 19:23	1	TAL NC	LH
A:8082/DOD	MRL 240-70556/27		240-70556		12/30/2012 01:25	1	TAL NC	LH
A:8082/DOD	MRL 240-70882/4		240-70882		01/02/2013 14:28	1	TAL NC	LH
A:8082/DOD	MRL 240-70882/27		240-70882		01/02/2013 20:29	1	TAL NC	LH
A:8151/DOD	MRL 240-69890/17		240-69890		12/22/2012 17:21	1	TAL NC	DB
A:8151/DOD	MRL 240-69890/46		240-69890		12/23/2012 04:43	1	TAL NC	DB
A:WS-WC-0050	MRL 320-8137/10		320-8137		12/20/2012 12:06	1	TAL WSC	JB
A:WS-WC-0050	MRL 320-8137/20		320-8137		12/20/2012 12:26	1	TAL WSC	JB
A:WS-WC-0050	MRL 320-8137/34		320-8137		12/20/2012 12:54	1	TAL WSC	JB
A:WS-WC-0050	MRL 320-8137/47		320-8137		12/20/2012 13:20	1	TAL WSC	JB

Lab References:

TAL NC = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

TAL WSC = TestAmerica Sacramento

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EX10PPMSPK_00006	01/25/13	07/25/12	MEOH, Lot 117046	1000 mL	EXPCB1016_00004	2 mL	Aroclor-1016	10 ug/mL
					EXPCB1260_00004	2 mL	Aroclor-1260	10 ug/mL
.EXPCB1016_00004	12/06/15	AccuStandard, Inc., Lot B5120059			(Purchased Reagent)		Aroclor-1016	5000 ug/mL
.EXPCB1260_00004	06/25/13	AccuStandard, Lot B3060258			(Purchased Reagent)		Aroclor-1260	5000 ug/mL
EX2/.2SURRW_00020	05/28/13	11/28/12	MEOH, Lot 123279	2000 mL	EX2/.2SURR_00002	2 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.EX2/.2SURR_00002	10/01/13	Ultra Scientific, Lot CG-3165			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
EXBNALCS1_00031	06/30/13	12/05/12	MEOH, Lot 123279	200 mL	EXBNALCS_00009	40 mL	1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Dinitrobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	40 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Aniline	20.02 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di(2-ethylhexyl)adipate	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20.02 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
.EXBNALCS_00009	06/30/13		SUPELCO, Lot LB93716		(Purchased Reagent)		1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Aniline	100.1 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di(2-ethylhexyl)adipate	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100.1 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
EXBNASURRW_00021	07/31/15	11/26/12	MEOH, Lot 123279	2000 mL	EXBNASURR_00007	400 mL	2,4,6-Tribromophenol (Surr)	30 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	30 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	30 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.EXBNASURR_00007	07/31/15		SUPELCO, Lot lb88729		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	150 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	150 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	150 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
EXDIESELSPKW_00021	04/30/13	10/31/12	MECL2, Lot 0000018722	100 mL	EXDIESELSPK_00005	5 mL	Diesel	2500 ug/mL
.EXDIESELSPK_00005	02/28/15		ULTRA, Lot CH-0185		(Purchased Reagent)		Diesel	50000 ug/mL
EXDIESELSPKW_00022	06/13/13	12/13/12	MECL2, Lot 0000025517	100 mL	EXDIESELSPK_00005	5 mL	Diesel	2500 ug/mL
.EXDIESELSPK_00005	02/28/15		ULTRA, Lot CH-0185		(Purchased Reagent)		Diesel	50000 ug/mL
EXHEASPIKEW_00007	05/28/13	11/28/12	MEOH, Lot 123279	100 mL	EXHERBEASPIKE_00017	10 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2.5 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
.EXHERBEASPIKE_00017	11/30/13	ULTRA SCIENTIFIC, Lot CG-1351			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	25 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
EXHERBSURR_00012	05/28/13	08/28/12	MEOH, Lot 123279	500 mL	EXHERBSOILSUR_00010	2 mL	2,4-Dichlorophenylacetic acid	20 ug/mL
.EXHERBSOILSUR_00010	08/31/13	Ultra scientific, Lot CH-1733			(Purchased Reagent)		2,4-Dichlorophenylacetic acid	5000 ug/mL
EXPSTNPDESSPW_00011	02/01/13	08/01/12	MEOH, Lot 117046	200 mL	EXPELCSSTOCK_00002	20 mL	4,4'-DDD	1 ug/mL
							4,4'-DDE	1 ug/mL
							4,4'-DDT	1 ug/mL
							Aldrin	1 ug/mL
							alpha-BHC	1 ug/mL
							alpha-Chlordane	1 ug/mL
							beta-BHC	1 ug/mL
							delta-BHC	1 ug/mL
							Dieldrin	1 ug/mL
							Endosulfan I	1 ug/mL
							Endosulfan II	1 ug/mL
							Endosulfan sulfate	1 ug/mL
							Endrin	1 ug/mL
							Endrin aldehyde	1 ug/mL
							Endrin ketone	1 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							gamma-Chlordane	1 ug/mL
							Heptachlor	1 ug/mL
							Heptachlor epoxide	1 ug/mL
							Methoxychlor	1 ug/mL
.EXPELCSSTOCK_00002	04/30/13	08/02/11	MEOH, Lot 117046	100 mL	EXPESTSTOCK_00005	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..EXPESTSTOCK_00005	04/30/13		ULTRA, Lot CH-0689		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
EXRESTEKSPKW_00017	12/20/12	12/04/12	MEOH, Lot 123279	200 mL	EXBNARESSPK_00006	40 mL	1,1'-Biphenyl	20 ug/mL
							1,4-Dioxane	20 ug/mL
							2-Picoline	20 ug/mL
							Acetophenone	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							Chloroacetophenone	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Phenacetin	20 ug/mL
							Phorate	20 ug/mL
							Pronamide	20 ug/mL
							Quinoline	20 ug/mL
							Safrole, Total	20 ug/mL
.EXBNARESSPK_00006	12/13/13		Restek, Lot A089172		(Purchased Reagent)		1,1'-Biphenyl	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2-Picoline	100 ug/mL
							Acetophenone	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
							Chloroacetophenone	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Phenacetin	100 ug/mL
							Phorate	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
							Safrole, Total	100 ug/mL
EXTPHSURR_00016	04/30/13	10/31/12	MECL2, Lot 0000018772	1000 mL	EXTPHSTOCK_00006	5 mL	n-Nonane	500 ug/mL
.EXTPHSTOCK_00006	06/05/13	06/05/12	MECL2, Lot L12E15	50 mL	EXNONANE_00002	5 g	n-Nonane	100000 ug/g
..EXNONANE_00002	06/04/14		Sigma-Aldrich, Lot STBC5938V		(Purchased Reagent)		n-Nonane	1000000 ug/g
MTAQUAREGIA_00413	12/17/12	12/17/12	NA, Lot NA	400 mL	MTHCL_00050	300 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00039	100 mL	Nitric acid	0.25 mL/mL
.MTHCL_00050	12/12/14		Macron Chemical, Lot 0000013500		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00039	12/12/14		Macron Chemicals, Lot K47022		(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00416	12/21/12	12/21/12	NA, Lot NA	320 mL	MTHCL_00050	240 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00039	80 mL	Nitric acid	0.25 mL/mL
.MTHCL_00050	12/12/14		Macron Chemical, Lot 0000013500		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00039	12/12/14		Macron Chemicals, Lot K47022		(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00417	12/26/12	12/26/12	NA, Lot NA	240 mL	MTHCL_00050	180 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00039	60 mL	Nitric acid	0.25 mL/mL
.MTHCL_00050	12/12/14		Macron Chemical, Lot 0000013500		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00039	12/12/14		Macron Chemicals, Lot K47022		(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00292	12/17/12	12/17/12	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00006	1 mL	Mercury	100 ug/L
					MTHNO3_00038	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00006	08/20/13		High Purity, Lot 1221902		(Purchased Reagent)		Mercury	10 ug/mL
.MTHNO3_00038	11/28/14		Macron Chemicals, Lot L03021		(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00294	12/26/12	12/26/12	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00006	1 mL	Mercury	100 ug/L
					MTHNO3_00039	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00006	08/20/13		High Purity, Lot 1221902		(Purchased Reagent)		Mercury	10 ug/mL
.MTHNO3_00039	12/12/14		Macron Chemicals, Lot K47022		(Purchased Reagent)		Nitric acid	100 %
MTHGICVW_00450	12/17/12	12/17/12	DIWATER, Lot DIWATER	100 mL	MTHgStd_00007	1 mL	Mercury	500 ug/L
					MTHNO3_00038	0.15 mL	Nitric acid	1500000 ug/L
.MTHgStd_00007	02/16/14		CPI, Lot 10E072		(Purchased Reagent)		Mercury	50 ug/mL
.MTHNO3_00038	11/28/14		Macron Chemicals, Lot L03021		(Purchased Reagent)		Nitric acid	100 %
MTHGICVW_00454	12/21/12	12/21/12	DIWATER, Lot DIWATER	100 mL	MTHgStd_00007	1 mL	Mercury	500 ug/L
					MTHNO3_00038	0.15 mL	Nitric acid	1500000 ug/L
.MTHgStd_00007	02/16/14		CPI, Lot 10E072		(Purchased Reagent)		Mercury	50 ug/mL
.MTHNO3_00038	11/28/14		Macron Chemicals, Lot L03021		(Purchased Reagent)		Nitric acid	100 %
MTHGICVW_00455	12/26/12	12/26/12	DIWATER, Lot DIWATER	100 mL	MTHgStd_00007	1 mL	Mercury	500 ug/L
					MTHNO3_00039	0.15 mL	Nitric acid	1500000 ug/L
.MTHgStd_00007	02/16/14		CPI, Lot 10E072		(Purchased Reagent)		Mercury	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MTHNO3_00039	12/12/14	Macron Chemicals, Lot K47022			(Purchased Reagent)		Nitric acid	100 %
MTKMnO4Liq_00009	11/30/14	Ricca Chemical Company, Lot 2212081			(Purchased Reagent)		Potassium Permanganate	1 g
MTKMnO4Liq_00010	11/30/14	Ricca Chemical Company, Lot 2212081			(Purchased Reagent)		Potassium Permanganate	1 g
SG 1660 ICV_00003	07/03/13	07/03/12	HEXANE, Lot K42e19	10 mL	SG 1016 ICV_00004	1 mL	Aroclor-1016	10 ug/mL
					SG 1260 ICV_00005	1 mL	Aroclor-1260	10 ug/mL
.SG 1016 ICV_00004	03/31/17	ULTRA, Lot CF-0785			(Purchased Reagent)		Aroclor-1016	100 ug/mL
.SG 1260 ICV_00005	12/31/14	ULTRA, Lot CC-3829			(Purchased Reagent)		Aroclor-1260	100 ug/mL
SG1221ICV_00006	08/27/13	08/27/12	HEXANE, Lot L03E01	10 mL	SG 1221 ICV_00003	1 mL	Aroclor-1221	10000 ug/L
.SG 1221 ICV_00003	12/31/14	Ultra Scientific, Lot CB-1791z			(Purchased Reagent)		Aroclor-1221	100 ug/mL
SG1232@0.05PP_00005	12/05/12	06/05/12	HEXANE, Lot J42E19	100 mL	SG1232@10ppm_00002	0.5 mL	PCB-1232 Peak 1	0.05 ug/mL
							PCB-1232 Peak 2	0.05 ug/mL
							PCB-1232 Peak 3	0.05 ug/mL
							PCB-1232 Peak 4	0.05 ug/mL
							PCB-1232 Peak 5	0.05 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14	restek, Lot a052599			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.1PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42E19	100 mL	SG1232@10ppm_00002	1 mL	PCB-1232 Peak 1	0.1 ug/mL
							PCB-1232 Peak 2	0.1 ug/mL
							PCB-1232 Peak 3	0.1 ug/mL
							PCB-1232 Peak 4	0.1 ug/mL
							PCB-1232 Peak 5	0.1 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14	restek, Lot a052599			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.2PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42e19	100 mL	SG1232@10ppm_00002	2 mL	PCB-1232 Peak 1	0.2 ug/mL
							PCB-1232 Peak 2	0.2 ug/mL
							PCB-1232 Peak 3	0.2 ug/mL
							PCB-1232 Peak 4	0.2 ug/mL
							PCB-1232 Peak 5	0.2 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.5PPM_00008	12/08/12	07/12/12	HEXANE, Lot K42e19	100 mL	SG1232@10ppm_00002	5 mL	PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@1.0PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42E19	100 mL	SG1232@10ppm_00002	10 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@2.0PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42E19	100 mL	SG1232@10ppm_00002	20 mL	PCB-1232 Peak 1	2 ug/mL
							PCB-1232 Peak 2	2 ug/mL
							PCB-1232 Peak 3	2 ug/mL
							PCB-1232 Peak 4	2 ug/mL
							PCB-1232 Peak 5	2 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232ICV_00003	05/16/13	05/16/12	HEXANE, Lot K42E19	10 mL	SG 1232 ICV_00003	1 mL	Aroclor-1232	10 ug/mL
.SG 1232 ICV_00003	10/31/14		Ultra Scientific, Lot CG-3213		(Purchased Reagent)		Aroclor-1232	100 ug/mL
SG1242@.05ppm_00004	01/03/13	07/03/12	HEXANE, Lot k142e19	100 mL	SG1242@10ppm_00002	0.5 mL	PCB-1242 Peak 1	0.05 ug/mL
							PCB-1242 Peak 2	0.05 ug/mL
							PCB-1242 Peak 3	0.05 ug/mL
							PCB-1242 Peak 4	0.05 ug/mL
							PCB-1242 Peak 5	0.05 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.1ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	1 mL	PCB-1242 Peak 1	0.1 ug/mL
							PCB-1242 Peak 2	0.1 ug/mL
							PCB-1242 Peak 3	0.1 ug/mL
							PCB-1242 Peak 4	0.1 ug/mL
							PCB-1242 Peak 5	0.1 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.2ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	2 mL	PCB-1242 Peak 1	0.2 ug/mL
							PCB-1242 Peak 2	0.2 ug/mL
							PCB-1242 Peak 3	0.2 ug/mL
							PCB-1242 Peak 4	0.2 ug/mL
							PCB-1242 Peak 5	0.2 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.5ppm_00006	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	5 mL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
							PCB-1242 Peak 5	0.5 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@1.0ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	10 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@2.0ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	20 mL	PCB-1242 Peak 1	2 ug/mL
							PCB-1242 Peak 2	2 ug/mL
							PCB-1242 Peak 3	2 ug/mL
							PCB-1242 Peak 4	2 ug/mL
							PCB-1242 Peak 5	2 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242ICV_00003	08/09/13	08/09/12	HEXANE, Lot L08E17	10 mL	SG 1242 ICV_00003	1 mL	Aroclor-1242	10 ug/mL
.SG 1242 ICV_00003	09/30/19		Ultra Scientific, Lot CH-2711		(Purchased Reagent)		Aroclor-1242	100 ug/mL
SG1248@.05ppm_00006	01/04/13	07/04/12	HEXANE, Lot K42E19	100 mL	SG1248@10ppm_00003	0.5 mL	PCB-1248 Peak 1	0.05 ug/mL
							PCB-1248 Peak 2	0.05 ug/mL
							PCB-1248 Peak 3	0.05 ug/mL
							PCB-1248 Peak 4	0.05 ug/mL
							PCB-1248 Peak 5	0.05 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.1PPM_00005	01/04/13	07/04/12	HEXANE, Lot k42E19	100 mL	SG1248@10ppm_00003	1 mL	PCB-1248 Peak 1	0.1 ug/mL
							PCB-1248 Peak 2	0.1 ug/mL
							PCB-1248 Peak 3	0.1 ug/mL
							PCB-1248 Peak 4	0.1 ug/mL
							PCB-1248 Peak 5	0.1 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.2ppm_00005	01/04/13	07/04/12	HEXANE, Lot K42E19	100 mL	SG1248@10ppm_00003	2 mL	PCB-1248 Peak 1	0.2 ug/mL
							PCB-1248 Peak 2	0.2 ug/mL
							PCB-1248 Peak 3	0.2 ug/mL
							PCB-1248 Peak 4	0.2 ug/mL
							PCB-1248 Peak 5	0.2 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.5ppm_00006	01/04/13	07/04/12	HEXANE, Lot K42e19	100 mL	SG1248@10ppm_00003	5 mL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@1.0ppm_00004	01/04/13	07/04/12	HEXANE, Lot K42e19	100 mL	SG1248@10ppm_00003	10 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@2.0ppm_00004	01/04/13	07/04/12	HEXANE, Lot K42e19	100 mL	SG1248@10ppm_00003	20 mL	PCB-1248 Peak 1	2 ug/mL
							PCB-1248 Peak 2	2 ug/mL
							PCB-1248 Peak 3	2 ug/mL
							PCB-1248 Peak 4	2 ug/mL
							PCB-1248 Peak 5	2 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248ICV_00005	02/20/13	02/20/12	HEXANE, Lot K29E03	10 mL	SG 1248 ICV_00003	1 mL	Aroclor-1248	10 ug/mL
.SG 1248 ICV_00003	11/30/19		Ultra Scientific, Lot CH-3256		(Purchased Reagent)		Aroclor-1248	100 ug/mL
SG1254ICV_00004	02/22/13	02/22/12	HEXANE, Lot K29e03	10 mL	SG 1254 ICV_00003	1 mL	Aroclor-1254	10 ug/mL
.SG 1254 ICV_00003	05/31/17		Ultra Scientific, Lot CF-1469		(Purchased Reagent)		Aroclor-1254	100 ug/mL
SG1268@.05ppm_00005	12/19/12	06/19/12	HEXANE, Lot K42e19	100 mL	SG1268@10ppm_00004	0.5 mL	PCB-1268 Peak 1	0.05 ug/mL
							PCB-1268 Peak 2	0.05 ug/mL
							PCB-1268 Peak 3	0.05 ug/mL
							PCB-1268 Peak 4	0.05 ug/mL
							PCB-1268 Peak 5	0.05 ug/mL
.SG1268@10ppm_00004	06/19/13	06/19/12	HEXANE, Lot J42e19	100 uL	SGpcb1268std_00003	1 ug/L	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..SGpcb1268std_00003	04/30/18		ultra, Lot a055668		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
SG1268@.1PPM_00007	12/19/12	06/19/12	HEXANE, Lot K42e19	100 mL	SG1268@10ppm_00004	1 mL	PCB-1268 Peak 1	0.1 ug/mL
							PCB-1268 Peak 2	0.1 ug/mL
							PCB-1268 Peak 3	0.1 ug/mL
							PCB-1268 Peak 4	0.1 ug/mL
							PCB-1268 Peak 5	0.1 ug/mL
.SG1268@10ppm_00004	06/19/13	06/19/12	HEXANE, Lot J42e19	100 uL	SGpcb1268std_00003	1 ug/L	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..SGpcb1268std_00003	04/30/18		ultra, Lot a055668		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
SG1268@0.2ppm_00004	12/19/12	06/19/12	HEXANE, Lot K42E19	100 mL	SG1268@10ppm_00004	2 mL	PCB-1268 Peak 1	0.2 ug/mL
							PCB-1268 Peak 2	0.2 ug/mL
							PCB-1268 Peak 3	0.2 ug/mL
							PCB-1268 Peak 4	0.2 ug/mL
							PCB-1268 Peak 5	0.2 ug/mL
.SG1268@10ppm_00004	06/19/13	06/19/12	HEXANE, Lot J42e19	100 uL	SGpcb1268std_00003	1 ug/L	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..SGpcb1268std_00003	04/30/18		ultra, Lot a055668		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
SG1268@0.5ppm_00004	12/19/12	06/19/12	HEXANE, Lot K42e19	100 mL	SG1268@10ppm_00004	5 mL	PCB-1268 Peak 1	0.5 ug/mL
							PCB-1268 Peak 2	0.5 ug/mL
							PCB-1268 Peak 3	0.5 ug/mL
							PCB-1268 Peak 4	0.5 ug/mL
							PCB-1268 Peak 5	0.5 ug/mL
.SG1268@10ppm_00004	06/19/13	06/19/12	HEXANE, Lot J42e19	100 uL	SGpcb1268std_00003	1 ug/L	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..SGpcb1268std_00003	04/30/18		ultra, Lot a055668		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
SG1268@1.0PPM_00004	12/19/12	06/19/12	HEXANE, Lot K42e19	100 mL	SG1268@10ppm_00004	10 mL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
.SG1268@10ppm_00004	06/19/13	06/19/12	HEXANE, Lot J42e19	100 uL	SGpcb1268std_00003	1 ug/L	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..SGpcb1268std_00003	04/30/18		ultra, Lot a055668		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
SG1268@2.0PPM_00004	12/19/12	06/19/12	HEXANE, Lot K42e19	100 mL	SG1268@10ppm_00004	20 mL	PCB-1268 Peak 1	2 ug/mL
							PCB-1268 Peak 2	2 ug/mL
							PCB-1268 Peak 3	2 ug/mL
							PCB-1268 Peak 4	2 ug/mL
							PCB-1268 Peak 5	2 ug/mL
.SG1268@10ppm_00004	06/19/13	06/19/12	HEXANE, Lot J42e19	100 uL	SGpcb1268std_00003	1 ug/L	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 5	10 ug/mL
..SGpcb1268std_00003	04/30/18	ultra, Lot a055668			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
SG1660@.05PPM_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	0.5 mL	Aroclor-1016	0.05 ug/mL
							Aroclor-1260	0.05 ug/mL
							PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
					SGPCGSURRSTK_00003	0.125 mL	DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.2ppm_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	2 mL	PCB-1016 Peak 1	0.2 ug/mL
							PCB-1016 Peak 2	0.2 ug/mL
							PCB-1016 Peak 3	0.2 ug/mL
							PCB-1016 Peak 4	0.2 ug/mL
							PCB-1016 Peak 5	0.2 ug/mL
							PCB-1260 Peak 1	0.2 ug/mL
							PCB-1260 Peak 2	0.2 ug/mL
							PCB-1260 Peak 3	0.2 ug/mL
							PCB-1260 Peak 4	0.2 ug/mL
							PCB-1260 Peak 5	0.2 ug/mL
					SGPCGSURRSTK_00003	0.5 mL	DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.5PPM_00012	03/03/13	09/03/12	HEXANE, Lot 0000013019	200 mL	SG1016/1260_00005	10 mL	PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.5PPM_00014	05/30/13	12/09/12	HEXANE, Lot 0000017861	200 mL	SG1016/1260_00005	10 mL	Aroclor-1016	0.5 ug/mL
							Aroclor-1260	0.5 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@1.0PPM_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	10 mL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@2.0PPM_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	20 mL	PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL
					SGPCGSURRSTK_00003	5 mL	DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660STD@0.1_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	1 mL	PCB-1016 Peak 1	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
					SGPCGSURRSTK_00003	0.25 mL	DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG2154@0.05PP_00003	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	0.5 mL	PCB-1221 Peak 1	0.05 ug/mL
							PCB-1221 Peak 2	0.05 ug/mL
							PCB-1221 Peak 3	0.05 ug/mL
							PCB-1254 Peak 1	0.05 ug/mL
							PCB-1254 Peak 2	0.05 ug/mL
							PCB-1254 Peak 3	0.05 ug/mL
							PCB-1254 Peak 4	0.05 ug/mL
							PCB-1254 Peak 5	0.05 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.2PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08e17	100 mL	SG2154@10ppm_00002	2 mL	PCB-1221 Peak 1	0.2 ug/mL
							PCB-1221 Peak 2	0.2 ug/mL
							PCB-1221 Peak 3	0.2 ug/mL
							PCB-1254 Peak 1	0.2 ug/mL
							PCB-1254 Peak 2	0.2 ug/mL
							PCB-1254 Peak 3	0.2 ug/mL
							PCB-1254 Peak 4	0.2 ug/mL
							PCB-1254 Peak 5	0.2 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.5PPM_00006	01/31/13	08/02/12	HEXANE, Lot L08e17	100 mL	SG2154@10ppm_00002	5 mL	PCB-1221 Peak 1	0.5 ug/mL
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL
							PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@1.0PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	10 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
							PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@2.0PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	20 mL	PCB-1221 Peak 1	2 ug/mL
							PCB-1221 Peak 2	2 ug/mL
							PCB-1221 Peak 3	2 ug/mL
							PCB-1254 Peak 1	2 ug/mL
							PCB-1254 Peak 2	2 ug/mL
							PCB-1254 Peak 3	2 ug/mL
							PCB-1254 Peak 4	2 ug/mL
							PCB-1254 Peak 5	2 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.1PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	1 mL	PCB-1221 Peak 1	0.1 ug/mL
							PCB-1221 Peak 2	0.1 ug/mL
							PCB-1221 Peak 3	0.1 ug/mL
							PCB-1254 Peak 1	0.1 ug/mL
							PCB-1254 Peak 2	0.1 ug/mL
							PCB-1254 Peak 3	0.1 ug/mL
							PCB-1254 Peak 4	0.1 ug/mL
							PCB-1254 Peak 5	0.1 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
sgdiesel icv_00002	09/26/12	09/26/11	MECL2, Lot K29J00	100 mL	sgdeisel Icv_00002	1 g	Diesel	10000 ug/mL
.sgdeisel Icv_00002	09/26/12		sheets, Lot sheets		(Purchased Reagent)		Diesel	1000000 g
SGDIESELNON_00007	02/14/13	02/14/12	MECL2, Lot K48E14	100 mL	SGDIESELNONAN_00001	1 mL	n-Nonane	1000 ug/mL
					SGTPHDIESEL_00004	1 g	Diesel	10000 ug/mL
.SGDIESELNONAN_00001	08/16/12	08/16/11	MECL2, Lot K24J00	10 mL	SGTPHNONANE_00003	1 mL	n-Nonane	100000 ug/mL
..SGTPHNONANE_00003	08/16/12		sigma aldrich, Lot TBc0210v		(Purchased Reagent)		n-Nonane	1000000 ug/mL
.SGTPHDIESEL_00004	02/14/13		SCFN, Lot 021412		(Purchased Reagent)		Diesel	1000000 ug/mL
SGDROCAL_00001	02/14/13	10/12/12	MECL2, Lot 0000010059	100 mL	SGDROCALSTK_00001	1 g	Diesel	10000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SGDROSURR_00001	1 mL	n-Nonane	1000 ug/mL
.SGDROCALSTK_00001	02/14/13		SCFN, Lot 021412		(Purchased Reagent)		Diesel	1000000 ug/mL
.SGDROSURR_00001	04/12/13	10/12/12	MECL2, Lot 0000010059	10 mL	SGDROSURRSTK_00001	1 mL	n-Nonane	100000 ug/mL
..SGDROSURRSTK_00001	08/20/13		sigma aldrich, Lot TBC5938V		(Purchased Reagent)		n-Nonane	1000000 ug/mL
SGDROICV_00001	04/12/13	10/12/12	MECL2, Lot 0000010059	100 mL	SGDROICVSTK_00001	1 g	Diesel	10000 ug/mL
.SGDROICVSTK_00001	10/05/13		Sheetz Station, Lot Sheetz		(Purchased Reagent)		Diesel	1000000 g
sgherbicv_00015	02/03/13	08/03/12	hexane, Lot L08E17	100 mL	SGHERBICV_00012	1 mL	2,4,5-T	0.02 ug/mL
							2,4-D	0.08 ug/mL
							2,4-DB	0.08 ug/mL
							2,4-Dichlorophenylacetic acid	0.08 ug/mL
							Dalapon	0.0399 ug/mL
							Dicamba	0.04 ug/mL
							Dichlorprop	0.08 ug/mL
							Dinoseb	0.012 ug/mL
							MCPA	8 ug/mL
							MCPP	8 ug/mL
							Silvex (2,4,5-TP)	0.02 ug/mL
.SGHERBICV_00012	07/31/13		RESTEK, Lot A083000		(Purchased Reagent)		2,4,5-T	2 ug/mL
							2,4-D	8 ug/mL
							2,4-DB	8 ug/mL
							2,4-Dichlorophenylacetic acid	8 ug/mL
							Dalapon	3.99 ug/mL
							Dicamba	4 ug/mL
							Dichlorprop	8 ug/mL
							Dinoseb	1.2 ug/mL
							MCPA	800 ug/mL
							MCPP	800 ug/mL
							Silvex (2,4,5-TP)	2 ug/mL
SGHERBL1_00009	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	100 uL	2,4,5-T	0.005 ug/mL
							2,4-D	0.02 ug/mL
							2,4-DB	0.02 ug/mL
							2,4-Dichlorophenylacetic acid	0.02 ug/mL
							Dalapon	0.01 ug/mL
							Dicamba	0.01 ug/mL
							Dichlorprop	0.02 ug/mL
							Dinoseb	0.003 ug/mL
							MCPA	2 ug/mL
							MCPP	2 ug/mL
							Silvex (2,4,5-TP)	0.005 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13		Ultra Scientific, Lot CH-1342		(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL2_00006	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	200 uL	2,4,5-T	0.01 ug/mL
							2,4-D	0.04 ug/mL
							2,4-DB	0.04 ug/mL
							2,4-Dichlorophenylacetic acid	0.04 ug/mL
							Dalapon	0.02 ug/mL
							Dicamba	0.02 ug/mL
							Dichlorprop	0.04 ug/mL
							Dinoseb	0.006 ug/mL
							MCPA	4 ug/mL
							MCPP	4 ug/mL
							Silvex (2,4,5-TP)	0.01 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13		Ultra Scientific, Lot CH-1342		(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SGHERBL3_00008	02/23/13	08/23/12	HEXANE, Lot L03E01	100 mL	SGHERBST_00009	400 uL	2,4,5-T	0.02 ug/mL
							2,4-D	0.08 ug/mL
							2,4-DB	0.08 ug/mL
							2,4-Dichlorophenylacetic acid	0.08 ug/mL
							Dalapon	0.04 ug/mL
							Dicamba	0.04 ug/mL
							Dichlorprop	0.08 ug/mL
							Dinoseb	0.012 ug/mL
							MCPA	8 ug/mL
							MCPP	8 ug/mL
							Silvex (2,4,5-TP)	0.02 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13		Ultra Scientific, Lot CH-1342		(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL4_00006	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	800 uL	2,4,5-T	0.04 ug/mL
							2,4-D	0.16 ug/mL
							2,4-DB	0.16 ug/mL
							2,4-Dichlorophenylacetic acid	0.16 ug/mL
							Dalapon	0.08 ug/mL
							Dicamba	0.08 ug/mL
							Dichlorprop	0.16 ug/mL
							Dinoseb	0.024 ug/mL
							MCPA	16 ug/mL
							MCPP	16 ug/mL
							Silvex (2,4,5-TP)	0.04 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL5_00006	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	1.6 mL	2,4,5-T	0.08 ug/mL
							2,4-D	0.32 ug/mL
							2,4-DB	0.32 ug/mL
							2,4-Dichlorophenylacetic acid	0.32 ug/mL
							Dalapon	0.16 ug/mL
							Dicamba	0.16 ug/mL
							Dichlorprop	0.32 ug/mL
							Dinoseb	0.048 ug/mL
							MCPA	32 ug/mL
							MCPP	32 ug/mL
							Silvex (2,4,5-TP)	0.08 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL6_00006	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	3.2 mL	2,4,5-T	0.16 ug/mL
							2,4-D	0.64 ug/mL
							2,4-DB	0.64 ug/mL
							2,4-Dichlorophenylacetic acid	0.64 ug/mL
							Dalapon	0.32 ug/mL
							Dicamba	0.32 ug/mL
							Dichlorprop	0.64 ug/mL
							Dinoseb	0.096 ug/mL
							MCPA	64 ug/mL
							MCPP	64 ug/mL
							Silvex (2,4,5-TP)	0.16 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHerbPCP2_00007	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	50 uL	Pentachlorophenol	0.005 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13	Restek, Lot A079471			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCP3_00005	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	100 uL	Pentachlorophenol	0.01 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13	Restek, Lot A079471			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCP4_00005	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	200 uL	Pentachlorophenol	0.02 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SGHERBPCP_00006	01/31/13		Restek, Lot A079471		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCP5_00005	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	400 uL	Pentachlorophenol	0.04 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13		Restek, Lot A079471		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCP6_00005	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	800 uL	Pentachlorophenol	0.08 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13		Restek, Lot A079471		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCPICV_00001	09/27/12	03/27/12	HEXANE, Lot K34E37	100 mL	SGHerbPCPIVST_00002	100 uL	Pentachlorophenol	0.01003 ug/mL
.SGHerbPCPIVST_00002	03/27/13	03/27/12	HEXANE, Lot K34E37	10 mL	SGHerbPCPIVST_00001	1 mL	Pentachlorophenol	10.03 ug/mL
..SGHerbPCPIVST_00001	01/15/14		AccuStandard, Lot B4010036		(Purchased Reagent)		Pentachlorophenol	100.3 ug/mL
SGPestAB1_00003	03/08/13	09/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	25 uL	4,4'-DDD	0.005 ug/mL
							4,4'-DDE	0.005 ug/mL
							4,4'-DDT	0.005 ug/mL
							Aldrin	0.005 ug/mL
							alpha-BHC	0.005 ug/mL
							alpha-Chlordane	0.005 ug/mL
							beta-BHC	0.005 ug/mL
							delta-BHC	0.005 ug/mL
							Dieldrin	0.005 ug/mL
							Endosulfan I	0.005 ug/mL
							Endosulfan II	0.005 ug/mL
							Endosulfan sulfate	0.005 ug/mL
							Endrin	0.005 ug/mL
							Endrin aldehyde	0.005 ug/mL
							Endrin ketone	0.005 ug/mL
							gamma-BHC (Lindane)	0.005 ug/mL
							gamma-Chlordane	0.005 ug/mL
							Heptachlor	0.005 ug/mL
							Heptachlor epoxide	0.005 ug/mL
							Methoxychlor	0.005 ug/mL
							DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL

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Lab Name: TestAmerica Canton Job No.: 240-18581-1

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB2_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	50 uL	4,4'-DDD	0.01 ug/mL
							4,4'-DDE	0.01 ug/mL
							4,4'-DDT	0.01 ug/mL
							Aldrin	0.01 ug/mL
							alpha-BHC	0.01 ug/mL
							alpha-Chlordane	0.01 ug/mL
							beta-BHC	0.01 ug/mL
							delta-BHC	0.01 ug/mL
							Dieldrin	0.01 ug/mL
							Endosulfan I	0.01 ug/mL
							Endosulfan II	0.01 ug/mL
							Endosulfan sulfate	0.01 ug/mL
							Endrin	0.01 ug/mL
							Endrin aldehyde	0.01 ug/mL
							Endrin ketone	0.01 ug/mL
							gamma-BHC (Lindane)	0.01 ug/mL
							gamma-Chlordane	0.01 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Heptachlor	0.01 ug/mL
							Heptachlor epoxide	0.01 ug/mL
							Methoxychlor	0.01 ug/mL
							DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB3_00004	02/03/13	08/03/12	HEXANE, Lot L08E17	200 mL	SGPESTABST_00003	0.25 mL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
							DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SGPESTABST_00003	03/08/13	03/07/12	HEXANE, Lot K29E03	10 mL	SGPESTAB_00004	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00004	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00004	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00004	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB3_00005	03/07/13	08/03/12	HEXANE, Lot 0000013019	200 mL	SGPESTABST_00004	250 uL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
							DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB4_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	250 uL	4,4'-DDD	0.05 ug/mL
							4,4'-DDE	0.05 ug/mL
							4,4'-DDT	0.05 ug/mL
							Aldrin	0.05 ug/mL
							alpha-BHC	0.05 ug/mL
							alpha-Chlordane	0.05 ug/mL
							beta-BHC	0.05 ug/mL
							delta-BHC	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dieldrin	0.05 ug/mL
							Endosulfan I	0.05 ug/mL
							Endosulfan II	0.05 ug/mL
							Endosulfan sulfate	0.05 ug/mL
							Endrin	0.05 ug/mL
							Endrin aldehyde	0.05 ug/mL
							Endrin ketone	0.05 ug/mL
							gamma-BHC (Lindane)	0.05 ug/mL
							gamma-Chlordane	0.05 ug/mL
							Heptachlor	0.05 ug/mL
							Heptachlor epoxide	0.05 ug/mL
							Methoxychlor	0.05 ug/mL
							DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB5_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	500 uL	4,4'-DDD	0.1 ug/mL
							4,4'-DDE	0.1 ug/mL
							4,4'-DDT	0.1 ug/mL
							Aldrin	0.1 ug/mL
							alpha-BHC	0.1 ug/mL
							alpha-Chlordane	0.1 ug/mL
							beta-BHC	0.1 ug/mL
							delta-BHC	0.1 ug/mL
							Dieldrin	0.1 ug/mL
							Endosulfan I	0.1 ug/mL
							Endosulfan II	0.1 ug/mL
							Endosulfan sulfate	0.1 ug/mL
							Endrin	0.1 ug/mL
							Endrin aldehyde	0.1 ug/mL
							Endrin ketone	0.1 ug/mL
							gamma-BHC (Lindane)	0.1 ug/mL
							gamma-Chlordane	0.1 ug/mL
							Heptachlor	0.1 ug/mL
							Heptachlor epoxide	0.1 ug/mL
							Methoxychlor	0.1 ug/mL
							DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB6_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	1 mL	4,4'-DDD	0.2 ug/mL
							4,4'-DDE	0.2 ug/mL
							4,4'-DDT	0.2 ug/mL
							Aldrin	0.2 ug/mL
							alpha-BHC	0.2 ug/mL
							alpha-Chlordane	0.2 ug/mL
							beta-BHC	0.2 ug/mL
							delta-BHC	0.2 ug/mL
							Dieldrin	0.2 ug/mL
							Endosulfan I	0.2 ug/mL
							Endosulfan II	0.2 ug/mL
							Endosulfan sulfate	0.2 ug/mL
							Endrin	0.2 ug/mL
							Endrin aldehyde	0.2 ug/mL
							Endrin ketone	0.2 ug/mL
							gamma-BHC (Lindane)	0.2 ug/mL
							gamma-Chlordane	0.2 ug/mL
							Heptachlor	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Heptachlor epoxide	0.2 ug/mL
							Methoxychlor	0.2 ug/mL
							DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SGPESTABCV_00010	01/27/13	08/02/12	HEXANE, Lot L08E19	100 mL	SGPESTABIC_00004	250 uL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
.SGPESTABIC_00004	07/27/13	07/27/12	HEXANE, Lot L08E17	100 mL	SGPESTABIV_00007	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..SGPESTABIV_00007	12/31/13	Ultra Scientific, Lot CH-3658			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
SGPESTPEM_00007	01/11/13	07/14/11	HEXANE, Lot K42E19	100 mL	SGPESTPEMS_00006	1 mL	4,4'-DDT	0.1 ug/mL
							alpha-BHC	0.01 ug/mL
							beta-BHC	0.01 ug/mL
							Endrin	0.05 ug/mL
							gamma-BHC (Lindane)	0.01 ug/mL
							Methoxychlor	0.25 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SGPESTPEMS_00006	02/28/14		Restek, Lot A073209		(Purchased Reagent)		4,4'-DDT	10 ug/mL
							alpha-BHC	1 ug/mL
							beta-BHC	1 ug/mL
							Endrin	5 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							Methoxychlor	25 ug/mL
							Tetrachloro-m-xylene	1 ug/mL
SGPESTTOXI_00003	02/02/13	01/10/12	HEXANE, Lot K12E23	100 mL	SGPESTTOX_00011	1 mL	Toxaphene	10 ug/mL
							Toxaphene Peak 1	10 ug/mL
							Toxaphene Peak 2	10 ug/mL
							Toxaphene Peak 3	10 ug/mL
							Toxaphene Peak 4	10 ug/mL
							Toxaphene Peak 5	10 ug/mL
.SGPESTTOX_00011	02/28/14		SUPELCO, Lot LB82082		(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
SGPESTTOXS_00005	04/02/13	04/02/12	HEXANE, Lot K34E37	100 mL	SGPESTTOX_00013	1 mL	Toxaphene	10 ug/mL
							Toxaphene Peak 1	10 ug/mL
							Toxaphene Peak 2	10 ug/mL
							Toxaphene Peak 3	10 ug/mL
							Toxaphene Peak 4	10 ug/mL
							Toxaphene Peak 5	10 ug/mL
.SGPESTTOX_00013	04/02/13		Restek, Lot A080394		(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
SGPESTTOXS_00006	07/27/13	07/31/12	HEXANE, Lot L08E17	100 mL	SGPESTTOX_00012	1 mL	Toxaphene	10 ug/mL
							Toxaphene Peak 1	10 ug/mL
							Toxaphene Peak 2	10 ug/mL
							Toxaphene Peak 3	10 ug/mL
							Toxaphene Peak 4	10 ug/mL
							Toxaphene Peak 5	10 ug/mL
.SGPESTTOX_00012	06/30/15		Restek, Lot A080394		(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
SMDoDSS Ind W_00001	08/31/13	02/16/12	MECL2, Lot K48E14	10 mL	SMDoDSSInd ST_00001	1 mL	1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
.SMDoDSSInd ST_00001	08/31/13	02/16/12	MECL2, Lot K48E14	10 mL	SMDoD IND SS_00001	1 mL	1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzoic acid	200 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMDoD IND SS_00001	08/31/13		Sigma-Aldrich, Lot LB90764		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3,3'-Dichlorobenzidine	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
SMTCL L1 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	2 uL	2,4-Dinitrophenol	0.2 ug/mL
							Benzoic acid	0.2 ug/mL
							Pentachlorophenol	0.2 ug/mL
					SMTCL DPH ST_00003	2 uL	1,4-Dichlorobenzene	0.1 ug/mL
							2,4,5-Trichlorophenol	0.1 ug/mL
							2,4,6-Tribromophenol (Surr)	0.1 ug/mL
							2,4,6-Trichlorophenol	0.1 ug/mL
							2,4-Dichlorophenol	0.1 ug/mL
							2,4-Dimethylphenol	0.1 ug/mL
							2,4-Dinitrophenol	0.2 ug/mL
							2-Chlorophenol	0.1 ug/mL
							2-Fluorophenol (Surr)	0.1 ug/mL
							2-Methylphenol	0.1 ug/mL
							2-Nitrophenol	0.1 ug/mL
							3 & 4 Methylphenol	0.1 ug/mL
							4,6-Dinitro-2-methylphenol	0.1 ug/mL
							4-Chloro-3-methylphenol	0.1 ug/mL
							4-Nitrophenol	0.1 ug/mL
							Benzoic acid	0.2 ug/mL
							Benzyl alcohol	0.1 ug/mL
							Pentachlorophenol	0.2 ug/mL
							Phenol	0.1 ug/mL
							Phenol-d5 (Surr)	0.1 ug/mL
							2-Nitroaniline	0.1 ug/mL
							3,3'-Dichlorobenzidine	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	0.1 ug/mL
							4-Nitroaniline	0.1 ug/mL
							N-Nitrosodi-n-propylamine	0.1 ug/mL
							N-Nitrosodiphenylamine	0.1 ug/mL
							1,1'-Biphenyl	0.1 ug/mL
							1-Methylnaphthalene	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Bis(2-ethylhexyl) phthalate	0.1 ug/mL
							Butyl benzyl phthalate	0.1 ug/mL
							Carbazole	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Di-n-butyl phthalate	0.1 ug/mL
							Di-n-octyl phthalate	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Dibenzofuran	0.1 ug/mL
							Diethyl phthalate	0.1 ug/mL
							Dimethyl phthalate	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Isophorone	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL
							Pyrene	0.1 ug/mL
							1,2,4-Trichlorobenzene	0.1 ug/mL
							1,2-Dichlorobenzene	0.1 ug/mL
							1,3-Dichlorobenzene	0.1 ug/mL
							2,4-Dinitrotoluene	0.1 ug/mL
							2,6-Dinitrotoluene	0.1 ug/mL
							2-Chloronaphthalene	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							4-Bromophenyl phenyl ether	0.1 ug/mL
							4-Chlorophenyl phenyl ether	0.1 ug/mL
							Benzaldehyde	0.1 ug/mL
							Bis(2-chloroethoxy)methane	0.1 ug/mL
							Bis(2-chloroethyl)ether	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Hexachlorobutadiene	0.1 ug/mL
							Hexachlorocyclopentadiene	0.1 ug/mL
							Hexachloroethane	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Anthracene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L2 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	10 uL	2,4-Dinitrophenol	1 ug/mL
							Benzoic acid	1 ug/mL
							Pentachlorophenol	1 ug/mL
					SMTCL DPH ST_00003	10 uL	1,4-Dichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL
							2,3,5,6-Tetrachlorophenol	0.5 ug/mL
							2,4,5-Trichlorophenol	0.5 ug/mL
							2,4,6-Tribromophenol (Surr)	0.5 ug/mL
							2,4,6-Trichlorophenol	0.5 ug/mL
							2,4-Dichlorophenol	0.5 ug/mL
							2,4-Dimethylphenol	0.5 ug/mL
							2,4-Dinitrophenol	1 ug/mL
							2-Chlorophenol	0.5 ug/mL
							2-Fluorophenol (Surr)	0.5 ug/mL
							2-Methylphenol	0.5 ug/mL
							2-Nitrophenol	0.5 ug/mL
							3 & 4 Methylphenol	0.5 ug/mL
							4,6-Dinitro-2-methylphenol	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	0.5 ug/mL
							4-Nitrophenol	0.5 ug/mL
							Benzoic acid	1 ug/mL
							Benzyl alcohol	0.5 ug/mL
							Pentachlorophenol	1 ug/mL
							Phenol	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							2,4-Toluene diamine	0.5 ug/mL
							2-Nitroaniline	0.5 ug/mL
							3,3'-Dichlorobenzidine	0.5 ug/mL
							3,3'-Dimethoxybenzidine	0.5 ug/mL
							3-Nitroaniline	0.5 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							4-Nitroaniline	0.5 ug/mL
							Aniline	0.5 ug/mL
							Atrazine	0.5 ug/mL
							Benzidine	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							N-Nitrosodimethylamine	0.5 ug/mL
							N-Nitrosodiphenylamine	0.5 ug/mL
							Pyridine	0.5 ug/mL
							1,1'-Biphenyl	0.5 ug/mL
							1,2-Diphenylhydrazine	0.5 ug/mL
							1-Methylnaphthalene	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Acetophenone	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Azobenzene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Bis(2-ethylhexyl) phthalate	0.5 ug/mL
							Butyl benzyl phthalate	0.5 ug/mL
							Caprolactam	0.5 ug/mL
							Carbazole	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Di-n-butyl phthalate	0.5 ug/mL
							Di-n-octyl phthalate	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Dibenzofuran	0.5 ug/mL
							Diethyl phthalate	0.5 ug/mL
							Dimethyl phthalate	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methacrylate	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Isophorone	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Phenanthrene	0.5 ug/mL
							Pyrene	0.5 ug/mL
							1,2,3,5-Tetrachlorobenzene	0.5 ug/mL
							1,2,4-Trichlorobenzene	0.5 ug/mL
							1,2-Dichlorobenzene	0.5 ug/mL
							1,2-Dinitrobenzene	0.5 ug/mL
							1,3,5-Trichlorobenzene	0.5 ug/mL
							1,3-Dichlorobenzene	0.5 ug/mL
							2,4-Dinitrotoluene	0.5 ug/mL
							2,6-Dinitrotoluene	0.5 ug/mL
							2-Chloronaphthalene	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL
							3-Chloropropionitrile	0.5 ug/mL
							4-Bromophenyl phenyl ether	0.5 ug/mL
							4-Chlorophenyl phenyl ether	0.5 ug/mL
							Benzaldehyde	0.5 ug/mL
							bis (2-chloroisopropyl) ether	0.5 ug/mL
							Bis(2-chloroethoxy)methane	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachlorocyclopentadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Malononitrile	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L3 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	20 uL	2,4-Dinitrophenol	2 ug/mL
							Benzoic acid	2 ug/mL
							Pentachlorophenol	2 ug/mL
					SMTCL DPH ST_00003	20 uL	1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							2,3,5,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							4,6-Dinitro-2-methylphenol	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Nitrophenol	1 ug/mL
							Benzoic acid	2 ug/mL
							Benzyl alcohol	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenol	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							2,4-Toluene diamine	1 ug/mL
							2-Nitroaniline	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							3,3'-Dimethoxybenzidine	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Nitroaniline	1 ug/mL
							Aniline	1 ug/mL
							Atrazine	1 ug/mL
							Benzidine	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiphenylamine	1 ug/mL
							Pyridine	1 ug/mL
							1,1'-Biphenyl	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Caprolactam	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Ethyl methacrylate	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							Naphthalene	1 ug/mL
							Phenanthrene	1 ug/mL
							Pyrene	1 ug/mL
							1,2,3,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Dinitrobenzene	1 ug/mL
							1,3,5-Trichlorobenzene	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							3-Chloropropionitrile	1 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	1 ug/mL
							bis (2-chloroisopropyl) ether	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Malononitrile	1 ug/mL
							Nitrobenzene	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L4 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	40 uL	2,4-Dinitrophenol	4 ug/mL
							Benzoic acid	4 ug/mL
							Pentachlorophenol	4 ug/mL
					SMTCL DPH ST_00003	40 uL	1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							2,3,5,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	4 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3 & 4 Methylphenol	2 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Nitrophenol	2 ug/mL
							Benzoic acid	4 ug/mL
							Benzyl alcohol	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenol	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							2,4-Toluene diamine	2 ug/mL
							2-Nitroaniline	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							3,3'-Dimethoxybenzidine	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Nitroaniline	2 ug/mL
							Aniline	2 ug/mL
							Atrazine	2 ug/mL
							Benzidine	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							Pyridine	2 ug/mL
							1,1'-Biphenyl	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Caprolactam	2 ug/mL
							Carbazole	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Ethyl methacrylate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							Naphthalene	2 ug/mL
							Phenanthrene	2 ug/mL
							Pyrene	2 ug/mL
							1,2,3,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Dinitrobenzene	2 ug/mL
							1,3,5-Trichlorobenzene	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							3-Chloropropionitrile	2 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							Benzaldehyde	2 ug/mL
							bis (2-chloroisopropyl) ether	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Malononitrile	2 ug/mL
							Nitrobenzene	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14		UltraScientific, Lot CH-1761		(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L5 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	100 uL	2,4-Dinitrophenol	10 ug/mL
							Benzoic acid	10 ug/mL
							Pentachlorophenol	10 ug/mL
					SMTCL DPH ST_00003	100 uL	1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							2,3,5,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Tribromophenol (Surr)	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							4,6-Dinitro-2-methylphenol	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Nitrophenol	5 ug/mL
							Benzoic acid	10 ug/mL
							Benzyl alcohol	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenol	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							2,4-Toluene diamine	5 ug/mL
							2-Nitroaniline	5 ug/mL
							3,3'-Dichlorobenzidine	5 ug/mL
							3,3'-Dimethoxybenzidine	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	5 ug/mL
							4-Nitroaniline	5 ug/mL
							Aniline	5 ug/mL
							Atrazine	5 ug/mL
							Benzidine	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	5 ug/mL
							Pyridine	5 ug/mL
							1,1'-Biphenyl	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Caprolactam	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Ethyl methacrylate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							Naphthalene	5 ug/mL
							Phenanthrene	5 ug/mL
							Pyrene	5 ug/mL
							1,2,3,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Dinitrobenzene	5 ug/mL
							1,3,5-Trichlorobenzene	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							3-Chloropropionitrile	5 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							Benzaldehyde	5 ug/mL
							bis (2-chloroisopropyl) ether	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Malononitrile	5 ug/mL
							Nitrobenzene	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L6 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	200 uL	2,4-Dinitrophenol	20 ug/mL
							Benzoic acid	20 ug/mL
							Pentachlorophenol	20 ug/mL
					SMTCL DPH ST_00003	200 uL	1,4-Dichlorobenzene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	10 ug/mL
							2,3,5,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Nitrophenol	10 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenol	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							2,4-Toluene diamine	10 ug/mL
							2-Nitroaniline	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							3,3'-Dimethoxybenzidine	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Nitroaniline	10 ug/mL
							Aniline	10 ug/mL
							Atrazine	10 ug/mL
							Benzidine	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Pyridine	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Caprolactam	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Ethyl methacrylate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							Naphthalene	10 ug/mL
							Phenanthrene	10 ug/mL
							Pyrene	10 ug/mL
							1,2,3,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Dinitrobenzene	10 ug/mL
							1,3,5-Trichlorobenzene	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							3-Chloropropionitrile	10 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							Benzaldehyde	10 ug/mL
							bis (2-chloroisopropyl) ether	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Malononitrile	10 ug/mL
							Nitrobenzene	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L7 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	300 uL	2,4-Dinitrophenol	30 ug/mL
							Benzoic acid	30 ug/mL
							Pentachlorophenol	30 ug/mL
					SMTCL DPH ST_00003	300 uL	1,4-Dichlorobenzene	15 ug/mL
							1,4-Dioxane	15 ug/mL
							2,3,5,6-Tetrachlorophenol	15 ug/mL
							2,4,5-Trichlorophenol	15 ug/mL
							2,4,6-Tribromophenol (Surr)	15 ug/mL
							2,4,6-Trichlorophenol	15 ug/mL
							2,4-Dichlorophenol	15 ug/mL
							2,4-Dimethylphenol	15 ug/mL
							2,4-Dinitrophenol	30 ug/mL
							2-Chlorophenol	15 ug/mL
							2-Fluorophenol (Surr)	15 ug/mL
							2-Methylphenol	15 ug/mL
							2-Nitrophenol	15 ug/mL
							3 & 4 Methylphenol	15 ug/mL
							4,6-Dinitro-2-methylphenol	15 ug/mL
							4-Chloro-3-methylphenol	15 ug/mL
							4-Nitrophenol	15 ug/mL
							Benzoic acid	30 ug/mL
							Benzyl alcohol	15 ug/mL
							Pentachlorophenol	30 ug/mL
							Phenol	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	15 ug/mL
							2,4-Toluene diamine	15 ug/mL
							2-Nitroaniline	15 ug/mL
							3,3'-Dichlorobenzidine	15 ug/mL
							3,3'-Dimethoxybenzidine	15 ug/mL
							3-Nitroaniline	15 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	15 ug/mL
							4-Chloroaniline	15 ug/mL
							4-Nitroaniline	15 ug/mL
							Aniline	15 ug/mL
							Atrazine	15 ug/mL
							Benzidine	15 ug/mL
							N-Nitrosodi-n-propylamine	15 ug/mL
							N-Nitrosodimethylamine	15 ug/mL
							N-Nitrosodiphenylamine	15 ug/mL
							Pyridine	15 ug/mL
							1,1'-Biphenyl	15 ug/mL
							1,2-Diphenylhydrazine	15 ug/mL
							1-Methylnaphthalene	15 ug/mL
							2-Methylnaphthalene	15 ug/mL
							Acenaphthene	15 ug/mL
							Acenaphthylene	15 ug/mL
							Acetophenone	15 ug/mL
							Anthracene	15 ug/mL
							Azobenzene	15 ug/mL
							Benzo[a]anthracene	15 ug/mL
							Benzo[a]pyrene	15 ug/mL
							Benzo[b]fluoranthene	15 ug/mL
							Benzo[g,h,i]perylene	15 ug/mL
							Benzo[k]fluoranthene	15 ug/mL
							Bis(2-ethylhexyl) phthalate	15 ug/mL
							Butyl benzyl phthalate	15 ug/mL
							Caprolactam	15 ug/mL
							Carbazole	15 ug/mL
							Chrysene	15 ug/mL
							Di-n-butyl phthalate	15 ug/mL
							Di-n-octyl phthalate	15 ug/mL
							Dibenz(a,h)anthracene	15 ug/mL
							Dibenzofuran	15 ug/mL
							Diethyl phthalate	15 ug/mL
							Dimethyl phthalate	15 ug/mL
							Ethyl methacrylate	15 ug/mL
							Fluoranthene	15 ug/mL
							Fluorene	15 ug/mL
							Indeno[1,2,3-cd]pyrene	15 ug/mL
							Isophorone	15 ug/mL
							Naphthalene	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	15 ug/mL
							Pyrene	15 ug/mL
							1,2,3,5-Tetrachlorobenzene	15 ug/mL
							1,2,4-Trichlorobenzene	15 ug/mL
							1,2-Dichlorobenzene	15 ug/mL
							1,2-Dinitrobenzene	15 ug/mL
							1,3,5-Trichlorobenzene	15 ug/mL
							1,3-Dichlorobenzene	15 ug/mL
							2,4-Dinitrotoluene	15 ug/mL
							2,6-Dinitrotoluene	15 ug/mL
							2-Chloronaphthalene	15 ug/mL
							2-Fluorobiphenyl (Surr)	15 ug/mL
							3-Chloropropionitrile	15 ug/mL
							4-Bromophenyl phenyl ether	15 ug/mL
							4-Chlorophenyl phenyl ether	15 ug/mL
							Benzaldehyde	15 ug/mL
							bis (2-chloroisopropyl) ether	15 ug/mL
							Bis(2-chloroethoxy)methane	15 ug/mL
							Bis(2-chloroethyl)ether	15 ug/mL
							Hexachlorobenzene	15 ug/mL
							Hexachlorobutadiene	15 ug/mL
							Hexachlorocyclopentadiene	15 ug/mL
							Hexachloroethane	15 ug/mL
							Malononitrile	15 ug/mL
							Nitrobenzene	15 ug/mL
							Nitrobenzene-d5 (Surr)	15 ug/mL
							Terphenyl-d14 (Surr)	15 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L8 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	400 uL	2,4-Dinitrophenol	40 ug/mL
							Benzoic acid	40 ug/mL
							Pentachlorophenol	40 ug/mL
					SMTCL DPH ST_00003	400 uL	1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenol	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							2,4-Toluene diamine	20 ug/mL
							2-Nitroaniline	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							3,3'-Dimethoxybenzidine	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Nitroaniline	20 ug/mL
							Aniline	20 ug/mL
							Atrazine	20 ug/mL
							Benzidine	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Pyridine	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1-Methylnaphthalene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Caprolactam	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Ethyl methacrylate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
							1,2,3,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Dinitrobenzene	20 ug/mL
							1,3,5-Trichlorobenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							3-Chloropropionitrile	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							Benzaldehyde	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Hexachlorobenzene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Malononitrile	20 ug/mL
							Nitrobenzene	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L9 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	500 uL	2,4-Dinitrophenol	50 ug/mL
							Benzoic acid	50 ug/mL
							Pentachlorophenol	50 ug/mL
					SMTCL DPH ST_00003	500 uL	1,4-Dichlorobenzene	25 ug/mL
							1,4-Dioxane	25 ug/mL
							2,3,5,6-Tetrachlorophenol	25 ug/mL
							2,4,5-Trichlorophenol	25 ug/mL
							2,4,6-Tribromophenol (Surr)	25 ug/mL
							2,4,6-Trichlorophenol	25 ug/mL
							2,4-Dichlorophenol	25 ug/mL
							2,4-Dimethylphenol	25 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2-Chlorophenol	25 ug/mL
							2-Fluorophenol (Surr)	25 ug/mL
							2-Methylphenol	25 ug/mL
							2-Nitrophenol	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	25 ug/mL
							4,6-Dinitro-2-methylphenol	25 ug/mL
							4-Chloro-3-methylphenol	25 ug/mL
							4-Nitrophenol	25 ug/mL
							Benzoic acid	50 ug/mL
							Benzyl alcohol	25 ug/mL
							Pentachlorophenol	50 ug/mL
							Phenol	25 ug/mL
							Phenol-d5 (Surr)	25 ug/mL
							2,4-Toluene diamine	25 ug/mL
							2-Nitroaniline	25 ug/mL
							3,3'-Dichlorobenzidine	25 ug/mL
							3,3'-Dimethoxybenzidine	25 ug/mL
							3-Nitroaniline	25 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	25 ug/mL
							4-Chloroaniline	25 ug/mL
							4-Nitroaniline	25 ug/mL
							Aniline	25 ug/mL
							Atrazine	25 ug/mL
							Benzidine	25 ug/mL
							N-Nitrosodi-n-propylamine	25 ug/mL
							N-Nitrosodimethylamine	25 ug/mL
							N-Nitrosodiphenylamine	25 ug/mL
							Pyridine	25 ug/mL
							1,1'-Biphenyl	25 ug/mL
							1,2-Diphenylhydrazine	25 ug/mL
							1-Methylnaphthalene	25 ug/mL
							2-Methylnaphthalene	25 ug/mL
							Acenaphthene	25 ug/mL
							Acenaphthylene	25 ug/mL
							Acetophenone	25 ug/mL
							Anthracene	25 ug/mL
							Azobenzene	25 ug/mL
							Benzo[a]anthracene	25 ug/mL
							Benzo[a]pyrene	25 ug/mL
							Benzo[b]fluoranthene	25 ug/mL
							Benzo[g,h,i]perylene	25 ug/mL
							Benzo[k]fluoranthene	25 ug/mL
							Bis(2-ethylhexyl) phthalate	25 ug/mL
							Butyl benzyl phthalate	25 ug/mL
							Caprolactam	25 ug/mL
							Carbazole	25 ug/mL
							Chrysene	25 ug/mL
							Di-n-butyl phthalate	25 ug/mL
							Di-n-octyl phthalate	25 ug/mL
							Dibenz(a,h)anthracene	25 ug/mL
							Dibenzofuran	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	25 ug/mL
							Dimethyl phthalate	25 ug/mL
							Ethyl methacrylate	25 ug/mL
							Fluoranthene	25 ug/mL
							Fluorene	25 ug/mL
							Indeno[1,2,3-cd]pyrene	25 ug/mL
							Isophorone	25 ug/mL
							Naphthalene	25 ug/mL
							Phenanthrene	25 ug/mL
							Pyrene	25 ug/mL
							1,2,3,5-Tetrachlorobenzene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dinitrobenzene	25 ug/mL
							1,3,5-Trichlorobenzene	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							2,4-Dinitrotoluene	25 ug/mL
							2,6-Dinitrotoluene	25 ug/mL
							2-Chloronaphthalene	25 ug/mL
							2-Fluorobiphenyl (Surr)	25 ug/mL
							3-Chloropropionitrile	25 ug/mL
							4-Bromophenyl phenyl ether	25 ug/mL
							4-Chlorophenyl phenyl ether	25 ug/mL
							Benzaldehyde	25 ug/mL
							bis (2-chloroisopropyl) ether	25 ug/mL
							Bis(2-chloroethoxy)methane	25 ug/mL
							Bis(2-chloroethyl)ether	25 ug/mL
							Hexachlorobenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							Hexachlorocyclopentadiene	25 ug/mL
							Hexachloroethane	25 ug/mL
							Malononitrile	25 ug/mL
							Nitrobenzene	25 ug/mL
							Nitrobenzene-d5 (Surr)	25 ug/mL
							Terphenyl-d14 (Surr)	25 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
VGGASCAL_00021	11/03/12	08/03/12	MEOH, Lot 117046	50 mL	VGGASDIL_00006	500 uL	C6-C10	100 ug/mL
							C6-C12	100 ug/mL
.VGGASDIL_00006	12/28/12	06/28/12	MEOH, Lot 117046	50 mL	VGGASSTOCK_00013	0.5 g	C6-C10	10000 ug/mL
							C6-C12	10000 ug/mL
..VGGASSTOCK_00013	10/31/13		ULTRA SCIENTIFIC, Lot S-0681W		(Purchased Reagent)		C6-C10	1 g/g
							C6-C12	1 g/g
VGGASCAL_00022	12/28/12	10/31/12	MEOH, Lot 123279	50 mL	VGGASDIL_00006	500 uL	C6-C12	100 ug/mL
.VGGASDIL_00006	12/28/12	06/28/12	MEOH, Lot 117046	50 mL	VGGASSTOCK_00013	0.5 g	C6-C12	10000 ug/mL
..VGGASSTOCK_00013	10/31/13		ULTRA SCIENTIFIC, Lot S-0681W		(Purchased Reagent)		C6-C12	1 g/g
VGGASCHK_00019	10/27/12	07/27/12	MEOH, Lot 115869	50 mL	VGGASCHKSTK_00016	1 mL	C6-C12	100 ug/mL
.VGGASCHKSTK_00016	04/05/15		ACCU STANDARD, Lot B5040009		(Purchased Reagent)		C6-C12	5 mg/mL
VGGASCHK_00025	03/14/13	12/14/12	MEOH, Lot 123279	50 mL	VGGASCHKSTK_00020	1 mL	C6-C12	100 ug/mL
.VGGASCHKSTK_00020	04/05/15		ACCU STANDARD, Lot B5040009		(Purchased Reagent)		C6-C12	5 mg/mL
VGGASURROGATE_00014	12/05/12	06/05/12	MEOH, Lot 51304	50 mL	VGSURRSTKGAS_00012	1.25 mL	Trifluorotoluene (Surr)	50 ug/mL
.VGSURRSTKGAS_00012	07/31/14		ULTRA SCIENTIFIC, Lot CE-1903A		(Purchased Reagent)		Trifluorotoluene (Surr)	2000 ug/mL
VGGASURROGATE_00017	03/12/13	12/12/12	MEOH, Lot 123279	50 mL	VGSURRSTKGAS_00014	1.25 mL	Trifluorotoluene (Surr)	50 ug/mL
.VGSURRSTKGAS_00014	07/31/14		ULTRA SCIENTIFIC, Lot CE-1903A		(Purchased Reagent)		Trifluorotoluene (Surr)	2000 ug/mL
VM250-IS_00013	05/26/13	11/26/12	MEOH, Lot 123279	100 mL	vmcus8126_00007	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
.vmcus8126_00007	09/30/14		Ultra Scientific, Lot CJ-3237		(Purchased Reagent)		1,4-Dichlorobenzene-d4	25000 ug/mL
							Chlorobenzene-d5	25000 ug/mL
							Fluorobenzene	25000 ug/mL
VM50IS_00023	01/22/13	10/22/12	MEOH, Lot 123279	50 mL	VMSTM520_00016	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.VMSTM520_00016	12/31/14		Ultra Scientific, Lot CH-3660		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50ss_00090	12/21/12	12/14/12	MEOH, Lot na	2 mL	vm50ss_stk_00044	2 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00044	03/04/13	12/04/12	MEOH, Lot 123279	50 mL	VMstm530_00016	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VMstm530_00016	05/31/15		Ultra Scientific, Lot CJ-1280		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_stk_00043	02/12/13	11/12/12	MEOH, Lot 123279	50 mL	VMstm530_00016	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VMstm530_00016	05/31/15	Ultra Scientific, Lot CJ-1280			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMCGAS_00099	12/11/12	12/04/12	MEOH, Lot 123279	10 mL	VMDWM544_00011	0.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00011	04/30/15	ULTRA, Lot CJ-0858			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMCGAS_00100	12/17/12	12/10/12	MEOH, Lot 123279	10 mL	VMDWM544_00011	0.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00011	04/30/15	ULTRA, Lot CJ-0858			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMCGAS_00101	12/21/12	12/14/12	MEOH, Lot 123279	10 mL	VMDWM544_00011	0.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00011	04/30/15	ULTRA, Lot CJ-0858			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMFASWS_00120	12/11/12	12/04/12	MEOH, Lot na	3 mL	VMFAS_00033	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00033	12/20/12	11/20/12	MEOH, Lot 123279	100 mL	VM48799U_00012	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00017	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00012	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00017	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMFASWS_00121	12/17/12	12/10/12	MEOH, Lot na	3 mL	VMFAS_00033	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00033	12/20/12	11/20/12	MEOH, Lot 123279	100 mL	VM48799U_00012	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00017	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00012	06/30/13	Supelco, Lot LB91213			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00017	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMFASWS_00122	12/20/12	12/14/12	MEOH, Lot na	3 mL	VMFAS_00033	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00033	12/20/12	11/20/12	MEOH, Lot 123279	100 mL	VM48799U_00012	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00017	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00012	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00017	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMPRIMARY_00153	12/11/12	12/04/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14		Ultra Scientific, Lot CJ-0210		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMPRIMARY_00154	12/17/12	12/10/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14	Ultra Scientific, Lot CJ-0210			(Purchased Reagent)		1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMPRIMARY_00155	12/21/12	12/14/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14		Ultra Scientific, Lot CJ-0210		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMSUPPW_00103	12/11/12	12/04/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							Vinyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VMCU5013_00008	1 mL	Vinyl acetate	50 ug/mL
					VMCUS8634_00007	1 mL	Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
					VMEPA1016_00003	1 mL	2-Chloroethyl vinyl ether	100 ug/mL
..VM30006_00004	11/30/13	Restek, Lot A076449			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
..VMCU5013_00008	01/31/13	Ultra, Lot CJ-3443			(Purchased Reagent)		Vinyl acetate	2500 ug/mL
..VMCUS8634_00007	01/31/13	Ultra, Lot CJ-3453			(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Acrolein	25000 ug/mL
							Acrylonitrile	5000 ug/mL
..VMEPA1016_00003	04/30/13	Ultra, Lot CG-0850			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
VMSUPPW_00104	12/17/12	12/10/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
..VM30006_00004	11/30/13	Restek, Lot A076449			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
VMSUPPW_00105	12/21/12	12/14/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							Vinyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VMCU5013_00008	1 mL	Vinyl acetate	50 ug/mL
					VMCUS8634_00007	1 mL	Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
					VMEPA1016_00003	1 mL	2-Chloroethyl vinyl ether	100 ug/mL
..VM30006_00004	11/30/13	Restek, Lot A076449			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
..VMCU5013_00008	01/31/13	Ultra, Lot CJ-3443			(Purchased Reagent)		Vinyl acetate	2500 ug/mL
..VMCUS8634_00007	01/31/13	Ultra, Lot CJ-3453			(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Acrolein	25000 ug/mL
							Acrylonitrile	5000 ug/mL
..VMEPA1016_00003	04/30/13	Ultra, Lot CG-0850			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
VMUX8SS_00008	06/11/13	12/11/12	MEOH, Lot 123279	100 mL	VMCUS8125_00005	866 uL	1,2-Dichloroethane-d4 (Surr)	216.5 ug/mL
							4-Bromofluorobenzene (Surr)	216.5 ug/mL
							Dibromofluoromethane (Surr)	216.5 ug/mL
							Toluene-d8 (Surr)	216.5 ug/mL
.VMCUS8125_00005	10/31/14	Ultra Scientific, Lot CG-3334			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	25000 ug/mL
							4-Bromofluorobenzene (Surr)	25000 ug/mL
							Dibromofluoromethane (Surr)	25000 ug/mL
							Toluene-d8 (Surr)	25000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
CANMS2_00001	07/10/13	High Purity Standards, Lot 1218529			(Purchased Reagent)		Aluminum	1000 ug/mL
							Calcium	1000 ug/mL
							Iron	1000 ug/mL
							Magnesium	1000 ug/mL
							Potassium	1000 ug/mL
							Sodium	1000 ug/mL
CANMSA_High_00001	09/11/13	High Purity Standards, Lot 1225405			(Purchased Reagent)		Arsenic	100 ug/mL
							Barium	100 ug/mL
							Beryllium	100 ug/mL
							Cadmium	100 ug/mL
							Chromium	100 ug/mL
							Cobalt	100 ug/mL
							Copper	100 ug/mL
							Lead	100 ug/mL
							Manganese	100 ug/mL
							Nickel	100 ug/mL
							Selenium	100 ug/mL
							Sr	100 ug/mL
							Thallium	25 ug/mL
							Vanadium	100 ug/mL
							Zinc	100 ug/mL
CANMSB_High_00001	09/11/13	High Purity Standards, Lot 1225412			(Purchased Reagent)		Antimony	10 ug/mL
							B	10 ug/mL
							Mo	10 ug/mL
							Silver	10 ug/mL
							Sn	10 ug/mL
							Ti	10 ug/mL
MCCV1X_00031	01/06/13	12/06/12	DI Water, Lot K35N55	500 mL	MCALSPECAREV_00003	10 mL	Aluminum	0.5 ppm
							Arsenic	0.1 ppm
							Barium	0.1 ppm
							Beryllium	0.1 ppm
							Cadmium	0.1 ppm
							Calcium	50 ppm
							Chromium	0.1 ppm
							Cobalt	0.1 ppm
							Copper	0.1 ppm
							Iron	25 ppm
							Lead	0.1 ppm
							Magnesium	50 ppm
							Manganese	0.5 ppm
							Nickel	0.1 ppm
							Potassium	50 ppm
							Selenium	0.1 ppm
							Silver	0.1 ppm
							Sodium	50 ppm
							Thallium	0.1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vanadium	0.1 ppm
							Zinc	0.1 ppm
					MCALSPECB_00004	10 mL	Antimony	0.1 ppm
.MCALSPECAREV_00003	04/01/13	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Aluminum	25 ppm
							Arsenic	5 ppm
							Barium	5 ppm
							Beryllium	5 ppm
							Cadmium	5 ppm
							Calcium	2500 ppm
							Chromium	5 ppm
							Cobalt	5 ppm
							Copper	5 ppm
							Iron	1250 ppm
							Lead	5 ppm
							Magnesium	2500 ppm
							Manganese	25 ppm
							Nickel	5 ppm
							Potassium	2500 ppm
							Selenium	5 ppm
							Silver	5 ppm
							Sodium	2500 ppm
							Thallium	5 ppm
							Vanadium	5 ppm
							Zinc	5 ppm
.MCALSPECB_00004	04/01/13	Inorganic Ventures, Lot F2-MEB415032			(Purchased Reagent)		Antimony	5 ppm
MCRIX_00024	03/08/13	12/08/12	HNO3, Lot K09N65	250 mL	MMSCRI-1B_00002	1 mL	Aluminum	0.03 ppm
							Arsenic	0.001 ppm
							Barium	0.01 ppm
							Beryllium	0.001 ppm
							Cadmium	0.001 ppm
							Calcium	0.1 ppm
							Chromium	0.002 ppm
							Cobalt	0.0005 ppm
							Copper	0.002 ppm
							Iron	0.05 ppm
							Lead	0.001 ppm
							Magnesium	0.1 ppm
							Manganese	0.005 ppm
							Nickel	0.001 ppm
							Potassium	0.1 ppm
							Selenium	0.005 ppm
							Silver	0.001 ppm
							Sodium	0.1 ppm
							Thallium	0.001 ppm
							Vanadium	0.001 ppm
							Zinc	0.005 ppm
					MMSCRI-2_00004	1 mL	Antimony	0.002 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MMSCRI-1B_00002	10/01/13	Inorganic Ventures, Lot F2-MEB439152			(Purchased Reagent)		Aluminum	7.5 ppm
							Arsenic	0.25 ppm
							Barium	2.5 ppm
							Beryllium	0.25 ppm
							Cadmium	0.25 ppm
							Calcium	25 ppm
							Chromium	0.5 ppm
							Cobalt	0.125 ppm
							Copper	0.5 ppm
							Iron	12.5 ppm
							Lead	0.25 ppm
							Magnesium	25 ppm
							Manganese	1.25 ppm
							Nickel	0.25 ppm
							Potassium	25 ppm
							Selenium	1.25 ppm
							Silver	0.25 ppm
							Sodium	25 ppm
							Thallium	0.25 ppm
							Vanadium	0.25 ppm
							Zinc	1.25 ppm
.MMSCRI-2_00004	10/01/13	Inorganic Ventures, Lot F2-MEB436153			(Purchased Reagent)		Antimony	0.5 ppm
MICPMSICV_00012	12/30/12	12/03/12	2% Nitric Acid, Lot K09N65	250 mg/L	MICPMSICV_00005	10 mg/L	Aluminum	0.4 mg/L
							Antimony	0.08 mg/L
							Arsenic	0.08 mg/L
							Barium	0.08 mg/L
							Beryllium	0.08 mg/L
							Cadmium	0.08 mg/L
							Calcium	40 mg/L
							Chromium	0.08 mg/L
							Cobalt	0.08 mg/L
							Copper	0.08 mg/L
							Iron	20 mg/L
							Lead	0.08 mg/L
							Magnesium	40 mg/L
							Manganese	0.4 mg/L
							Nickel	0.08 mg/L
							Potassium	40 mg/L
							Selenium	0.08 mg/L
							Silver	0.08 mg/L
							Sodium	40 mg/L
							Thallium	0.08 mg/L
							Vanadium	0.08 mg/L
							Zinc	0.08 mg/L
.MICPMSICV_00005	12/30/12	SPEX CertiPrep, Lot 26-209JB			(Purchased Reagent)		Aluminum	10 ppm
							Antimony	2 ppm
							Arsenic	2 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Barium	2 ppm
							Beryllium	2 ppm
							Cadmium	2 ppm
							Calcium	1000 ppm
							Chromium	2 ppm
							Cobalt	2 ppm
							Copper	2 ppm
							Iron	500 ppm
							Lead	2 ppm
							Magnesium	1000 ppm
							Manganese	10 ppm
							Nickel	2 ppm
							Potassium	1000 ppm
							Selenium	2 ppm
							Silver	2 ppm
							Sodium	1000 ppm
							Thallium	2 ppm
							Vanadium	2 ppm
							Zinc	2 ppm
MICSABX_00026	03/08/13	12/08/12	DI Water, Lot J38N82	100 mL	M6020ICS-0A_00003	10 mL	Aluminum	100 ppm
							Calcium	100 ppm
							Iron	100 ppm
							Magnesium	100 ppm
							Mo	2 ppm
							Potassium	100 ppm
							Sodium	100 ppm
							Ti	2 ppm
					M6020ICS-0B_00004	1 mL	Arsenic	0.02 ppm
							Cadmium	0.02 ppm
							Chromium	0.02 ppm
							Cobalt	0.02 ppm
							Copper	0.02 ppm
							Manganese	0.0225 ppm
							Nickel	0.02 ppm
							Silver	0.02 ppm
							Zinc	0.025 ppm
					MMSICSAB-1_00004	0.2 mL	Barium	0.02 ppm
							Beryllium	0.02 ppm
							Lead	0.02 ppm
							Sr	0.02 ppm
							Thallium	0.02 ppm
							Vanadium	0.02 ppm
					MMSICSAB-2_00004	0.2 mL	Antimony	0.02 ppm
							B	0.05 ppm
							Selenium	0.05 ppm
							Si	0.5 ppm
							Sn	0.1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.M6020ICS-0A_00003	11/01/13	Inorganic Ventures, Lot F2-MEB418129			(Purchased Reagent)		Aluminum	1000 ppm
							Calcium	1000 ppm
							Iron	1000 ppm
							Magnesium	1000 ppm
							Mo	20 ppm
							Potassium	1000 ppm
							Sodium	1000 ppm
							Ti	20 ppm
.M6020ICS-0B_00004	11/01/13	Inorganic Ventures, Lot F2-MEB415126			(Purchased Reagent)		Arsenic	2 ppm
							Cadmium	2 ppm
							Chromium	2 ppm
							Cobalt	2 ppm
							Copper	2 ppm
							Manganese	2.25 ppm
							Nickel	2 ppm
							Silver	2 ppm
							Zinc	2.5 ppm
.MMSICSAB-1_00004	04/01/13	Inorganic Ventures, Lot F2-MEB415033			(Purchased Reagent)		Barium	10 ppm
							Beryllium	10 ppm
							Lead	10 ppm
							Sr	10 ppm
							Thallium	10 ppm
							Vanadium	10 ppm
.MMSICSAB-2_00004	04/01/13	Inorganic Ventures, Lot F2-MEB361116			(Purchased Reagent)		Antimony	10 ppm
							B	25 ppm
							Selenium	25 ppm
							Si	250 ppm
							Sn	50 ppm
MICSAX_00023	03/08/13	12/08/12	DI Water, Lot J38N82	100 mL	M6020ICS-0A_00003	10 mL	Aluminum	100 ppm
							Calcium	100 ppm
							Iron	100 ppm
							Magnesium	100 ppm
							Mo	2 ppm
							Potassium	100 ppm
							Sodium	100 ppm
							Ti	2 ppm
.M6020ICS-0A_00003	11/01/13	Inorganic Ventures, Lot F2-MEB418129			(Purchased Reagent)		Aluminum	1000 ppm
							Calcium	1000 ppm
							Iron	1000 ppm
							Magnesium	1000 ppm
							Mo	20 ppm
							Potassium	1000 ppm
							Sodium	1000 ppm
							Ti	20 ppm
MSTD2X_00015	02/18/13	11/18/12	DI Water, Lot K35N55	250 mL	MCALSPECAREV_00003	10 mL	Aluminum	1 ppm
							Arsenic	0.2 ppm
							Barium	0.2 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Beryllium	0.2 ppm
							Cadmium	0.2 ppm
							Calcium	100 ppm
							Chromium	0.2 ppm
							Cobalt	0.2 ppm
							Copper	0.2 ppm
							Iron	50 ppm
							Lead	0.2 ppm
							Magnesium	100 ppm
							Manganese	1 ppm
							Nickel	0.2 ppm
							Potassium	100 ppm
							Selenium	0.2 ppm
							Silver	0.2 ppm
							Sodium	100 ppm
							Thallium	0.2 ppm
							Vanadium	0.2 ppm
							Zinc	0.2 ppm
.MCALSPECAREV_00003	04/01/13	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Aluminum	25 ppm
							Arsenic	5 ppm
							Barium	5 ppm
							Beryllium	5 ppm
							Cadmium	5 ppm
							Calcium	2500 ppm
							Chromium	5 ppm
							Cobalt	5 ppm
							Copper	5 ppm
							Iron	1250 ppm
							Lead	5 ppm
							Magnesium	2500 ppm
							Manganese	25 ppm
							Nickel	5 ppm
							Potassium	2500 ppm
							Selenium	5 ppm
							Silver	5 ppm
							Sodium	2500 ppm
							Thallium	5 ppm
							Vanadium	5 ppm
							Zinc	5 ppm
MSTD3X_00016	02/18/13	11/18/12	DI Water, Lot K35N55	250 mL	MCALSPECB_00004	10 mL	Antimony	0.2 ppm
.MCALSPECB_00004	04/01/13	Inorganic Ventures, Lot F2-MEB415032			(Purchased Reagent)		Antimony	5 ppm
MTAPITTICPMS_00010	11/01/13	INORGANIC VENTURES, Lot F2-MEB410066			(Purchased Reagent)		Aluminum	200 ug/mL
							Arsenic	4 ug/mL
							B	100 ug/mL
							Barium	200 ug/mL
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	20 ug/mL
							Cobalt	50 ug/mL
							Copper	25 ug/mL
							Iron	100 ug/mL
							Lead	2 ug/mL
							Manganese	50 ug/mL
							Nickel	50 ug/mL
							Selenium	1 ug/mL
							Silver	5 ug/mL
							Sr	100 ug/mL
							Thallium	5 ug/mL
							Vanadium	50 ug/mL
							Zinc	50 ug/mL
MTAPITTMSA_00012	01/01/14	INORGANIC VENTURES, Lot F2-MEB440138			(Purchased Reagent)		Calcium	5000 ug/mL
							Magnesium	5000 ug/mL
							Potassium	5000 ug/mL
							Sodium	5000 ug/mL
MTAPITTMSC_00016	01/01/14	Inorganic Ventures, Lot F2-MEB427091			(Purchased Reagent)		Antimony	50 ug/mL
							Mo	100 ug/mL
							Si	1000 ug/mL
							SiO2	2140 ug/mL
							Sn	200 ug/mL
							Ti	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
.HP8330SU_00008	05/15/13	Restek, Lot A087054			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
HP8330IC_00005	10/19/12	06/13/12	25% 0.1%HOAc in ACN, Lot 4457-41A	10 mL	HP8330TA_00007	25 uL	1,3,5-Trinitrobenzene	500 ng/mL
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							2-Nitrotoluene	500 ng/mL
							3-Nitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							4-Nitrotoluene	500 ng/mL
							HMX	500 ng/mL
							Nitrobenzene	500 ng/mL
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPNGTA_00011	5 uL	Nitroglycerin	500 ng/mL
					HPPETNTA_00006	5 uL	PETN	500 ng/mL
.HP8330TA_00007	10/30/12	Cerilliant, Lot ER083011-01			(Purchased Reagent)		1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							2,4,6-Trinitrotoluene	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Amino-4,6-dinitrotoluene	200 ug/mL
							2-Nitrotoluene	200 ug/mL
							3-Nitrotoluene	200 ug/mL
							4-Amino-2,6-dinitrotoluene	200 ug/mL
							4-Nitrotoluene	200 ug/mL
							HMX	200 ug/mL
							Nitrobenzene	200 ug/mL
							RDX	200 ug/mL
							Tetryl	200 ug/mL
.HPNGTA_00011	10/31/12	Cerilliant, Lot FN052106-01			(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNTA_00006	10/30/12	Cerilliant, Lot FN102810-02			(Purchased Reagent)		PETN	1000 ug/mL
HP8330ICL_00002	12/07/12	07/27/12	25:75 HOAc/ACN, Lot 4457-41E	50 mL	HP34DNTSU_00004	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00006	5 uL	1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
					HPNGSP_00004	20 uL	Nitroglycerin	20 ng/mL
					HPPETNSP_00003	20 uL	PETN	20 ng/mL
.HP34DNTSU_00004	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00004	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00004	12/07/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HP8330SP_00005	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330SP_00005	12/11/12		Restek, Lot A078069		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330ICL_00003	05/11/13	12/11/12	25:75 HOAc/ACN, Lot 4457-69F	50 mL	HP34DNTSU_00008	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00011	5 uL	1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
					HPNGPETNSP_00001	20 uL	Nitroglycerin	20 ng/mL
							PETN	20 ng/mL
.HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00008	05/15/13		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HPPETNTA_00010	11/30/16	Restek, Lot A085138			(Purchased Reagent)		PETN	1000 ug/mL
HP8330L1_00004	12/07/12	08/29/12	25% 1%HoAC in ACN 75, Lot 4457-51G	50 mL	HP8330L4_00003	5 mL	3,4-Dinitrotoluene	5 ng/mL
							3,5-Dinitroaniline	5 ng/mL
							1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
							Ethylene glycol dinitrate	5 ng/mL
							Nitroglycerin	5 ng/mL
							2,4,6-Trinitrophenol	10 ng/mL
							PETN	5 ng/mL
.HP8330L4_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00008	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNSP_00003	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGSP_00004	50 uL	Nitroglycerin	50 ng/mL
					HPPASP_00006	100 uL	2,4,6-Trinitrophenol	100 ng/mL
					HPPETNSP_00003	50 uL	PETN	50 ng/mL
..HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
...HP8330SU_00006	01/27/13	Restek, Lot A082463			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
..HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
...HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
...HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
..HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
...HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
..HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
...HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
...HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
..HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
...HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L2_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	10 uL	3,4-Dinitrotoluene	10 ng/mL
					HP8330SP_00008	10 uL	3,5-Dinitroaniline	10 ng/mL
							1,3,5-Trinitrobenzene	10 ng/mL
							1,3-Dinitrobenzene	10 ng/mL
							2,4,6-Trinitrotoluene	10 ng/mL
							2,4-Dinitrotoluene	10 ng/mL
							2,6-Dinitrotoluene	10 ng/mL
							2-Amino-4,6-dinitrotoluene	10 ng/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrotoluene	10 ng/mL
							3-Nitrotoluene	10 ng/mL
							4-Amino-2,6-dinitrotoluene	10 ng/mL
							4-Nitrotoluene	10 ng/mL
							HMX	10 ng/mL
							Nitrobenzene	10 ng/mL
							RDX	10 ng/mL
							Tetryl	10 ng/mL
					HPEGDNSP_00003	10 uL	Ethylene glycol dinitrate	10 ng/mL
					HPNGSP_00004	10 uL	Nitroglycerin	10 ng/mL
					HPPASP_00006	20 uL	2,4,6-Trinitrophenol	20 ng/mL
					HPPETNSP_00003	10 uL	PETN	10 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L3_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00008	20 uL	3,5-Dinitroaniline	20 ng/mL
							1,3,5-Trinitrobenzene	20 ng/mL
							1,3-Dinitrobenzene	20 ng/mL
							2,4,6-Trinitrotoluene	20 ng/mL
							2,4-Dinitrotoluene	20 ng/mL
							2,6-Dinitrotoluene	20 ng/mL
							2-Amino-4,6-dinitrotoluene	20 ng/mL
							2-Nitrotoluene	20 ng/mL
							3-Nitrotoluene	20 ng/mL
							4-Amino-2,6-dinitrotoluene	20 ng/mL
							4-Nitrotoluene	20 ng/mL
							HMX	20 ng/mL
							Nitrobenzene	20 ng/mL
							RDX	20 ng/mL
							Tetryl	20 ng/mL
					HPEGDNSP_00003	20 uL	Ethylene glycol dinitrate	20 ng/mL
					HPNGSP_00004	20 uL	Nitroglycerin	20 ng/mL
					HPPASP_00006	50 uL	2,4,6-Trinitrophenol	50 ng/mL
					HPPETNSP_00003	20 uL	PETN	20 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L4_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00008	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNSP_00003	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGSP_00004	50 uL	Nitroglycerin	50 ng/mL
					HPPASP_00006	100 uL	2,4,6-Trinitrophenol	100 ng/mL
					HPPETNSP_00003	50 uL	PETN	50 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L5_00004	12/07/12	08/29/12	25% 1%HoAC in ACN 75, Lot 4457-17F	200 mL	HP34DNTSU_00005	400 uL	3,4-Dinitrotoluene	100 ng/mL
					HP8330SP_00008	400 uL	3,5-Dinitroaniline	100 ng/mL
							1,3,5-Trinitrobenzene	100 ng/mL
							1,3-Dinitrobenzene	100 ng/mL
							2,4,6-Trinitrotoluene	100 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	100 ng/mL
							2,6-Dinitrotoluene	100 ng/mL
							2-Amino-4,6-dinitrotoluene	100 ng/mL
							2-Nitrotoluene	100 ng/mL
							3-Nitrotoluene	100 ng/mL
							4-Amino-2,6-dinitrotoluene	100 ng/mL
							4-Nitrotoluene	100 ng/mL
							HMX	100 ng/mL
							Nitrobenzene	100 ng/mL
							RDX	100 ng/mL
							Tetryl	100 ng/mL
					HPEGDNSP_00003	400 uL	Ethylene glycol dinitrate	100 ng/mL
					HPNGSP_00004	400 uL	Nitroglycerin	100 ng/mL
					HPPASP_00006	800 uL	2,4,6-Trinitrophenol	200 ng/mL
					HPPETNSP_00003	400 uL	PETN	100 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13	Restek, Lot A082463			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16	Restek, Lot A085338			(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15	Restek, Lot A084334			(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L5_00006	02/28/13	12/05/12	25% 1%HoAC in ACN 75, Lot 4457-63F	100 mL	HP34DNTSU_00008	200 uL	3,4-Dinitrotoluene	100 ng/mL
					HP8330SP_00011	200 uL	1,3,5-Trinitrobenzene	100 ng/mL
							1,3-Dinitrobenzene	100 ng/mL
							2,4,6-Trinitrotoluene	100 ng/mL
							2,4-Dinitrotoluene	100 ng/mL
							2,6-Dinitrotoluene	100 ng/mL
							2-Amino-4,6-dinitrotoluene	100 ng/mL
							2-Nitrotoluene	100 ng/mL
							3-Nitrotoluene	100 ng/mL
							4-Amino-2,6-dinitrotoluene	100 ng/mL
							4-Nitrotoluene	100 ng/mL
							HMX	100 ng/mL
							Nitrobenzene	100 ng/mL
							RDX	100 ng/mL
							Tetryl	100 ng/mL
					HPNGSP_00007	200 uL	Nitroglycerin	100 ng/mL
					HPPETNSP_00005	200 uL	PETN	100 ng/mL
.HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00008	05/15/13		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGSP_00007	03/06/13	09/05/12	Methanol, Lot K18E18	50 mL	HPNGTA_00003	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00003	03/06/13		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNSP_00005	03/05/13	09/05/12	Methanol, Lot K41815	50 mL	HPPETNTA_00009	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00009	03/05/13		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L6_00004	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	100 mL	HP34DNTSU_00005	400 uL	3,4-Dinitrotoluene	200 ng/mL
					HP8330SP_00008	400 uL	3,5-Dinitroaniline	200 ng/mL
							1,3,5-Trinitrobenzene	200 ng/mL
							1,3-Dinitrobenzene	200 ng/mL
							2,4,6-Trinitrotoluene	200 ng/mL
							2,4-Dinitrotoluene	200 ng/mL
							2,6-Dinitrotoluene	200 ng/mL
							2-Amino-4,6-dinitrotoluene	200 ng/mL
							2-Nitrotoluene	200 ng/mL
							3-Nitrotoluene	200 ng/mL
							4-Amino-2,6-dinitrotoluene	200 ng/mL
							4-Nitrotoluene	200 ng/mL
							HMX	200 ng/mL
							Nitrobenzene	200 ng/mL
							RDX	200 ng/mL
							Tetryl	200 ng/mL
					HPEGDNSP_00003	400 uL	Ethylene glycol dinitrate	200 ng/mL
					HPNGSP_00004	400 uL	Nitroglycerin	200 ng/mL
					HPPASP_00006	1000 uL	2,4,6-Trinitrophenol	500 ng/mL
					HPPETNSP_00003	400 uL	PETN	200 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L7_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	25 mL	HP34DNTSU_00005	150 uL	3,4-Dinitrotoluene	300 ng/mL
					HP8330SP_00008	250 uL	3,5-Dinitroaniline	500 ng/mL
							1,3,5-Trinitrobenzene	500 ng/mL
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							2-Nitrotoluene	500 ng/mL
							3-Nitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							4-Nitrotoluene	500 ng/mL
							HMX	500 ng/mL
							Nitrobenzene	500 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPEGDNSP_00003	250 uL	Ethylene glycol dinitrate	500 ng/mL
					HPNGSP_00004	250 uL	Nitroglycerin	500 ng/mL
					HPPASP_00006	500 uL	2,4,6-Trinitrophenol	1000 ng/mL
					HPPETNSP_00003	250 uL	PETN	500 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L8_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	25 mL	HP34DNTSU_00005	250 uL	3,4-Dinitrotoluene	500 ng/mL
					HP8330SP_00008	500 uL	3,5-Dinitroaniline	1000 ng/mL
							1,3,5-Trinitrobenzene	1000 ng/mL
							1,3-Dinitrobenzene	1000 ng/mL
							2,4,6-Trinitrotoluene	1000 ng/mL
							2,4-Dinitrotoluene	1000 ng/mL
							2,6-Dinitrotoluene	1000 ng/mL
							2-Amino-4,6-dinitrotoluene	1000 ng/mL
							2-Nitrotoluene	1000 ng/mL
							3-Nitrotoluene	1000 ng/mL
							4-Amino-2,6-dinitrotoluene	1000 ng/mL
							4-Nitrotoluene	1000 ng/mL
							HMX	1000 ng/mL
							Nitrobenzene	1000 ng/mL
							RDX	1000 ng/mL
							Tetryl	1000 ng/mL
					HPEGDNSP_00003	500 uL	Ethylene glycol dinitrate	1000 ng/mL
					HPNGSP_00004	500 uL	Nitroglycerin	1000 ng/mL
					HPPASP_00006	1 mL	2,4,6-Trinitrophenol	2000 ng/mL
					HPPETNSP_00003	500 uL	PETN	1000 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
.HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
.HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetryl	1000 ug/mL
HPNCSP_00007	04/05/13	11/05/12	Acetone, Lot Acetone_00004	200 mL	HPNCTA_00001	0.102 g	Nitrocellulose	510 ug/mL
.HPNCTA_00001	03/19/17	Theater Affects, Lot 031912			(Purchased Reagent)		Nitrocellulose	1 g/g
HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
.HPNGTA_00012	05/30/16	Restek, Lot A082035			(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNTA_00010	11/30/16	Restek, Lot A085138			(Purchased Reagent)		PETN	1000 ug/mL
HPNQ2xMDL_00002	04/15/13	10/16/12	DI Water, Lot M10152012	4 mL	HPNQL2_00003	1 mL	Nitroguanidine	5 ng/mL
.HPNQL2_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	20 uL	Nitroguanidine	20 ng/mL
..HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
...HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQIC_00003	06/26/13	12/26/12	Water, Lot NA	50 mL	HPNQTA_00010	100 uL	Nitroguanidine	200 ng/mL
.HPNQTA_00010	06/26/13	AccuStandard, Inc, Lot 211111014			(Purchased Reagent)		Nitroguanidine	100 ug/mL
HPNQL2_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	20 uL	Nitroguanidine	20 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL3_00003	04/15/13	10/12/12	Water, Lot M10152012	50 mL	HPNQSP_00006	50 uL	Nitroguanidine	50 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL4_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	100 uL	Nitroguanidine	100 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL5_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	200 uL	Nitroguanidine	200 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL6_00003	04/15/13	10/16/12	Water, Lot M10152012	25 mL	HPNQSP_00006	250 uL	Nitroguanidine	500 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL7_00003	04/15/13	10/16/12	Water, Lot M10152012	25 mL	HPNQSP_00006	500 uL	Nitroguanidine	1000 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
.HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
WC-353.2-ICV_00015	01/17/13	12/17/12	DI Water, Lot xxxx	100 mL	WC-N02-1000_00016	0.05 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	8.403 mg/L as N
					WC-N03-1000_00006	0.05 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	8.403 mg/L as N
.WC-N02-1000_00016	08/14/13	CPI International, Lot 12B200			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrocellulose	8403 mg/L as N
.WC-N03-1000_00006	08/14/13		RICCA, Lot 1204143		(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8403 mg/L as N
WC-353.2-L1_00014	01/17/13	12/17/12	DI Water, Lot xxxx	100 mL	WC-353.2-INT_00011	0.05 mL	Nitrocellulose	0.42015 mg/L as N
.WC-353.2-INT_00011	01/17/13	12/17/12	DI Water, Lot xxxxxxx	10 mL	WC-N02-1000_00017	0.5 mL	Nitrocellulose	840.3 mg/L as N
					WC-N03-1000_00007	0.5 mL	Nitrocellulose	840.3 mg/L as N
..WC-N02-1000_00017	11/09/13		ERA, Lot 210912		(Purchased Reagent)		Nitrocellulose	8403 mg/L as N
..WC-N03-1000_00007	04/19/13		ERA, Lot 2040212		(Purchased Reagent)		Nitrocellulose	8403 mg/L as N
WC-353.2-L4_00010	01/17/13	12/17/12	DI Water, Lot xxxx	100 mL	WC-353.2-INT_00011	1 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	8.403 mg/L as N
.WC-353.2-INT_00011	01/17/13	12/17/12	DI Water, Lot xxxxxxx	10 mL	WC-N02-1000_00017	0.5 mL	Nitrate Nitrite as N	100 mg/L as N
							Nitrocellulose	840.3 mg/L as N
					WC-N03-1000_00007	0.5 mL	Nitrate Nitrite as N	100 mg/L as N
							Nitrocellulose	840.3 mg/L as N
..WC-N02-1000_00017	11/09/13		ERA, Lot 210912		(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8403 mg/L as N
..WC-N03-1000_00007	04/19/13		ERA, Lot 2040212		(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8403 mg/L as N

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Charleston, SC 29423
Phone (843) 767-7900
Fax (843) 767-7906

Certificate of Analysis

rec'd SG 8-24-12

Product Description:

Name:	Mercury	Source Material:	Mercury Metal
Part Number:	**10 33-1**	Material Purity:	99.9998%
Lot Number:	**1221902**	Matrix:	5% (v/v) HNO_3

Certified Value: 10.0 µg/mL ± 0.1 µg/mL

The Certified value is based on gravimetric and volumetric preparation, and confirmed against SRM 3133 (lot number 061204) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Preparation Information:

The standard solution is prepared using high purity materials and assayed by analytical methods for conformity prior to use. This standard was prepared using the methods developed at NIST for SRM Spectrometric Standard Solutions under appropriate laboratory conditions.

Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 mega ohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards:**
The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: August 6, 2012
Shipped Date: AUG 2 0 2012
Expiration Date: AUG 2 0 2013
Certificate Issue Date: August 7, 2012

Quality Information:

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

Certificate of Analysis

Aroclor 1016 Solution

Product Number: PP-281 **Page:** 1 of 1

Lot Number: CF-0785 **Lot Issue Date:** 26-Feb-2009 **Expiration Date:** 31-Mar-2017

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1016	012674-11-2	F216A	100.3 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1221 Solution

Product Number: PP-291 **Page:** 1 of 1

Lot Number: CB-1791Z **Lot Issue Date:** 01-Nov-2011 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1221	011104-28-2	AM-24	100.4 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1232 Solution

Product Number: PP-301 **Page:** 1 of 1

Lot Number: CG-3213 **Lot Issue Date:** 28-Sep-2010 **Expiration Date:** 31-Oct-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1232	011141-16-5	NT01717	100.3 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1242 Solution

Product Number: PP-311 **Page:** 1 of 1

Lot Number: CH-2711 **Lot Issue Date:** 25-Aug-2011 **Expiration Date:** 30-Sep-2019

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1242	053469-21-9	NT01020	100.4 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1248 Solution

Product Number: PP-341 **Page:** 1 of 1

Lot Number: CH-3256 **Lot Issue Date:** 27-Oct-2011 **Expiration Date:** 30-Nov-2019

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1248	012672-29-6	NT01718	100.5 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Standards

Certificate of Analysis

Aroclor 1254 Solution

Product Number: PP-351 **Page:** 1 of 1

Lot Number: CF-1469 **Lot Issue Date:** 14-Apr-2009 **Expiration Date:** 31-May-2017

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1254	011097-69-1	K040	100.2 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

A2LA ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1260 Solution

Product Number: PP-361 **Page:** 1 of 1

Lot Number: CG-3829 **Lot Issue Date:** 04-Nov-2010 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1260	011096-82-5	NT01023	100.5 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

RESTEK

JVIMS Received 12/13/11

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32039 **Lot No.:** A082781

Description : Aroclor® 1016/1260 Mix

PCB Mix, Aroclor 1016/1260, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] August 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Aroclor 1016	12674-11-2	----%	1,000.0 ug/mL	+/- 5.8275 ug/mL
2	Aroclor 1260	11096-82-5	----%	1,000.0 ug/mL	+/- 5.8275 ug/mL
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

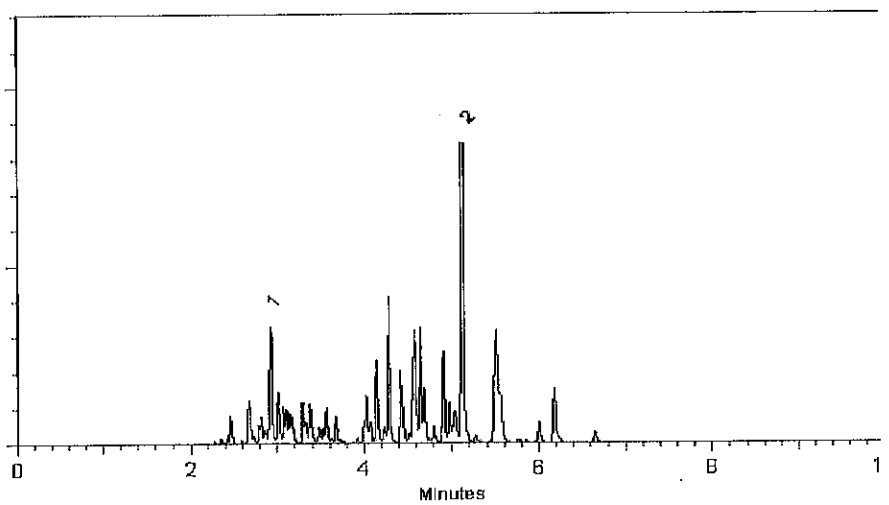
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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Certificate of Analysis

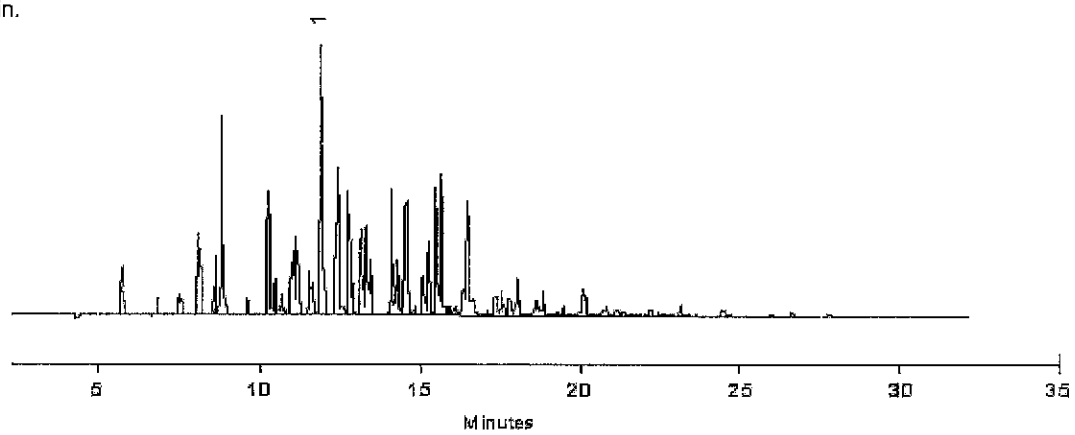
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32008 **Lot No.:** A052599
Description : Aroclor® 1232 Standard
Expiration Date[1]**:** June 2014 **Storage:** Room Temperature
Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	Aroclor 1232	11141-16-5	99%	1,000.000 ug/ml	+/-0.05 %
Solvent:	Hexane	110-54-3	99%		

Column: 30m x .32mm x .5um
Rtx-CLPesticides II
Carrier Gas: helium @ 40 cm/sec.
Temp. Program: 150°C to 300°C @ 5°C/min.

Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



Sara Eyster / QA Analyst

Balance 1119141429

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addition to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED
Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM30397

REC 9/7/07

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32009 **Lot No.:** A068369
Description: Aroclor® 1242 Standard
Expiration Date[1]: July 2016 **Storage:** Room Temperature
Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	----%	1,000.000 ug/ml	+/-0.58 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

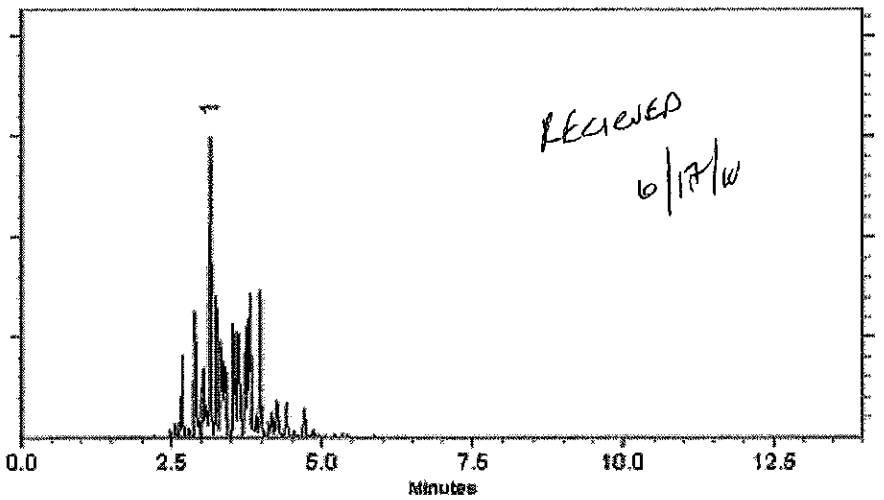
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Date Passed: 07/03/2009 **Balance:** 1128342314

Manufactured under Restek's ISO 9001-2000 Registered Quality System Certificate #FMB0397

1 Expiration date of the unopened ampule stored at recommended temperature.
2A Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest whole number. In addition to detectors listed above, chemical identity and purity are confirmed using one or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.
2C Compounds with a listed purity of less than 99% may be salts, derivatives, or hydrates. The listed purity is actually a correction factor that was used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound.
2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.
3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Uncertainties determined using repeatability and reproducibility data for balances and glassware from measurement systems analysis methodology, balance and glassware tolerances, raw material purity, and, where applicable, eccentricity and linearity values from an accredited calibration laboratory.

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32009 **Lot No.:** A068369
Description: Aroclor® 1242 Standard
Expiration Date[1]: July 2016 **Storage:** Room Temperature
Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	----%	1,000.000 ug/ml	+/-0.58 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

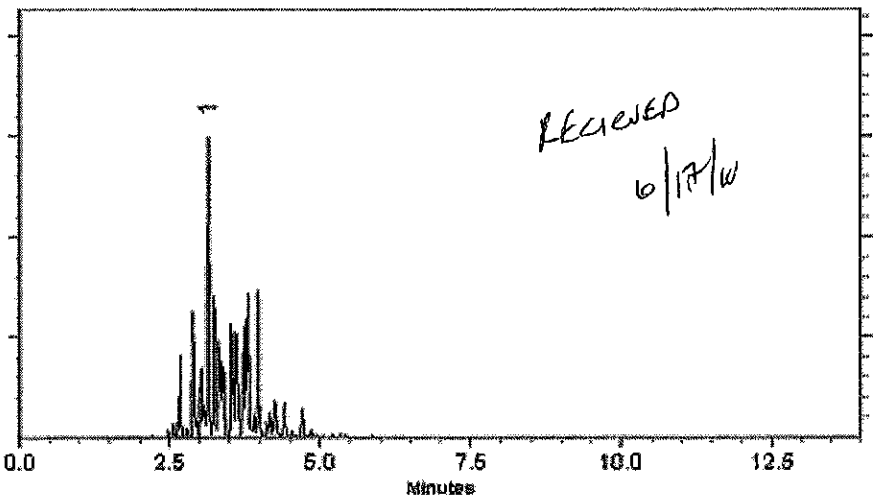
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



RECIEVED
6/17/09

Date Passed: 07/03/2009 **Balance:** 1128342314

Manufactured under Restek's ISO 9001-2000 Registered Quality System Certificate #FMB0397

1 Expiration date of the unopened ampule stored at recommended temperature.
2A Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest whole number. In addition to detectors listed above, chemical identity and purity are confirmed using one or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.
2C Compounds with a listed purity of less than 99% may be salts, derivatives, or hydrates. The listed purity is actually a correction factor that was used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound.
2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.
3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Uncertainties determined using repeatability and reproducibility data for balances and glassware from measurement systems analysis methodology, balance and glassware tolerances, raw material purity, and, where applicable, eccentricity and linearity values from an accredited calibration laboratory.

Certificate of Analysis

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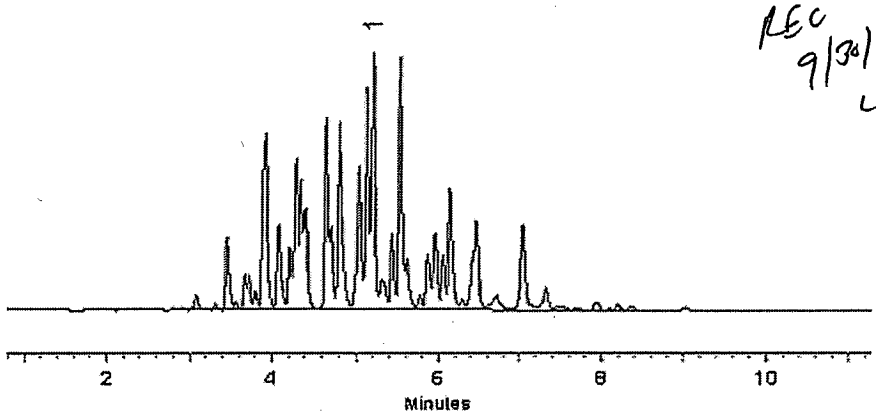
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32010 **Lot No.:** A059172
Description : Aroclor® 1248 Standard
Expiration Date[1]**:** April 2015 **Storage:** Room Temperature
Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	Aroclor 1248	12672-29-6	----%	1,000.000 ug/ml	+/-0.05 %
Solvent:	Hexane	110-54-3	99%		

Column: 30m x .32mm x .25um Rtx-CLPesticides II
Carrier Gas: helium @ 40cm/sec.
Temp. Program: 200°C to 300°C @ 10°C/min. (hold 5 min.)
Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



REC 9/30/13 LSH

Sara Eyster QA Analyst

Balance 1128360905

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addtion to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED
Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM80397

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32410 **Lot No.:** A080376

Description : Aroclor® 1268 Standard

PCB Stock Solution, Aroclor 1268 Std, 1000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] April 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L., K=2) [4]
1	Aroclor 1268	11100-14-4	----%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

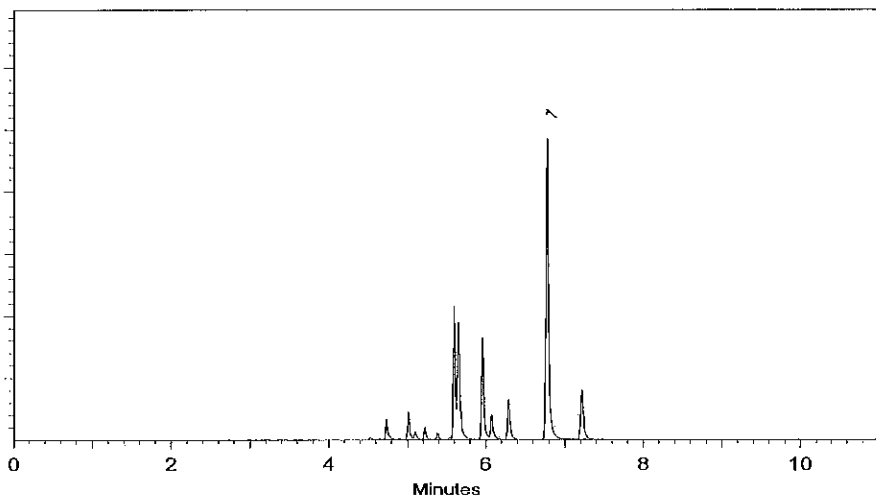
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
25°C/min. (hold 10 min.)

Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



RECEIVED 6/28/11

77356
ID: SGpcb1268std_00003
Exp 04/30/18 Rpd 11 Open 06/28/11
1268 Stock @ 1000ppm

RESTEK

Certificate of Analysis

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Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32410 **Lot No.:** A080376

Description : Aroclor® 1268 Standard

PCB Stock Solution, Aroclor 1268 Std, 1000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] April 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	Aroclor 1268	11100-14-4	----%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

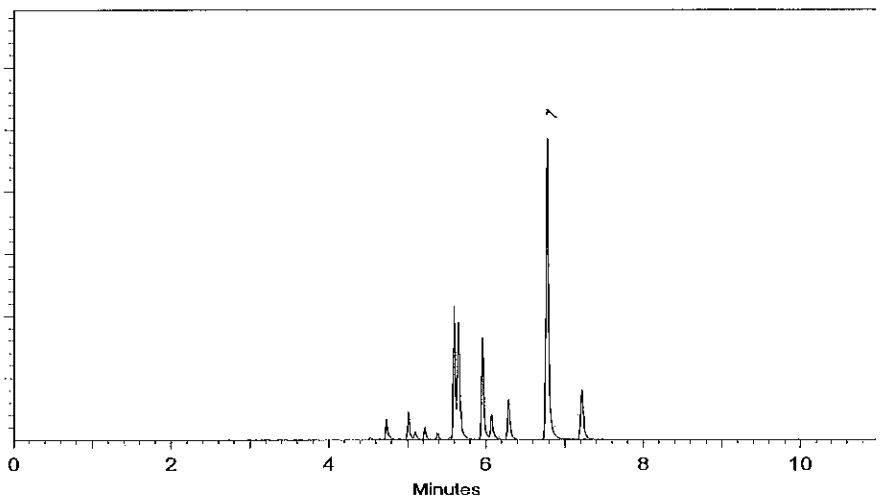
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
25°C/min. (hold 10 min.)

Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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77356
ID: SGpcb1268std_00003
Exp 04/30/18 Rpd 11 Open 06/28/11
1268 Stock @ 1000ppm

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32410 **Lot No.:** A080376

Description : Aroclor® 1268 Standard

PCB Stock Solution, Aroclor 1268 Std, 1000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] April 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L., K=2) [4]
1	Aroclor 1268	11100-14-4	----%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

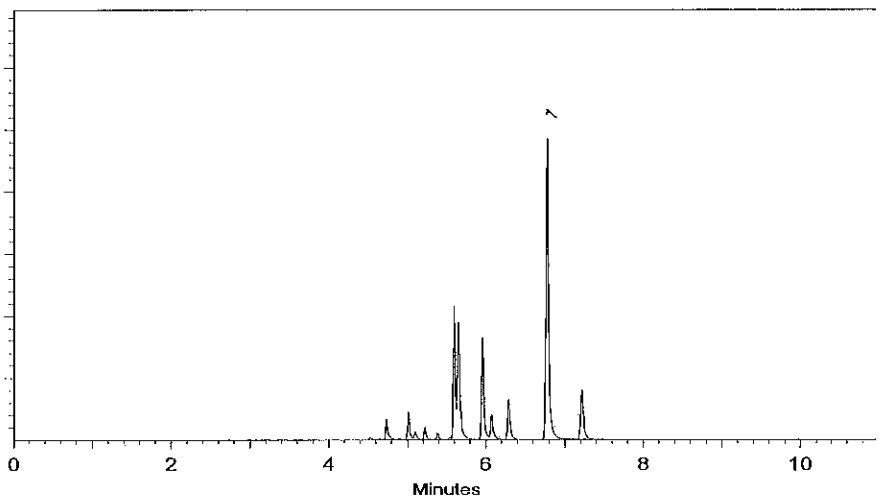
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
25°C/min. (hold 10 min.)

Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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77356
ID: SGpcb1268std_00003
Exp 04/30/18 Rpd 11 Open 06/28/11
1268 Stock @ 1000ppm

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Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32410 **Lot No.:** A080376

Description : Aroclor® 1268 Standard

PCB Stock Solution, Aroclor 1268 Std, 1000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] April 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L., K=2) [4]
1	Aroclor 1268	11100-14-4	----%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

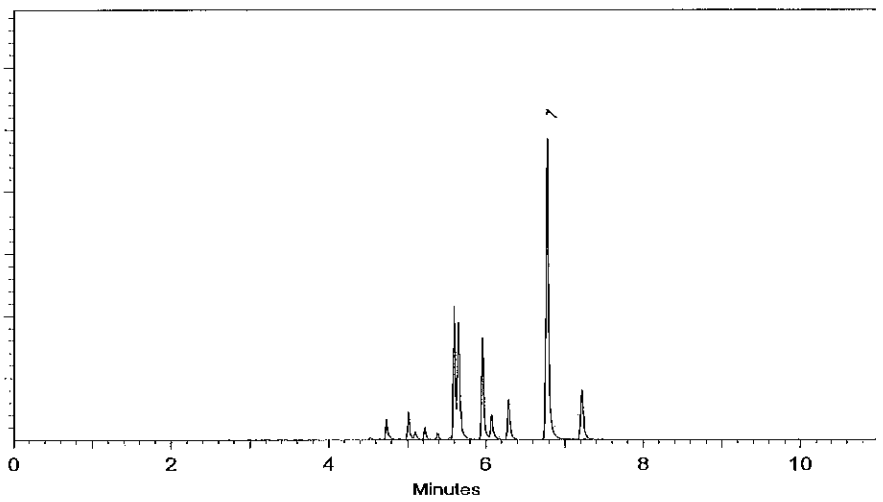
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
25°C/min. (hold 10 min.)

Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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77356
ID: SGpcb1268std_00003
Exp 04/30/18 Rpd 11 Open 06/28/11
1268 Stock @ 1000ppm

RESTEK

Certificate of Analysis

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Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32410 **Lot No.:** A080376

Description : Aroclor® 1268 Standard

PCB Stock Solution, Aroclor 1268 Std, 1000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] April 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	Aroclor 1268	11100-14-4	----%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

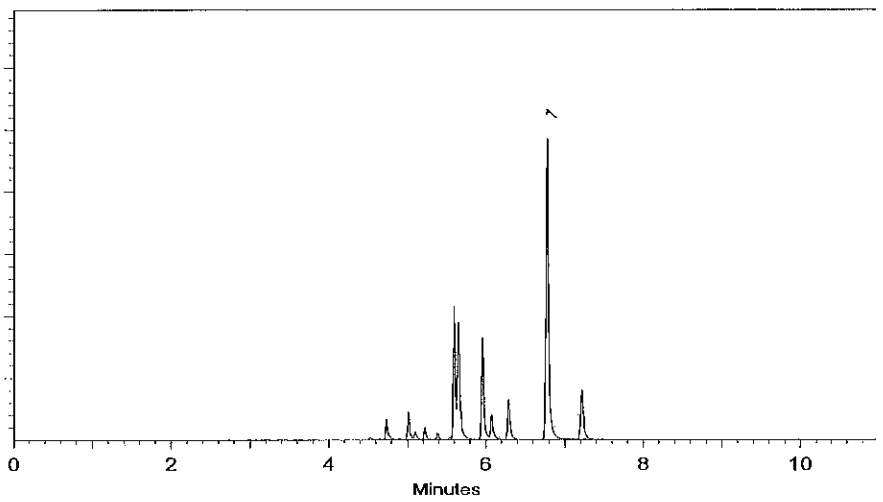
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
25°C/min. (hold 10 min.)

Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



RECEIVED 6/28/11

77356
ID: SGpcb1268std_00003
Exp 04/30/18 Rpd 11 Open 06/28/11
1268 Stock @ 1000ppm

RESTEK

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Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32410 **Lot No.:** A080376

Description : Aroclor® 1268 Standard

PCB Stock Solution, Aroclor 1268 Std, 1000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] April 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L., K=2) [4]
1	Aroclor 1268	11100-14-4	----%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

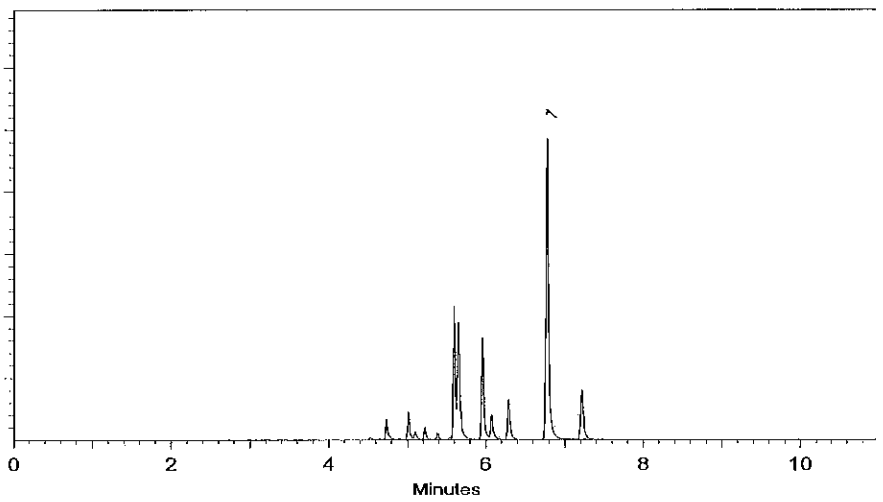
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
25°C/min. (hold 10 min.)

Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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77356
ID: SGpcb1268std_00003
Exp 04/30/18 Rpd 11 Open 06/28/11
1268 Stock @ 1000ppm

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Certificate of Analysis

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32410 **Lot No.:** A080376

Description : Aroclor® 1268 Standard

PCB Stock Solution, Aroclor 1268 Std, 1000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] April 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L., K=2) [4]
1	Aroclor 1268	11100-14-4	----%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

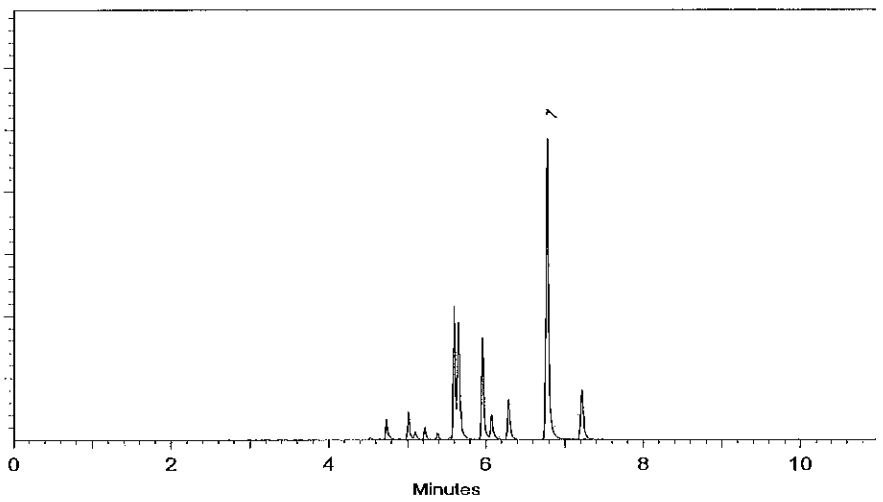
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
25°C/min. (hold 10 min.)

Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



RECEIVED 6/28/11

77356
ID: SGpcb1268std_00003
Exp 04/30/18 Rpd 11 Open 06/28/11
1268 Stock @ 1000ppm

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32007 Lot No.: A074947

Description : Aroclor® 1221 Standard

Expiration Date[1]: June 2017 Storage: Room Temperature

Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	----%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x.25mm x .2um
Rtx-CLPesticides (cat.# 11323)

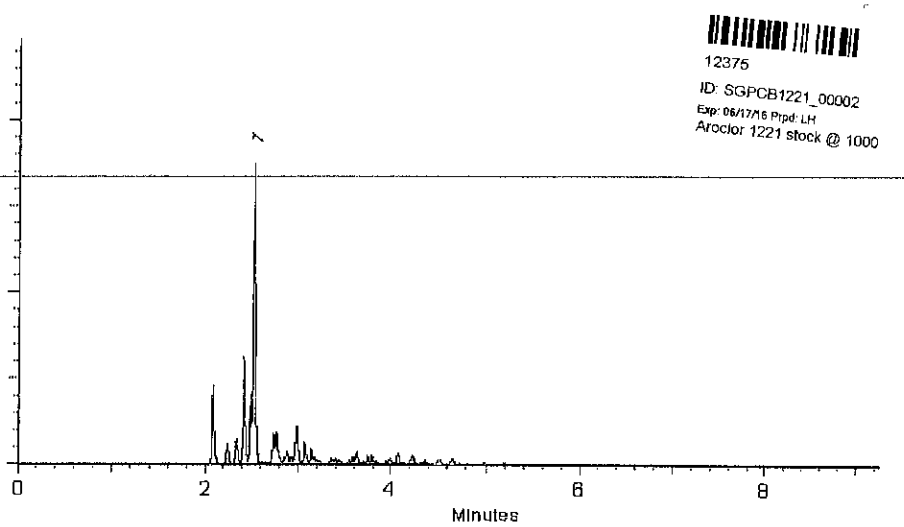
Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diana Shaffer
Diana Shaffer - QA Analyst

Date Passed: 24-May-2010 Balance: 1128360905

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials
E
7/27/16

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Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32011 **Lot No.:** A076437

Description : Aroclor® 1254 Standard

Expiration Date[1]**:** September 2017 **Storage:** Room Temperature

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	----%	1,001.600 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

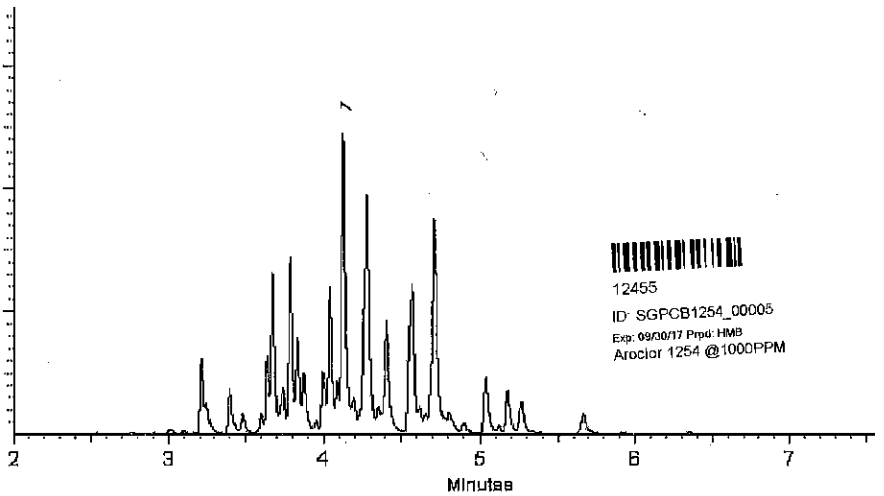
Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 23-Aug-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials 7/23/11

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Rcvd 7-21-11 cmk

Certificate of Composition

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 557670 **Lot No.:** A083000

Description : Custom Herbicide Methyl Esters Standard

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] July 2013 **Storage:** 10°C or colder

Handling: This product is photosensitive.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav. Uncert. (95% C.L.; K=2) [4]
1	Dalapon methyl ester	17640-02-7	95%	3.99 ug/mL	+/- 0.03264 ug/mL
2	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	99%	8.00 ug/mL	+/- 0.06544 ug/mL
3	Dicamba methyl ester	6597-78-0	99%	4.00 ug/mL	+/- 0.03272 ug/mL
4	MCPP (Mecoprop) methyl ester	2786-19-8	98%	799.68 ug/mL	+/- 4.74986 ug/mL
5	MCPA methyl ester	2436-73-9	99%	800.00 ng/mL	+/- 4.75176 ug/mL
6	Dichlorprop methyl ester	57153-17-0	99%	8.00 ug/mL	+/- 0.06544 ug/mL
7	2,4-D methyl ester	1928-38-7	98%	8.00 ug/mL	+/- 0.06542 ug/mL
8	Pentachloroanisole	1825-21-4	98%	2.00 ug/mL	+/- 0.1208 ug/mL
9	2,4,5-TP (silvex) methyl ester	4841-20-7	98%	2.00 ug/mL	+/- 0.1208 ug/mL
10	2,4,5-T methyl ester	1928-37-6	98%	2.00 ug/mL	+/- 0.1208 ug/mL
11	2,4-DB methyl ester	18625-12-2	99%	8.00 ug/mL	+/- 0.06544 ug/mL
12	Picloram methyl ester	14143-55-6	97%	7.99 ng/mL	+/- 0.06538 ug/mL
13	Dinoseb methyl ether	6099-79-2	99%	1.20 ug/mL	+/- 0.07251 ug/mL
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

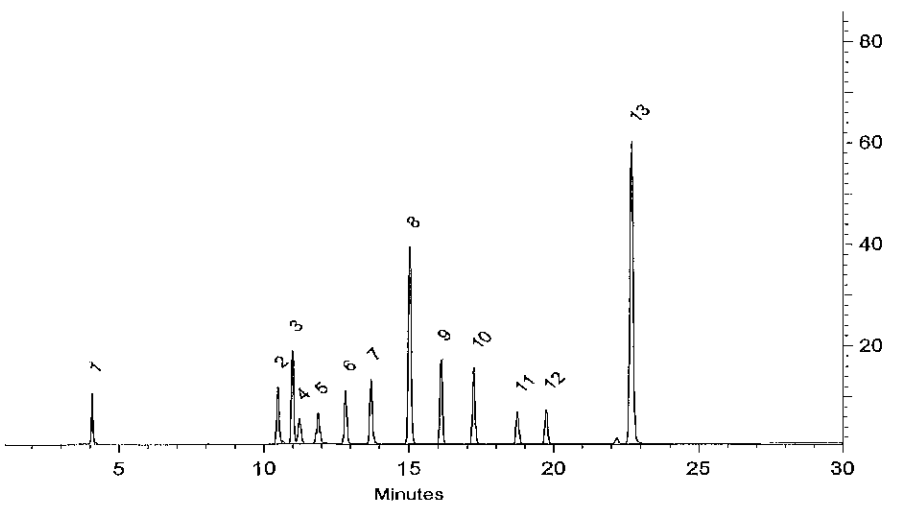
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: P-199S
Description: Pentachloroanisole
Lot: B4010036
Solvent: Methanol

Date Certified: Jan 15, 2004
Expiration: Jan 15, 2014
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Pentachloroanisole	1825-21-4	100	100.3	100.3

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/254480
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

OR-ORG/INO-001
Rev. 7/11

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32007 **Lot No.:** A074947

Description : Aroclor® 1221 Standard

Expiration Date[1]**:** June 2017 **Storage:** Room Temperature

Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	----%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

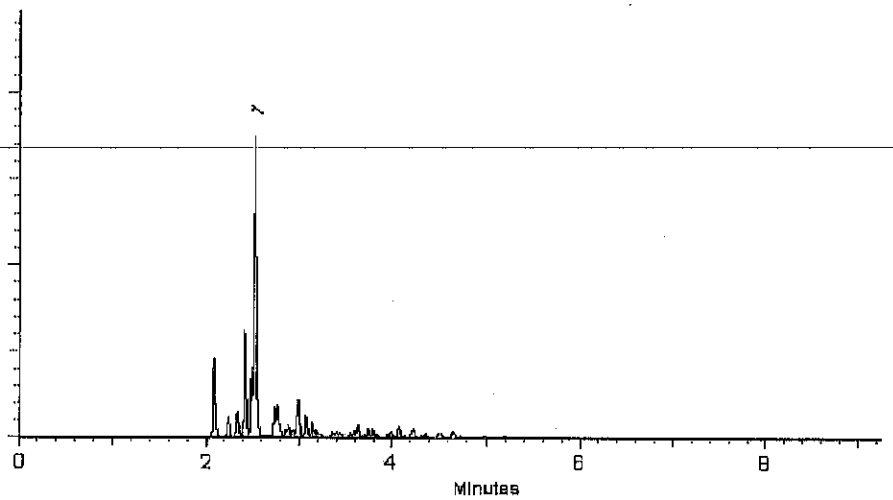
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 24-May-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials
E
7/27/10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Reagent ID: VGINTSTD_00001

		Expiration Date:	10/08/2011
Description:	INTERNAL STANDARD	Laboratory:	TestAmerica North Canton
No. of Bottles:	2	Prepared By:	Bolgrin, Deborah
Storage Location:	F022	Solvent:	MEOH
Reagent Volume:	50.000 mL	Solvent Lot:	50349
Creation Date:	04/08/2011		
Container(s):	12414, 12415		
Comment:			

Reagent Analyte Information

Analyte	Source ID	Source Expiration Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Fluorobenzene	VGISSTOCK_00001	12/31/2012	2000.000	ug/mL	50.00000	ug/mL

Source Reagents

Reagent	Description	Type	Expiration	Vendor	Vendor Lot #	Vendor Cat Lot #	Volume Used	Volume Units
VGISSTOCK_00001	IS FLOROBENZENE	ASTD	12/31/12	ULTRA SCIENTIFIC	CE-4128	STS-160	1.2500	mL

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32011 **Lot No.:** A076437

Description : Aroclor® 1254 Standard

Expiration Date[1]**:** September 2017 **Storage:** Room Temperature

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	----%	1,001.600 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

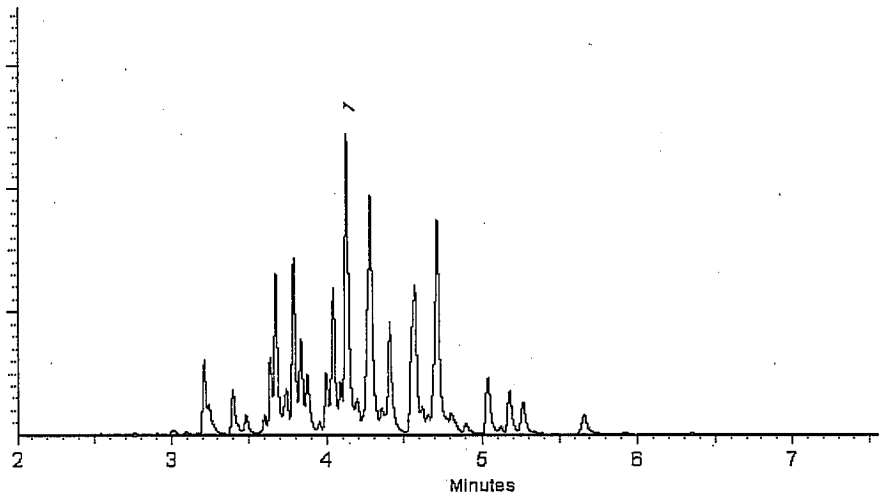
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 23-Aug-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials 3/23/11

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Certificate of Analysis

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32410 **Lot No.:** A080376

Description : Aroclor® 1268 Standard

PCB Stock Solution, Aroclor 1268 Std, 1000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] April 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L., K=2) [4]
1	Aroclor 1268	11100-14-4	----%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

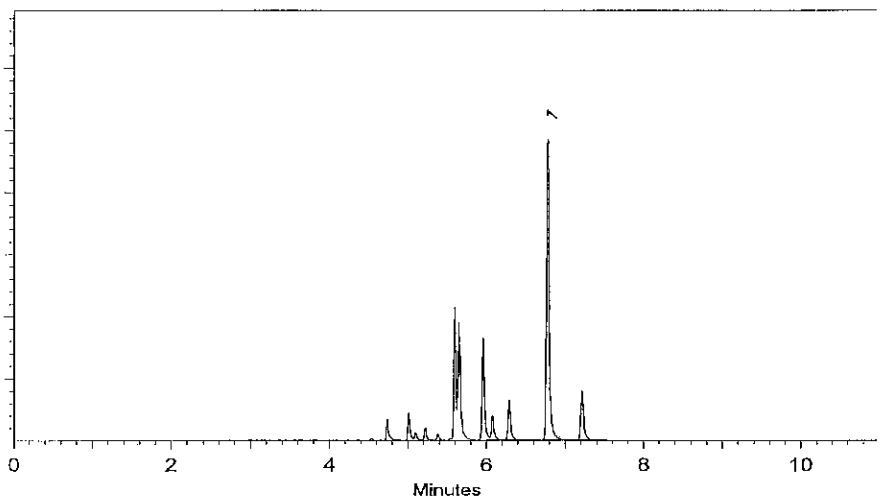
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



RECEIVED 6/28/11

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

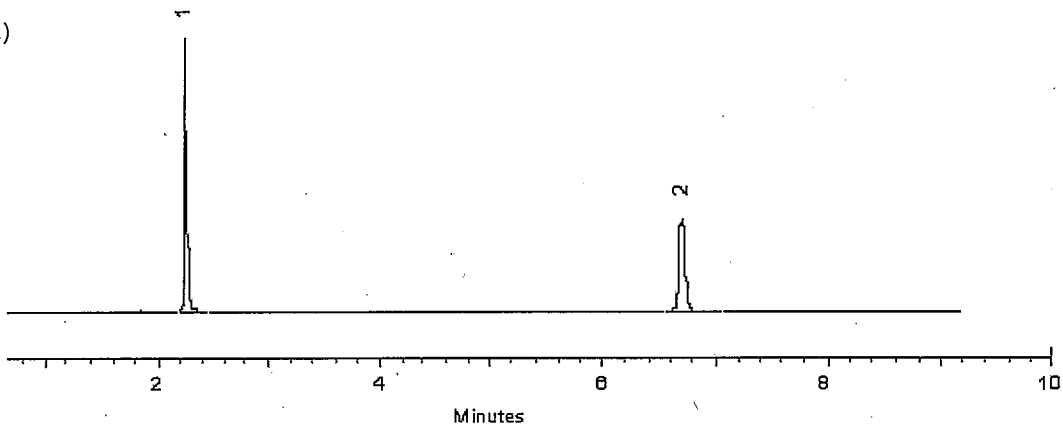
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32000 **Lot No.:** A057014
Description : Pesticide Surrogate Mix
Expiration Date[1]**:** June 2015 **Storage:** Refrigerate
Handling: Warm & Sonicate prior to use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	98%	200.018 ug/ml	+/-0.03 %
2	Decachlorobiphenyl	2051-24-3	99%	200.000 ug/ml	+/-0.03 %
Solvent:	Acetone	67-64-1	99%		

LEC 7/13/08
LOT

Column: 30m x .32mm x .25um
Rtx-CLPesticides II
Carrier Gas: helium @ 40cm/sec.
Temp. Program: 200°C to 300°C
@ 15°C/min. (hold 12 min.)
Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



Sara Eyster QA Analyst

Balance 1128342313

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addition to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED

Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM80397

Tech Tip:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Rcvd 12-8-11 Recd 3 vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

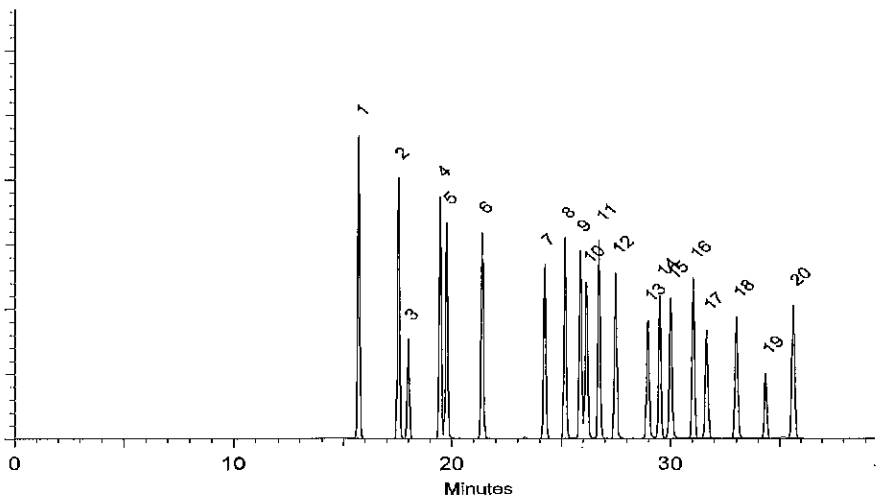
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Rcvd 12-8-11 Recd 3 vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

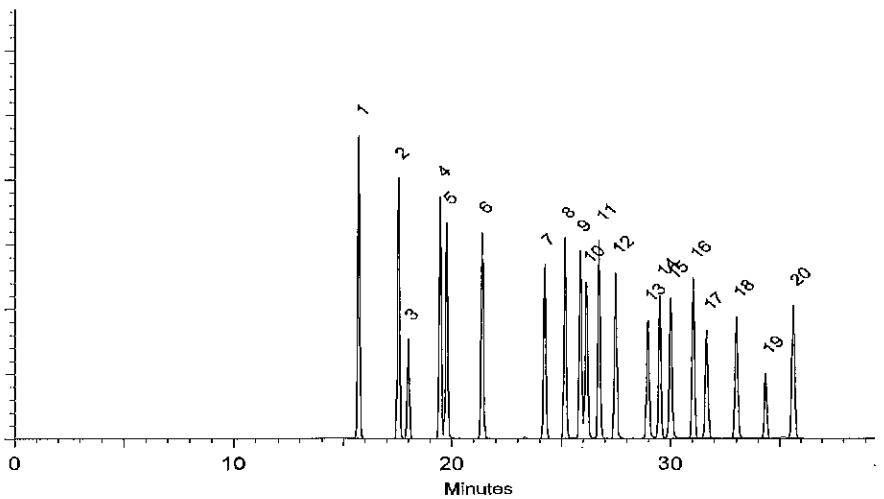
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Organochlorine Pesticides Mixture

Product Number: PPM-808C

Page: 1 of 2

Lot Number: CH-3658 **Lot Issue Date:** 01-Dec-2011 **Expiration Date:** 31-Dec-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

1:100 (1ml in 100)
1:400 (250uls in 100uls)

Analyte	CAS#	Analyte Lot	True Value
aldrin	000309-00-2	RM00635-01	1002 ± 5 µg/mL
alpha-BHC	000319-84-6	RM02725-01	1002 ± 5 µg/mL
beta-BHC	000319-85-7	RM02724-02	1002 ± 5 µg/mL
delta-BHC	000319-86-8	RM02723-05	1002 ± 5 µg/mL
gamma-BHC	000058-89-9	RM02694-04	1002 ± 5 µg/mL
alpha-chlordane	005103-71-9	RM02742-03	1002 ± 5 µg/mL
gamma-chlordane	005103-74-2	RM02726-08	1002 ± 5 µg/mL
4,4'-DDD	000072-54-8	RM00615-01	1002 ± 5 µg/mL
4,4'-DDE	000072-55-9	RM02892-02	1002 ± 5 µg/mL
4,4'-DDT	000050-29-3	RM02881-01	1002 ± 5 µg/mL
dieldrin	000060-57-1	RM03957-01	1002 ± 5 µg/mL
endosulfan I	000959-98-8	RM00834-01	1002 ± 5 µg/mL
endosulfan II	033213-65-9	RM02906-02	1002 ± 5 µg/mL
endosulfan sulfate	001031-07-8	RM02897-01	1002 ± 5 µg/mL
endrin	000072-20-8	256-27A	1002 ± 5 µg/mL
endrin aldehyde	007421-93-4	ER082306-01	1002 ± 5 µg/mL
endrin ketone	053494-70-5	RM00212-02	1002 ± 5 µg/mL
heptachlor	000076-44-8	RM03111-02	1002 ± 5 µg/mL
heptachlor epoxide - isomer B	001024-57-3	RM03131-03	1002 ± 5 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

A2LA ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Organochlorine Pesticides Mixture

Product Number: PPM-808C

Page: 2 of 2

Lot Number: CH-3658 **Lot Issue Date:** 01-Dec-2011 **Expiration Date:** 31-Dec-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

methoxychlor	000072-43-5	RM01712-05	1002 ± 5 µg/mL

Matrix: hexane/toluene (1:1)

Storage: Store at Room Temperature (18-25°C). Do Not Refrigerate.

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005
Accredited
A2LA
Cert. No. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Rcvd 12-8-11 Recd 3 vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .20m
Rtx-CLP II (cat.# 11323)

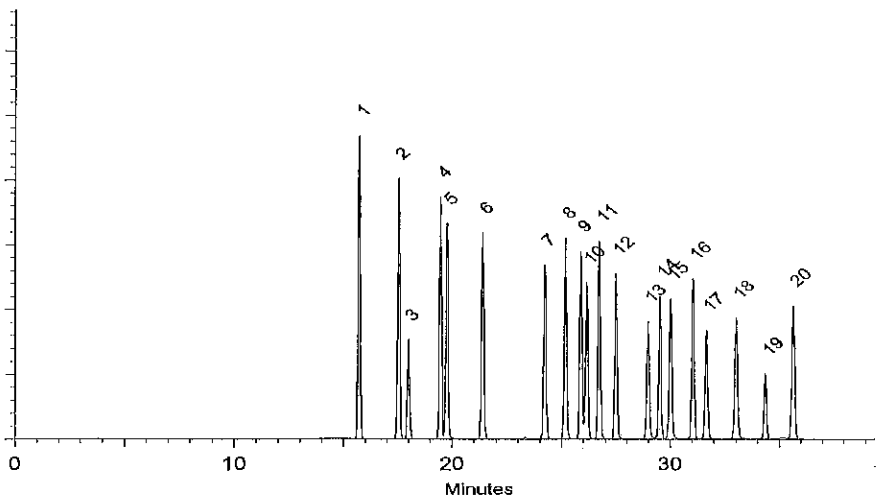
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Rcvd 12-8-11 Recd 3 vials

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Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .20m
Rtx-CLP II (cat.# 11323)

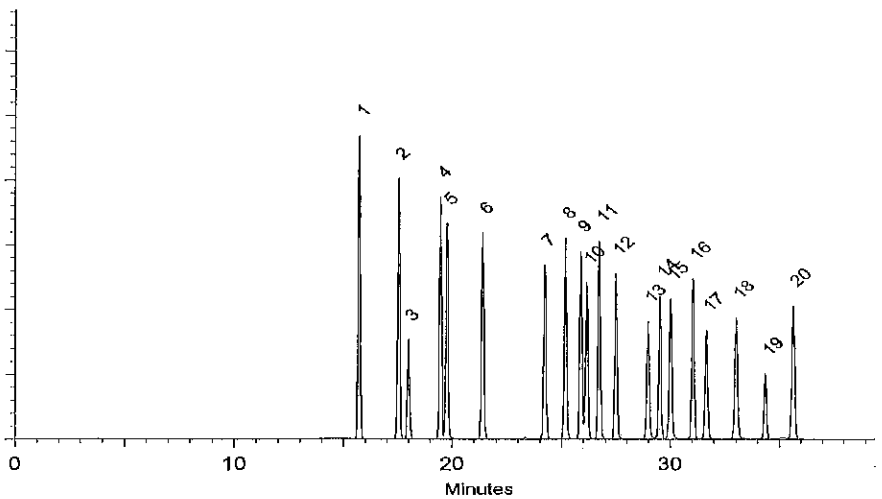
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Certificate of Analysis

DESCRIPTION: Toxaphene

CATALOG NO.: 48103 MFG DATE: Feb-2011

LOT NO.: LB82082 EXPIRATION DATE: Feb-2014

SOLVENT: ISOOCTANE

ANALYTE	CAS NUMBER	PERCENT PURITY(1)	WEIGHT(2) CONCENTRATION	ANALYTICAL(3) CONCENTRATION	STD DEV	SUPELCO LOT NO
TOXAPHENE	8001-35-2	N/A (a)	1000	956	+/- 16.2	LA47407

SGPESTTOX 00011

Recd 12-12-11 1 vial

(1) Determined by capillary GC-FID, unless otherwise noted.
a) Complex mix - Can't Determine

(2) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(3) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

Rec'd 12-8-11. 2 vials

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Certificate of Analysis

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Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32005 **Lot No.:** A080394

Description : Toxaphene Standard

Pesticide Mix, toxaphene, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2015 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	Toxaphene	8001-35-2	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

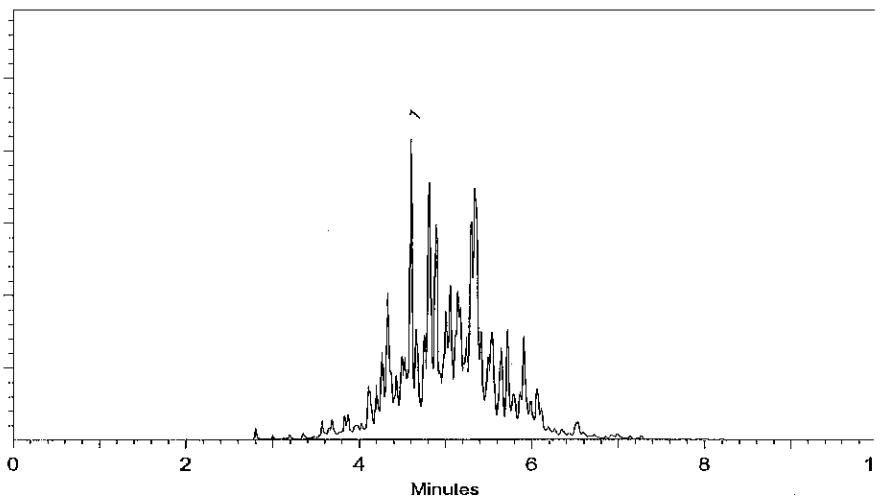
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Rec'd 12-8-11. 2 vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32005 **Lot No.:** A080394

Description : Toxaphene Standard

Pesticide Mix, toxaphene, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2015 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	Toxaphene	8001-35-2	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

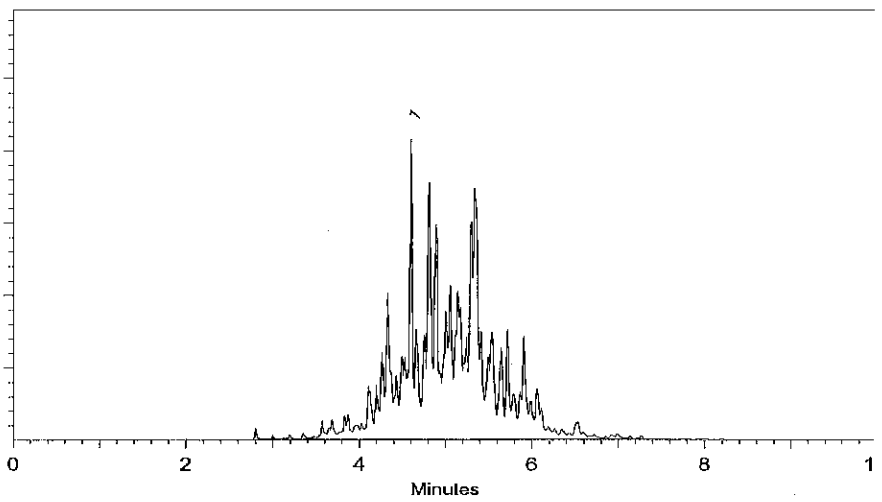
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 566300 **Lot No.:** A081795

Description : Custom Revised 8270 Mix #1

Container Size : [5] 5 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] May 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	Grav.Uncert. [4] (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	99%	400.000 ug/mL	+/- 2.7 ug/mL
2	2-Fluorophenol	367-12-4	99%	400.000 ug/mL	+/- 2.7 ug/mL
3	2-Chlorophenol-d4	93951-73-6	99%	400.000 ug/mL	+/- 2.7 ug/mL
4	Phenol-d6	13127-88-3	99%	400.000 ug/mL	+/- 2.7 ug/mL
5	2-Chlorophenol	95-57-8	99%	400.000 ug/mL	+/- 3.0 ug/mL
6	Phenol	108-95-2	99%	400.000 ug/mL	+/- 3.0 ug/mL
7	1,4-Dichlorobenzene	106-46-7	99%	400.000 ug/mL	+/- 2.7 ug/mL
8	Benzyl alcohol	100-51-6	99%	400.000 ug/mL	+/- 2.7 ug/mL
9	2-Methylphenol (o-cresol)	95-48-7	99%	400.000 ug/mL	+/- 3.0 ug/mL
10	4-Methylphenol (p-cresol)	106-44-5	99%	400.000 ug/mL	+/- 3.0 ug/mL
11	2-Nitrophenol	88-75-5	99%	400.000 ug/mL	+/- 3.0 ug/mL
12	2,4-Dimethylphenol	105-67-9	99%	400.000 ug/mL	+/- 3.0 ug/mL
13	2,4-Dichlorophenol	120-83-2	99%	400.000 ug/mL	+/- 3.0 ug/mL
14	Benzoic acid	65-85-0	99%	400.000 ug/mL	+/- 3.0 ug/mL
15	4-Chloro-3-methylphenol	59-50-7	99%	400.000 ug/mL	+/- 3.0 ug/mL
16	2,4,6-Trichlorophenol	88-06-2	99%	400.000 ug/mL	+/- 3.0 ug/mL
17	2,4,5-Trichlorophenol	95-95-4	99%	400.000 ug/mL	+/- 3.0 ug/mL
18	2,4-Dinitrophenol	51-28-5	97%	399.989 ug/mL	+/- 3.0 ug/mL
19	2,3,5,6-Tetrachlorophenol	935-95-5	99%	400.000 ug/mL	+/- 2.7 ug/mL
20	4-Nitrophenol	100-02-7	99%	400.000 ug/mL	+/- 3.0 ug/mL
21	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	99%	400.000 ug/mL	+/- 3.0 ug/mL
22	2,4,6-Tribromophenol	118-79-6	99%	400.000 ug/mL	+/- 2.7 ug/mL
23	Pentachlorophenol	87-86-5	97%	399.989 ug/mL	+/- 3.0 ug/mL

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 57833 **Lot No.:** A081245
Description : Custom Revised 8270 Mix # 2
Container Size : [5] 2 mL **Pkg Amt:** [5] > 2 mL
Expiration Date : [1] April 2013 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	% Grav.Uncert. [4] (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	99%	400.000 ug/mL	+/-0.67 %
2	Pyridine	110-86-1	99%	400.000 ug/mL	+/-0.67 %
3	Aniline	62-53-3	100%	400.000 ug/mL	+/-0.67 %
4	N-Nitroso-di-n-propylamine	621-64-7	99%	400.000 ug/mL	+/-0.67 %
5	4-Chloroaniline	106-47-8	99%	400.000 ug/mL	+/-0.67 %
6	2,4-Diaminotoluene	95-80-7	99%	400.000 ug/mL	+/-0.67 %
7	3-Nitroaniline	99-09-2	99%	400.000 ug/mL	+/-0.67 %
8	2-Nitroaniline	88-74-4	99%	400.000 ug/mL	+/-0.67 %
9	4-Nitroaniline	100-01-6	99%	400.000 ug/mL	+/-0.67 %
10	N-Nitrosodiphenylamine	86-30-6	97%	399.640 ug/mL	+/-0.67 %
11	Atrazine	1912-24-9	99%	400.000 ug/mL	+/-0.67 %
12	Benzidine	92-87-5	99%	400.000 ug/mL	+/-0.67 %
13	3,3'-Dichlorobenzidine	91-94-1	99%	400.000 ug/mL	+/-0.67 %
14	4,4-Methylene-bis(2-chloroaniline)	101-14-4	98%	399.840 ug/mL	+/-0.67 %
15	3,3'-Dimethoxybenzidine	119-90-4	99%	400.000 ug/mL	+/-0.67 %
Solvent:	Methylene Chloride (MEOH FREE)	75-09-2	99%		

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

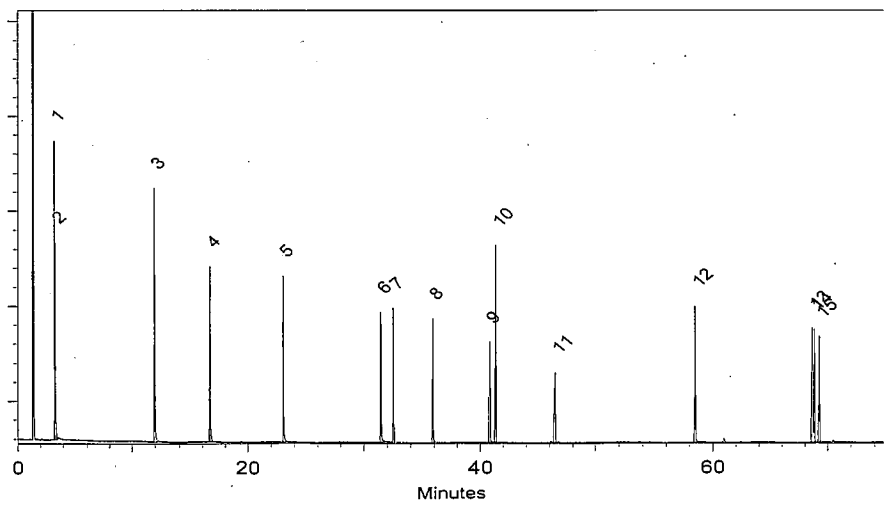
Carrier Gas:
hydrogen-constant pressure 10 psi

Temp. Program:
35°C (hold 3 min.) to 330°C
@ 3°C/min. (hold 3 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
FID



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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 57834 **Lot No.:** A083779

Description : Custom Revised 8270 Mix # 3

Container Size : [5] 2 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] December 2014 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Ethyl methacrylate	97-63-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
2	Acetophenone	98-86-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
3	Isophorone	78-59-1	99%	400.0 ug/mL	+/- 2.8363 ug/mL
4	Naphthalene	91-20-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
5	epsilon-Caprolactam	105-60-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
6	1-Methylnaphthalene	90-12-0	99%	400.0 ug/mL	+/- 2.8363 ug/mL
7	2-Methylnaphthalene	91-57-6	97%	399.6 ug/mL	+/- 2.8338 ug/mL
8	Biphenyl	92-52-4	99%	400.0 ug/mL	+/- 2.8363 ug/mL
9	Acenaphthylene	208-96-8	99%	400.0 ug/mL	+/- 2.8363 ug/mL
10	Dimethylphthalate	131-11-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
11	Acenaphthene	83-32-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
12	Dibenzofuran	132-64-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
13	Fluorene	86-73-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
14	Diethylphthalate	84-66-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
15	Azobenzene	103-33-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
16	Sulfotepp	3689-24-5	99%	400.0 ug/mL	+/- 2.8363 ug/mL
17	Phenanthrene	85-01-8	99%	400.0 ug/mL	+/- 2.8363 ug/mL
18	Anthracene	120-12-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
19	Carbazole	86-74-8	98%	399.8 ug/mL	+/- 2.8352 ug/mL
20	Di-n-butylphthalate	84-74-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
21	Fluoranthene	206-44-0	98%	399.8 ug/mL	+/- 2.8352 ug/mL
22	Pyrene	129-00-0	98%	399.8 ug/mL	+/- 2.8352 ug/mL
23	Benzyl butyl phthalate	85-68-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
24	Benz(a)anthracene	56-55-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
25	Chrysene	218-01-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
26	Bis(2-ethylhexyl)phthalate	117-81-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
27	Di-n-octyl phthalate	117-84-0	98%	399.8 ug/mL	+/- 2.8352 ug/mL
28	Benzo(b)fluoranthene	205-99-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
29	Benzo(k)fluoranthene	207-08-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
30	Benzo(a)pyrene	50-32-8	99%	400.0 ug/mL	+/- 2.8363 ug/mL
31	Indeno(1,2,3-cd)pyrene	193-39-5	99%	400.0 ug/mL	+/- 2.8363 ug/mL
32	Dibenz(a,h)anthracene	53-70-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
33	Benzo(g,h,i)perylene	191-24-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL

Solvent: Methylene Chloride (MEOH FREE) 75-09-2 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

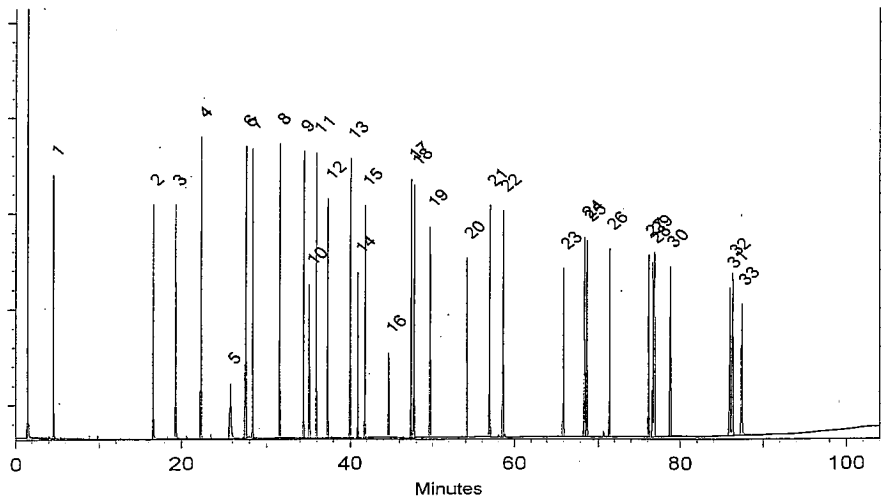
Carrier Gas:
hydrogen-constant pressure 10 psi

Temp. Program:
35°C (hold 3 min.) to 330°C
@ 3°C/min. (hold 3 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
FID



John Lidgett - QA Analyst **Date Passed:** 12-Sep-2011 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 566299 **Lot No.:** A081933

Description : Custom Revised 8270 Mix #4

Container Size : [5] 5 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] May 2014 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	3-Chloropropionitrile	542-76-7	99%	400.0 ug/mL	+/- 2.7 ug/mL
2	Malononitrile	109-77-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
3	Benzaldehyde	100-52-7	99%	400.0 ug/mL	+/- 2.7 ug/mL
4	Bis(2-chloroethyl)ether	111-44-4	99%	400.0 ug/mL	+/- 2.7 ug/mL
5	1,3-Dichlorobenzene	541-73-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
6	1,2-Dichlorobenzene-d4	2199-69-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
7	1,2-Dichlorobenzene	95-50-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
8	Bis(2-chloroisopropyl)ether	108-60-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
9	Hexachloroethane	67-72-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
10	Nitrobenzene-d5	4165-60-0	99%	400.0 ug/mL	+/- 2.7 ug/mL
11	Nitrobenzene	98-95-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
12	1,2,4-Trichlorobenzene	120-82-1	97%	399.6 ug/mL	+/- 2.7 ug/mL
13	Bis(2-chloroethoxy)methane	111-91-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
14	1,3,5-Trichlorobenzene	108-70-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
15	1,2,3-Trichlorobenzene	87-61-6	99%	400.0 ug/mL	+/- 2.7 ug/mL
16	Hexachlorobutadiene	87-68-3	98%	399.8 ug/mL	+/- 2.7 ug/mL
17	1,2,3,4-Tetrachlorobenzene	634-66-2	95%	400.0 ug/mL	+/- 2.7 ug/mL
18	Hexachlorocyclopentadiene	77-47-4	99%	400.0 ug/mL	+/- 2.7 ug/mL
19	2-Fluorobiphenyl	321-60-8	99%	400.0 ug/mL	+/- 2.7 ug/mL
20	2-Chloronaphthalene	91-58-7	99%	400.0 ug/mL	+/- 2.7 ug/mL
21	1,2,3,5-Tetrachlorobenzene	634-90-2	99%	400.0 ug/mL	+/- 2.7 ug/mL
22	2,6-Dinitrotoluene	606-20-2	99%	400.0 ug/mL	+/- 2.7 ug/mL
23	1,2-Dinitrobenzene	528-29-0	99%	400.0 ug/mL	+/- 2.7 ug/mL
24	2,4-Dinitrotoluene	121-14-2	99%	400.0 ug/mL	+/- 2.7 ug/mL
25	4-Chlorophenyl phenyl ether	7005-72-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
26	4-Bromophenyl phenyl ether	101-55-3	98%	399.8 ug/mL	+/- 2.7 ug/mL
27	Hexachlorobenzene	118-74-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
28	p-Terphenyl-d14	1718-51-0	97%	399.6 ug/mL	+/- 2.7 ug/mL

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USA

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CERTIFICATE OF ANALYSIS

Catalog No: APP-9-091-50X
Description: 2,4-Dinitrophenol
Lot: B7040078
Solvent: Methanol

Date Certified: Apr 10, 2007
Expiration: Apr 10, 2017
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
2,4-Dinitrophenol	51-28-5	100	5003	5003

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

CERTIFICATION REPORT

1. **Quality Documentation:** This certificate is designed in accordance with ISO Guide 31 (Reference Materials - Contents of Certificates and Labels) and ISO Guide 35 (Reference Materials – General and Statistical Principles for Certification).

2. **Quality Standards:**

   ISO Guide 34 - General Requirements for the Competence of Reference Material Producers ACLASS Certificate Number AR-1463

   AR-1463

   ISO/IEC 17025:2005 - General Requirements for the Competence of Testing and Calibration Laboratories ACLASS Certificate Number AT-1339

   AT-1339

   ISO 9001:2008 Quality Management System - Requirements Eagle Registrations Certificate Number 3774

3. **Intended Use:** The product covered by this certificate is designed for calibration or for use in quality control procedures for the specified chemical compounds listed on the reverse side. This product can be used for quantification and/or identification. This product can also be used as a reference material to validate analytical procedures, subject to the conditions under Section 11. If dilution is required, use only Class A glassware and diluent compatible with all certified analytes in this preparation. All solutions should be thoroughly mixed prior to use.

4. **Raw Materials:** Reference standards are prepared from the highest quality starting materials with defined purities. All analytes and solvents are obtained from pre-qualified vendors and then analyzed or evaluated prior to use.

5. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. Please refer to the NIST test number listed on the front of this certificate. Class A glassware is used in the manufacture and quality control of all standards and calibrated using an in-house procedure. Good Laboratory Practices have been used throughout the preparation of this CRM.

6. **Homogeneity Assessment:** Homogeneity of the finished product is assessed by analyzing sample batches or by other methods consistent with the intended use of the product and by procedures that comply with the appropriate Quality System requirements, and ISO Guide 35.

7. **Stability Assessment:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label. To ensure a uniform solution, mix the contents of the sealed container thoroughly prior to use. Care should be taken not to contaminate the contents of the original container.

8. **Analytical Quality Control:** Products are tested by validated analytical methods specified in the manufacturer's quality system.

9. **Uncertainty Statistics and Confidence Limits:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide (Quantifying Uncertainty in Analytical Measurement). We have evaluated both Type A (based on a series of observations) and Type B (manufacturers specifications and calibration data) factors and report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula: $u_m = \sqrt{(u(P))^2 + (u(m))^2 + (u(V))^2}$. The expanded uncertainty, U, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level. Laboratories accredited to ISO/IEC 17025 and ISO Guide 34 are required to estimate uncertainty budgets associated with the measurements they make. However, for analysis, the certified value should be used as the actual value.

10. **Warranties:** The manufacturer warrants that its products shall conform to the description of such products as provided in its catalog or on the specific product label. This warranty is exclusive, and the manufacturer makes no other warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.

11. **Legal Notice and Limit of Liability:** This product is for routine laboratory analysis and research purposes only. Due to the hazardous nature, only trained personnel should handle this product. The company's liability will be limited to replacement of product or refund of purchase price. Notice of claims must be made within thirty (30) days from date of delivery.

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CERTIFICATE OF ANALYSIS

Catalog No: Z-014D-1
Description: Benzoic acid
Lot: 211061093
Solvent: Dichloromethane

Date Certified: Jun 7, 2011
Expiration: Jun 7, 2021
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HARMFUL

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % MFG	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Benzoic acid	65-85-0	99.5	2004	1994

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

CERTIFICATION REPORT

1. **Quality Documentation:** This certificate is designed in accordance with ISO Guide 31 (Reference Materials - Contents of Certificates and Labels) and ISO Guide 35 (Reference Materials – General and Statistical Principles for Certification).

2. **Quality Standards:**

   ISO Guide 34 – General Requirements for the Competence of Reference Material Producers ACLASS Certificate Number AR-1463

   AR-1463

   ISO/IEC 17025:2005 - General Requirements for the Competence of Testing and Calibration Laboratories ACLASS Certificate Number AT-1339

   AT-1339

   ISO 9001:2008 Quality Management System - Requirements
   Eagle Registrations Certificate Number 3774

3. **Intended Use:** The product covered by this certificate is designed for calibration or for use in quality control procedures for the specified chemical compounds listed on the reverse side. This product can be used for quantification and/or identification. This product can also be used as a reference material to validate analytical procedures, subject to the conditions under Section 11. If dilution is required, use only Class A glassware and diluent compatible with all certified analytes in this preparation. All solutions should be thoroughly mixed prior to use.

4. **Raw Materials:** Reference standards are prepared from the highest quality starting materials with defined purities. All analytes and solvents are obtained from pre-qualified vendors and then analyzed or evaluated prior to use.

5. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. Please refer to the NIST test number listed on the front of this certificate. Class A glassware is used in the manufacture and quality control of all standards and calibrated.using an in-house procedure. Good Laboratory Practices have been used throughout the preparation of this CRM.

6. **Homogeneity Assessment:** Homogeneity of the finished product is assessed by analyzing sample batches or by other methods consistent with the intended use of the product and by procedures that comply with the appropriate Quality System requirements, and ISO Guide 35.

7. **Stability Assessment:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label. To ensure a uniform solution, mix the contents of the sealed container thoroughly prior to use. Care should be taken not to contaminate the contents of the original container.

8. **Analytical Quality Control:** Products are tested by validated analytical methods specified in the manufacturer's quality system.

9. **Uncertainty Statistics and Confidence Limits:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide (Quantifying Uncertainty in Analytical Measurement). We have evaluated both Type A (based on a series of observations) and Type B (manufacturers specifications and calibration data) factors and report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula: $u_{\mathrm{m}} = \sqrt{(u(\mathrm{P}))^2 + (u(\mathrm{m}))^2 + (u(\mathrm{V}))^2}$. The expanded uncertainty, U, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level. Laboratories accredited to ISO/IEC 17025 and ISO Guide 34 are required to estimate uncertainty budgets associated with the measurements they make. However, for analysis, the certified value should be used as the actual value.

10. **Warranties:** The manufacturer warrants that its products shall conform to the description of such products as provided in its catalog or on the specific product label. This warranty is exclusive, and the manufacturer makes no other warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.

11. **Legal Notice and Limit of Liability:** This product is for routine laboratory analysis and research purposes only. Due to the hazardous nature, only trained personnel should handle this product. The company's liability will be limited to replacement of product or refund of purchase price. Notice of claims must be made within thirty (30) days from date of delivery.

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CERTIFICATE OF ANALYSIS

Catalog No: APP-9-176-D-20X
Description: Pentachlorophenol
Lot: 211041014
Solvent: Dichloromethane

Date Certified: Apr 1, 2011
Expiration: Apr 1, 2021
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HARMFUL

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Pentachlorophenol	87-86-5	99.0	2007	1987

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

CERTIFICATION REPORT

1. **Quality Documentation:** This certificate is designed in accordance with ISO Guide 31 (Reference Materials – Contents of Certificates and Labels) and ISO Guide 35 (Reference Materials – General and Statistical Principles for Certification).

2. **Quality Standards:**

   ISO Guide 34 - General Requirements for the Competence of Reference Material Producers ACLASS Certificate Number AR-1463

   AR-1463

   ISO/IEC 17025:2005 - General Requirements for the Competence of Testing and Calibration Laboratories ACLASS Certificate Number AT-1339

   AT-1339

   ISO 9001:2008 Quality Management System - Requirements Eagle Registrations Certificate Number 3774

3. **Intended Use:** The product covered by this certificate is designed for calibration or for use in quality control procedures for the specified chemical compounds listed on the reverse side. This product can be used for quantification and/or identification. This product can also be used as a reference material to validate analytical procedures, subject to the conditions under Section 11. If dilution is required, use only Class A glassware and diluent compatible with all certified analytes in this preparation. All solutions should be thoroughly mixed prior to use.

4. **Raw Materials:** Reference standards are prepared from the highest quality starting materials with defined purities. All analytes and solvents are obtained from pre-qualified vendors and then analyzed or evaluated prior to use.

5. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. Please refer to the NIST test number listed on the front of this certificate. Class A glassware is used in the manufacture and quality control of all standards and calibrated using an in-house procedure. Good Laboratory Practices have been used throughout the preparation of this CRM.

6. **Homogeneity Assessment:** Homogeneity of the finished product is assessed by analyzing sample batches or by other methods consistent with the intended use of the product and by procedures that comply with the appropriate Quality System requirements, and ISO Guide 35.

7. **Stability Assessment:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label. To ensure a uniform solution, mix the contents of the sealed container thoroughly prior to use. Care should be taken not to contaminate the contents of the original container.

8. **Analytical Quality Control:** Products are tested by validated analytical methods specified in the manufacturer's quality system.

9. **Uncertainty Statistics and Confidence Limits:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide (Quantifying Uncertainty in Analytical Measurement). We have evaluated both Type A (based on a series of observations) and Type B (manufacturers specifications and calibration data) factors and report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula: $u_m = \sqrt{(u(P))^2 + (u(m))^2 + (u(V))^2}$. The expanded uncertainty, U, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level. Laboratories accredited to ISO/IEC 17025 and ISO Guide 34 are required to estimate uncertainty budgets associated with the measurements they make. However, for analysis, the certified value should be used as the actual value.

10. **Warranties:** The manufacturer warrants that its products shall conform to the description of such products as provided in its catalog or on the specific product label. This warranty is exclusive, and the manufacturer makes no other warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.

11. **Legal Notice and Limit of Liability:** This product is for routine laboratory analysis and research purposes only. Due to the hazardous nature, only trained personnel should handle this product. The company's liability will be limited to replacement of product or refund of purchase price. Notice of claims must be made within thirty (30) days from date of delivery.

Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)		WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ACENAPHTHENE	83-32-9	99.9		1000	+/-	5.0	LB82590
ACENAPHTHYLENE	208-96-8	99.9		1000	+/-	5.0	LB84923
ACETOPHENONE	98-86-2	99.2		1001	+/-	5.0	LB61700
ANILINE	62-53-3	99.9		1000	+/-	5.0	LA41596
ANTHRACENE	120-12-7	99.5		1000	+/-	5.0	LB77576
ATRAZINE	1912-24-9	99.9		1000	+/-	5.0	LB77962
AZOBENZENE	103-33-3	99.9		1000	+/-	5.0	LB83060
BENZALDEHYDE	100-52-7	99.9		999	+/-	5.0	LB82946
BENZIDINE	92-87-5	99.9		1000	+/-	5.0	LB83682
BENZO (A) ANTHRACENE	56-55-3	99.4	(a)	1000	+/-	5.0	LB78146
BENZO (A) PYRENE	50-32-8	99.9	(a)	1000	+/-	5.0	LB79478
BENZO (B) FLUORANTHENE	205-99-2	99.9		1000	+/-	5.0	LB77269
BENZO (G,H,I) PERYLENE	191-24-2	99.6		1000	+/-	5.0	LB62550
BENZO (K) FLUORANTHENE	207-08-9	99.9		1000	+/-	5.0	LB84765
BENZOIC ACID	65-85-0	99.9		2001	+/-	10.0	LA84486
BENZYL ALCOHOL	100-51-6	99.9		1001	+/-	5.0	LB48374
BENZYL BUTYL PHTHALATE	85-68-7	98.6		1000	+/-	5.0	LB60340
BIPHENYL	92-52-4	99.9		1002	+/-	5.0	LB30457
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.5		1000	+/-	5.0	LB71304

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

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SUPELCO® Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
BIS (2-CHLOROETHYL) ETHER	111-44-4	99.9	1000	+/-	5.0	LB33319
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	97.4	1000	+/-	5.0	LB84548
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	+/-	5.0	LB58359
CAPROLACTAM	105-60-2	99.9	1000	+/-	5.0	LB34145
CARBAZOLE	86-74-8	99.9	1000	+/-	5.0	LB60643
CHRYSENE	218-01-9	98.4	1000	+/-	5.0	LB85109
DI-N-BUTYL PHTHALATE	84-74-2	99.5	1000	+/-	5.0	LB64921
DI-N-OCTYL PHTHALATE	117-84-0	99.9	1000	+/-	5.0	LB83131
DIBENZ (A,H) ANTHRACENE	53-70-3	99.9	1000	+/-	5.0	LB87229
DIBENZOFURAN	132-64-9	98.9	1000	+/-	5.0	LB78814
DIETHYL PHTHALATE	84-66-2	99.2	1000	+/-	5.0	LB60384
DIMETHYL PHTHALATE	131-11-3	99.9	1000	+/-	5.0	LB30494
FLUORANTHENE	206-44-0	99.5	1000	+/-	5.0	LB36331
FLUORENE	86-73-7	98.5	1000	+/-	5.0	LB82164
HEXACHLOROBENZENE	118-74-1	99.9	1000	+/-	5.0	LB87401
HEXACHLOROBUTADIENE	87-68-3	96.2	1000	+/-	5.0	LB67777
HEXACHLOROCYCLOPENTADIENE	77-47-4	97.2	1000	+/-	5.0	LB84590
HEXACHLOROETHANE	67-72-1	99.9	1000	+/-	5.0	LB29072
INDENO (1,2,3-CD) PYRENE	193-39-5	99.7	1000	+/-	5.0	LB87713

(1) Listed in alphabetical order.

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a) HPLC UV-254NM

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METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
ISOPHORONE	78-59-1	99.1	1000 +/- 5.0	LB45460
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000 +/- 5.0	LB79763
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000 +/- 5.0	LB83854
N-NITROSODIPHENYLAMINE	86-30-6	98.6	1001 +/- 5.0	LB17295
N-NITROSOPYRROLIDINE	930-55-2	99.9	1001 +/- 5.0	LB78816
NAPHTHALENE	91-20-3	99.9	1000 +/- 5.0	LB77841
NITROBENZENE	98-95-3	99.9	1000 +/- 5.0	LB47070
PENTACHLOROPHENOL	87-86-5	99.9	2000 +/- 10.0	LB75554
PHENANTHRENE	85-01-8	99.1	1000 +/- 5.0	LB68872
PHENOL	108-95-2	99.9	1002 +/- 5.0	LB57703
PYRENE	129-00-0	97.5	1000 +/- 5.0	LB70761
1,2-DICHLOROBENZENE	95-50-1	99.9	1000 +/- 5.0	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	99.5	1000 +/- 5.0	LB48083
1,2,4,5-TETRACHLOROBENZENE	95-94-3	99.9	1000 +/- 5.0	LB61817
1,3-DICHLOROBENZENE	541-73-1	99.9	1000 +/- 5.0	LB68066
1,4-DICHLOROBENZENE	106-46-7	99.9	1000 +/- 5.0	LB69983
1,4-DIOXANE	123-91-1	99.9	1002 +/- 5.0	LB82982
2-CHLORONAPHTHALENE	91-58-7	99.4	1000 +/- 5.0	LB48170
2-CHLOROPHENOL	95-57-8	99.6	999 +/- 5.0	LB83266

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1001 +/- 5.0	LB31592
2-METHYLNAPHTHALENE	91-57-6	98.3	1000 +/- 5.0	LB44448
2-METHYLPHENOL	95-48-7	99.8	1000 +/- 5.0	LB30223
2-NITROANILINE	88-74-4	99.9	1000 +/- 5.0	LB49936
2-NITROPHENOL	88-75-5	99.9	1000 +/- 5.0	LB44736
2,3,4,6-TETRACHLOROPHENOL	58-90-2	98.4	1000 +/- 5.0	LB75078
2,4-DICHLOROPHENOL	120-83-2	98.8	1002 +/- 5.0	LB76837
2,4-DIMETHYLPHENOL	105-67-9	99.9	1000 +/- 5.0	LB88935
2,4-DINITROPHENOL	51-28-5	98.6	2003 +/- 10.0	LB28389
2,4-DINITROTOLUENE	121-14-2	96.0	1000 +/- 5.0	LB46632
2,4,5-TRICHLOROPHENOL	95-95-4	99.9	1000 +/- 5.0	LB35288
2,4,6-TRICHLOROPHENOL	88-06-2	99.9	1000 +/- 5.0	LB65559
2,6-DICHLOROPHENOL	87-65-0	99.9	1002 +/- 5.0	LB03525
2,6-DINITROTOLUENE	606-20-2	99.9	1000 +/- 5.0	LB79891
3-NITROANILINE	99-09-2	99.9	1000 +/- 5.0	LB73829
3,3-DICHLOROBENZIDINE	91-94-1	99.4	1000 +/- 5.0	LB68654
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.8	1000 +/- 5.0	LB63786
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000 +/- 5.0	LB83265
4-CHLOROANILINE	106-47-8	99.9	1000 +/- 5.0	LB82916

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a) HPLC UV-254NM

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
4-CHLOROPHENYLPHENYL ETHER	7005-72-3	99.9	1000 +/- 5.0	LB72185
4-METHYLPHENOL	106-44-5	99.9	1000 +/- 5.0	LB32518
4-NITROANILINE	100-01-6	99.9	1000 +/- 5.0	LB42566
4-NITROPHENOL	100-02-7	99.9	1001 +/- 5.0	LB83255

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ACENAPHTHENE	83-32-9	99.9		1000	+/-	5.0	LB82590
ACENAPHTHYLENE	208-96-8	99.9		1000	+/-	5.0	LB84923
ACETOPHENONE	98-86-2	99.2		1001	+/-	5.0	LB61700
ANILINE	62-53-3	99.9		1000	+/-	5.0	LA41596
ANTHRACENE	120-12-7	99.5		1000	+/-	5.0	LB77576
ATRAZINE	1912-24-9	99.9		1000	+/-	5.0	LB77962
AZOBENZENE	103-33-3	99.9		1000	+/-	5.0	LB83060
BENZALDEHYDE	100-52-7	99.9		999	+/-	5.0	LB82946
BENZIDINE	92-87-5	99.9		1000	+/-	5.0	LB83682
BENZO (A) ANTHRACENE	56-55-3	99.4	(a)	1000	+/-	5.0	LB78146
BENZO (A) PYRENE	50-32-8	99.9	(a)	1000	+/-	5.0	LB79478
BENZO (B) FLUORANTHENE	205-99-2	99.9		1000	+/-	5.0	LB77269
BENZO (G,H,I) PERYLENE	191-24-2	99.6		1000	+/-	5.0	LB62550
BENZO (K) FLUORANTHENE	207-08-9	99.9		1000	+/-	5.0	LB84765
BENZOIC ACID	65-85-0	99.9		2001	+/-	10.0	LA84486
BENZYL ALCOHOL	100-51-6	99.9		1001	+/-	5.0	LB48374
BENZYL BUTYL PHTHALATE	85-68-7	98.6		1000	+/-	5.0	LB60340
BIPHENYL	92-52-4	99.9		1002	+/-	5.0	LB30457
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.5		1000	+/-	5.0	LB71304

(1) Listed in alphabetical order.

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a) HPLC UV-254NM

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
BIS (2-CHLOROETHYL) ETHER	111-44-4	99.9	1000	+/-	5.0	LB33319
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	97.4	1000	+/-	5.0	LB84548
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	+/-	5.0	LB58359
CAPROLACTAM	105-60-2	99.9	1000	+/-	5.0	LB34145
CARBAZOLE	86-74-8	99.9	1000	+/-	5.0	LB60643
CHRYSENE	218-01-9	98.4	1000	+/-	5.0	LB85109
DI-N-BUTYL PHTHALATE	84-74-2	99.5	1000	+/-	5.0	LB64921
DI-N-OCTYL PHTHALATE	117-84-0	99.9	1000	+/-	5.0	LB83131
DIBENZ (A,H) ANTHRACENE	53-70-3	99.9	1000	+/-	5.0	LB87229
DIBENZOFURAN	132-64-9	98.9	1000	+/-	5.0	LB78814
DIETHYL PHTHALATE	84-66-2	99.2	1000	+/-	5.0	LB60384
DIMETHYL PHTHALATE	131-11-3	99.9	1000	+/-	5.0	LB30494
FLUORANTHENE	206-44-0	99.5	1000	+/-	5.0	LB36331
FLUORENE	86-73-7	98.5	1000	+/-	5.0	LB82164
HEXACHLOROBENZENE	118-74-1	99.9	1000	+/-	5.0	LB87401
HEXACHLOROBUTADIENE	87-68-3	96.2	1000	+/-	5.0	LB67777
HEXACHLOROCYCLOPENTADIENE	77-47-4	97.2	1000	+/-	5.0	LB84590
HEXACHLOROETHANE	67-72-1	99.9	1000	+/-	5.0	LB29072
INDENO (1,2,3-CD) PYRENE	193-39-5	99.7	1000	+/-	5.0	LB87713

(1) Listed in alphabetical order.

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a) HPLC UV-254NM

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SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ISOPHORONE	78-59-1	99.1	1000	+/-	5.0	LB45460
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000	+/-	5.0	LB79763
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000	+/-	5.0	LB83854
N-NITROSODIPHENYLAMINE	86-30-6	98.6	1001	+/-	5.0	LB17295
N-NITROSOPYRROLIDINE	930-55-2	99.9	1001	+/-	5.0	LB78816
NAPHTHALENE	91-20-3	99.9	1000	+/-	5.0	LB77841
NITROBENZENE	98-95-3	99.9	1000	+/-	5.0	LB47070
PENTACHLOROPHENOL	87-86-5	99.9	2000	+/-	10.0	LB75554
PHENANTHRENE	85-01-8	99.1	1000	+/-	5.0	LB68872
PHENOL	108-95-2	99.9	1002	+/-	5.0	LB57703
PYRENE	129-00-0	97.5	1000	+/-	5.0	LB70761
1,2-DICHLOROBENZENE	95-50-1	99.9	1000	+/-	5.0	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	99.5	1000	+/-	5.0	LB48083
1,2,4,5-TETRACHLOROBENZENE	95-94-3	99.9	1000	+/-	5.0	LB61817
1,3-DICHLOROBENZENE	541-73-1	99.9	1000	+/-	5.0	LB68066
1,4-DICHLOROBENZENE	106-46-7	99.9	1000	+/-	5.0	LB69983
1,4-DIOXANE	123-91-1	99.9	1002	+/-	5.0	LB82982
2-CHLORONAPHTHALENE	91-58-7	99.4	1000	+/-	5.0	LB48170
2-CHLOROPHENOL	95-57-8	99.6	999	+/-	5.0	LB83266

(1) Listed in alphabetical order.

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a) HPLC UV-254NM

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1001 +/- 5.0	LB31592
2-METHYLNAPHTHALENE	91-57-6	98.3	1000 +/- 5.0	LB44448
2-METHYLPHENOL	95-48-7	99.8	1000 +/- 5.0	LB30223
2-NITROANILINE	88-74-4	99.9	1000 +/- 5.0	LB49936
2-NITROPHENOL	88-75-5	99.9	1000 +/- 5.0	LB44736
2,3,4,6-TETRACHLOROPHENOL	58-90-2	98.4	1000 +/- 5.0	LB75078
2,4-DICHLOROPHENOL	120-83-2	98.8	1002 +/- 5.0	LB76837
2,4-DIMETHYLPHENOL	105-67-9	99.9	1000 +/- 5.0	LB88935
2,4-DINITROPHENOL	51-28-5	98.6	2003 +/- 10.0	LB28389
2,4-DINITROTOLUENE	121-14-2	96.0	1000 +/- 5.0	LB46632
2,4,5-TRICHLOROPHENOL	95-95-4	99.9	1000 +/- 5.0	LB35288
2,4,6-TRICHLOROPHENOL	88-06-2	99.9	1000 +/- 5.0	LB65559
2,6-DICHLOROPHENOL	87-65-0	99.9	1002 +/- 5.0	LB03525
2,6-DINITROTOLUENE	606-20-2	99.9	1000 +/- 5.0	LB79891
3-NITROANILINE	99-09-2	99.9	1000 +/- 5.0	LB73829
3,3-DICHLOROBENZIDINE	91-94-1	99.4	1000 +/- 5.0	LB68654
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.8	1000 +/- 5.0	LB63786
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000 +/- 5.0	LB83265
4-CHLOROANILINE	106-47-8	99.9	1000 +/- 5.0	LB82916

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
4-CHLOROPHENYLPHENYL ETHER	7005-72-3	99.9	1000 +/- 5.0	LB72185
4-METHYLPHENOL	106-44-5	99.9	1000 +/- 5.0	LB32518
4-NITROANILINE	100-01-6	99.9	1000 +/- 5.0	LB42566
4-NITROPHENOL	100-02-7	99.9	1001 +/- 5.0	LB83255

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ACENAPHTHENE	83-32-9	99.9		1000	+/-	5.0	LB82590
ACENAPHTHYLENE	208-96-8	99.9		1000	+/-	5.0	LB84923
ACETOPHENONE	98-86-2	99.2		1001	+/-	5.0	LB61700
ANILINE	62-53-3	99.9		1000	+/-	5.0	LA41596
ANTHRACENE	120-12-7	99.5		1000	+/-	5.0	LB77576
ATRAZINE	1912-24-9	99.9		1000	+/-	5.0	LB77962
AZOBENZENE	103-33-3	99.9		1000	+/-	5.0	LB83060
BENZALDEHYDE	100-52-7	99.9		999	+/-	5.0	LB82946
BENZIDINE	92-87-5	99.9		1000	+/-	5.0	LB83682
BENZO (A) ANTHRACENE	56-55-3	99.4	(a)	1000	+/-	5.0	LB78146
BENZO (A) PYRENE	50-32-8	99.9	(a)	1000	+/-	5.0	LB79478
BENZO (B) FLUORANTHENE	205-99-2	99.9		1000	+/-	5.0	LB77269
BENZO (G,H,I) PERYLENE	191-24-2	99.6		1000	+/-	5.0	LB62550
BENZO (K) FLUORANTHENE	207-08-9	99.9		1000	+/-	5.0	LB84765
BENZOIC ACID	65-85-0	99.9		2001	+/-	10.0	LA84486
BENZYL ALCOHOL	100-51-6	99.9		1001	+/-	5.0	LB48374
BENZYL BUTYL PHTHALATE	85-68-7	98.6		1000	+/-	5.0	LB60340
BIPHENYL	92-52-4	99.9		1002	+/-	5.0	LB30457
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.5		1000	+/-	5.0	LB71304

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO® Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
BIS (2-CHLOROETHYL) ETHER	111-44-4	99.9	1000	+/-	5.0	LB33319
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	97.4	1000	+/-	5.0	LB84548
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	+/-	5.0	LB58359
CAPROLACTAM	105-60-2	99.9	1000	+/-	5.0	LB34145
CARBAZOLE	86-74-8	99.9	1000	+/-	5.0	LB60643
CHRYSENE	218-01-9	98.4	1000	+/-	5.0	LB85109
DI-N-BUTYL PHTHALATE	84-74-2	99.5	1000	+/-	5.0	LB64921
DI-N-OCTYL PHTHALATE	117-84-0	99.9	1000	+/-	5.0	LB83131
DIBENZ (A,H) ANTHRACENE	53-70-3	99.9	1000	+/-	5.0	LB87229
DIBENZOFURAN	132-64-9	98.9	1000	+/-	5.0	LB78814
DIETHYL PHTHALATE	84-66-2	99.2	1000	+/-	5.0	LB60384
DIMETHYL PHTHALATE	131-11-3	99.9	1000	+/-	5.0	LB30494
FLUORANTHENE	206-44-0	99.5	1000	+/-	5.0	LB36331
FLUORENE	86-73-7	98.5	1000	+/-	5.0	LB82164
HEXACHLOROBENZENE	118-74-1	99.9	1000	+/-	5.0	LB87401
HEXACHLOROBUTADIENE	87-68-3	96.2	1000	+/-	5.0	LB67777
HEXACHLOROCYCLOPENTADIENE	77-47-4	97.2	1000	+/-	5.0	LB84590
HEXACHLOROETHANE	67-72-1	99.9	1000	+/-	5.0	LB29072
INDENO (1,2,3-CD) PYRENE	193-39-5	99.7	1000	+/-	5.0	LB87713

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

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SUPELCO® Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ISOPHORONE	78-59-1	99.1	1000	+/-	5.0	LB45460
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000	+/-	5.0	LB79763
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000	+/-	5.0	LB83854
N-NITROSODIPHENYLAMINE	86-30-6	98.6	1001	+/-	5.0	LB17295
N-NITROSOPYRROLIDINE	930-55-2	99.9	1001	+/-	5.0	LB78816
NAPHTHALENE	91-20-3	99.9	1000	+/-	5.0	LB77841
NITROBENZENE	98-95-3	99.9	1000	+/-	5.0	LB47070
PENTACHLOROPHENOL	87-86-5	99.9	2000	+/-	10.0	LB75554
PHENANTHRENE	85-01-8	99.1	1000	+/-	5.0	LB68872
PHENOL	108-95-2	99.9	1002	+/-	5.0	LB57703
PYRENE	129-00-0	97.5	1000	+/-	5.0	LB70761
1,2-DICHLOROBENZENE	95-50-1	99.9	1000	+/-	5.0	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	99.5	1000	+/-	5.0	LB48083
1,2,4,5-TETRACHLOROBENZENE	95-94-3	99.9	1000	+/-	5.0	LB61817
1,3-DICHLOROBENZENE	541-73-1	99.9	1000	+/-	5.0	LB68066
1,4-DICHLOROBENZENE	106-46-7	99.9	1000	+/-	5.0	LB69983
1,4-DIOXANE	123-91-1	99.9	1002	+/-	5.0	LB82982
2-CHLORONAPHTHALENE	91-58-7	99.4	1000	+/-	5.0	LB48170
2-CHLOROPHENOL	95-57-8	99.6	999	+/-	5.0	LB83266

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

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SUPELCO® Analytical
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Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1001 +/- 5.0	LB31592
2-METHYLNAPHTHALENE	91-57-6	98.3	1000 +/- 5.0	LB44448
2-METHYLPHENOL	95-48-7	99.8	1000 +/- 5.0	LB30223
2-NITROANILINE	88-74-4	99.9	1000 +/- 5.0	LB49936
2-NITROPHENOL	88-75-5	99.9	1000 +/- 5.0	LB44736
2,3,4,6-TETRACHLOROPHENOL	58-90-2	98.4	1000 +/- 5.0	LB75078
2,4-DICHLOROPHENOL	120-83-2	98.8	1002 +/- 5.0	LB76837
2,4-DIMETHYLPHENOL	105-67-9	99.9	1000 +/- 5.0	LB88935
2,4-DINITROPHENOL	51-28-5	98.6	2003 +/- 10.0	LB28389
2,4-DINITROTOLUENE	121-14-2	96.0	1000 +/- 5.0	LB46632
2,4,5-TRICHLOROPHENOL	95-95-4	99.9	1000 +/- 5.0	LB35288
2,4,6-TRICHLOROPHENOL	88-06-2	99.9	1000 +/- 5.0	LB65559
2,6-DICHLOROPHENOL	87-65-0	99.9	1002 +/- 5.0	LB03525
2,6-DINITROTOLUENE	606-20-2	99.9	1000 +/- 5.0	LB79891
3-NITROANILINE	99-09-2	99.9	1000 +/- 5.0	LB73829
3,3-DICHLOROBENZIDINE	91-94-1	99.4	1000 +/- 5.0	LB68654
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.8	1000 +/- 5.0	LB63786
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000 +/- 5.0	LB83265
4-CHLOROANILINE	106-47-8	99.9	1000 +/- 5.0	LB82916

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

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SUPELCO® Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
4-CHLOROPHENYLPHENYL ETHER	7005-72-3	99.9	1000 +/- 5.0	LB72185
4-METHYLPHENOL	106-44-5	99.9	1000 +/- 5.0	LB32518
4-NITROANILINE	100-01-6	99.9	1000 +/- 5.0	LB42566
4-NITROPHENOL	100-02-7	99.9	1001 +/- 5.0	LB83255

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

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Certificate of Analysis

Semi-Volatiles Internal Standard Mixture

Product Number: US-108N **Page:** 1 of 1

Lot Number: CH-1761 **Lot Issue Date:** 02-Jun-2011 **Expiration Date:** 30-Jun-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acenaphthene-d10	015067-26-2	RM01458/PR-19991	4013 ± 20 µg/mL
chrysene-d12	001719-03-5	RM01460/Z421P15	4013 ± 20 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM01700/PR-12866	4013 ± 20 µg/mL
naphthalene-d8	001146-65-2	RM01459/PR-19724	4013 ± 20 µg/mL
perylene-d12	001520-96-3	RM01461/P199BP2	4014 ± 20 µg/mL
phenanthrene-d10	001517-22-2	RM01462/PR-19222	4013 ± 20 µg/mL

Matrix: methylene chloride (dichloromethane)

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0861-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-100.

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
www.ultrasci.com

William J. Leary
Quality Assurance Manager

Semi-Volatiles Internal Standard Mixture

Print Components

Component Information for US-108N

Analyte	Concentration
acenaphthene-d10	4000 µg/mL
chrysene-d12	4000 µg/mL
1,4-dichlorobenzene-d4	4000 µg/mL
naphthalene-d8	4000 µg/mL
perylene-d12	4000 µg/mL
phenanthrene-d10	4000 µg/mL

Matrix Details

Matrix	methylene chloride (dichloromethane)

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SMIS_00004

US-108N
Lot: CH-1761
Exp: 06/30/2014
ULTRA
1 mL
Semi-Volatiles Internal Standard Mixture
6 analyte(s) at 4000 µg/mL in dichloromethane
For Lab Use Only
250 Smith St, No Kingstown, RI 02852 USA

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

CATALOG NO: AK-101.0-GCS-BTEX
DESCRIPTION: Gasoline Calibration Standard
LOT: B5040009
SOLVENT: Methanol

EXPIRATION: Apr 5 , 2015
DATE CERTIFIED: Apr 5, 2005
SAMPLE SIZE: disc.
STORAGE CONDITION: Ambient
HAZARDS: HIGHLY FLAMMABLE

Refer to the MSDS for additional safety information

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	Cas Number	Purity % (GC/FID)	Prepared Concentration[1] %w/v	Certified Analyte Concentration[2] %w/v
Benzene	71-43-2	0.006	0.008	.000
Toluene	108-88-3	0.027	0.034	.000
Ethylbenzene	100-41-4	0.006	0.008	.000
m+p-Xylene	N/A	0.023	0.029	.000
o-Xylene	95-47-6	0.009	0.012	.000

5 Components

Premium, Regular leaded, and Regular unleaded gasoline mix. The BTEX concentrations were determined analytically.

1. All weights are traceable through NIST, Test No. 822/254480
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±6%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

Certified by: R. Cooper
Russ Cooper, QC Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Reid 7/6/12

BTEX in Gasoline

Product Number: BTX-3000 **Page:** 1 of 1

Lot Number: S-0681W **Lot Issue Date:** Sep-2010 **Expiration Date:** Oct-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
tert-butylmethyl ether	001634-04-4	100	108511 ± 543 µg/mL
benzene	000071-43-2	100	5456 ± 27 µg/mL
toluene	000108-88-3	100	23472 ± 117 µg/mL
ethylbenzene	000100-41-4	100	7802 ± 39 µg/mL
o-xylene	000095-47-6	100	9803 ± 49 µg/mL
m/p-xylenes	001330-20-7	100	23364 ± 117 µg/mL
isopropylbenzene	000098-82-8	100	830.1 ± 4.2 µg/mL
naphthalene	000091-20-3	100	1904 ± 10 µg/mL

Matrix: gasoline

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED

ISO 17025:2005
Accredited
A2LA
Cert. No. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
www.ultrasci.com

William J. Leary
Quality Assurance Manager

3/15/11
TS

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 30006 **Lot No.:** A076449

Description : VOA Calibration Mix #1

Expiration Date[1]**:** November 2013 **Storage:** Freezer

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Acetone	67-64-1	99%	5,000.000 ug/ml	+/-0.58 %
2	2-Butanone (MEK)	78-93-3	99%	5,000.000 ug/ml	+/-0.58 %
3	4-Methyl-2-pentanone (MIBK)	108-10-1	99%	5,000.000 ug/ml	+/-0.58 %
4	2-Hexanone	591-78-6	99%	5,000.000 ug/ml	+/-0.58 %
Solvent:	P&T Methanol/Water (90:10)	67-56-1/7732-18-5	99%		

Column:
105m x .53mm x 3.0um
Rtx-502.2 (cat.#10910)

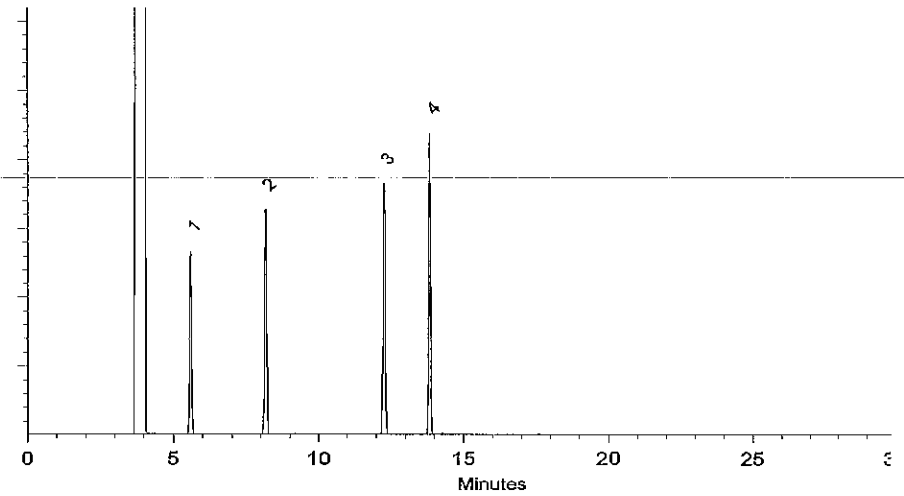
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



Sara Eyster QA Analyst **Date Passed:** 25-Aug-2010 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Certificate of Analysis

8/23/12 TS

DESCRIPTION: Volatile Organic Compounds Mix 6

CATALOG NO.: 48799-U MFG DATE: Mar-2012

LOT NO.: LB91213 EXPIRATION DATE: Jun-2013

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
BROMOMETHANE	74-83-9	99.9 (a)	2000	2041	+/-	35.1	LB68220
CHLOROETHANE	75-00-3	99.9 (a)	2000	2079	+/-	46.9	LB55667
CHLOROMETHANE	74-87-3	99.9	2000	2116	+/-	61.9	LB64986
DICHLORODIFLUOROMETHANE	75-71-8	99.9 (a)	2000	2044	+/-	88.1	LB68837
TRICHLOROFLUOROMETHANE	75-69-4	99.9 (a)	2000	2088	+/-	44.9	LA91320
VINYL CHLORIDE	75-01-4	99.9 (a)	2000	2141	+/-	45.7	LB89571

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) GC; detector HALL

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

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SUPELCO Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

11/23/11
FS

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 556005 **Lot No.:** A085142

Description : Custom Volatiles Mix 2

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2013 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	97%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	1,1-dichloroethene	75-35-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
3	Methyl acetate	79-20-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Carbon disulfide	75-15-0	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
5	Methylene chloride (dichloromethane)	75-09-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
6	Methyl-tert-butyl ether (MTBE)	1634-04-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
7	cis-1,2-Dichloroethene	156-59-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	n-Hexane (C6)	110-54-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloroethane	75-34-3	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
10	trans-1,2-Dichloroethene	156-60-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
11	chloroform	67-66-3	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
12	1,1,1-trichloroethane	71-55-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
13	Cyclohexane	110-82-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	carbon tetrachloride	56-23-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
15	1,2-Dichloroethane	107-06-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
16	Benzene	71-43-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	Trichloroethene	79-01-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
18	Methylcyclohexane	108-87-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
19	1,2-Dichloropropane	78-87-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
20	bromodichloromethane	75-27-4	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
21	cis-1,3-Dichloropropene	10061-01-5	97%	2,500.0 ug/mL	+/- 17.8401 ug/mL
22	Toluene	108-88-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	trans-1,3-Dichloropropene	10061-02-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
24	1,1,2-Trichloroethane	79-00-5	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
25	Tetrachloroethene	127-18-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
26	dibromochloromethane	124-48-1	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
27	1,2-Dibromoethane (EDB)	106-93-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	Chlorobenzene	108-90-7	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
29	Ethylbenzene	100-41-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
30	m-Xylene	108-38-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
31	p-Xylene	106-42-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
32	o-Xylene	95-47-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
33	Styrene	100-42-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL

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Catalog No. : 563136 **Lot No.:** A085140

Description : Custom Revised Supplemental Spike Mix

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Diethyl ether (ethyl ether)	60-29-7	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	tert-Butanol (TBA)	75-65-0	99%	50,001.6 ug/mL	+/- 292.755 ug/mL
3	Iodomethane (methyl iodide)	74-88-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Diisopropyl ether (DIPE)	108-20-3	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
5	2,2-Dichloropropane	594-20-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
6	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	125,004.4 ug/mL	+/- 731.89 ug/mL
7	Bromochloromethane	74-97-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	Tetrahydrofuran	109-99-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloropropene	563-58-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
10	Dibromomethane	74-95-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
11	1,3-Dichloropropane	142-28-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
12	1,1,1,2-Tetrachloroethane	630-20-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
13	1,2,3-Trichloropropane	96-18-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	trans-1,4-dichloro-2-butene	110-57-6	98%	5,008.2 ug/mL	+/- 29.3241 ug/mL
15	n-Propylbenzene	103-65-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
16	Bromobenzene	108-86-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	1,3,5-Trimethylbenzene	108-67-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
18	2-Chlorotoluene	95-49-8	99%	2,501.2 ug/mL	+/- 14.6784 ug/mL
19	4-Chlorotoluene	106-43-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
20	tert-Butylbenzene	98-06-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
21	1,2,4-Trimethylbenzene	95-63-6	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
22	sec-Butylbenzene	135-98-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	4-Isopropyltoluene (p-Cymene)	99-87-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
24	1,2,3-Trimethylbenzene	526-73-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
25	n-Butylbenzene	104-51-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
26	Hexachlorobutadiene	87-68-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
27	Naphthalene	91-20-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	1,2,3-Trichlorobenzene	87-61-6	99%	2,500.4 ng/mL	+/- 14.6737 ug/mL

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6/2/12
TS

DESCRIPTION: 8260 Ketones Mix

CATALOG NO.: 861149 MFG DATE: Jun-2011

LOT NO.: LB85301 EXPIRATION DATE: Nov-2013

SOLVENT: METHANOL:WATER (30:70)

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4)	STD DEV	SUPELCO LOT NO
ACETONE	67-64-1	99.9	2000	1891	+/- 75.1	LB60265
CYCLOHEXANONE	108-94-1	99.5	20002	18806	+/- 673.6	LB67851
2-BUTANONE	78-93-3	99.9	2001	1888	+/- 78.2	LB38154
2-HEXANONE	591-78-6	99.9	2001	1877	+/- 70.9	LB57500
4-METHYL-2-PENTANONE	108-10-1	99.9	2001	1910	+/- 71.4	LB80301

VM 861149_ 00015

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

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Product Number: CUS-5013 **Page:** 1 of 1

Lot Number: CJ-3443 **Lot Issue Date:** 13-Sep-2012 **Expiration Date:** 31-Jan-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
vinyl acetate	000108-05-4	RM04478	2507 ± 13 µg/mL
methyl acetate	000079-20-9	NT02091	2505 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 1 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
1,1,2-trichlorotrifluoroethane	000076-13-1	1367777	50.2 ± 0.3 µg/mL
methyl iodide	000074-88-4	13302PC	50.2 ± 0.3 µg/mL
carbon disulfide	000075-15-0	AI-12071LU	50.2 ± 0.3 µg/mL
methylene chloride	000075-09-2	48248	50.2 ± 0.3 µg/mL
tert-butanol	000075-65-0	RM00555-0	1005 ± 5 µg/mL
1,1-dichloroethene	000075-35-4	02226CH	50.2 ± 0.3 µg/mL
1,1-dichloroethane	000075-34-3	64552/1	50.2 ± 0.3 µg/mL
trans-1,2-dichloroethene	000156-60-5	01306HD	50.2 ± 0.3 µg/mL
MTBE	001634-04-4	45123	50.2 ± 0.3 µg/mL
n-hexane	000110-54-3	4120791	50.2 ± 0.3 µg/mL
cis-1,2-dichloroethene	000156-59-2	MKBB9714	50.2 ± 0.3 µg/mL
tetrahydrofuran	000109-99-9	04928DN	50.2 ± 0.3 µg/mL
chloroform	000067-66-3	05143MN	50.2 ± 0.3 µg/mL
1,2-dichloroethane	000107-06-2	KN-09446KN	50.2 ± 0.3 µg/mL
dibromomethane	000074-95-3	EM-01514TJ	50.2 ± 0.3 µg/mL
1,4-dioxane	000123-91-1	RM02104-01	2501 ± 13 µg/mL
1,1,1-trichloroethane	000071-55-6	LU-13149TR	50.2 ± 0.3 µg/mL
carbon tetrachloride	000056-23-5	01704MF	50.2 ± 0.3 µg/mL
bromodichloromethane	000075-27-4	10529HD	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 2 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

1,2-dichloropropane	000078-87-5	DC-120777	50.2 ± 0.3 µg/mL
cis-1,3-dichloropropene	010061-01-5	PR-110509-01	50.2 ± 0.3 µg/mL
trichloroethene	000079-01-6	KN-08846KN	50.2 ± 0.3 µg/mL
dibromochloromethane	000124-48-1	MU-07705AN	50.2 ± 0.3 µg/mL
1,2-dibromoethane	000106-93-4	TB-101777	50.2 ± 0.3 µg/mL
1,2,3-trichloropropane	000096-18-4	01610KH	50.2 ± 0.3 µg/mL
1,1,2-trichloroethane	000079-00-5	JB-0701HH	50.2 ± 0.3 µg/mL
benzene	000071-43-2	34097	50.2 ± 0.3 µg/mL
ethyl methacrylate	000097-63-2	04004EH	50.2 ± 0.3 µg/mL
trans-1,3-dichloropropene	010061-02-6	SR101007-01	50.2 ± 0.3 µg/mL
bromoform	000075-25-2	12312KC	50.2 ± 0.3 µg/mL
tetrachloroethene	000127-18-4	PS-00344BR	50.2 ± 0.3 µg/mL
toluene	000108-88-3	47144	50.2 ± 0.3 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	10917TB	50.2 ± 0.3 µg/mL
chlorobenzene	000108-90-7	07774MG	50.2 ± 0.3 µg/mL
ethylbenzene	000100-41-4	01558CC	50.2 ± 0.3 µg/mL
styrene	000100-42-5	LR-11228MQ	50.2 ± 0.3 µg/mL
trans-1,4-dichloro-2-butene	000110-57-6	17013BH	50.2 ± 0.3 µg/mL
m-xylene	000108-38-3	DI-00459CI	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 3 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

p-xylene	000106-42-3	03747LN	50.2 ± 0.3 µg/mL
o-xylene	000095-47-6	DO-06834CO	50.2 ± 0.3 µg/mL
1,3-dichlorobenzene	000541-73-1	JN-05902LZ	50.2 ± 0.3 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	50.2 ± 0.3 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	50.2 ± 0.3 µg/mL
bromochloromethane	000074-97-5	JS-16015HS	50.2 ± 0.3 µg/mL
bromobenzene	000108-86-1	CG-02513MF	50.2 ± 0.3 µg/mL
isopropylbenzene	000098-82-8	02827BH	50.2 ± 0.3 µg/mL
n-propylbenzene	000103-65-1	LO-14503MR	50.2 ± 0.3 µg/mL
n-butylbenzene	000104-51-8	AA-28519CO	50.2 ± 0.3 µg/mL
sec-butylbenzene	000135-98-8	07610JE	50.2 ± 0.3 µg/mL
tert-butylbenzene	000098-06-6	MQ-04010MQ	50.2 ± 0.3 µg/mL
1,2,4-trimethylbenzene	000095-63-6	BO-13528BI	50.2 ± 0.3 µg/mL
1,3,5-trimethylbenzene	000108-67-8	KM-02011HM	50.2 ± 0.3 µg/mL
1,2,3-trichlorobenzene	000087-61-6	12912PF	50.2 ± 0.3 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	50.2 ± 0.3 µg/mL
1,1-dichloropropene	000563-58-6	PR-11130-8	50.2 ± 0.3 µg/mL
1,3-dichloropropane	000142-28-9	PR-17916MR	50.2 ± 0.3 µg/mL
2,2-dichloropropane	000594-20-7	03503TD	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 4 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

2-chlorotoluene	000095-49-8	KZ-03621HX	50.2 ± 0.3 µg/mL
4-chlorotoluene	000106-43-4	03327TH	50.2 ± 0.3 µg/mL
4-isopropyltoluene	000099-87-6	PP-05104CP	50.2 ± 0.3 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	FBL-01	50.2 ± 0.3 µg/mL
hexachlorobutadiene	000087-68-3	339923/1	50.1 ± 0.3 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	10312DD	50.2 ± 0.3 µg/mL
naphthalene	000091-20-3	14205KB	50.2 ± 0.3 µg/mL
methyl acetate	000079-20-9	16318HA	50.2 ± 0.3 µg/mL
methylcyclohexane	000108-87-2	02348HD	50.2 ± 0.3 µg/mL
cyclohexane	000110-82-7	46184	50.2 ± 0.3 µg/mL
1,3,5-trichlorobenzene	000108-70-3	HW-00718EV	50.2 ± 0.3 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Custom Standard

Product Number: CUS-8125 **Page:** 1 of 1

Lot Number: CG-3334 **Lot Issue Date:** Sep-2010 **Expiration Date:** Oct-2012

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	01127CO	25046 ± 125 µg/mL
dibromofluoromethane	001868-53-7	RM01021	25120 ± 126 µg/mL
1,2-dichloroethane-d4	017060-07-0	9H-136	25058 ± 125 µg/mL
toluene-d8	002037-26-5	E90P1	25096 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-8126 **Page:** 1 of 1

Lot Number: CJ-3237 **Lot Issue Date:** 23-Aug-2012 **Expiration Date:** 30-Sep-2014

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
chlorobenzene-d5	003114-55-4	RM05018	25079 ± 125 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM05021	25046 ± 125 µg/mL
fluorobenzene	000462-06-6	RM03366	25081 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-8634 **Page:** 1 of 1

Lot Number: CJ-3453 **Lot Issue Date:** 13-Sep-2012 **Expiration Date:** 31-Jan-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acrylonitrile	000107-13-1	RM05172	5015 ± 25 µg/mL
acetonitrile	000075-05-8	RM01645	25035 ± 125 µg/mL
acrolein	000107-02-8	RM01532	25058 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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REC'D 5-15-12

VOC Gas Mixture

Product Number: DWM-544 **Page:** 1 of 1

Lot Number: CJ-0858 **Lot Issue Date:** 15-Mar-2012 **Expiration Date:** 30-Apr-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
bromomethane	000074-83-9	06623AQ	2008 ± 10 µg/mL
chloroethane	000075-00-3	00223KG	2009 ± 10 µg/mL
chloromethane	000074-87-3	07-44048	2008 ± 10 µg/mL
dichlorodifluoromethane	000075-71-8	Q96-67	2008 ± 10 µg/mL
trichlorofluoromethane	000075-69-4	DR-16417BR	2006 ± 10 µg/mL
vinyl chloride	000075-01-4	1201FC10	2008 ± 10 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VM DWM544_00011

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TS 6/9/11

2-Chloroethylvinyl Ether Solution

Product Number: EPA-1016 **Page:** 1 of 1

Lot Number: CG-0850 **Lot Issue Date:** Mar-2010 **Expiration Date:** Apr-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
2-chloroethylvinyl ether	000110-75-8	04606CJ	5015 ± 25 µg/mL

Matrix: methanol (methyl alcohol)

VMGPA1016_ 00003

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED

ISO 17025 Accredited A2LA Cert. No. 0851-01

ISO 9001:2000 Registered TUV USA, Inc. Cert. No. 06-1004

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
www.ultrasci.com

William J. Leahy
Quality Assurance Manager

Certificate of Analysis

RCC'D 5-15-12

ULTRA SCIENTIFIC
Analytical Solutions

Internal Standard Mixture

Product Number: STM-520 **Page:** 1 of 1

Lot Number: CH-3660 **Lot Issue Date:** 15-Nov-2011 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
chlorobenzene-d5	003114-55-4	RM01430-01	2503 ± 13 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM01700-06	2500 ± 13 µg/mL
fluorobenzene	000462-06-6	RM03366-01	2513 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VMSTM520_00016

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
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William J. Leary
Quality Assurance Manager

10/10/12
TS

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

Method 8260 Surrogate Standard Mixture

Product Number: STM-530 **Page:** 1 of 1

Lot Number: CJ-1280 **Lot Issue Date:** 17-Apr-2012 **Expiration Date:** 31-May-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	RM03908-	2512 ± 13 µg/mL
dibromofluoromethane	001868-53-7	RM04871-01	2512 ± 13 µg/mL
1,2-dichloroethane-d4	017060-07-0	RM04304-	2512 ± 13 µg/mL
toluene-d8	002037-26-5	RM04138-	2512 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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William J. Leary
Quality Assurance Manager

#350253 3/9/12 RJR

INORGANIC VENTURES™

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fax: 540.585.3012
info@inorganicventures.com

CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-CAL-SPECA-REV

Lot Number: **F2-MEB415031**

Matrix: 3% HNO3(v/v)

2,500 µg/mL ea:
Ca, K, Mg, Na,

1,250 µg/mL ea:
Fe,

25 µg/mL ea:
Al, Mn,

5 µg/mL ea:
Ag, As, Ba, Be, Cd, Co, Cr3, Cu, Ni,
Pb, Se, Sr, Tl, V, Zn

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	25.00 ± 0.18 µg/mL	Arsenic, As	5.000 ± 0.032 µg/mL	Barium, Ba	4.999 ± 0.036 µg/mL
Beryllium, Be	5.002 ± 0.036 µg/mL	Cadmium, Cd	5.000 ± 0.032 µg/mL	Calcium, Ca	2,500 ± 16 µg/mL
Chromium+3, Cr3	5.001 ± 0.032 µg/mL	Cobalt, Co	5.003 ± 0.032 µg/mL	Copper, Cu	5.001 ± 0.032 µg/mL
Iron, Fe	1,250 ± 8 µg/mL	Lead, Pb	5.002 ± 0.032 µg/mL	Magnesium, Mg	2,500 ± 16 µg/mL
Manganese, Mn	25.02 ± 0.15 µg/mL	Nickel, Ni	4.999 ± 0.028 µg/mL	Potassium, K	2,500 ± 16 µg/mL
Selenium, Se	5.002 ± 0.028 µg/mL	Silver, Ag	4.999 ± 0.032 µg/mL	Sodium, Na	2,500 ± 16 µg/mL
Strontium, Sr	5.001 ± 0.032 µg/mL	Thallium, Tl	5.002 ± 0.032 µg/mL	Vanadium, V	4.999 ± 0.032 µg/mL
Zinc, Zn	5.001 ± 0.028 µg/mL				

Certified Density: 1.051 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2 [\Sigma(s_i)^2]^{1/2}$ 2 = the coverage factor.

$[\Sigma(s_i)^2]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212
Al	ICP Assay	3101a	060502
As	Calculated		See Sec. 4.2
Ba	Gravimetric		See Sec. 4.2
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	050825
Cd	ICP Assay	3108	060531
Co	ICP Assay	3113	00630
Cr3	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	011017
Fe	ICP Assay	3126a	051031
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	050302
Mn	ICP Assay	3132	050429
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	000612
Pb	ICP Assay	3128	030721
Se	Calculated		See Sec. 4.2
Sr	ICP Assay	3153a	990906
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	992706
Zn	ICP Assay	3168a	080123

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	Volhard	999b	999b
Al	EDTA	928	928
As	ICP Assay	3103a	010713
Ba	ICP Assay	3104a	070222
Be	ICP Assay	3105a	892707
Ca	EDTA	928	928
Cd	EDTA	928	928
Co	EDTA	928	928
Cr3	ICP Assay	3112a	030730
Cu	EDTA	928	928
Fe	EDTA	928	928
K	ICP Assay	3141a	051220
Mg	EDTA	928	928
Mn	EDTA	928	928
Na	ICP Assay	3152a	010728
Ni	EDTA	928	928
Pb	EDTA	928	928
Se	ICP Assay	3149	992106
Sr	EDTA	928	928
Tl	ICP Assay	3158	993012
V	EDTA	928	928
Zn	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 **ISO 9001 Quality Management System Registration**
- QMI File Number 010105

10.2 **ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"**
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 **ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"**
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 **10CFR50 Appendix B - Nuclear Regulatory Commission**
- Domestic Licensing of Production and Utilization Facilities

10.5 **10CFR21 - Nuclear Regulatory Commission**
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn, Product Documentation Technician

Donna Senn

Certificate Approved By: Brian Alexander, PhD., Quality Control Supervisor

Brian Alexander

Certifying Officer: Paul Gaines, PhD., Senior Technical Director

Paul R Gaines

#350254 3/9/2012 R1R

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-CAL-SPECB

Lot Number: **F2-MEB415032**

Matrix: tr. HF_1 3% HNO3(v/v)

250 µg/mL ea:
Si,

5 µg/mL ea:
B, Mo, Sb, Sn, Ti

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	5.002 ± 0.045 µg/mL	Boron, B	5.000 ± 0.032 µg/mL	Molybdenum, Mo	5.002 ± 0.035 µg/mL
Silicon, Si	250.1 ± 1.2 µg/mL	Tin, Sn	5.002 ± 0.041 µg/mL	Titanium, Ti	5.002 ± 0.039 µg/mL

Certified Density: 1.016 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$ 2 = the coverage factor.

$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	Calculated		See Sec. 4.2	B	ICP Assay	3107	070514
Mo	Calculated		See Sec. 4.2	Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2	Sb	ICP Assay	3102A	061229
Si	Calculated		See Sec. 4.2	Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2	Sn	ICP Assay	3161a	070330
Ti	Calculated		See Sec. 4.2	Ti	ICP Assay	3162a	060808

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.
Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn, Product Documentation Technician

Donna Senn

Certificate Approved By: Brian Alexander, PhD., Quality Control Supervisor

Brian Alexander

Certifying Officer: Paul Gaines, PhD., Senior Technical Director

Paul R Gaines

#350255 3/9/12 RJR

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MSICSAB-1

Lot Number: **F2-MEB415033**

Matrix: 3% HNO3(v/v)

10 µg/mL ea:

Ba, Be, Pb, Sr, Tl, V

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Barium, Ba	10.00 ± 0.07 µg/mL	Beryllium, Be	10.00 ± 0.07 µg/mL	Lead, Pb	10.00 ± 0.06 µg/mL
Strontium, Sr	10.00 ± 0.06 µg/mL	Thallium, Tl	10.00 ± 0.06 µg/mL	Vanadium, V	10.00 ± 0.06 µg/mL

Certified Density: 1.014 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$$

$(\bar{x})$ = mean

x_i = individual results

n = number of measurements

2 = the coverage factor.

$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ba	Gravimetric		See Sec. 4.2	Ba	ICP Assay	3104a	070222
Be	Calculated		See Sec. 4.2	Be	ICP Assay	3105a	892707
Pb	ICP Assay	3128	030721	Pb	EDTA	928	928
Sr	ICP Assay	3153a	990906	Sr	EDTA	928	928
Tl	Calculated		See Sec. 4.2	Tl	ICP Assay	3158	993012
V	ICP Assay	3165	992706	V	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 **ISO 9001 Quality Management System Registration**
- QMI File Number 010105

10.2 **ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"**
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 **ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"**
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 **10CFR50 Appendix B - Nuclear Regulatory Commission**
- Domestic Licensing of Production and Utilization Facilities

10.5 **10CFR21 - Nuclear Regulatory Commission**
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn, Product Documentation Technician

Certificate Approved By: Brian Alexander, PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines, PhD., Senior Technical Director

#350256 3/9/12 RJR

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MSICSAB-2

Lot Number: **E2-MEB361116**

Matrix: tr. HF, 3% HNO3(v/v)

250 µg/mL ea:
Si,

50 µg/mL ea:
Sn,

25 µg/mL ea:
B, Se,

10 µg/mL ea:
Sb

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	10.01 ± 0.05 µg/mL	Boron, B	24.98 ± 0.18 µg/mL	Selenium, Se	25.03 ± 0.33 µg/mL
Silicon, Si	249.8 ± 0.6 µg/mL	Tin, Sn	49.97 ± 0.34 µg/mL		

Certified Density: 1.018 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	070514
Sb	ICP Assay	3102A	061229
Se	ICP Assay	3149	992106
Si	ICP Assay	3150	071204
Sn	ICP Assay	3161a	070330

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Sb	Calculated		See Sec. 4.2
Se	Calculated		See Sec. 4.2
Si	Calculated		See Sec. 4.2
Sn	Calculated		See Sec. 4.2

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep Tightly sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to in-house procedure IV-MPM-004 and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 **ISO 9001 Quality Management System Registration**
- QMI File Number 010105

10.2 **ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"**
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 **ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"**
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 **10CFR50 Appendix B - Nuclear Regulatory Commission**
- Domestic Licensing of Production and Utilization Facilities

10.5 **10CFR21 - Nuclear Regulatory Commission**
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 26, 2011

Expiration Date: EXPIRES 01 APR 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Donna Senn, Product Documentation Technician	Donna Senn
Certificate Approved By:	Madeline Gozzi, Quality Control Supervisor	Madeline Gozzi
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	Paul R Gaines

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CERTIFICATE OF ANALYSIS

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CH 10.15.12

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-ICPMS

Lot Number: **F2-MEB410066**

Matrix: 0.7% HNO3(v/v)

200 µg/mL ea:
Al, Ba,

100 µg/mL ea:
B, Fe, Sr,

50 µg/mL ea:
Co, Mn, Ni, V, Zn,

25 µg/mL ea:
Cu,

20 µg/mL ea:
Cr3,

5 µg/mL ea:
Ag, Be, Cd, Tl,

4 µg/mL ea:
As,

2 µg/mL ea:
Pb,

1 µg/mL ea:
Se

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	200.0 ± 1.4 µg/mL	Arsenic, As	4.000 ± 0.026 µg/mL	Barium, Ba	200.0 ± 1.3 µg/mL
Beryllium, Be	5.000 ± 0.036 µg/mL	Boron, B	100.0 ± 0.7 µg/mL	Cadmium, Cd	5.000 ± 0.032 µg/mL
Chromium+3, Cr3	20.00 ± 0.14 µg/mL	Cobalt, Co	50.00 ± 0.32 µg/mL	Copper, Cu	25.01 ± 0.18 µg/mL
Iron, Fe	100.1 ± 0.7 µg/mL	Lead, Pb	2.001 ± 0.013 µg/mL	Manganese, Mn	50.00 ± 0.28 µg/mL
Nickel, Ni	50.00 ± 0.37 µg/mL	Selenium, Se	1.000 ± 0.006 µg/mL	Silver, Ag	5.002 ± 0.032 µg/mL
Strontium, Sr	100.0 ± 0.7 µg/mL	Thallium, Tl	5.001 ± 0.028 µg/mL	Vanadium, V	50.01 ± 0.44 µg/mL
Zinc, Zn	50.01 ± 0.32 µg/mL				

Certified Density: 1.006 g/mL (measured at 20 ± 1° C)

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

MATERIAL SAFETY DATA SHEET
TAPITT-MS-ICPMS

Revision Number 3, Revision Date October 08, 2012

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product code TAPITTMS-ICPMS

Product name Multi-element Solution Standard in Dilute Nitric Acid

Common Name Contains: 200 µg/mL ea: Al, Ba; 100 µg/mL ea: B, Fe, Sr; 50 µg/mL ea: Co, Mn, Ni, V, Zn; 25 µg/mL Cu; 20 µg/mL Cr3; 5 µg/mL ea: Ag, Be, Cd, Tl; 4 µg/mL As; 2 µg/mL Pb; 1 µg/mL Se

Manufacturer, importer, supplier Inorganic Ventures
300 Technology Drive
Christiansburg, VA 24073
web: www.inorganicventures.com

Emergency telephone number 800-424-9300 CHEMTREC (24 hrs)

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% Weight	ACGIH*	OSHA*
7732-18-5	Water	~99.3	N/A	N/A
7697-37-2	Nitric Acid	~0.7	2 ppm TWA	2 ppm TWA; 5 mg/m3 TWA

* ACGIH - Occupational Exposure Limits - TWAs
* OSHA - Final PELs - Time Weighted Averages (TWAs)

3. HAZARDS IDENTIFICATION

Emergency Overview
- Vapours may be irritating to eyes, nose, throat, and lungs
- Corrosive

Eye contact	• Contact with eyes may cause irritation
Skin contact	• Substance may cause slight skin irritation
Inhalation	• May cause irritation of respiratory tract
Ingestion	• Harmful if swallowed

4. FIRST AID MEASURES

General advice	• Show this safety data sheet to the doctor in attendance
Skin contact	• Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes • Consult a physician if necessary
Eye contact	• Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes • Keep eye wide open while rinsing • If eye irritation persists, consult a specialist
Inhalation	• Move to fresh air in case of accidental inhalation of vapours • If breathing is difficult, give oxygen • Consult a physician if necessary
Ingestion	• Call a physician or Poison Control Centre immediately • If swallowed, seek medical advice immediately and show this container or label • If conscious, drink plenty of water

5. FIRE FIGHTING MEASURES

Flash point	NA
Suitable extinguishing media	• Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Appearance	clear
Colour	yellow tint.
Odour	None.

Important Health Safety and Environmental Information

pH	0 to 2
Boiling point/range	100°C
Flash point	N/A
Vapour pressure	NA.
Water solubility	miscible.

10. STABILITY AND REACTIVITY

Stability	• Stable under normal conditions • Hazardous polymerization does not occur
Materials to avoid	• organic materials • reducing agents
Hazardous decomposition products	• nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Component Information

CAS	Chemical Name	% Weight	LD50/oral/rat =	LD50/dermal/rat =
7732-18-5	Water	~99.3	N/A	N/A
7697-37-2	Nitric Acid	~0.7	Inhalation LC50 Rat: 130 mg/kg/4H	Inhalation LC50 Rat: 130 mg/kg/4H

Product Information

Local effects	
Skin irritation	May cause skin irritation and/or dermatitis.
Eye irritation	May cause eye irritation with susceptible persons.
Inhalation	May cause irritation of respiratory tract.
Ingestion	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.
Chronic toxicity	Avoid repeated exposure.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Component Information

CAS	Chemical Name	% Weight	EFAD*	EFFSD*	EMD - Ecotoxicity*
7732-18-5	Water	~99.3	N/A	N/A	N/A
7697-37-2	Nitric Acid	~0.7	N/A	N/A	N/A

* EFAD - Ecotoxicity - Freshwater Algae Data
* EFFSD - Ecotoxicity - Freshwater Fish Species Data
* EMD - Ecotoxicity - Microtox Data

Product Information

Do not allow material to contaminate ground water or sewage system

Other information

13. DISPOSAL CONSIDERATIONS

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-A

Lot Number: **F2-MEB440138**

Matrix: 3% HNO3(v/v)

5,000 µg/mL ea:
Ca, K, Mg, Na

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Calcium, Ca	5,000 ± 34 µg/mL	Magnesium, Mg	5,000 ± 33 µg/mL	Potassium, K	5,000 ± 37 µg/mL
Sodium, Na	5,000 ± 34 µg/mL				

Certified Density: 1.071 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2 [\Sigma(s_i)^2]^{1/2}$ 2 = the coverage factor.

$[\Sigma(s_i)^2]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ca	ICP Assay	3109a	050825	Ca	EDTA	928	928
K	Gravimetric		See Sec. 4.2	K	ICP Assay	3141a	051220
Mg	ICP Assay	3131a	050302	Mg	EDTA	928	928
Na	Gravimetric		See Sec. 4.2	Na	ICP Assay	3152a	010728

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: October 08, 2012

Expiration Date: EXPIRES 01 JAN 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

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CERTIFICATE OF ANALYSIS

CH · 12-2-12

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-C

Lot Number: **F2-MEB427091**

Matrix: 3% HNO3(v/v), tr. HF

1,000 µg/mL ea:
Si,

200 µg/mL ea:
Sn,

100 µg/mL ea:
Mo, Ti,

50 µg/mL ea:
Sb

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	50.03 ± 0.38 µg/mL	Molybdenum, Mo	100.0 ± 0.8 µg/mL	Silicon, Si	1,000 ± 5 µg/mL
Tin, Sn	200.0 ± 1.3 µg/mL	Titanium, Ti	100.0 ± 0.7 µg/mL		

Certified Density: 1.019 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

$$\text{Uncertainty } (\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$$

2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Mo	Calculated		See Sec. 4.2	Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2	Sb	ICP Assay	3102A	061229
Si	Calculated		See Sec. 4.2	Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2	Sn	ICP Assay	3161a	070330
Ti	ICP Assay	3162a	060808				

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: June 21, 2012

Expiration Date: EXPIRES 01 JAN 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

Rcvd 8/28/12 PM

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31661 **Lot No.:** A085338

Description : 3,5-Dinitroaniline Standard

SV Stock Solution, 3,5-Dinitroaniline Std, 1000µg/ml, Acetonitrile, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] July 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	3,5-Dinitroaniline	618-87-1	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
Solvent:	Acetonitrile	75-05-8	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

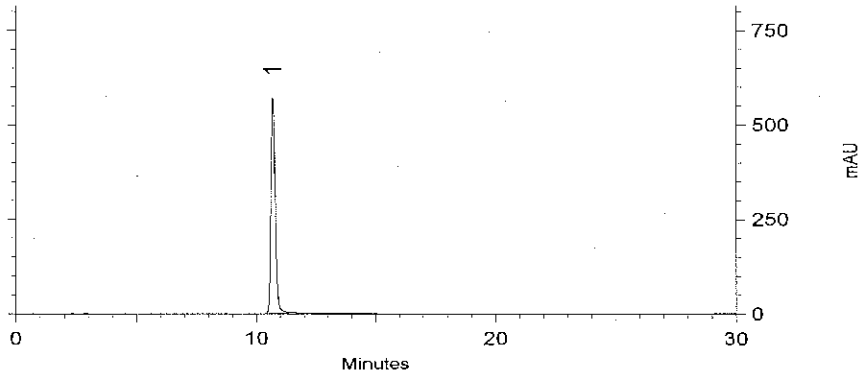
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 02-Dec-2011 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

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Certificate of Analysis

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Recvd 3/11/11 Scanned 4/19/11

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. :	33905	**Lot No.:**	A078069
Description :	8330 Calibration Standard		
Container Size : [5]	2 mL	**Pkg Amt:** [5]	> 1 mL
Expiration Date : [1]	June 2014	**Storage:**	10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	HMX	2691-41-0	99%	1,000.0 ug/ml	+/-0.59 %
2	RDX	121-82-4	98%	999.6 ug/ml	+/-0.59 %
3	1,3,5-Trinitrobenzene	99-35-4	99%	1,000.0 ug/ml	+/-0.59 %
4	1,3-Dinitrobenzene	99-65-0	97%	1,000.1 ug/ml	+/-0.59 %
5	Nitrobenzene	98-95-3	99%	1,000.0 ug/ml	+/-0.59 %
6	Tetryl	479-45-8	99%	1,000.0 ug/ml	+/-0.59 %
7	2,4,6-Trinitrotoluene	118-96-7	98%	999.6 ug/ml	+/-0.59 %
8	2-Amino-4,6-dinitrotoluene	35572-78-2	99%	1,000.0 ug/ml	+/-0.59 %
9	4-Amino-2,6-dinitrotoluene	19406-51-0	98%	999.6 ug/ml	+/-0.59 %
10	2,4-Dinitrotoluene	121-14-2	99%	1,000.0 ug/ml	+/-0.59 %
11	2,6-Dinitrotoluene	606-20-2	99%	1,000.0 ug/ml	+/-0.59 %
12	2-Nitrotoluene	88-72-2	99%	1,000.0 ug/ml	+/-0.59 %
13	4-Nitrotoluene	99-99-0	99%	1,000.0 ug/ml	+/-0.59 %
14	3-Nitrotoluene	99-08-1	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Acetonitrile	75-05-8	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

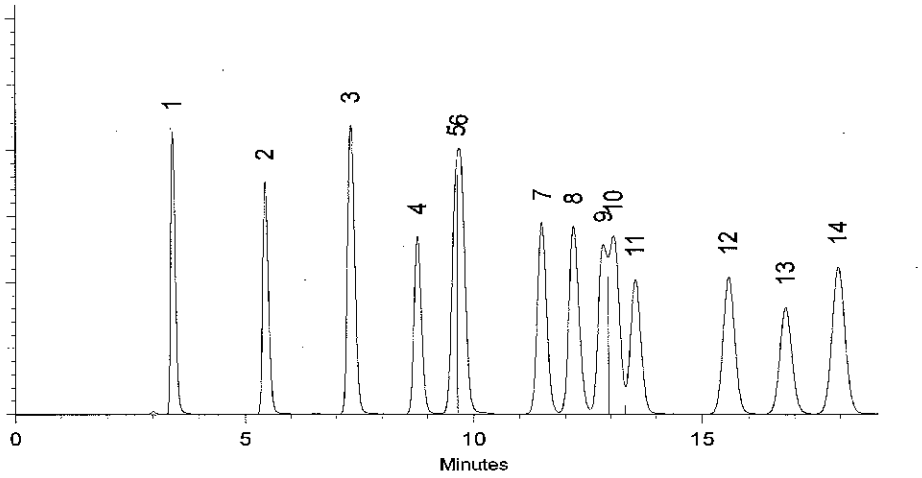
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31452 **Lot No.:** A082463

Description : 8330 Internal Standard Mix

SV Mix, 8000 Series Method, 8330 Internal Std, 3,4-dinitrotoluene, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L., K=2) [4]
1	3,4-Dinitrotoluene	610-39-9	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

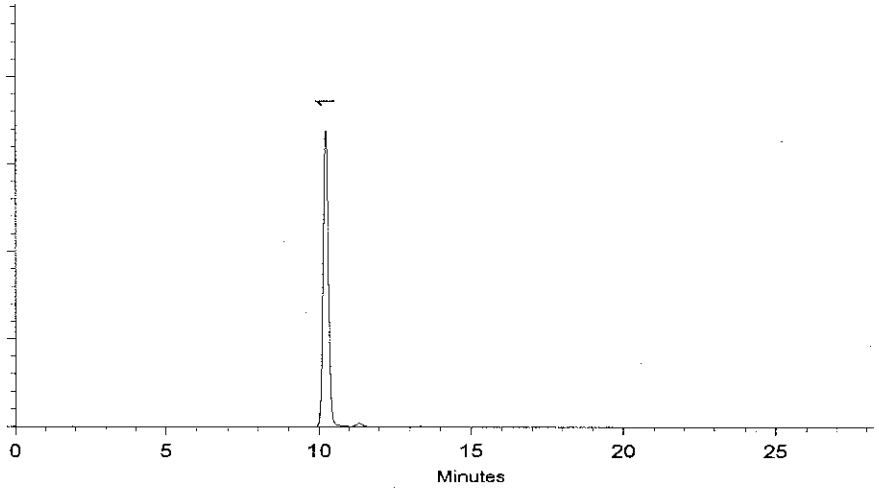
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Rcvd 1/5/12

John Lidgett - QA Analyst

Date Passed: 23-Jun-2011 **Balance:** 1125113331

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31452 **Lot No.:** A082463

Description : 8330 Internal Standard Mix

SV Mix, 8000 Series Method, 8330 Internal Std, 3,4-dinitrotoluene, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L., K=2) [4]
1	3,4-Dinitrotoluene	610-39-9	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

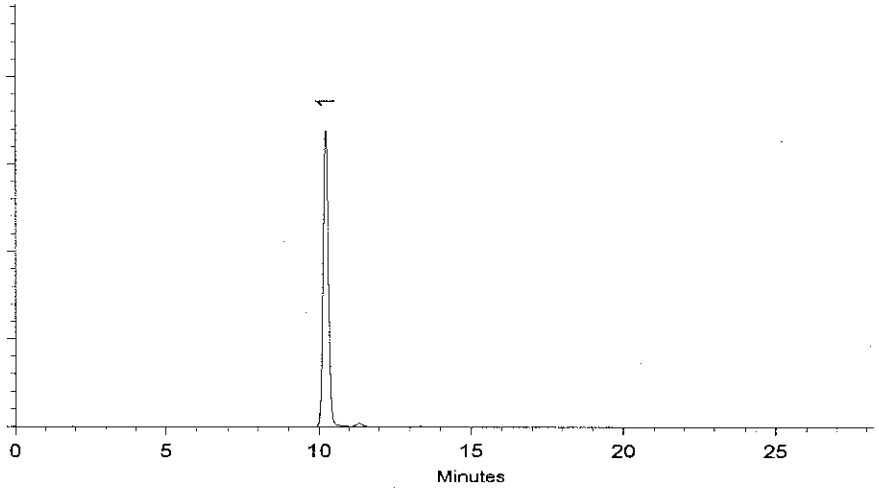
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Rcvd 11/5/12

John Liggett - QA Analyst

Date Passed: 23-Jun-2011 **Balance:** 1125113331

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

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Standard Solution Assay Parameters

Analysis Method:	HPLC/UV
Column:	Prodigy ODS 3, 4.6 x 250 mm
Mobile Phase:	A: Water B: Methanol

Gradient Program:

Time (mins)	%A	%B
0.0	50	50
10.0	40	60
25.0	40	60

Flow Rate:	0.8 mL/min
Wavelength:	254 nm

Calibration Curve

Calibration Curve:	Linear Regression
Number of Points:	1

Solution Standard Verification and Homogeneity

Compound	Verified Concentration µg/mL	Acceptance Criteria	%RSD - Homogeneity %	Acceptance Criteria
2-Amino-4,6-dinitrotoluene	199.9	± 10%	0.8	≤ 3%
4-Amino-2,6-dinitrotoluene	201.3	± 10%	1.4	≤ 3%
1,3-Dinitrobenzene	199.5	± 10%	0.7	≤ 3%
2,4-Dinitrotoluene	200.1	± 10%	0.6	≤ 3%
2,6-Dinitrotoluene	197.7	± 10%	0.9	≤ 3%
HMX	199.5	± 10%	0.7	≤ 3%
Nitrobenzene	199.8	± 10%	0.5	≤ 3%
2-Nitrotoluene	199.5	± 10%	0.2	≤ 3%
3-Nitrotoluene	199.0	± 10%	0.5	≤ 3%
4-Nitrotoluene	199.4	± 10%	0.6	≤ 3%
RDX	199.4	± 10%	0.7	≤ 3%
Tetryl	197.8	± 10%	0.7	≤ 3%
1,3,5-Trinitrobenzene	199.3	± 10%	0.7	≤ 3%
2,4,6-Trinitrotoluene (TNT)	198.6	± 10%	1.0	≤ 3%

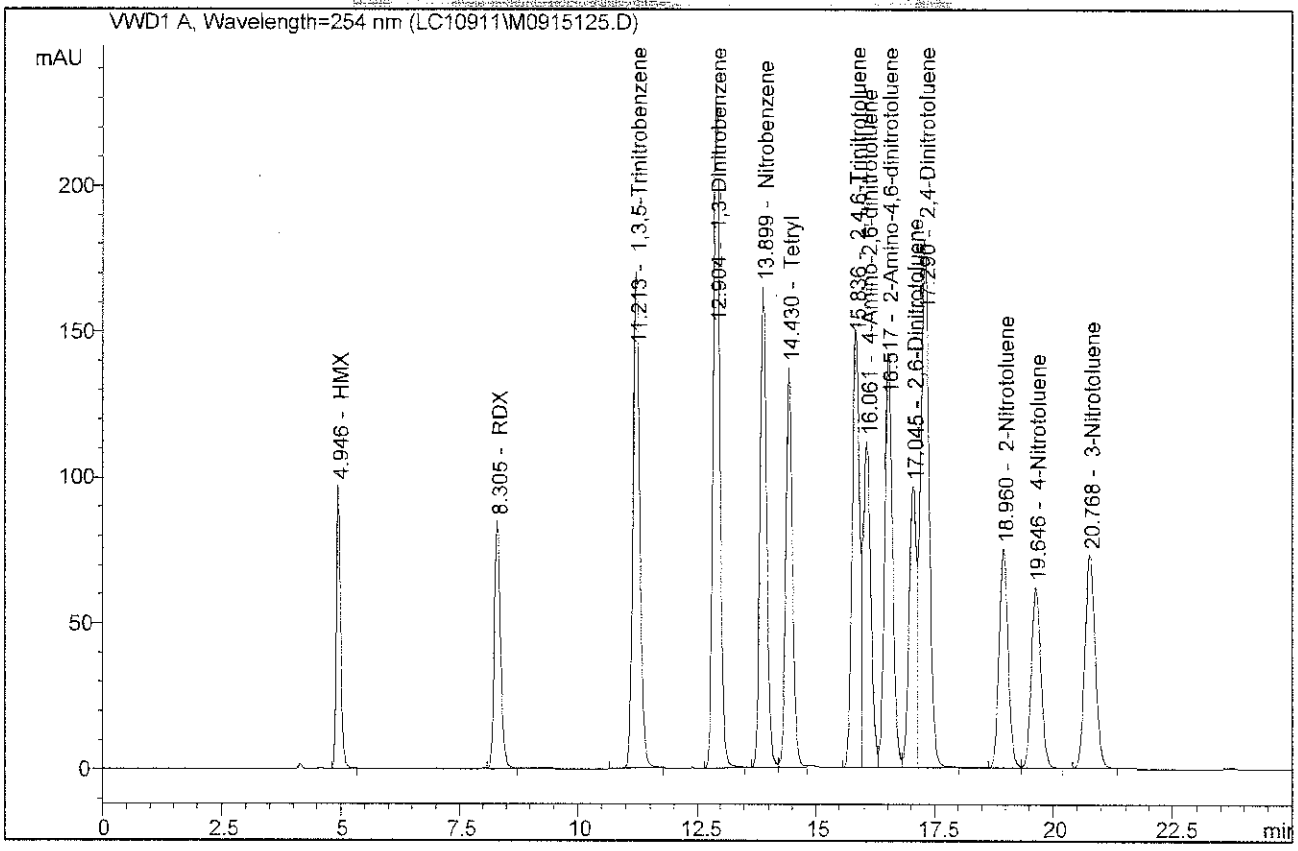
- Concentration is verified through multiple analyses and is calculated as the average of multiple analyses compared to an independently prepared calibration curve.
- Homogeneity is ensured through rigorous production process controls statistically analyzed to evaluate risk and verified by analysis. The %RSD of samples pulled from across the lot demonstrate homogeneity.
- Product is compared to prior lot and meets acceptance criteria of ± 10%.

Neat Material Data

Compound	Lot Number	CAS Number	Chemical Formula	Molecular Weight	Chromatographic Purity
2-Amino-4,6-dinitrotoluene	29550-55	35572-78-2	$C_7H_7N_3O_4$	197.15	99.98%
4-Amino-2,6-dinitrotoluene	ER070908-01	19406-51-0	$C_7H_7N_3O_4$	197.15	99.88%
1,3-Dinitrobenzene	EB-1876	99-65-0	$C_6H_4N_2O_4$	168.11	98.72%
2,4-Dinitrotoluene	EB-1379	121-14-2	$C_7H_6N_2O_4$	182.14	99.00%
2,6-Dinitrotoluene	PER-083-93401	606-20-2	$C_7H_6N_2O_4$	182.14	99.59%
HMX	ER052908-01	2691-41-0	$C_4H_8N_8O_8$	296.16	98.41%
Nitrobenzene	PR090310-01	98-95-3	$C_6H_5NO_2$	123.11	99.96%
2-Nitrotoluene	EB-1509	88-72-2	$C_7H_7NO_2$	137.14	99.95%
3-Nitrotoluene	EB-1519	99-08-1	$C_7H_7NO_2$	137.14	99.94%
4-Nitrotoluene	EB-1816	99-99-0	$C_7H_7NO_2$	137.14	99.81%
RDX	ER091609-04	121-82-4	$C_3H_6N_6O_6$	222.12	99.94%
Tetryl	34268-43	479-45-8	$C_7H_5N_5O_8$	287.15	98.67%
1,3,5-Trinitrobenzene	PR122706-01	99-35-4	$C_6H_3N_3O_6$	213.11	99.96%
2,4,6-Trinitrotoluene (TNT)	PR041911-01	118-96-7	$C_7H_5N_3O_6$	227.13	99.89%

+ Purity Factor = [(100 - wt% residual solvent - wt% residual water - wt% residual inorganics) x Chromatographic Purity/100].

Product Analysis



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Rcvd 8/28/12

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 33905 **Lot No.:** A084334

Description : 8330 Calibration Standard

Nitroaromatics and Nitramine Explosives by HPLC, 1,000µg/ml, Acetonitrile, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2015 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	HMX	2691-41-0	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
2	RDX	121-82-4	98%	999.6 ug/mL	+/- 5.9373 ug/mL
3	1,3,5-Trinitrobenzene	99-35-4	98%	999.6 ug/mL	+/- 5.9373 ug/mL
4	1,3-Dinitrobenzene	99-65-0	97%	1,000.1 ug/mL	+/- 5.9401 ug/mL
5	Nitrobenzene	98-95-3	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
6	Tetryl	479-45-8	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
7	2,4,6-Trinitrotoluene	118-96-7	98%	999.6 ug/mL	+/- 5.9373 ug/mL
8	2-Amino-4,6-dinitrotoluene	35572-78-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
9	4-Amino-2,6-dinitrotoluene	19406-51-0	98%	999.6 ug/mL	+/- 5.9373 ug/mL
10	2,4-Dinitrotoluene	121-14-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
11	2,6-Dinitrotoluene	606-20-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
12	2-Nitrotoluene	88-72-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
13	4-Nitrotoluene	99-99-0	97%	970.0 ug/mL	+/- 5.7615 ug/mL
14	3-Nitrotoluene	99-08-1	97%	1,000.1 ug/mL	+/- 5.9401 ug/mL

Solvent: Acetonitrile 75-05-8 99%

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

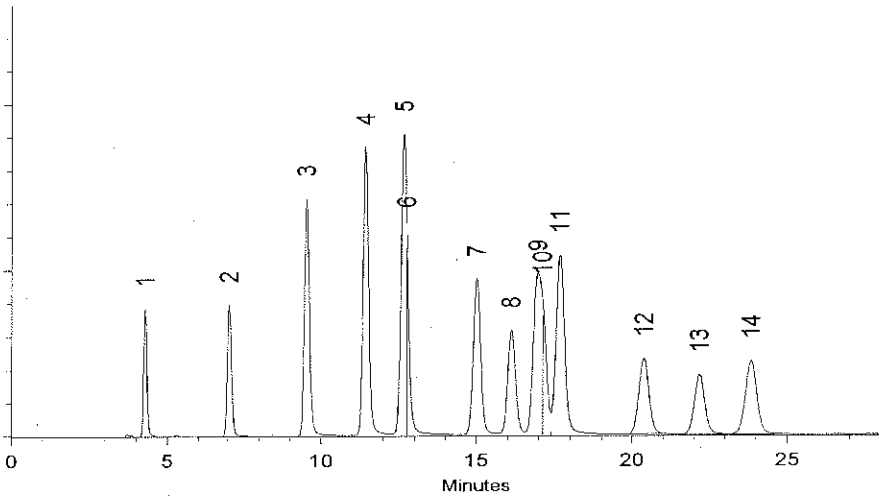
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 22-Nov-2011 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

Note:

Rcvd 3/16/12

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

ACCREDITED
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31601 **Lot No.:** A085885

Description : EGDN Standard

1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED EX GROUND ONLY

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 2017 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	EGDN	628-96-6	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

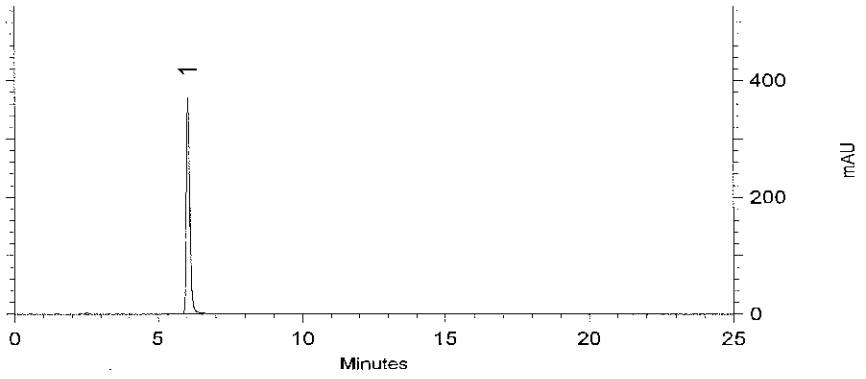
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 16-Jan-2012 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the RM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Uncertainty Value Notes:

- Uncertainties are determined using data from balances and glassware, raw material purity, and, when significant, equipment tolerances or calibration results.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

HP NGTA – 00001

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Fax: (814)353-1309

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31498 **Lot No.:** A082035

Description : Nitroglycerin Standard

SV Mix, Nitroglycerin Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Nitroglycerin	55-63-0	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

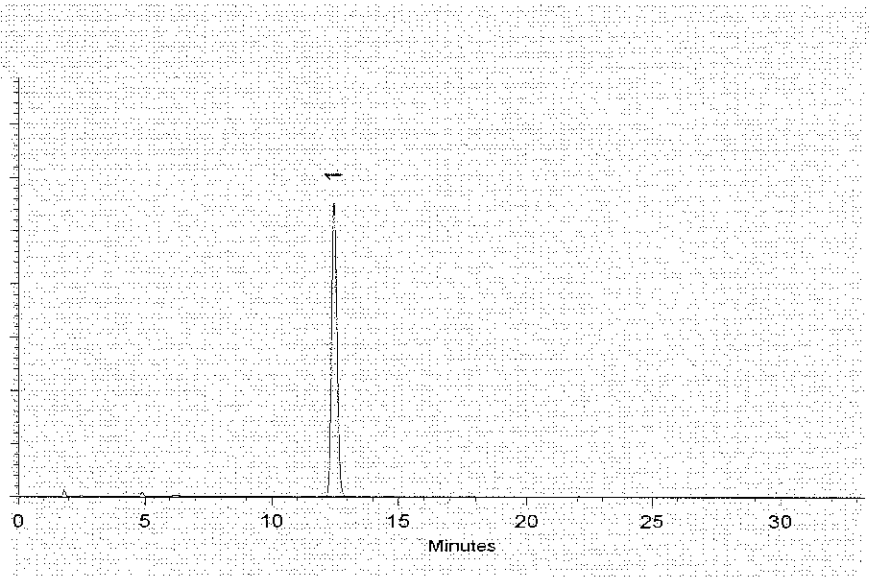
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



HP NGTA – 00001

RESTEK

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www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31498 **Lot No.:** A082035

Description : Nitroglycerin Standard

SV Mix, Nitroglycerin Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Nitroglycerin	55-63-0	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

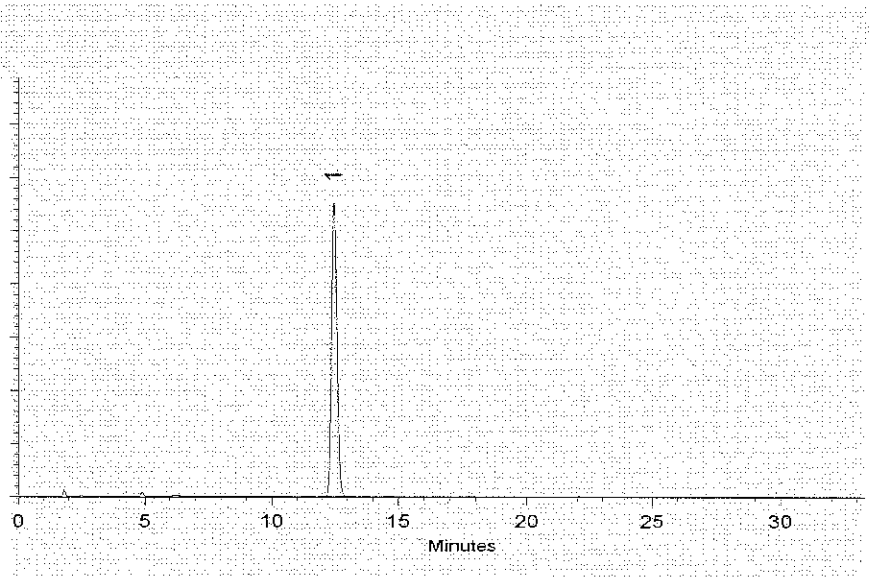
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



HPNQTA-00001

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. :	31602	**Lot No.:**	A076817
Description :	Nitroguanidine Standard		
Container Size :	2 mL	**Pkg Amt:**	> 1 mL
Expiration Date : [1]	September 2015	**Storage:**	Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	% Grav.Uncert. [4] (95% C.L., K=2)
1	Nitroguanidine	556-88-7	99%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

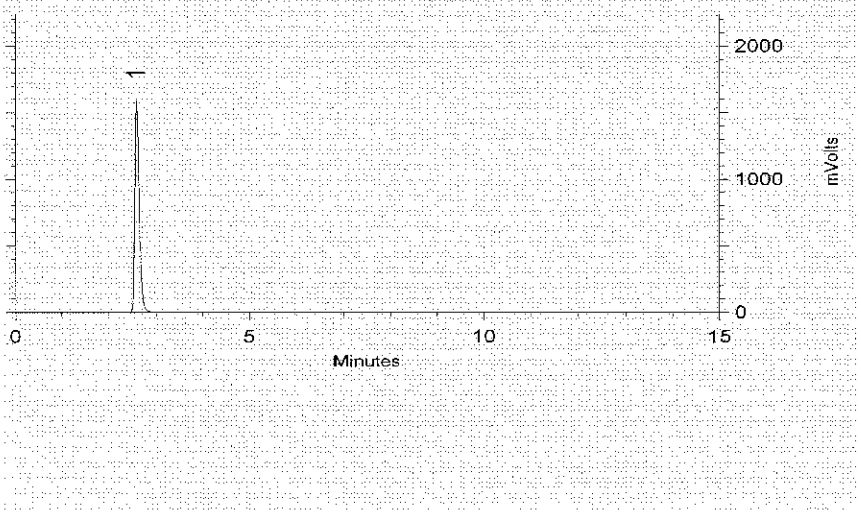
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 16-Sep-2010 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: M-8330-ADD-6
Description: Nitroguanidine
Lot: 211111014
Solvent: Methanol

Date Certified: Nov 1, 2011
Expiration: Nov 1, 2013
Sample Size: 1 mL
Storage Condition: Freeze (<-10° C)
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (HPLC)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Nitroguanidine	556-88-7	100	100.5	100.5

Rcvd 5/25/12

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822-275872-11
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

Rcvd 3/20/12

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

ACCREDITED Reference Material Producer Certificate #3222.01

ACCREDITED Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31499 **Lot No.:** A086505

Description : Picric Acid Standard

1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED EX GROUND ONLY

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2017 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Picric Acid	1,000.0 ug/mL	+/- 5.9397	ug/mL	Gravimetric
	CAS # 88-89-1		+/- 32.2037	ug/mL	Unstressed
	Purity 99%		+/- 44.7693	ug/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.53mm x 0.5um
Rtx-5 (cat.# 10240)

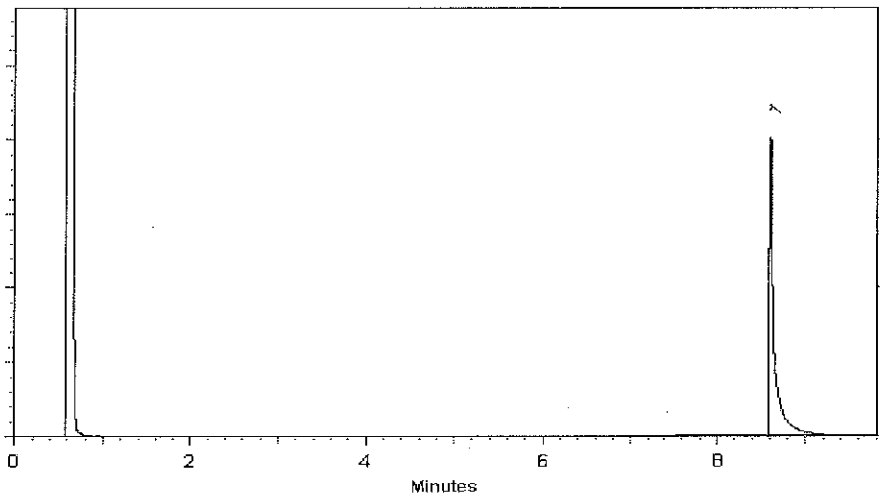
Carrier Gas:
hydrogen-constant flow 11 mL/min

Temp. Program:
70°C (hold 2 min.) to 225°C
@ 20°C/min.

Inj. Temp:
cold on-column

Det. Temp:
335°C

Det. Type:
FID



Valerie N. Walters - QA Analyst

Date Passed: 16-Mar-2012 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

Rec'd 3/16/12

RESTEK

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Bellefonte, PA 16823-8812
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Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31600 **Lot No.:** A085138

Description : PETN Standard

SV Mix, PETN Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	PETN	78-11-5	99%	1,000.0 ug/mL	+/- 5.8686 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

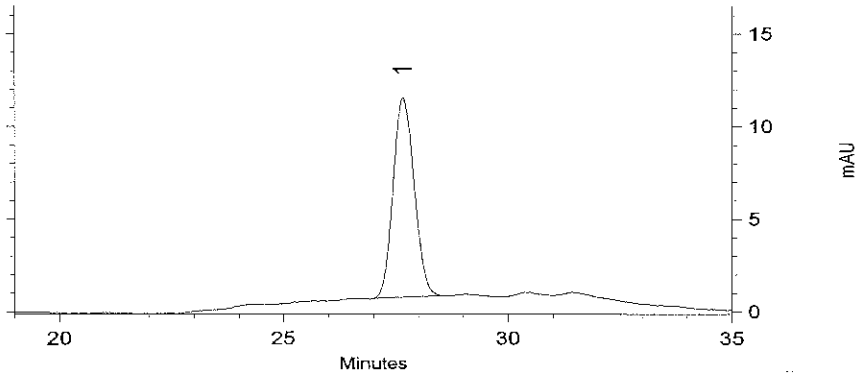
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 23-Nov-2011 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

Rec'd 3/16/12

RESTEK

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31600 **Lot No.:** A085138

Description : PETN Standard

SV Mix, PETN Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	PETN	78-11-5	99%	1,000.0 ug/mL	+/- 5.8686 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

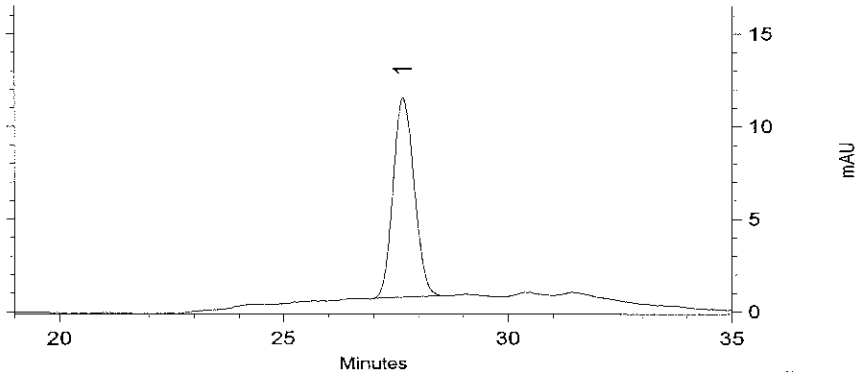
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 23-Nov-2011 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-18581-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAP	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAP	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	Wisconsin	State Program	5	999518190
TestAmerica Pittsburgh	Arkansas DEQ	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAP	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAP	4	E871008
TestAmerica Pittsburgh	Illinois	NELAP	5	002602
TestAmerica Pittsburgh	Kansas	NELAP	7	E-10350
TestAmerica Pittsburgh	L-A-B	DoD ELAP		L2314
TestAmerica Pittsburgh	Louisiana	NELAP	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAP	1	203011
TestAmerica Pittsburgh	New Jersey	NELAP	2	PA005
TestAmerica Pittsburgh	New York	NELAP	2	11182
TestAmerica Pittsburgh	North Carolina DENR	State Program	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAP	3	02-00416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014
TestAmerica Pittsburgh	USDA	Federal		P330-10-00139
TestAmerica Pittsburgh	USDA	Federal		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAP	8	STLP
TestAmerica Pittsburgh	Virginia	NELAP	3	460189
TestAmerica Pittsburgh	West Virginia DEP	State Program	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800
TestAmerica Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica Sacramento	Alaska (UST)	State Program	10	UST-055
TestAmerica Sacramento	Arizona	State Program	9	AZ0708
TestAmerica Sacramento	Arkansas DEQ	State Program	6	88-0691
TestAmerica Sacramento	California	NELAP	9	1119CA
TestAmerica Sacramento	Colorado	State Program	8	N/A
TestAmerica Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica Sacramento	Florida	NELAP	4	E87570
TestAmerica Sacramento	Guam	State Program	9	N/A
TestAmerica Sacramento	Hawaii	State Program	9	N/A
TestAmerica Sacramento	Illinois	NELAP	5	200060
TestAmerica Sacramento	Kansas	NELAP	7	E-10375
TestAmerica Sacramento	Louisiana	NELAP	6	30612
TestAmerica Sacramento	Michigan	State Program	5	9947
TestAmerica Sacramento	Nevada	State Program	9	CA44

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-18581-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Sacramento	New Jersey	NELAP	2	CA005
TestAmerica Sacramento	New York	NELAP	2	11666
TestAmerica Sacramento	Northern Mariana Islands	State Program	9	MP0007
TestAmerica Sacramento	Oregon	NELAP	10	CA200005
TestAmerica Sacramento	Pennsylvania	NELAP	3	68-01272
TestAmerica Sacramento	South Carolina	State Program	4	87014
TestAmerica Sacramento	Texas	NELAP	6	T104704399-08-TX
TestAmerica Sacramento	US Fish & Wildlife	Federal		LE148388-0
TestAmerica Sacramento	USDA	Federal		P330-11-00436
TestAmerica Sacramento	Utah	NELAP	8	QUAN1
TestAmerica Sacramento	Washington	State Program	10	C581
TestAmerica Sacramento	West Virginia	State Program	3	9930C
TestAmerica Sacramento	West Virginia DEP	State Program	3	334
TestAmerica Sacramento	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MRL 240-68879/5	99	102	97	102
	MRL 240-68879/33	96	94	100	97
	MRL 240-68905/5	98	98	98	100
	MRL 240-68905/33	93	93	94	98

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #	
070SB-0042M-0001-SO	240-18581-1	86	89	88	89	
070SB-043M-0001-SO	240-18581-2	95	96	99	93	
070SB-044M-0001-SO	240-18581-3	89	87	103	72	Q
070SB-046M-0001-SO	240-18581-5	89	87	93	89	
072SB-0056-0001-SO	240-18581-7	89	95	87	93	
072SB-0057-0001-SO	240-18581-8	96	99	92	96	
072SB-0058-0001-SO	240-18581-9	90	96	89	91	
072SB-0059-0001-SO	240-18581-10	90	92	88	94	
072SB-0060-0001-SO	240-18581-11	94	98	89	95	
072SB-0070-0001-SO	240-18581-13	93	98	90	95	
072SB-0071-0001-SO	240-18581-14	92	97	89	90	
072SB-0072-0001-SO	240-18581-15	88	96	87	90	
072SB-0073-0001-SO	240-18581-16	91	97	91	92	
	MB 240-68879/7	99	100	102	100	
	MB 240-68905/7	98	102	98	98	
	LCS 240-68879/6	101	97	103	102	
	LCS 240-68905/6	103	103	102	101	
070SB-0042M-0001-SO MS	240-18581-1 MS	91	88	98	87	
070SB-044M-0001-SO MS	240-18581-3 MS	94	96	91	94	
070SB-046M-0001-SO MS	240-18581-5 MS	98	100	95	99	
070SB-0042M-0001-SO MSD	240-18581-1 MSD	95	96	96	95	
070SB-044M-0001-SO MSD	240-18581-3 MSD	92	90	102	72	Q
070SB-046M-0001-SO MSD	240-18581-5 MSD	92	91	89	94	

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	59-138
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MRL 240-68395/4	91	98	98	105
	MRL 240-68395/22	91	95	98	104

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
072SB-0061-0001-TB	240-18581-12	90	96	95	100
070SB-0074-0001-TB	240-18581-24	92	95	97	104
	MB 240-68395/6	90	95	98	102
	LCS 240-68395/5	92	95	97	106

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXJ8970.D

Lab ID: LCS 240-68395/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	10.2	102	65-130	
1,1,2,2-Tetrachloroethane	10.0	11.4	114	65-130	
1,1,2-Trichloroethane	10.0	10.7	107	75-125	
1,1-Dichloroethane	10.0	11.3	113	70-135	
1,1-Dichloroethene	10.0	10.8	108	70-130	
1,2-Dichloroethane	10.0	10.7	107	70-130	
1,2-Dichloropropane	10.0	11.0	110	75-125	
2-Butanone (MEK)	20.0	21.2	106	30-150	
2-Hexanone	20.0	22.3	111	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	21.9	110	60-135	
Acetone	20.0	18.2	91	40-140	
Benzene	10.0	10.5	105	80-120	
Bromoform	10.0	8.85	88	70-130	
Bromomethane	10.0	8.55	85	30-145	
Carbon disulfide	10.0	11.1	111	35-160	
Carbon tetrachloride	10.0	9.68	97	65-140	
Chlorobenzene	10.0	10.1	101	80-120	
Bromodichloromethane	10.0	10.4	104	75-120	
Chloromethane	10.0	10.3	103	40-125	
cis-1,3-Dichloropropene	10.0	10.0	100	70-130	
Dibromochloromethane	10.0	9.66	97	60-135	
Ethylbenzene	10.0	9.95	99	75-125	
Methyl tert-butyl ether	10.0	10.7	107	65-125	
Methylene Chloride	10.0	9.93	99	55-140	
Styrene	10.0	10.4	104	65-135	
Tetrachloroethene	10.0	8.63	86	45-150	
Toluene	10.0	10.1	101	75-120	
Chloroform	10.0	10.2	102	65-135	
Bromochloromethane	10.0	9.67	97	65-130	
trans-1,3-Dichloropropene	10.0	10.4	104	55-140	
Trichloroethene	10.0	9.40	94	70-125	
Vinyl chloride	10.0	9.88	99	50-145	
Chloroethane	10.0	10.1	101	60-135	
Xylenes, Total	30.0	30.5	102	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX82497.D

Lab ID: LCS 240-68879/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.4	109	70-135	
1,1,2,2-Tetrachloroethane	25.0	24.5	98	55-130	
1,1,2-Trichloroethane	25.0	25.2	101	60-125	
1,1-Dichloroethane	25.0	27.0	108	75-125	
1,1-Dichloroethene	25.0	29.5	118	65-135	
1,2-Dichloroethane	25.0	26.1	104	70-135	
1,2-Dichloropropane	25.0	26.6	107	70-120	
2-Butanone (MEK)	50.0	43.0	86	30-160	
2-Hexanone	50.0	41.9	84	45-145	
4-Methyl-2-pentanone (MIBK)	50.0	44.6	89	45-145	
Acetone	50.0	52.1	104	20-160	
Benzene	25.0	27.1	109	75-125	
Bromoform	25.0	20.9	84	55-135	
Bromomethane	25.0	21.7	87	30-160	
Carbon disulfide	25.0	27.2	109	45-160	
Carbon tetrachloride	25.0	27.7	111	65-135	
Chlorobenzene	25.0	26.4	106	75-125	
Bromodichloromethane	25.0	27.4	110	70-130	
Chloromethane	25.0	25.2	101	50-130	
cis-1,3-Dichloropropene	25.0	25.3	101	70-125	
Dibromochloromethane	25.0	24.7	99	65-130	
Ethylbenzene	25.0	27.2	109	75-125	
Methyl tert-butyl ether	25.0	25.2	101	70-130	
Methylene Chloride	25.0	28.3	113	55-140	
Styrene	25.0	28.7	115	75-125	
Tetrachloroethene	25.0	26.3	105	65-140	
Toluene	25.0	25.9	104	70-125	
Chloroform	25.0	26.5	106	70-125	
Bromochloromethane	25.0	24.9	100	70-125	
trans-1,3-Dichloropropene	25.0	22.6	90	65-125	
Trichloroethene	25.0	27.4	109	75-125	
Vinyl chloride	25.0	25.7	103	60-125	
Chloroethane	25.0	23.7	95	40-155	
Xylenes, Total	75.0	81.4	109	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX82530.D

Lab ID: LCS 240-68905/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	29.9	120	70-135	
1,1,2,2-Tetrachloroethane	25.0	26.8	107	55-130	
1,1,2-Trichloroethane	25.0	26.2	105	60-125	
1,1-Dichloroethane	25.0	28.3	113	75-125	
1,1-Dichloroethene	25.0	30.6	122	65-135	
1,2-Dichloroethane	25.0	28.1	112	70-135	
1,2-Dichloropropane	25.0	27.6	110	70-120	
2-Butanone (MEK)	50.0	49.5	99	30-160	
2-Hexanone	50.0	47.9	96	45-145	
4-Methyl-2-pentanone (MIBK)	50.0	50.2	100	45-145	
Acetone	50.0	60.3	121	20-160	
Benzene	25.0	27.7	111	75-125	
Bromoform	25.0	24.2	97	55-135	
Bromomethane	25.0	22.6	91	30-160	
Carbon disulfide	25.0	29.1	116	45-160	
Carbon tetrachloride	25.0	30.7	123	65-135	
Chlorobenzene	25.0	26.2	105	75-125	
Bromodichloromethane	25.0	28.9	116	70-130	
Chloromethane	25.0	26.3	105	50-130	
cis-1,3-Dichloropropene	25.0	26.1	104	70-125	
Dibromochloromethane	25.0	26.6	107	65-130	
Ethylbenzene	25.0	26.8	107	75-125	
Methyl tert-butyl ether	25.0	27.4	110	70-130	
Methylene Chloride	25.0	30.5	122	55-140	
Styrene	25.0	28.4	114	75-125	
Tetrachloroethene	25.0	25.9	104	65-140	
Toluene	25.0	26.1	105	70-125	
Chloroform	25.0	27.2	109	70-125	
Bromochloromethane	25.0	27.1	108	70-125	
trans-1,3-Dichloropropene	25.0	23.8	95	65-125	
Trichloroethene	25.0	27.1	108	75-125	
Vinyl chloride	25.0	25.6	102	60-125	
Chloroethane	25.0	26.0	104	40-155	
Xylenes, Total	75.0	81.7	109	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXJ8969.D

Lab ID: MRL 240-68395/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00100	0.00112	112	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.00138	138	70-130	^
1,1,2-Trichloroethane	0.00100	0.00105	105	70-130	
1,1-Dichloroethane	0.00100	0.00113	113	70-130	
1,1-Dichloroethene	0.00100	0.00101	101	70-130	
1,2-Dichloroethane	0.00100	0.00110	110	70-130	
1,2-Dichloropropane	0.00100	0.00108	108	70-130	
2-Butanone (MEK)	0.0100	0.0109	109	70-130	
2-Hexanone	0.0100	0.0112	112	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.0111	111	70-130	
Acetone	0.0100	0.00996 J	100	70-130	
Benzene	0.00100	0.00112	112	70-130	
Bromoform	0.00100	0.000790 J	79	70-130	
Bromomethane	0.00100	0.00110	110	70-130	
Carbon disulfide	0.00100	0.00102	102	70-130	
Carbon tetrachloride	0.00100	0.00103	103	70-130	
Chlorobenzene	0.00100	0.00105	105	70-130	
Bromodichloromethane	0.00100	0.00102	102	70-130	
Chloromethane	0.00100	0.00120	120	70-130	
cis-1,3-Dichloropropene	0.00100	0.000960 J	96	70-130	
Dibromochloromethane	0.00100	0.000919 J	92	70-130	
Ethylbenzene	0.00100	0.00102	102	70-130	
Methyl tert-butyl ether	0.00100	0.00106	106	70-130	
Methylene Chloride	0.00100	0.00165	165	70-130	^
Styrene	0.00100	0.00103	103	70-130	
Tetrachloroethene	0.00100	0.000880 J	88	70-130	
Toluene	0.00100	0.00109	109	70-130	
Chloroform	0.00100	0.00108	108	70-130	
Bromochloromethane	0.00100	0.000955 J	95	70-130	
trans-1,3-Dichloropropene	0.00100	0.00102	102	70-130	
Trichloroethene	0.00100	0.000942 J	94	70-130	
Vinyl chloride	0.00100	0.00104	104	70-130	
Chloroethane	0.00100	0.00113	113	70-130	
Xylenes, Total	0.00300	0.00309	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXJ8988.D

Lab ID: MRL 240-68395/22 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00100	0.00105	105	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.00125	125	70-130	
1,1,2-Trichloroethane	0.00100	0.00119	119	70-130	
1,1-Dichloroethane	0.00100	0.00118	118	70-130	
1,1-Dichloroethene	0.00100	0.000999 J	100	70-130	
1,2-Dichloroethane	0.00100	0.00113	113	70-130	
1,2-Dichloropropane	0.00100	0.00121	121	70-130	
2-Butanone (MEK)	0.0100	0.00959 J	96	70-130	
2-Hexanone	0.0100	0.0103	103	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.0104	104	70-130	
Acetone	0.0100	0.00772 J	77	70-130	
Benzene	0.00100	0.00117	117	70-130	
Bromoform	0.00100	0.000805 J	81	70-130	
Bromomethane	0.00100	0.00110	110	70-130	
Carbon disulfide	0.00100	0.00102	102	70-130	
Carbon tetrachloride	0.00100	0.000965 J	97	70-130	
Chlorobenzene	0.00100	0.00104	104	70-130	
Bromodichloromethane	0.00100	0.00105	105	70-130	
Chloromethane	0.00100	0.00125	125	70-130	
cis-1,3-Dichloropropene	0.00100	0.00105	105	70-130	
Dibromochloromethane	0.00100	0.000899 J	90	70-130	
Ethylbenzene	0.00100	0.00108	108	70-130	
Methyl tert-butyl ether	0.00100	0.00113	113	70-130	
Methylene Chloride	0.00100	0.00145	145	70-130	^
Styrene	0.00100	0.00109	109	70-130	
Tetrachloroethene	0.00100	0.000929 J	93	70-130	
Toluene	0.00100	0.00116	116	70-130	
Chloroform	0.00100	0.00113	113	70-130	
Bromochloromethane	0.00100	0.000992 J	99	70-130	
trans-1,3-Dichloropropene	0.00100	0.00101	101	70-130	
Trichloroethene	0.00100	0.00102	102	70-130	
Vinyl chloride	0.00100	0.00115	115	70-130	
Chloroethane	0.00100	0.00109	109	70-130	
Xylenes, Total	0.00300	0.00327	109	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX82496.D

Lab ID: MRL 240-68879/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00500	0.00498	100	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00538	108	70-130	
1,1,2-Trichloroethane	0.00500	0.00522	104	70-130	
1,1-Dichloroethane	0.00500	0.00516	103	70-130	
1,1-Dichloroethene	0.00500	0.00516	103	70-130	
1,2-Dichloroethane	0.00500	0.00535	107	70-130	
1,2-Dichloropropane	0.00500	0.00525	105	70-130	
2-Butanone (MEK)	0.0100	0.0113	113	70-130	
2-Hexanone	0.0100	0.00956 J	96	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00965 J	96	70-130	
Acetone	0.0100	0.00955 J	95	70-130	
Benzene	0.00500	0.00532	106	70-130	
Bromoform	0.00500	0.00449	90	70-130	
Bromomethane	0.00500	0.00530	106	70-130	
Carbon disulfide	0.00500	0.00472	94	70-130	
Carbon tetrachloride	0.00500	0.00501	100	70-130	
Chlorobenzene	0.00500	0.00517	103	70-130	
Bromodichloromethane	0.00500	0.00491	98	70-130	
Chloromethane	0.00500	0.00517	103	70-130	
cis-1,3-Dichloropropene	0.00500	0.00440	88	70-130	
Dibromochloromethane	0.00500	0.00416	83	70-130	
Ethylbenzene	0.00500	0.00500	100	70-130	
Methyl tert-butyl ether	0.00500	0.00507	101	70-130	
Methylene Chloride	0.00500	0.00547	109	70-130	
Styrene	0.00500	0.00490	98	70-130	
Tetrachloroethene	0.00500	0.00485	97	70-130	
Toluene	0.00500	0.00505	101	70-130	
Chloroform	0.00500	0.00509	102	70-130	
Bromochloromethane	0.00500	0.00522	104	70-130	
trans-1,3-Dichloropropene	0.00500	0.00432	86	70-130	
Trichloroethene	0.00500	0.00534	107	70-130	
Vinyl chloride	0.00500	0.00556	111	70-130	
Chloroethane	0.00500	0.00523	105	70-130	
Xylenes, Total	0.0150	0.0156	104	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX82524.D

Lab ID: MRL 240-68879/33 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00500	0.00484	97	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00518	104	70-130	
1,1,2-Trichloroethane	0.00500	0.00509	102	70-130	
1,1-Dichloroethane	0.00500	0.00505	101	70-130	
1,1-Dichloroethene	0.00500	0.00512	102	70-130	
1,2-Dichloroethane	0.00500	0.00523	105	70-130	
1,2-Dichloropropane	0.00500	0.00496	99	70-130	
2-Butanone (MEK)	0.0100	0.00907 J	91	70-130	
2-Hexanone	0.0100	0.00795 J	79	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00784 J	78	70-130	
Acetone	0.0100	0.00900 J	90	70-130	
Benzene	0.00500	0.00506	101	70-130	
Bromoform	0.00500	0.00417	83	70-130	
Bromomethane	0.00500	0.00514	103	70-130	
Carbon disulfide	0.00500	0.00463	93	70-130	
Carbon tetrachloride	0.00500	0.00462	92	70-130	
Chlorobenzene	0.00500	0.00503	101	70-130	
Bromodichloromethane	0.00500	0.00454	91	70-130	
Chloromethane	0.00500	0.00520	104	70-130	
cis-1,3-Dichloropropene	0.00500	0.00402	80	70-130	
Dibromochloromethane	0.00500	0.00420	84	70-130	
Ethylbenzene	0.00500	0.00500	100	70-130	
Methyl tert-butyl ether	0.00500	0.00464	93	70-130	
Methylene Chloride	0.00500	0.00649	130	70-130	
Styrene	0.00500	0.00461	92	70-130	
Tetrachloroethene	0.00500	0.00465	93	70-130	
Toluene	0.00500	0.00513	103	70-130	
Chloroform	0.00500	0.00516	103	70-130	
Bromochloromethane	0.00500	0.00497	99	70-130	
trans-1,3-Dichloropropene	0.00500	0.00419	84	70-130	
Trichloroethene	0.00500	0.00506	101	70-130	
Vinyl chloride	0.00500	0.00542	108	70-130	
Chloroethane	0.00500	0.00447	89	70-130	
Xylenes, Total	0.0150	0.0144	96	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX82529.D

Lab ID: MRL 240-68905/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00500	0.00597	119	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00532	106	70-130	
1,1,2-Trichloroethane	0.00500	0.00519	104	70-130	
1,1-Dichloroethane	0.00500	0.00540	108	70-130	
1,1-Dichloroethene	0.00500	0.00576	115	70-130	
1,2-Dichloroethane	0.00500	0.00574	115	70-130	
1,2-Dichloropropane	0.00500	0.00545	109	70-130	
2-Butanone (MEK)	0.0100	0.00944 J	94	70-130	
2-Hexanone	0.0100	0.00682 J	68	70-130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00726 J	73	70-130	
Acetone	0.0100	0.00786 J	79	70-130	
Benzene	0.00500	0.00565	113	70-130	
Bromoform	0.00500	0.00458	92	70-130	
Bromomethane	0.00500	0.00534	107	70-130	
Carbon disulfide	0.00500	0.00531	106	70-130	
Carbon tetrachloride	0.00500	0.00578	116	70-130	
Chlorobenzene	0.00500	0.00571	114	70-130	
Bromodichloromethane	0.00500	0.00555	111	70-130	
Chloromethane	0.00500	0.00541	108	70-130	
cis-1,3-Dichloropropene	0.00500	0.00470	94	70-130	
Dibromochloromethane	0.00500	0.00457	91	70-130	
Ethylbenzene	0.00500	0.00556	111	70-130	
Methyl tert-butyl ether	0.00500	0.00505	101	70-130	
Methylene Chloride	0.00500	0.00619	124	70-130	
Styrene	0.00500	0.00539	108	70-130	
Tetrachloroethene	0.00500	0.00581	116	70-130	
Toluene	0.00500	0.00559	112	70-130	
Chloroform	0.00500	0.00559	112	70-130	
Bromochloromethane	0.00500	0.00560	112	70-130	
trans-1,3-Dichloropropene	0.00500	0.00457	91	70-130	
Trichloroethene	0.00500	0.00544	109	70-130	
Vinyl chloride	0.00500	0.00537	107	70-130	
Chloroethane	0.00500	0.00498	100	70-130	
Xylenes, Total	0.0150	0.0170	113	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX82557.D

Lab ID: MRL 240-68905/33 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00500	0.00505	101	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00535	107	70-130	
1,1,2-Trichloroethane	0.00500	0.00516	103	70-130	
1,1-Dichloroethane	0.00500	0.00547	109	70-130	
1,1-Dichloroethene	0.00500	0.00506	101	70-130	
1,2-Dichloroethane	0.00500	0.00571	114	70-130	
1,2-Dichloropropane	0.00500	0.00543	109	70-130	
2-Butanone (MEK)	0.0100	0.0105	105	70-130	
2-Hexanone	0.0100	0.00961 J	96	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00997 J	100	70-130	
Acetone	0.0100	0.00927 J	93	70-130	
Benzene	0.00500	0.00535	107	70-130	
Bromoform	0.00500	0.00430	86	70-130	
Bromomethane	0.00500	0.00601	120	70-130	
Carbon disulfide	0.00500	0.00459	92	70-130	
Carbon tetrachloride	0.00500	0.00475	95	70-130	
Chlorobenzene	0.00500	0.00546	109	70-130	
Bromodichloromethane	0.00500	0.00491	98	70-130	
Chloromethane	0.00500	0.00535	107	70-130	
cis-1,3-Dichloropropene	0.00500	0.00453	91	70-130	
Dibromochloromethane	0.00500	0.00426	85	70-130	
Ethylbenzene	0.00500	0.00518	104	70-130	
Methyl tert-butyl ether	0.00500	0.00525	105	70-130	
Methylene Chloride	0.00500	0.00675	135	70-130	^
Styrene	0.00500	0.00531	106	70-130	
Tetrachloroethene	0.00500	0.00505	101	70-130	
Toluene	0.00500	0.00530	106	70-130	
Chloroform	0.00500	0.00541	108	70-130	
Bromochloromethane	0.00500	0.00534	107	70-130	
trans-1,3-Dichloropropene	0.00500	0.00455	91	70-130	
Trichloroethene	0.00500	0.00551	110	70-130	
Vinyl chloride	0.00500	0.00492	98	70-130	
Chloroethane	0.00500	0.00580	116	70-130	
Xylenes, Total	0.0150	0.0161	108	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX82539.D

Lab ID: 240-18581-1 MS Client ID: 070SB-0042M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	24.2	0.89 U	26.2	108	70-135	
1,1,2,2-Tetrachloroethane	24.2	0.45 U	25.2	104	55-130	
1,1,2-Trichloroethane	24.2	0.45 U	28.6	118	60-125	
1,1-Dichloroethane	24.2	0.45 U	25.7	106	75-125	
1,1-Dichloroethene	24.2	0.89 U	27.0	111	65-135	
1,2-Dichloroethane	24.2	0.45 U	24.2	100	70-135	
1,2-Dichloropropane	24.2	0.89 U	25.1	104	70-120	
2-Butanone (MEK)	48.5	6.2 J	50.6	91	30-160	
2-Hexanone	48.5	0.89 U	44.1	91	45-145	
4-Methyl-2-pentanone (MIBK)	48.5	0.89 U	43.8	90	45-145	
Acetone	48.5	24	73.8	102	20-160	
Benzene	24.2	0.73 J	25.5	102	75-125	
Bromochloromethane	24.2	0.89 U	22.9	95	70-125	
Bromodichloromethane	24.2	0.45 U	24.0	99	70-130	
Bromoform	24.2	0.45 U	18.3	75	55-135	
Bromomethane	24.2	0.89 U	20.7	85	30-160	
Carbon disulfide	24.2	0.45 U	24.7	102	45-160	
Carbon tetrachloride	24.2	0.45 U	24.5	101	65-135	
Chlorobenzene	24.2	0.45 U	23.7	98	75-125	
Chloroethane	24.2	0.89 U	25.1	104	40-155	
Chloroform	24.2	0.45 U	24.1	99	70-125	
Chloromethane	24.2	0.45 U	23.8	98	50-130	
cis-1,3-Dichloropropene	24.2	0.45 U	22.3	92	70-125	
Dibromochloromethane	24.2	0.89 U	21.3	88	65-130	
Ethylbenzene	24.2	4.7	32.1	113	75-125	
Methyl tert-butyl ether	24.2	0.45 U	24.0	99	70-130	
Methylene Chloride	24.2	0.89 U	31.6	130	55-140	
Styrene	24.2	0.45 U	25.3	104	75-125	
Tetrachloroethene	24.2	0.89 U	24.9	103	65-140	
Toluene	24.2	2.7 J	28.8	107	70-125	
trans-1,3-Dichloropropene	24.2	0.89 U	20.1	83	65-125	
Trichloroethene	24.2	0.45 U	24.9	103	75-125	
Vinyl chloride	24.2	0.45 U	21.8	90	60-125	
Xylenes, Total	72.7	20	108	120	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX82542.D

Lab ID: 240-18581-3 MS Client ID: 070SB-044M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.7	1.1 U	23.5	92	70-135	
1,1,2,2-Tetrachloroethane	25.7	0.57 U	21.0	82	55-130	
1,1,2-Trichloroethane	25.7	0.57 U	22.7	88	60-125	
1,1-Dichloroethane	25.7	0.57 U	23.6	92	75-125	
1,1-Dichloroethene	25.7	1.1 U	24.7	96	65-135	
1,2-Dichloroethane	25.7	0.57 U	24.3	95	70-135	
1,2-Dichloropropane	25.7	1.1 U	23.5	91	70-120	
2-Butanone (MEK)	51.4	12 J	51.4	78	30-160	
2-Hexanone	51.4	1.8 J	47.2	89	45-145	
4-Methyl-2-pentanone (MIBK)	51.4	1.3 J	50.7	96	45-145	
Acetone	51.4	41	62.8	42	20-160	
Benzene	25.7	1.3 J	22.9	84	75-125	
Bromoform	25.7	0.57 U	18.3	71	55-135	
Bromomethane	25.7	1.1 U	21.9	85	30-160	
Carbon disulfide	25.7	0.57 U	21.5	84	45-160	
Carbon tetrachloride	25.7	0.57 U	22.4	87	65-135	
Chlorobenzene	25.7	0.57 U	19.8	77	75-125	
Bromodichloromethane	25.7	0.57 U	23.7	92	70-130	
Chloromethane	25.7	0.57 U	22.0	86	50-130	
cis-1,3-Dichloropropene	25.7	0.57 U	22.2	86	70-125	
Dibromochloromethane	25.7	1.1 U	20.3	79	65-130	
Ethylbenzene	25.7	1.8 J	19.5	69	75-125	J
Methyl tert-butyl ether	25.7	0.57 U	25.4	99	70-130	
Methylene Chloride	25.7	1.1 U	22.5	88	55-140	
Styrene	25.7	0.57 U	21.1	82	75-125	
Tetrachloroethene	25.7	1.1 U	19.7	77	65-140	
Toluene	25.7	3.3 J	23.7	79	70-125	
Chloroform	25.7	0.57 U	22.4	87	70-125	
Bromochloromethane	25.7	1.1 U	23.1	90	70-125	
trans-1,3-Dichloropropene	25.7	1.1 U	20.0	78	65-125	
Trichloroethene	25.7	0.57 U	22.3	87	75-125	
Vinyl chloride	25.7	0.57 U	20.5	80	60-125	
Chloroethane	25.7	1.1 U	24.7	96	40-155	
Xylenes, Total	77.1	1.7 U	61.0	79	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX82545.D

Lab ID: 240-18581-5 MS Client ID: 070SB-046M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	27.3	1.0 U	26.8	98	70-135	
1,1,2,2-Tetrachloroethane	27.3	0.52 U	24.8	91	55-130	
1,1,2-Trichloroethane	27.3	0.52 U	24.4	89	60-125	
1,1-Dichloroethane	27.3	0.52 U	26.2	96	75-125	
1,1-Dichloroethene	27.3	1.0 U	27.2	100	65-135	
1,2-Dichloroethane	27.3	0.52 U	26.0	95	70-135	
1,2-Dichloropropane	27.3	1.0 U	26.1	96	70-120	
2-Butanone (MEK)	54.5	4.6 J	56.7	96	30-160	
2-Hexanone	54.5	2.3 J	53.5	94	45-145	
4-Methyl-2-pentanone (MIBK)	54.5	1.0 J	56.9	103	45-145	
Acetone	54.5	19 J	88.8	128	20-160	
Benzene	27.3	0.40 J	25.2	91	75-125	
Bromoform	27.3	0.52 U	21.0	77	55-135	
Bromomethane	27.3	1.0 U	22.0	81	30-160	
Carbon disulfide	27.3	0.63 J	24.8	89	45-160	
Carbon tetrachloride	27.3	0.52 U	26.0	95	65-135	
Chlorobenzene	27.3	0.52 U	22.8	84	75-125	
Bromodichloromethane	27.3	0.52 U	25.8	95	70-130	
Chloromethane	27.3	0.52 U	23.8	87	50-130	
cis-1,3-Dichloropropene	27.3	0.52 U	24.1	88	70-125	
Dibromochloromethane	27.3	1.0 U	23.4	86	65-130	
Ethylbenzene	27.3	0.52 U	24.1	89	75-125	
Methyl tert-butyl ether	27.3	0.52 U	27.6	101	70-130	
Methylene Chloride	27.3	8.0	25.1	63	55-140	
Styrene	27.3	0.52 U	24.9	91	75-125	
Tetrachloroethene	27.3	1.0 U	24.2	89	65-140	
Toluene	27.3	2.5 J	26.1	86	70-125	
Chloroform	27.3	0.52 U	24.7	90	70-125	
Bromochloromethane	27.3	1.0 U	25.1	92	70-125	
trans-1,3-Dichloropropene	27.3	1.0 U	21.1	77	65-125	
Trichloroethene	27.3	0.52 U	25.6	94	75-125	
Vinyl chloride	27.3	0.52 U	21.7	79	60-125	
Chloroethane	27.3	1.0 U	27.0	99	40-155	
Xylenes, Total	81.8	1.6 U	73.9	90	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX82540.D

Lab ID: 240-18581-1 MSD Client ID: 070SB-0042M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	26.4	27.4	104	4	30	70-135	
1,1,2,2-Tetrachloroethane	26.4	24.0	91	5	30	55-130	
1,1,2-Trichloroethane	26.4	25.9	98	10	30	60-125	
1,1-Dichloroethane	26.4	27.3	104	6	30	75-125	
1,1-Dichloroethene	26.4	28.9	110	7	30	65-135	
1,2-Dichloroethane	26.4	26.4	100	9	30	70-135	
1,2-Dichloropropane	26.4	27.4	104	9	30	70-120	
2-Butanone (MEK)	52.8	55.2	93	9	30	30-160	
2-Hexanone	52.8	51.8	98	16	30	45-145	
4-Methyl-2-pentanone (MIBK)	52.8	52.2	99	17	30	45-145	
Acetone	52.8	73.2	92	1	30	20-160	
Benzene	26.4	26.7	98	5	30	75-125	
Bromochloromethane	26.4	24.9	94	8	30	70-125	
Bromodichloromethane	26.4	25.8	98	7	30	70-130	
Bromoform	26.4	20.6	78	12	30	55-135	
Bromomethane	26.4	23.0	87	11	30	30-160	
Carbon disulfide	26.4	25.9	98	5	30	45-160	
Carbon tetrachloride	26.4	26.1	99	6	30	65-135	
Chlorobenzene	26.4	24.1	91	2	30	75-125	
Chloroethane	26.4	26.0	99	3	30	40-155	
Chloroform	26.4	25.4	96	5	30	70-125	
Chloromethane	26.4	24.2	92	2	30	50-130	
cis-1,3-Dichloropropene	26.4	24.9	94	11	30	70-125	
Dibromochloromethane	26.4	23.3	88	9	30	65-130	
Ethylbenzene	26.4	27.3	86	16	30	75-125	
Methyl tert-butyl ether	26.4	26.9	102	11	30	70-130	
Methylene Chloride	26.4	31.0	117	2	30	55-140	
Styrene	26.4	25.9	98	2	30	75-125	
Tetrachloroethene	26.4	25.0	95	1	30	65-140	
Toluene	26.4	29.2	100	2	30	70-125	
trans-1,3-Dichloropropene	26.4	21.7	82	7	30	65-125	
Trichloroethene	26.4	26.4	100	6	30	75-125	
Vinyl chloride	26.4	23.1	87	5	30	60-125	
Xylenes, Total	79.2	88.8	86	19	30	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX82543.D

Lab ID: 240-18581-3 MSD Client ID: 070SB-044M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.9	28.2	109	18	30	70-135	
1,1,2,2-Tetrachloroethane	25.9	37.9	146	57	30	55-130	J
1,1,2-Trichloroethane	25.9	30.7	118	30	30	60-125	
1,1-Dichloroethane	25.9	27.8	107	16	30	75-125	
1,1-Dichloroethene	25.9	29.5	114	18	30	65-135	
1,2-Dichloroethane	25.9	26.6	103	9	30	70-135	
1,2-Dichloropropane	25.9	25.7	99	9	30	70-120	
2-Butanone (MEK)	51.9	56.0	86	9	30	30-160	
2-Hexanone	51.9	61.4	115	26	30	45-145	
4-Methyl-2-pentanone (MIBK)	51.9	52.5	99	3	30	45-145	
Acetone	51.9	76.4	68	20	30	20-160	
Benzene	25.9	26.7	98	15	30	75-125	
Bromoform	25.9	19.2	74	5	30	55-135	
Bromomethane	25.9	23.6	91	7	30	30-160	
Carbon disulfide	25.9	26.6	103	21	30	45-160	
Carbon tetrachloride	25.9	24.6	95	9	30	65-135	
Chlorobenzene	25.9	24.7	95	22	30	75-125	
Bromodichloromethane	25.9	25.7	99	8	30	70-130	
Chloromethane	25.9	24.2	93	10	30	50-130	
cis-1,3-Dichloropropene	25.9	23.7	91	7	30	70-125	
Dibromochloromethane	25.9	24.8	96	20	30	65-130	
Ethylbenzene	25.9	24.9	89	24	30	75-125	
Methyl tert-butyl ether	25.9	27.2	105	7	30	70-130	
Methylene Chloride	25.9	27.2	105	19	30	55-140	
Styrene	25.9	23.9	92	13	30	75-125	
Tetrachloroethene	25.9	24.7	95	23	30	65-140	
Toluene	25.9	30.7	106	26	30	70-125	
Chloroform	25.9	25.5	98	13	30	70-125	
Bromochloromethane	25.9	25.5	98	10	30	70-125	
trans-1,3-Dichloropropene	25.9	24.0	92	18	30	65-125	
Trichloroethene	25.9	26.7	103	18	30	75-125	
Vinyl chloride	25.9	22.5	87	9	30	60-125	
Chloroethane	25.9	28.7	111	15	30	40-155	
Xylenes, Total	77.8	71.5	92	16	30	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX82546.D

Lab ID: 240-18581-5 MSD Client ID: 070SB-046M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	23.9	23.9	100	11	30	70-135	
1,1,2,2-Tetrachloroethane	23.9	20.9	87	17	30	55-130	
1,1,2-Trichloroethane	23.9	21.0	88	15	30	60-125	
1,1-Dichloroethane	23.9	23.8	99	9	30	75-125	
1,1-Dichloroethene	23.9	24.9	104	9	30	65-135	
1,2-Dichloroethane	23.9	22.8	95	13	30	70-135	
1,2-Dichloropropane	23.9	23.8	99	9	30	70-120	
2-Butanone (MEK)	47.9	45.3	85	22	30	30-160	
2-Hexanone	47.9	45.0	89	17	30	45-145	
4-Methyl-2-pentanone (MIBK)	47.9	45.3	93	23	30	45-145	
Acetone	47.9	64.1	95	32	30	20-160	J
Benzene	23.9	22.6	93	11	30	75-125	
Bromoform	23.9	18.0	75	15	30	55-135	
Bromomethane	23.9	20.8	87	6	30	30-160	
Carbon disulfide	23.9	22.3	90	11	30	45-160	
Carbon tetrachloride	23.9	23.5	98	10	30	65-135	
Chlorobenzene	23.9	21.1	88	7	30	75-125	
Bromodichloromethane	23.9	22.8	95	12	30	70-130	
Chloromethane	23.9	22.4	94	6	30	50-130	
cis-1,3-Dichloropropene	23.9	22.2	93	8	30	70-125	
Dibromochloromethane	23.9	21.0	88	11	30	65-130	
Ethylbenzene	23.9	21.2	89	13	30	75-125	
Methyl tert-butyl ether	23.9	24.1	101	14	30	70-130	
Methylene Chloride	23.9	25.6	73	2	30	55-140	
Styrene	23.9	22.7	95	9	30	75-125	
Tetrachloroethene	23.9	21.2	88	13	30	65-140	
Toluene	23.9	23.3	87	11	30	70-125	
Chloroform	23.9	22.0	92	11	30	70-125	
Bromochloromethane	23.9	21.9	91	14	30	70-125	
trans-1,3-Dichloropropene	23.9	19.2	80	10	30	65-125	
Trichloroethene	23.9	23.3	97	10	30	75-125	
Vinyl chloride	23.9	20.5	86	6	30	60-125	
Chloroethane	23.9	24.6	103	9	30	40-155	
Xylenes, Total	71.8	65.9	92	11	30	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: UX82498.D Lab Sample ID: MB 240-68879/7

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX8 Date Analyzed: 12/15/2012 19:02

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-68879/6	UX82497.D	12/15/2012 18:40
070SB-043M-0001-SO	240-18581-2	UX82521.D	12/16/2012 03:22

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: UX82531.D Lab Sample ID: MB 240-68905/7

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX8 Date Analyzed: 12/17/2012 01:09

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-68905/6	UX82530.D	12/17/2012 00:47
070SB-0042M-0001-SO	240-18581-1	UX82538.D	12/17/2012 03:50
070SB-0042M-0001-SO MS	240-18581-1 MS	UX82539.D	12/17/2012 04:11
070SB-0042M-0001-SO MSD	240-18581-1 MSD	UX82540.D	12/17/2012 04:32
070SB-044M-0001-SO	240-18581-3	UX82541.D	12/17/2012 04:53
070SB-044M-0001-SO MS	240-18581-3 MS	UX82542.D	12/17/2012 05:15
070SB-044M-0001-SO MSD	240-18581-3 MSD	UX82543.D	12/17/2012 05:36
070SB-046M-0001-SO	240-18581-5	UX82544.D	12/17/2012 05:57
070SB-046M-0001-SO MS	240-18581-5 MS	UX82545.D	12/17/2012 06:19
070SB-046M-0001-SO MSD	240-18581-5 MSD	UX82546.D	12/17/2012 06:40
072SB-0056-0001-SO	240-18581-7	UX82547.D	12/17/2012 07:01
072SB-0057-0001-SO	240-18581-8	UX82548.D	12/17/2012 07:22
072SB-0058-0001-SO	240-18581-9	UX82549.D	12/17/2012 07:44
072SB-0059-0001-SO	240-18581-10	UX82550.D	12/17/2012 08:05
072SB-0060-0001-SO	240-18581-11	UX82551.D	12/17/2012 08:26
072SB-0070-0001-SO	240-18581-13	UX82552.D	12/17/2012 08:47
072SB-0071-0001-SO	240-18581-14	UX82553.D	12/17/2012 09:09
072SB-0072-0001-SO	240-18581-15	UX82554.D	12/17/2012 09:30
072SB-0073-0001-SO	240-18581-16	UX82555.D	12/17/2012 09:51

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: UXJ8972.D Lab Sample ID: MB 240-68395/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX11 Date Analyzed: 12/12/2012 14:01

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-68395/5	UXJ8970.D	12/12/2012 13:15
072SB-0061-0001-TB	240-18581-12	UXJ8986.D	12/12/2012 19:19
070SB-0074-0001-TB	240-18581-24	UXJ8987.D	12/12/2012 19:41

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: BFB030F.D BFB Injection Date: 12/11/2012

Instrument ID: A3UX11 BFB Injection Time: 11:08

Analysis Batch No.: 68124

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.2	
75	30.0 - 60.0 % of mass 95	49.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	82.8	
175	5.0 - 9.0 % of mass 174	7.4	(8.9)1
176	95.0 - 101.0 % of mass 174	80.0	(96.7)1
177	5.0 - 9.0 % of mass 176	5.4	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-68124/2	UXJ8935.D	12/11/2012	11:39
	STD8260 240-68124/3	UXJ8936.D	12/11/2012	12:01
	STD8260 240-68124/4	UXJ8937.D	12/11/2012	12:24
	STD8260 240-68124/5	UXJ8938.D	12/11/2012	12:47
	STD8260 240-68124/6	UXJ8939.D	12/11/2012	13:09
	STD8260 240-68124/7	UXJ8940.D	12/11/2012	13:32
	ICV 240-68124/14	UXJ8947.D	12/11/2012	16:10

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: BFB031C.D BFB Injection Date: 12/12/2012

Instrument ID: A3UX11 BFB Injection Time: 10:59

Analysis Batch No.: 68395

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	50.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	86.8	
175	5.0 - 9.0 % of mass 174	7.6	(8.8)1
176	95.0 - 101.0 % of mass 174	83.8	(96.6)1
177	5.0 - 9.0 % of mass 176	5.6	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-68395/3	UXJ8967.D	12/12/2012	12:07
	CCV 240-68395/2	UXJ8968.D	12/12/2012	12:30
	MRL 240-68395/4	UXJ8969.D	12/12/2012	12:52
	LCS 240-68395/5	UXJ8970.D	12/12/2012	13:15
	MB 240-68395/6	UXJ8972.D	12/12/2012	14:01
072SB-0061-0001-TB	240-18581-12	UXJ8986.D	12/12/2012	19:19
070SB-0074-0001-TB	240-18581-24	UXJ8987.D	12/12/2012	19:41
	MRL 240-68395/22	UXJ8988.D	12/12/2012	20:04

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: BFB8153.D BFB Injection Date: 12/14/2012

Instrument ID: A3UX8 BFB Injection Time: 20:55

Analysis Batch No.: 68830

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.8	
75	30.0 - 60.0 % of mass 95	47.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.3	(0.3)1
174	50.0 - 120.00 % of mass 95	89.2	
175	5.0 - 9.0 % of mass 174	6.7	(7.5)1
176	95.0 - 101.0 % of mass 174	86.2	(96.6)1
177	5.0 - 9.0 % of mass 176	5.5	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-68830/3	UX82456.D	12/14/2012	21:39
	STD8260 240-68830/4	UX82457.D	12/14/2012	22:01
	STD8260 240-68830/5	UX82458.D	12/14/2012	22:22
	ICIS 240-68830/6	UX82459.D	12/14/2012	22:43
	STD8260 240-68830/7	UX82460.D	12/14/2012	23:04
	STD8260 240-68830/8	UX82461.D	12/14/2012	23:26
	STD8260 240-68830/9	UX82462.D	12/14/2012	23:47
	STD8260 240-68830/10	UX82463.D	12/15/2012	00:08
	ICV 240-68830/12	UX82465.D	12/15/2012	00:50

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: BFB8155.D BFB Injection Date: 12/15/2012

Instrument ID: A3UX8 BFB Injection Time: 16:52

Analysis Batch No.: 68879

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	28.9	
75	30.0 - 60.0 % of mass 95	47.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	88.1	
175	5.0 - 9.0 % of mass 174	6.4	(7.2)1
176	95.0 - 101.0 % of mass 174	85.6	(97.1)1
177	5.0 - 9.0 % of mass 176	5.4	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-68879/3	UX82494.D	12/15/2012	17:36
	CCV 240-68879/4	UX82495.D	12/15/2012	17:58
	MRL 240-68879/5	UX82496.D	12/15/2012	18:19
	LCS 240-68879/6	UX82497.D	12/15/2012	18:40
	MB 240-68879/7	UX82498.D	12/15/2012	19:02
070SB-043M-0001-SO	240-18581-2	UX82521.D	12/16/2012	03:22
	MRL 240-68879/33	UX82524.D	12/16/2012	04:26

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: BFB8156.D BFB Injection Date: 12/16/2012

Instrument ID: A3UX8 BFB Injection Time: 22:59

Analysis Batch No.: 68905

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	29.1	
75	30.0 - 60.0 % of mass 95	48.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	86.8	
175	5.0 - 9.0 % of mass 174	6.5	(7.4)1
176	95.0 - 101.0 % of mass 174	83.3	(96.0)1
177	5.0 - 9.0 % of mass 176	5.4	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-68905/3	UX82527.D	12/16/2012	23:43
	CCV 240-68905/4	UX82528.D	12/17/2012	00:05
	MRL 240-68905/5	UX82529.D	12/17/2012	00:26
	LCS 240-68905/6	UX82530.D	12/17/2012	00:47
	MB 240-68905/7	UX82531.D	12/17/2012	01:09
070SB-0042M-0001-SO	240-18581-1	UX82538.D	12/17/2012	03:50
070SB-0042M-0001-SO MS	240-18581-1 MS	UX82539.D	12/17/2012	04:11
070SB-0042M-0001-SO MSD	240-18581-1 MSD	UX82540.D	12/17/2012	04:32
070SB-044M-0001-SO	240-18581-3	UX82541.D	12/17/2012	04:53
070SB-044M-0001-SO MS	240-18581-3 MS	UX82542.D	12/17/2012	05:15
070SB-044M-0001-SO MSD	240-18581-3 MSD	UX82543.D	12/17/2012	05:36
070SB-046M-0001-SO	240-18581-5	UX82544.D	12/17/2012	05:57
070SB-046M-0001-SO MS	240-18581-5 MS	UX82545.D	12/17/2012	06:19
070SB-046M-0001-SO MSD	240-18581-5 MSD	UX82546.D	12/17/2012	06:40
072SB-0056-0001-SO	240-18581-7	UX82547.D	12/17/2012	07:01
072SB-0057-0001-SO	240-18581-8	UX82548.D	12/17/2012	07:22
072SB-0058-0001-SO	240-18581-9	UX82549.D	12/17/2012	07:44
072SB-0059-0001-SO	240-18581-10	UX82550.D	12/17/2012	08:05
072SB-0060-0001-SO	240-18581-11	UX82551.D	12/17/2012	08:26
072SB-0070-0001-SO	240-18581-13	UX82552.D	12/17/2012	08:47
072SB-0071-0001-SO	240-18581-14	UX82553.D	12/17/2012	09:09
072SB-0072-0001-SO	240-18581-15	UX82554.D	12/17/2012	09:30
072SB-0073-0001-SO	240-18581-16	UX82555.D	12/17/2012	09:51
	MRL 240-68905/33	UX82557.D	12/17/2012	10:34

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: STD8260 240-68124/4 Date Analyzed: 12/11/2012 12:24

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXJ8937.D Heated Purge: (Y/N) N

Calibration ID: 12758

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1292131	5.12	796303	7.79	287233	10.03
UPPER LIMIT		2584262	5.62	1592606	8.29	574466	10.53
LOWER LIMIT		646066	4.62	398152	7.29	143617	9.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-68124/14		1322071	5.12	827987	7.79	310940	10.03
CCV 240-68395/3		1202260	5.12	712711	7.79	229738	10.03
CCV 240-68395/2		1201872	5.12	719895	7.79	225710	10.03
MRL 240-68395/4		1186761	5.12	701213	7.79	221540	10.03
LCS 240-68395/5		1172725	5.12	702363	7.79	234724	10.03
MB 240-68395/6		1177245	5.12	682350	7.79	221257	10.03
240-18581-12	072SB-0061-0001-TB	1179184	5.12	712030	7.79	221075	10.03
240-18581-24	070SB-0074-0001-TB	1178459	5.12	706135	7.79	215527	10.03
MRL 240-68395/22		1190201	5.12	700937	7.79	220640	10.03

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: ICIS 240-68830/6 Date Analyzed: 12/14/2012 22:43

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX82459.D Heated Purge: (Y/N) Y

Calibration ID: 12843

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1564357	5.16	1179556	7.68	601402	9.88
UPPER LIMIT		3128714	5.66	2359112	8.18	1202804	10.38
LOWER LIMIT		782179	4.66	589778	7.18	300701	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-68830/12		1642552	5.16	1158331	7.68	577663	9.88
CCV 240-68879/3		1581713	5.16	1154408	7.69	602285	9.88
CCV 240-68879/4		1555877	5.15	1115551	7.68	588224	9.88
MRL 240-68879/5		1508888	5.16	1125990	7.69	577362	9.88
LCS 240-68879/6		1544787	5.16	1119401	7.69	552203	9.88
MB 240-68879/7		1538232	5.16	1100464	7.68	560099	9.88
240-18581-2	070SB-043M-0001-SO	1553176	5.16	1084313	7.69	514677	9.88
MRL 240-68879/33		1565608	5.16	1087009	7.69	543459	9.87
CCV 240-68905/3		1560381	5.16	1096053	7.69	556088	9.88
CCV 240-68905/4		1516784	5.16	1096917	7.69	551156	9.87
MRL 240-68905/5		1451421	5.16	1066117	7.69	535446	9.88
LCS 240-68905/6		1491884	5.16	1048746	7.68	523431	9.88
MB 240-68905/7		1459184	5.16	1083214	7.69	538622	9.88
240-18581-1	070SB-0042M-0001-SO	1610164	5.16	1146299	7.69	580264	9.88
240-18581-1 MS	070SB-0042M-0001-SO MS	1471367	5.16	1018987	7.69	437296	9.88
240-18581-1 MSD	070SB-0042M-0001-SO MSD	1505054	5.16	1078568	7.69	536306	9.88
240-18581-3	070SB-044M-0001-SO	1476350	5.16	899021	7.68	268033Q	9.88
240-18581-3 MS	070SB-044M-0001-SO MS	1499130	5.15	1123160	7.69	568926	9.87
240-18581-3 MSD	070SB-044M-0001-SO MSD	1473622	5.16	899406	7.69	257297Q	9.88
240-18581-5	070SB-046M-0001-SO	1479996	5.16	1049279	7.68	453429	9.88
240-18581-5 MS	070SB-046M-0001-SO MS	1522914	5.16	1110232	7.68	569542	9.88
240-18581-5 MSD	070SB-046M-0001-SO MSD	1596057	5.16	1162033	7.69	589711	9.88
240-18581-7	072SB-0056-0001-SO	1562903	5.16	1180461	7.68	597090	9.88
240-18581-8	072SB-0057-0001-SO	1545469	5.16	1119616	7.68	570908	9.88
240-18581-9	072SB-0058-0001-SO	1599288	5.16	1171068	7.68	577798	9.88
240-18581-10	072SB-0059-0001-SO	1648114	5.16	1180050	7.68	601331	9.88
240-18581-11	072SB-0060-0001-SO	1541756	5.16	1179936	7.69	595340	9.88

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: ICIS 240-68830/6 Date Analyzed: 12/14/2012 22:43

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX82459.D Heated Purge: (Y/N) Y

Calibration ID: 12843

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1564357	5.16	1179556	7.68	601402	9.88
UPPER LIMIT		3128714	5.66	2359112	8.18	1202804	10.38
LOWER LIMIT		782179	4.66	589778	7.18	300701	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-18581-13	072SB-0070-0001-SO	1580751	5.16	1156931	7.69	585941	9.88
240-18581-14	072SB-0071-0001-SO	1599399	5.16	1170271	7.69	576560	9.88
240-18581-15	072SB-0072-0001-SO	1562228	5.15	1188376	7.68	595381	9.88
240-18581-16	072SB-0073-0001-SO	1624564	5.16	1170082	7.69	595826	9.87
MRL 240-68905/33		1488713	5.16	1068309	7.69	549866	9.88

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO | Lab Sample ID: 240-18581-1

Matrix: Solid | Lab File ID: UX82538.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 11:45

Sample wt/vol: 6.895(g) | Date Analyzed: 12/17/2012 03:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.6 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.89	U	4.5	0.89	0.50
79-34-5	1,1,2,2-Tetrachloroethane	0.45	U	4.5	0.45	0.30
79-00-5	1,1,2-Trichloroethane	0.45	U	4.5	0.45	0.35
75-34-3	1,1-Dichloroethane	0.45	U	4.5	0.45	0.32
75-35-4	1,1-Dichloroethene	0.89	U	4.5	0.89	0.46
106-93-4	1,2-Dibromoethane	0.89	U	4.5	0.89	0.45
107-06-2	1,2-Dichloroethane	0.45	U	4.5	0.45	0.30
540-59-0	1,2-Dichloroethene, Total	0.89	U	8.9	0.89	0.69
78-87-5	1,2-Dichloropropane	0.89	U	4.5	0.89	0.62
78-93-3	2-Butanone (MEK)	6.2	J	18	1.8	1.2
591-78-6	2-Hexanone	0.89	U	18	0.89	0.56
108-10-1	4-Methyl-2-pentanone (MIBK)	0.89	U	18	0.89	0.48
67-64-1	Acetone	24		18	5.6	5.6
71-43-2	Benzene	0.73	J	4.5	0.45	0.21
74-97-5	Bromochloromethane	0.89	U	4.5	0.89	0.63
75-27-4	Bromodichloromethane	0.45	U	4.5	0.45	0.25
75-25-2	Bromoform	0.45	U	4.5	0.45	0.29
74-83-9	Bromomethane	0.89	U	4.5	0.89	0.48
75-15-0	Carbon disulfide	0.45	U	4.5	0.45	0.39
56-23-5	Carbon tetrachloride	0.45	U	4.5	0.45	0.33
108-90-7	Chlorobenzene	0.45	U	4.5	0.45	0.29
75-00-3	Chloroethane	0.89	U	4.5	0.89	0.77
67-66-3	Chloroform	0.45	U	4.5	0.45	0.26
74-87-3	Chloromethane	0.45	U	4.5	0.45	0.37
10061-01-5	cis-1,3-Dichloropropene	0.45	U	4.5	0.45	0.30
124-48-1	Dibromochloromethane	0.89	U	4.5	0.89	0.49
100-41-4	Ethylbenzene	4.7		4.5	0.45	0.23
1634-04-4	Methyl tert-butyl ether	0.45	U	4.5	0.45	0.38
75-09-2	Methylene Chloride	0.89	U	4.5	0.89	0.60
100-42-5	Styrene	0.45	U	4.5	0.45	0.13
127-18-4	Tetrachloroethene	0.89	U	4.5	0.89	0.46
108-88-3	Toluene	2.7	J	4.5	0.45	0.24
10061-02-6	trans-1,3-Dichloropropene	0.89	U	4.5	0.89	0.48
79-01-6	Trichloroethene	0.45	U	4.5	0.45	0.37
75-01-4	Vinyl chloride	0.45	U	4.5	0.45	0.35
1330-20-7	Xylenes, Total	20		8.9	1.3	0.60

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO Lab Sample ID: 240-18581-1

Matrix: Solid Lab File ID: UX82538.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 11:45

Sample wt/vol: 6.895(g) Date Analyzed: 12/17/2012 03:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.6 Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		61-130
460-00-4	4-Bromofluorobenzene (Surr)	89		85-120
1868-53-7	Dibromofluoromethane (Surr)	86		59-138
2037-26-5	Toluene-d8 (Surr)	88		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82538.D
Lims ID: 240-18581-D-1-A Client ID: 070SB-0042M-0001-SO
Inject. Date: 17-Dec-2012 03:50:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015896-014
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 68905 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:19:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.155	5.155	0.0	99	1610164	50.0	
* 2 Chlorobenzene-d5	117	7.686	7.686	0.0	90	1146299	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.874	0.001	98	580264	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.623	0.0	58	356416	43.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.895	4.884	0.011	91	454348	44.4	
$ 7 Toluene-d8 (Surr)	98	6.421	6.421	0.0	94	1286245	43.9	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.763	0.0	94	451110	44.6	
138 Butyl Methacrylate TIC	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
135 1,4-Dichlorobutane	1		0.000					
12 Dichlorodifluoromethane	85		1.583					
13 Chloromethane	50		1.749					
14 Vinyl chloride	62		1.867					
15 Bromomethane	94		2.187					
16 Chloroethane	64		2.281					
17 Dichlorofluoromethane	67		2.446					
18 Trichlorofluoromethane	101		2.506					
19 Ethyl ether	59		2.741					
20 Acrolein	56		2.837					
25 Methylal	45		2.856					
21 1,1-Dichloroethene	96		2.932					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.944					
22 Acetone	43	2.955	2.956	-0.001	96	128018	27.4	
24 Iodomethane	142		3.050					
26 Carbon disulfide	76	3.109	3.109	0.0	63	2483	0.1632	
27 Acetonitrile	41		3.168					
29 3-Chloro-1-propene	76		3.215					
28 Methyl acetate	43		3.216					9
30 Methylene Chloride	84		3.299					
31 2-Methyl-2-propanol	59		3.369					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
32 Acrylonitrile	53		3.476					
34 Methyl tert-butyl ether	73		3.523					
33 trans-1,2-Dichloroethene	96		3.523					
35 Hexane	86	3.736	3.736	0.0	83	2411	1.33	
36 1,1-Dichloroethane	63		3.831					
37 Vinyl acetate	86		3.854					
38 Isopropyl ether	87		3.877					
39 2-Chloro-1,3-butadiene	53		3.913					
40 Tert-butyl ethyl ether	59		4.149					9
41 2-Butanone (MEK)	43	4.268	4.268	0.0	92	44238	6.97	
42 cis-1,2-Dichloroethene	96		4.268					
43 2,2-Dichloropropane	77		4.280					
45 Ethyl acetate	43		4.303					9
44 Propionitrile	54		4.303					
46 Methacrylonitrile	41		4.433					9
47 Chlorobromomethane	128		4.458					
48 Tetrahydrofuran	42	4.493	4.493	0.0	10	1376	0.3584	
49 Chloroform	83		4.505					
50 1,1,1-Trichloroethane	97		4.659					
51 Cyclohexane	56	4.717	4.718	-0.001	90	31518	2.31	
52 1,1-Dichloropropene	75		4.789					
53 Carbon tetrachloride	117		4.801					
54 Isobutyl alcohol	41		4.811					
55 Benzene	78	4.954	4.943	0.011	80	20704	0.8215	
56 1,2-Dichloroethane	62		4.943					
57 Tert-amyl methyl ether	73		5.013					
58 n-Heptane	100	5.143	5.131	0.012	85	4343	2.16	
59 n-Butanol	56		5.320					9
60 Trichloroethene	130		5.439					
61 Ethyl acrylate	55		5.487					
63 Methylcyclohexane	83	5.616	5.605	0.011	94	101616	9.40	
62 1,2-Dichloropropane	63		5.617					9
64 Methyl methacrylate	41		5.675					9
65 Dibromomethane	93		5.712					
66 1,4-Dioxane	88		5.712					
67 Dichlorobromomethane	83		5.818					
68 2-Nitropropane	41		5.994					
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75		6.185					
71 4-Methyl-2-pentanone (MIBK)	43		6.303					9
72 Toluene	91	6.480	6.480	0.0	92	87286	3.08	
73 trans-1,3-Dichloropropene	75		6.646					
74 Ethyl methacrylate	69		6.705					
75 1,1,2-Trichloroethane	97		6.800					9
77 Tetrachloroethene	164		6.954					
76 1,3-Dichloropropane	76		6.954					
78 2-Hexanone	43		7.001					
132 n-Butyl acetate	43		7.106					19
79 Chlorodibromomethane	129		7.155					
80 Tetrahydrothiophene	60		7.255					
123 Ethylene Dibromide	107		7.273					
81 1-Chlorohexane	91		7.663					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Chlorobenzene	112		7.711					
83 1,1,1,2-Tetrachloroethane	131		7.770					
84 Ethylbenzene	106	7.793	7.793	0.0	97	51774	5.30	
10 m-Xylene & p-Xylene	106	7.899	7.900	-0.001	98	165995	14.1	
85 o-Xylene	106	8.278	8.267	0.012	96	93413	8.36	
86 Styrene	104		8.278					9
87 Bromoform	173		8.456					
88 Isopropylbenzene	105	8.609	8.610	-0.001	87	87318	3.08	
89 Cyclohexanone	55		8.703					9
90 1,1,2,2-Tetrachloroethane	83		8.870					
91 Bromobenzene	156		8.917					
92 1,2,3-Trichloropropane	110		8.929					
93 trans-1,4-Dichloro-2-butene	53		8.929					
94 N-Propylbenzene	120	8.999	9.000	-0.001	93	25103	3.16	
95 2-Chlorotoluene	126		9.095					
96 1,3,5-Trimethylbenzene	105	9.165	9.165	0.0	94	217146	9.45	
104 4-Chlorotoluene	126		9.189					
97 tert-Butylbenzene	119		9.485					
98 1,2,4-Trimethylbenzene	105	9.532	9.532	0.0	98	1094632	47.5	
99 sec-Butylbenzene	105	9.697	9.698	-0.001	41	25956	0.9021	
100 1,3-Dichlorobenzene	146		9.816					
101 4-Isopropyltoluene	119	9.839	9.840	-0.001	52	55673	2.31	
102 1,4-Dichlorobenzene	146		9.899					
103 1,2,3-Trimethylbenzene	105	9.946	9.945	0.001	98	455613	19.6	
133 Benzyl chloride	126		10.016					
105 n-Butylbenzene	91		10.242					
106 1,2-Dichlorobenzene	146		10.266					
107 1,2-Dibromo-3-Chloropropane	157		11.023					
108 1,3,5-Trichlorobenzene	180		11.247					
109 1,2,4-Trichlorobenzene	180		11.862					
110 Hexachlorobutadiene	225		12.028					
111 Naphthalene	128	12.098	12.111	-0.013	97	935941	53.1	
112 1,2,3-Trichlorobenzene	180		12.359					
113 2-Methylnaphthalene	142	13.423	13.423	0.0	89	823601	88.4	
S 136 Trihalomethanes, Total	1		0.000					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106				0		22.5	
T 137 Hexachloroethane TIC	166		10.500					1

QC Flag Legend

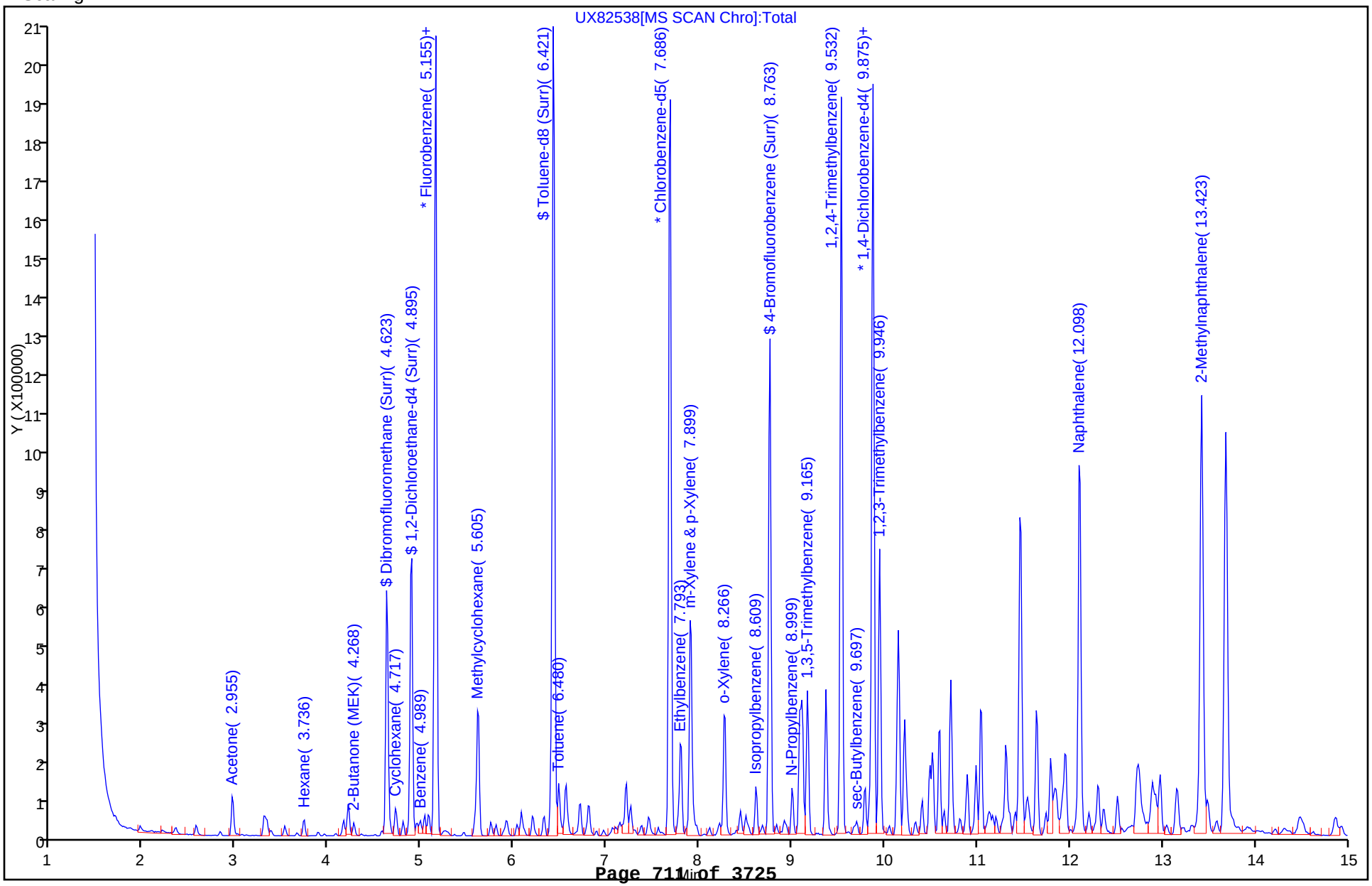
Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

Report Date: 20-Dec-2012 03:33:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82538.D		
Injection Date:	17-Dec-2012 03:50:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	14
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



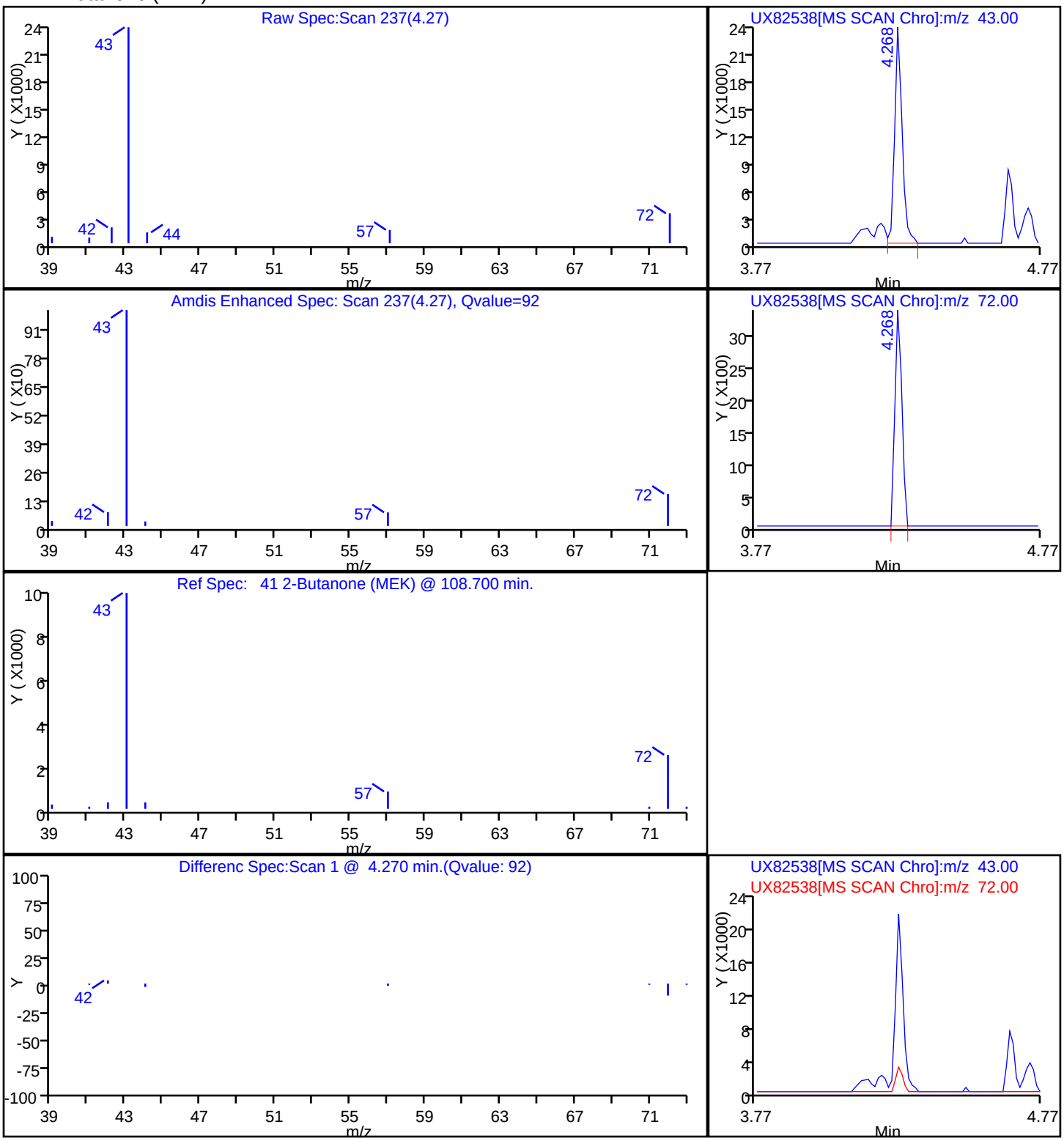
Report Date: 20-Dec-2012 03:33:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82538.D

Injection Date:	17-Dec-2012 03:50:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	14
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



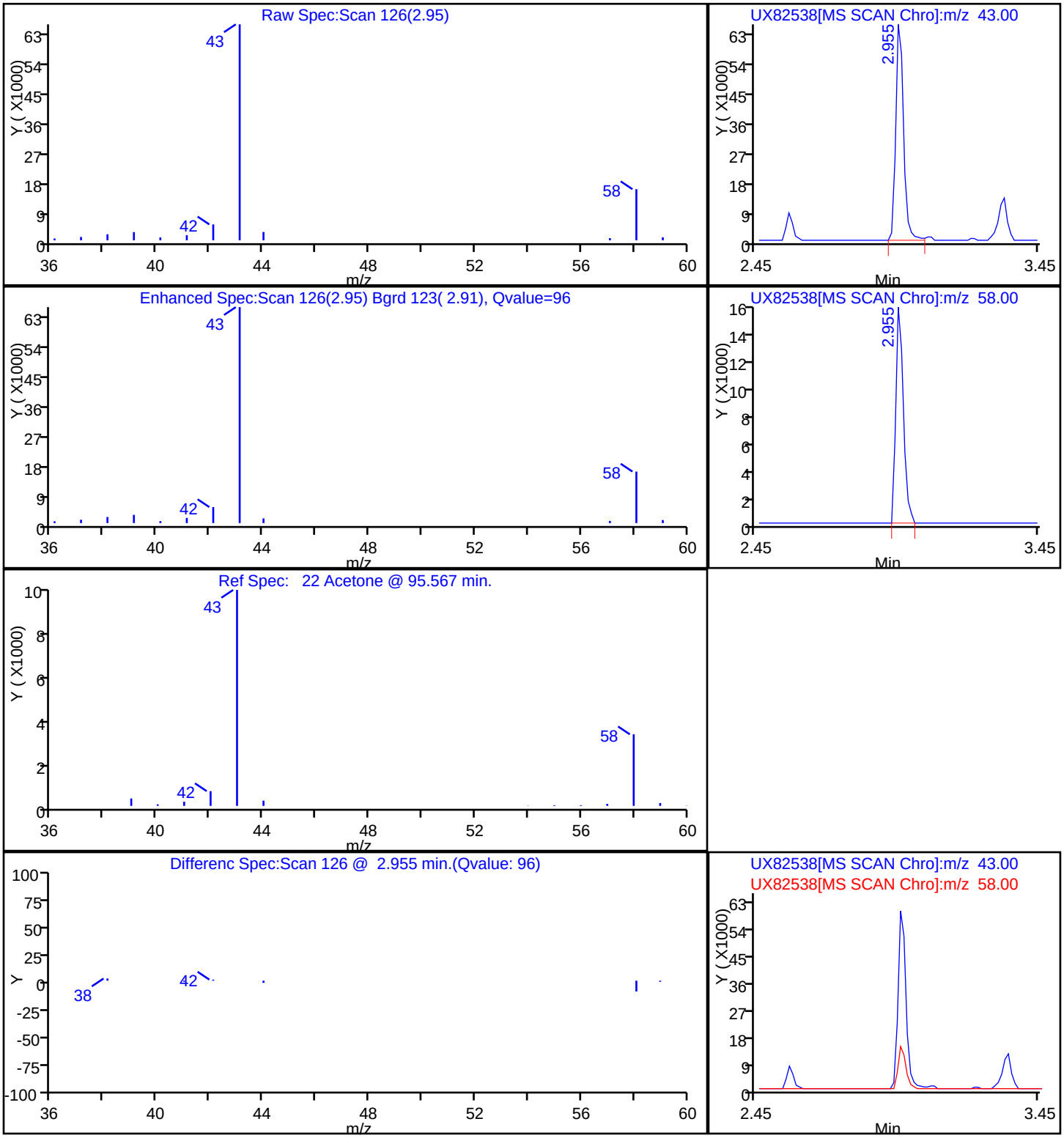
Report Date: 20-Dec-2012 03:33:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82538.D

Injection Date:	17-Dec-2012 03:50:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	14
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



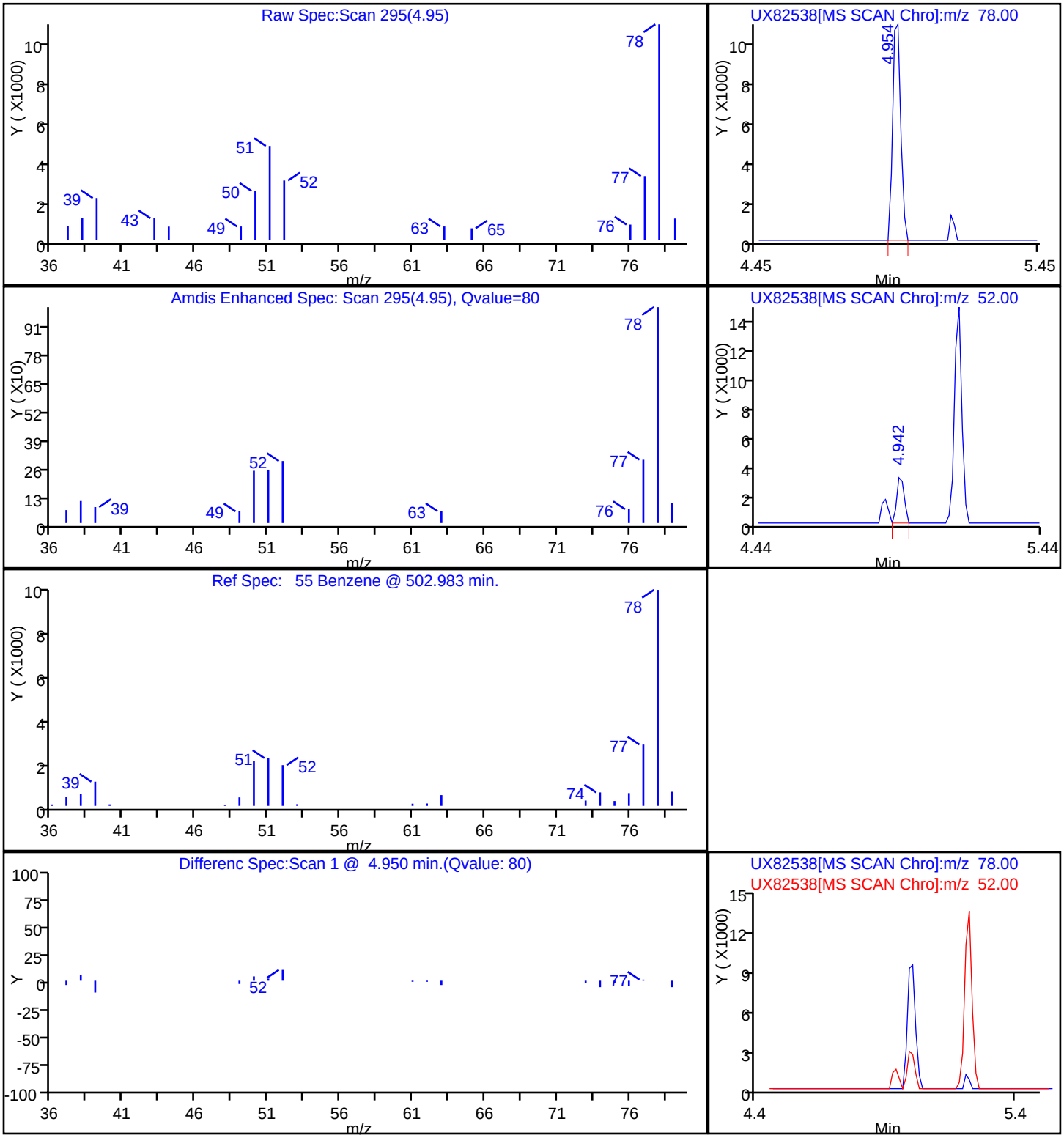
Report Date: 20-Dec-2012 03:33:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82538.D

Injection Date:	17-Dec-2012 03:50:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	14
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

55 Benzene



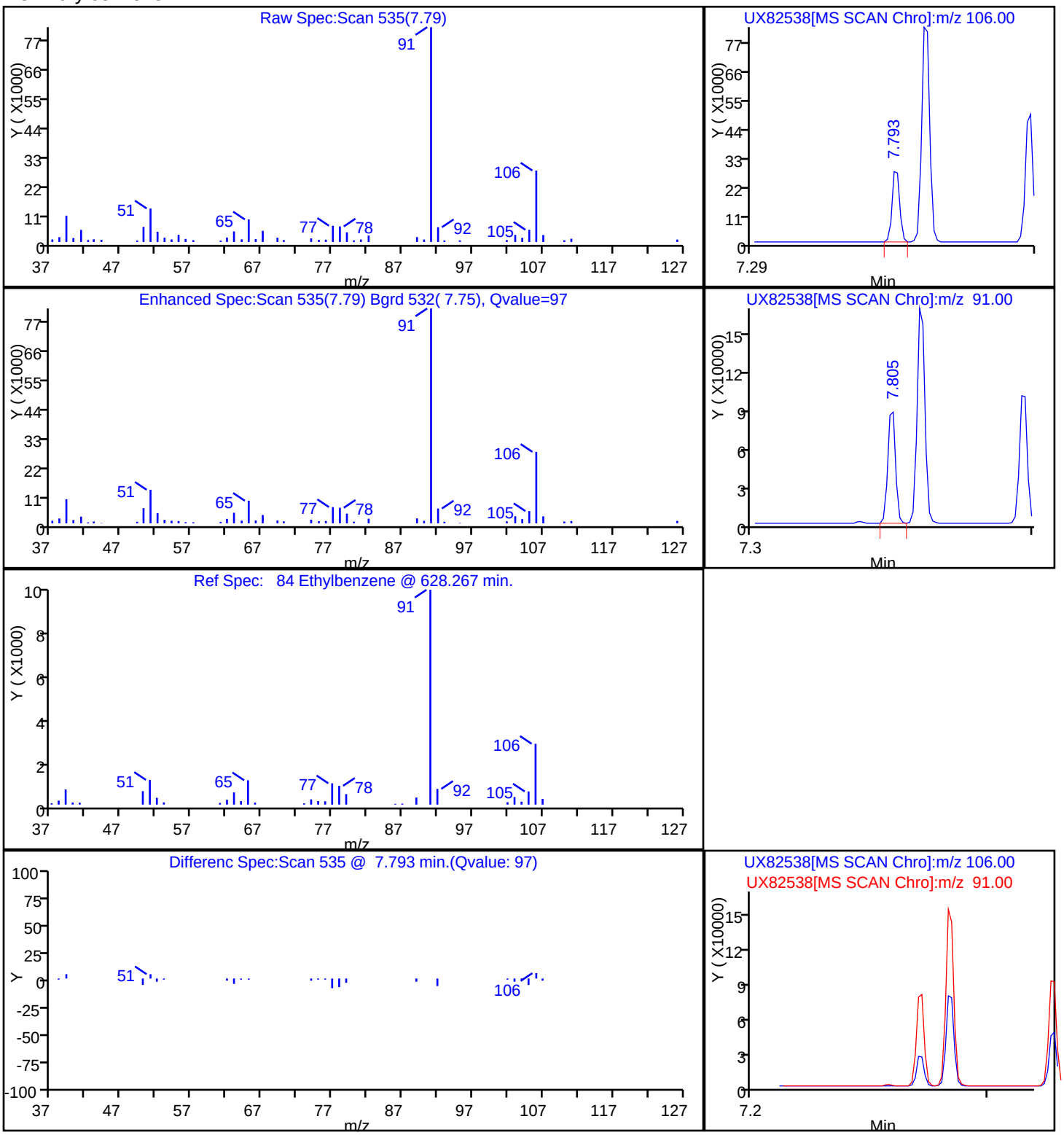
Report Date: 20-Dec-2012 03:33:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82538.D

Injection Date:	17-Dec-2012 03:50:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	14
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

84 Ethylbenzene

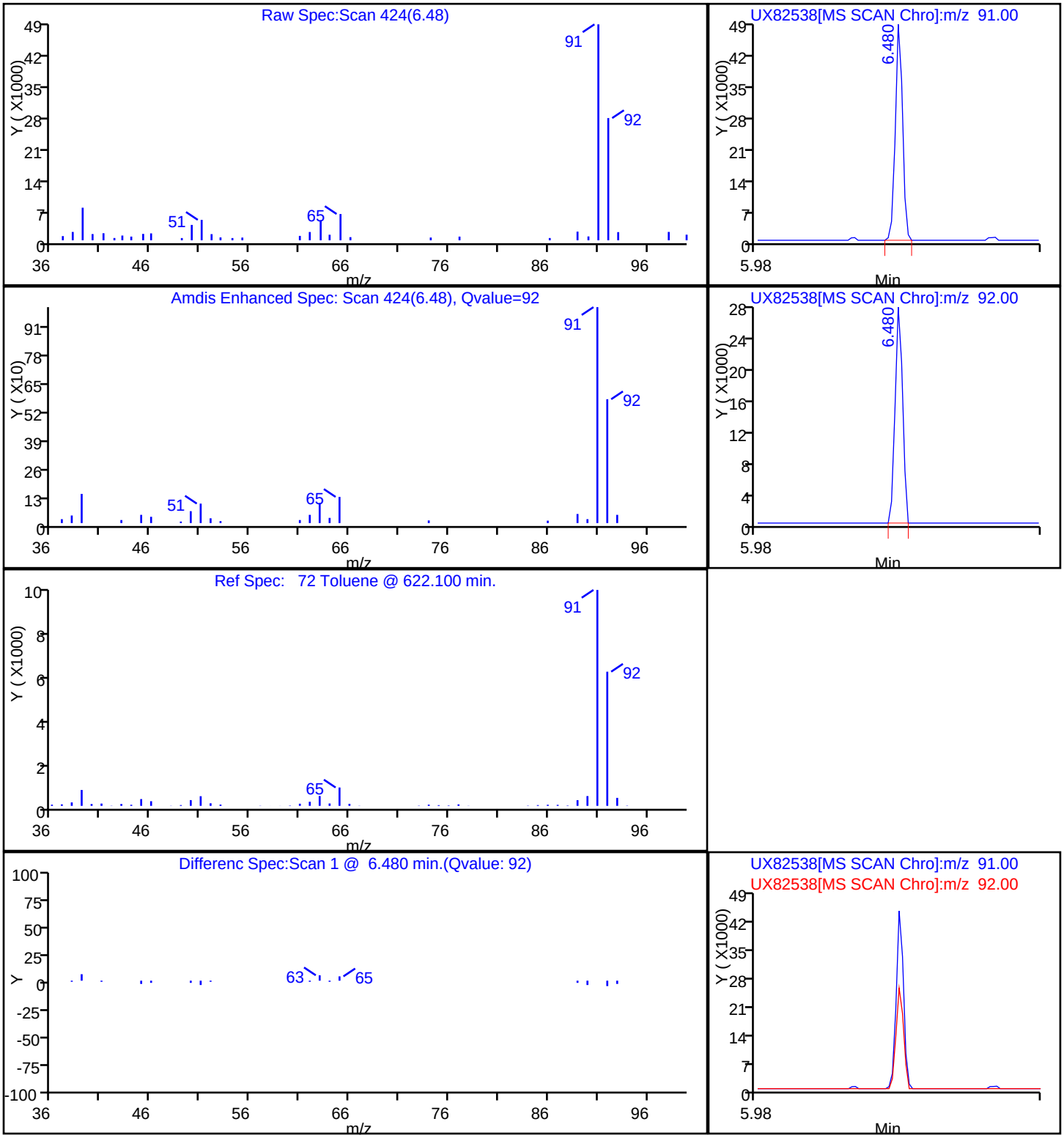


Report Date: 20-Dec-2012 03:33:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82538.D		
Injection Date:	17-Dec-2012 03:50:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	14
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



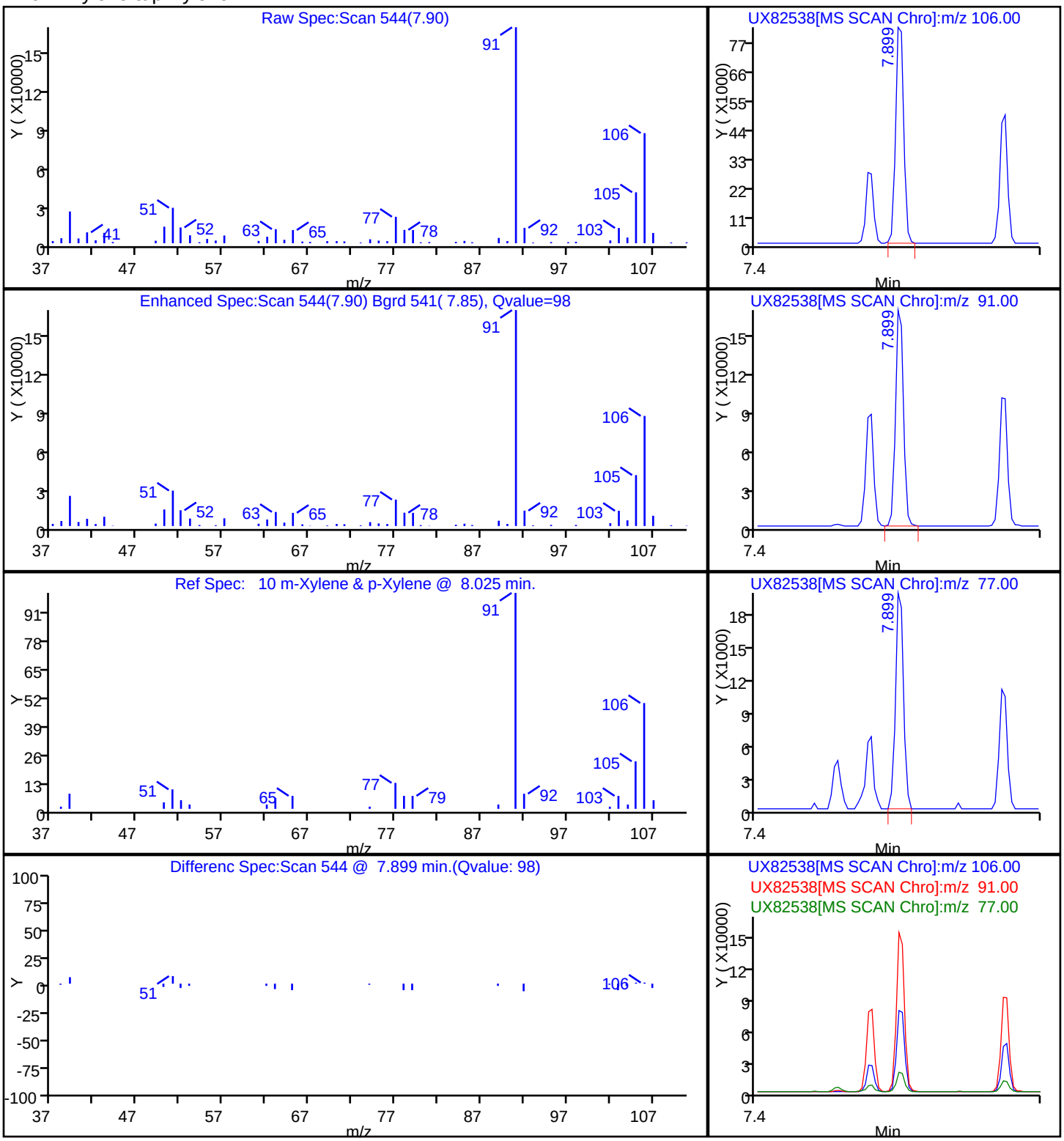
Report Date: 20-Dec-2012 03:33:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82538.D

Injection Date:	17-Dec-2012 03:50:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	14
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

10 m-Xylene & p-Xylene

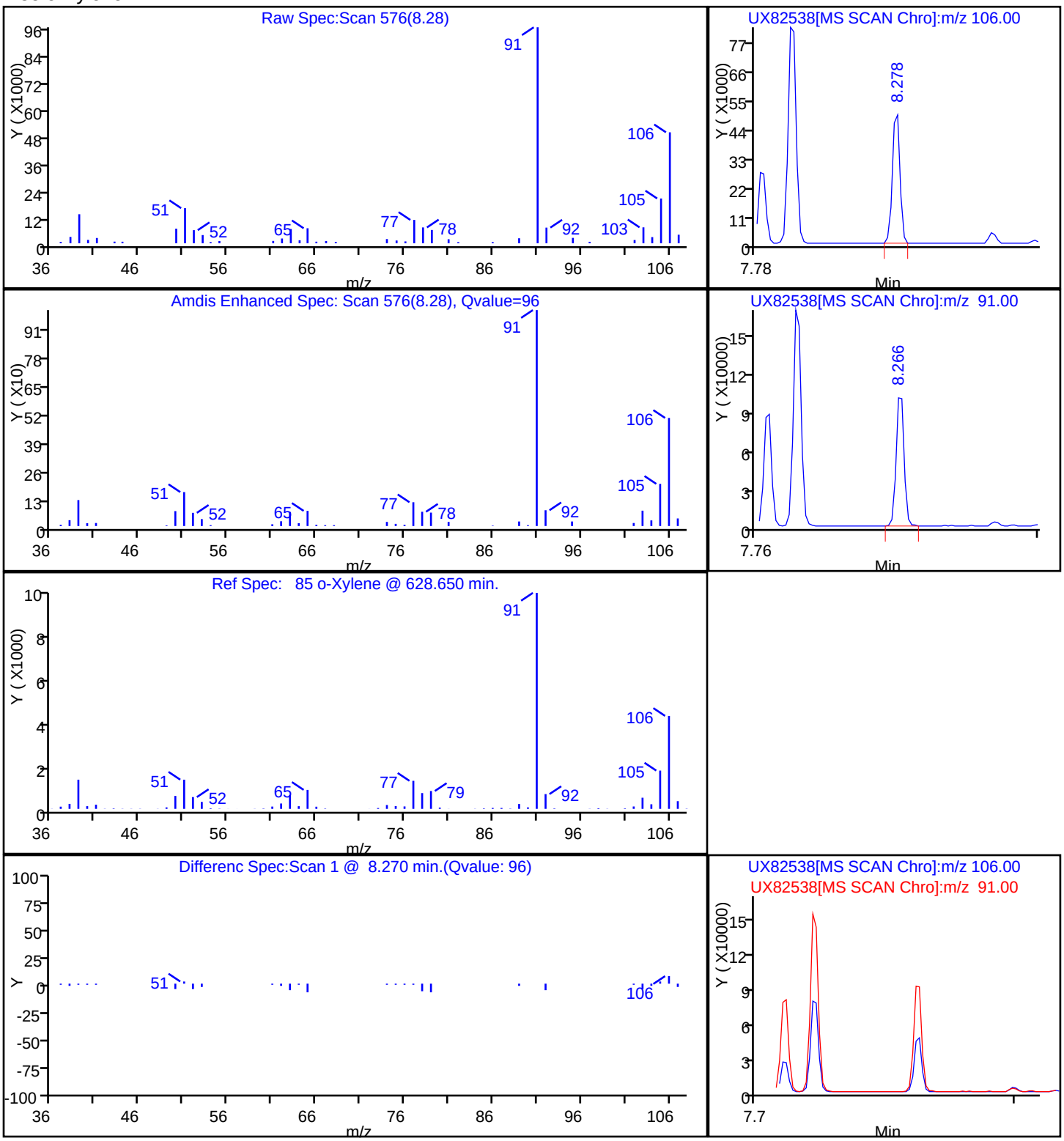


Report Date: 20-Dec-2012 03:33:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82538.D		
Injection Date:	17-Dec-2012 03:50:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	14
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

85 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-043M-0001-SO | Lab Sample ID: 240-18581-2

Matrix: Solid | Lab File ID: UX82521.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 11:45

Sample wt/vol: 5.832(g) | Date Analyzed: 12/16/2012 03:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 20.1 | Level: (low/med) Low

Analysis Batch No.: 68879 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.1	U	5.4	1.1	0.60
79-34-5	1,1,2,2-Tetrachloroethane	0.54	U	5.4	0.54	0.36
79-00-5	1,1,2-Trichloroethane	0.54	U	5.4	0.54	0.42
75-34-3	1,1-Dichloroethane	0.54	U	5.4	0.54	0.39
75-35-4	1,1-Dichloroethene	1.1	U	5.4	1.1	0.56
106-93-4	1,2-Dibromoethane	1.1	U	5.4	1.1	0.54
107-06-2	1,2-Dichloroethane	0.54	U	5.4	0.54	0.36
540-59-0	1,2-Dichloroethene, Total	1.1	U	11	1.1	0.83
78-87-5	1,2-Dichloropropane	1.1	U	5.4	1.1	0.74
78-93-3	2-Butanone (MEK)	5.5	J	21	2.1	1.5
591-78-6	2-Hexanone	1.1	U	21	1.1	0.68
108-10-1	4-Methyl-2-pentanone (MIBK)	1.1	U	21	1.1	0.58
67-64-1	Acetone	27		21	6.8	6.8
71-43-2	Benzene	0.84	J	5.4	0.54	0.25
74-97-5	Bromochloromethane	1.1	U	5.4	1.1	0.76
75-27-4	Bromodichloromethane	0.54	U	5.4	0.54	0.30
75-25-2	Bromoform	0.54	U	5.4	0.54	0.35
74-83-9	Bromomethane	1.1	U	5.4	1.1	0.58
75-15-0	Carbon disulfide	0.54	U	5.4	0.54	0.47
56-23-5	Carbon tetrachloride	0.54	U	5.4	0.54	0.40
108-90-7	Chlorobenzene	0.54	U	5.4	0.54	0.35
75-00-3	Chloroethane	1.1	U	5.4	1.1	0.92
67-66-3	Chloroform	0.54	U	5.4	0.54	0.31
74-87-3	Chloromethane	0.54	U	5.4	0.54	0.44
10061-01-5	cis-1,3-Dichloropropene	0.54	U	5.4	0.54	0.36
124-48-1	Dibromochloromethane	1.1	U	5.4	1.1	0.59
100-41-4	Ethylbenzene	4.7	J	5.4	0.54	0.28
1634-04-4	Methyl tert-butyl ether	0.54	U	5.4	0.54	0.46
75-09-2	Methylene Chloride	1.8	J	5.4	1.1	0.72
100-42-5	Styrene	0.54	U	5.4	0.54	0.16
127-18-4	Tetrachloroethene	1.1	U	5.4	1.1	0.56
108-88-3	Toluene	1.9	J	5.4	0.54	0.29
10061-02-6	trans-1,3-Dichloropropene	1.1	U	5.4	1.1	0.58
79-01-6	Trichloroethene	0.54	U	5.4	0.54	0.45
75-01-4	Vinyl chloride	0.54	U	5.4	0.54	0.42
1330-20-7	Xylenes, Total	20		11	1.6	0.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-043M-0001-SO Lab Sample ID: 240-18581-2

Matrix: Solid Lab File ID: UX82521.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 11:45

Sample wt/vol: 5.832(g) Date Analyzed: 12/16/2012 03:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 20.1 Level: (low/med) Low

Analysis Batch No.: 68879 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		61-130
460-00-4	4-Bromofluorobenzene (Surr)	93		85-120
1868-53-7	Dibromofluoromethane (Surr)	95		59-138
2037-26-5	Toluene-d8 (Surr)	99		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82521.D
Lims ID: 240-18581-B-2-A Client ID: 070SB-043M-0001-SO
Inject. Date: 16-Dec-2012 03:22:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015886-030
Misc. Info.: M21215A,8260SUX8,,402279 =M21215A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 29
Lims Batch ID: 68879 Lims Sample ID: 30
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\8260_8.m
Last Update: 19-Dec-2012 02:39:20 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK028

First Level Reviewer: latat Date: 17-Dec-2012 00:14:21

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.156	5.147	0.009	99	1553176	50.0	
* 2 Chlorobenzene-d5	117	7.687	7.678	0.009	90	1084313	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.878	-0.003	99	514677	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.624	-0.001	58	369912	47.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.883	4.884	-0.001	92	466316	48.0	
$ 7 Toluene-d8 (Surr)	98	6.421	6.421	0.0	95	1346464	49.6	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.763	0.0	93	442404	46.7	
13 Chloromethane	50		1.749					
14 Vinyl chloride	62		1.867					
15 Bromomethane	94		2.187					
16 Chloroethane	64		2.281					
21 1,1-Dichloroethene	96		2.932					
22 Acetone	43	2.955	2.956	-0.001	96	116114	25.4	
26 Carbon disulfide	76	3.109	3.109	0.0	62	2102	0.1433	
30 Methylene Chloride	84	3.298	3.299	-0.001	83	22968	1.63	
34 Methyl tert-butyl ether	73		3.523					
33 trans-1,2-Dichloroethene	96		3.523					
36 1,1-Dichloroethane	63		3.831					
42 cis-1,2-Dichloroethene	96		4.269					
41 2-Butanone (MEK)	43	4.268	4.269	-0.001	88	31621	5.16	
47 Chlorobromomethane	128		4.458					
49 Chloroform	83		4.505					
50 1,1,1-Trichloroethane	97		4.671					
53 Carbon tetrachloride	117		4.801					
56 1,2-Dichloroethane	62		4.943					
55 Benzene	78	4.954	4.943	0.011	77	19040	0.7832	
60 Trichloroethene	130		5.440					
62 1,2-Dichloropropane	63		5.617					9
67 Dichlorobromomethane	83		5.830					
70 cis-1,3-Dichloropropene	75		6.185					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43		6.303					9
72 Toluene	91	6.480	6.481	-0.001	86	46339	1.73	
73 trans-1,3-Dichloropropene	75		6.646					
75 1,1,2-Trichloroethane	97		6.800					9
77 Tetrachloroethene	164		6.966					
78 2-Hexanone	43		7.001					
79 Chlorodibromomethane	129		7.155					
123 Ethylene Dibromide	107		7.273					
82 Chlorobenzene	112		7.711					
84 Ethylbenzene	106	7.805	7.794	0.011	93	40579	4.39	
10 m-Xylene & p-Xylene	106	7.900	7.900	0.0	98	133792	12.1	
85 o-Xylene	106	8.266	8.267	-0.001	97	72714	6.88	
86 Styrene	104		8.279					9
87 Bromoform	173		8.456					
90 1,1,2,2-Tetrachloroethane	83		8.870					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106				0		18.9	

QC Flag Legend

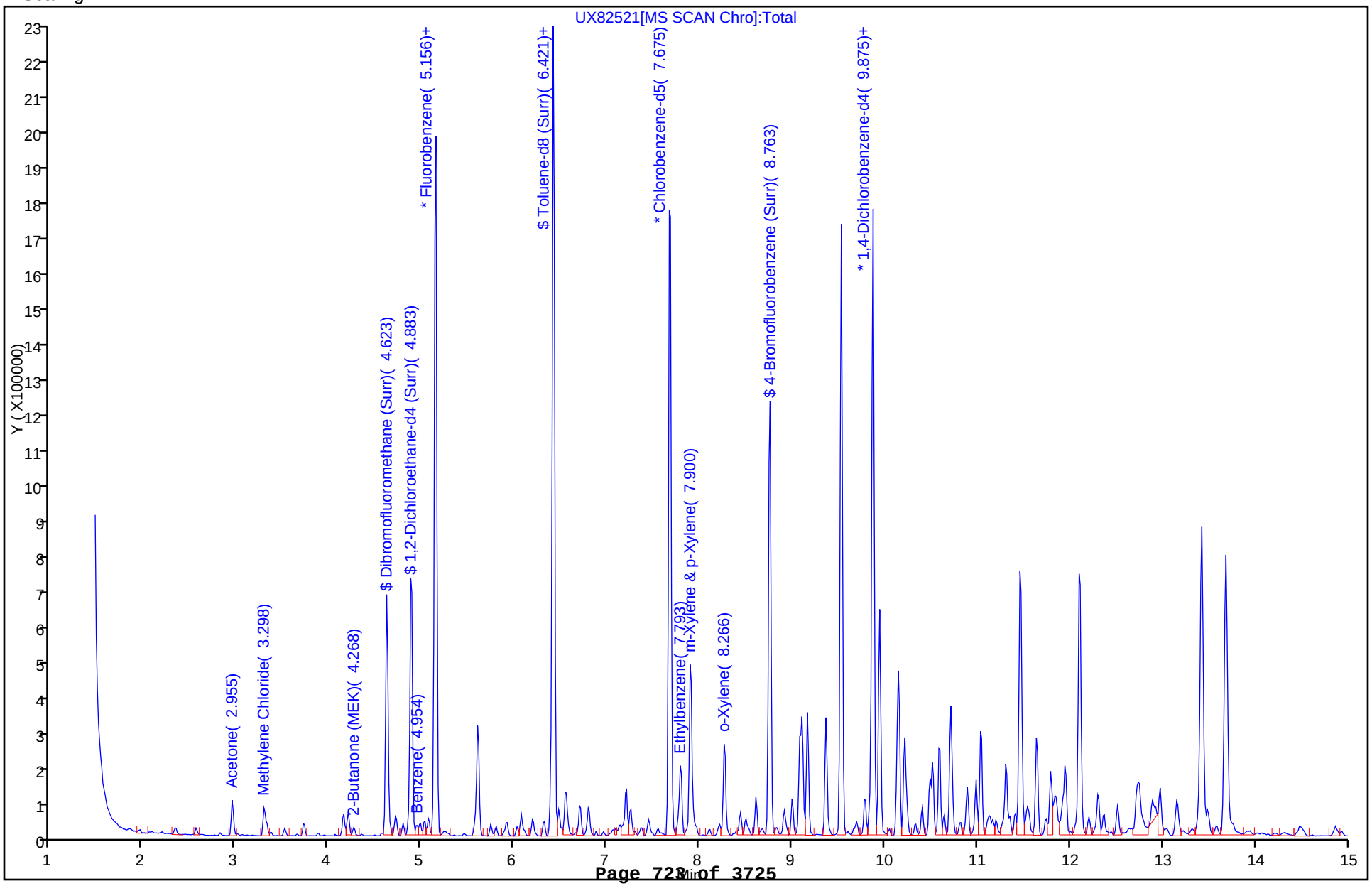
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 19-Dec-2012 02:39:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82521.D		
Injection Date:	16-Dec-2012 03:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	30
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



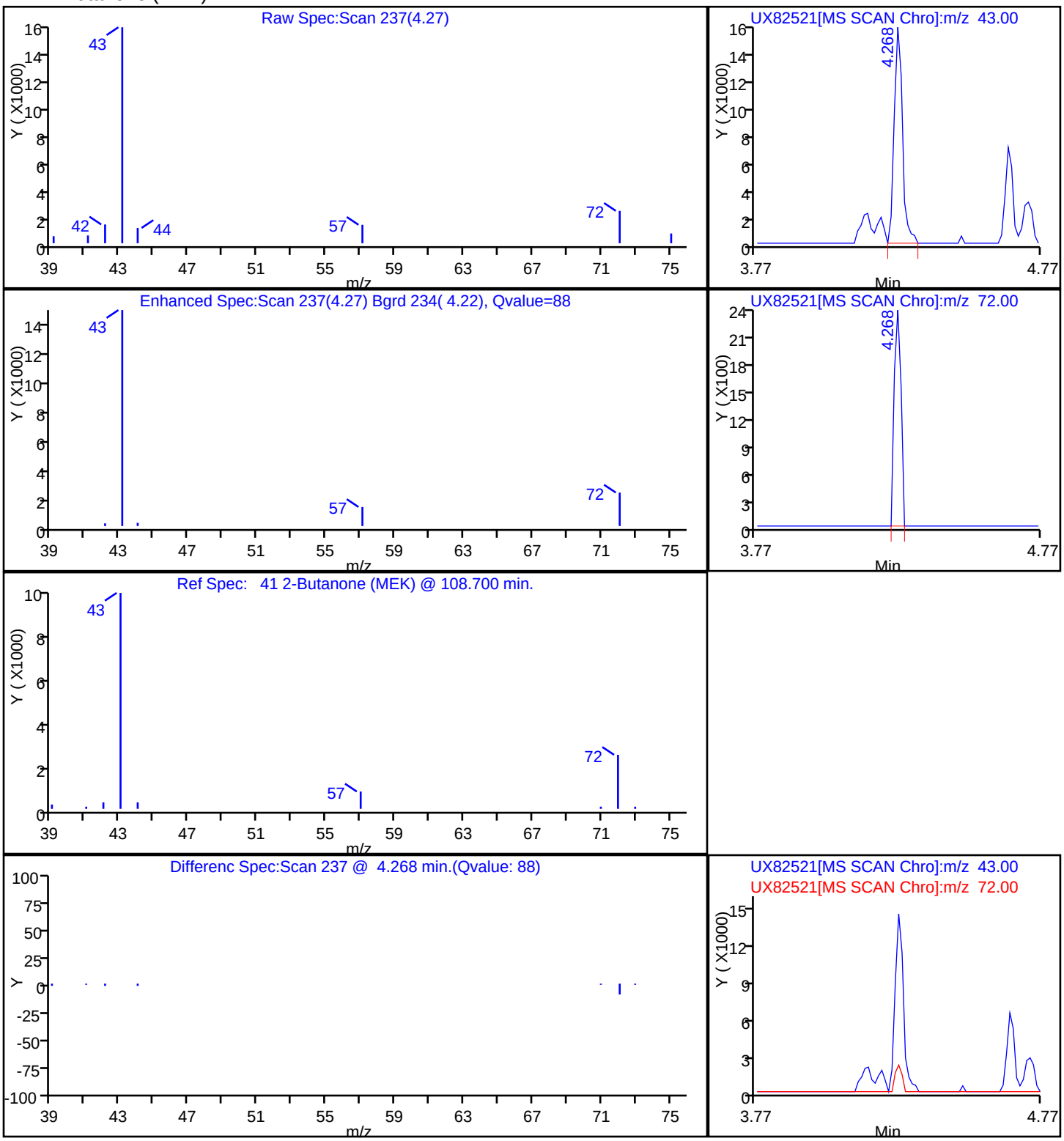
Report Date: 19-Dec-2012 02:39:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82521.D

Injection Date:	16-Dec-2012 03:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	30
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



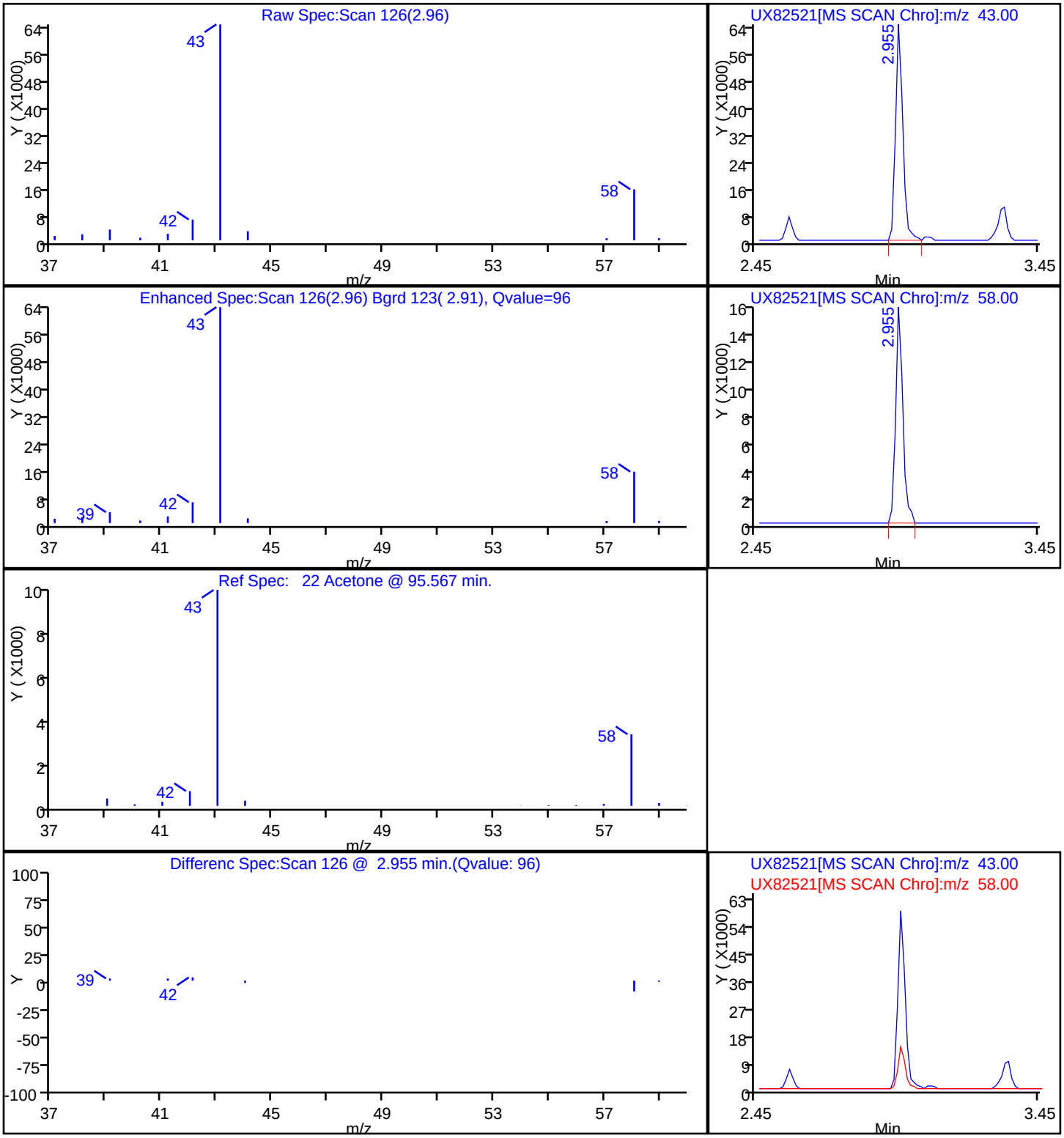
Report Date: 19-Dec-2012 02:39:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82521.D

Injection Date:	16-Dec-2012 03:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	30
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



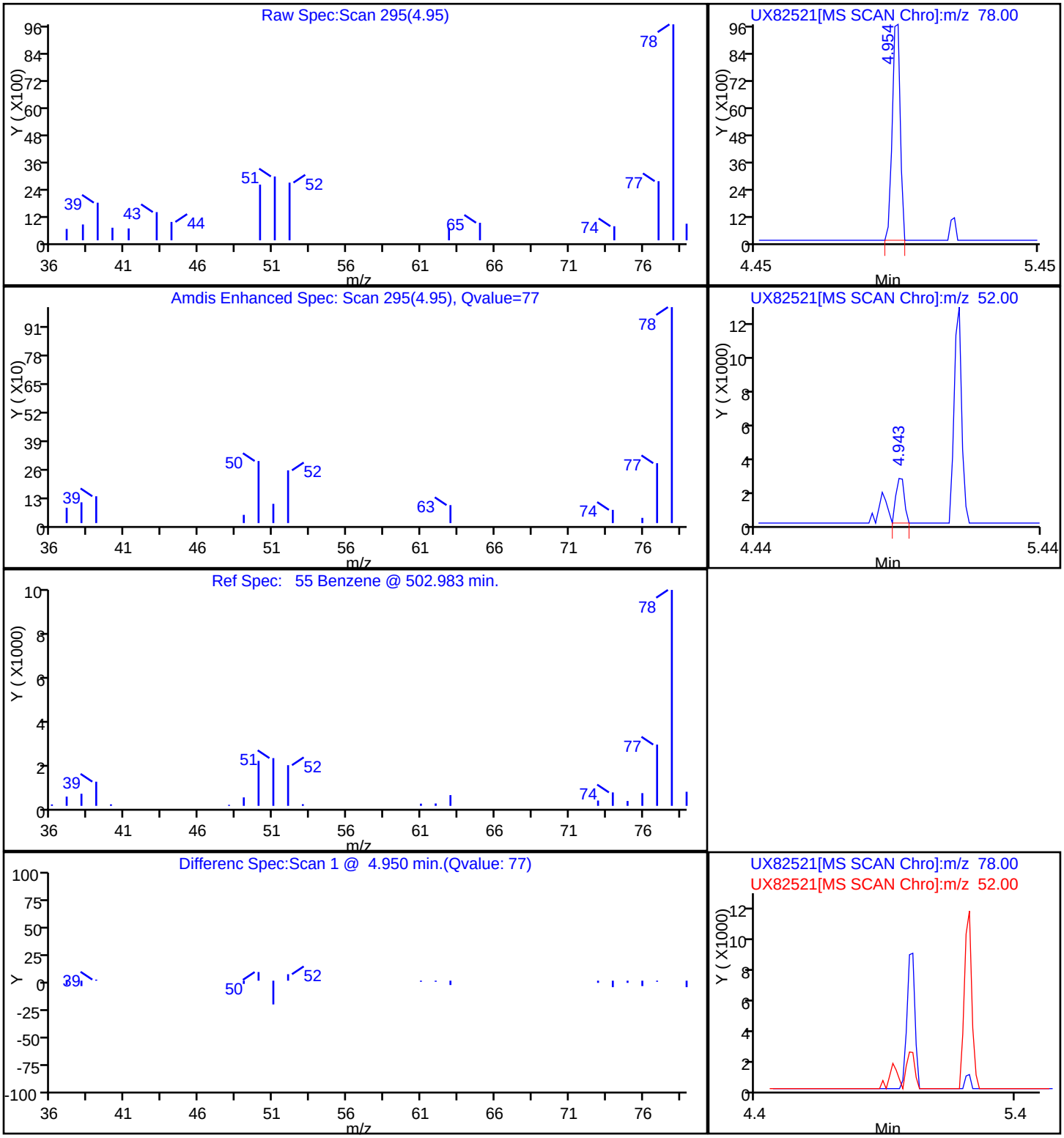
Report Date: 19-Dec-2012 02:39:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82521.D

Injection Date:	16-Dec-2012 03:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	30
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

55 Benzene



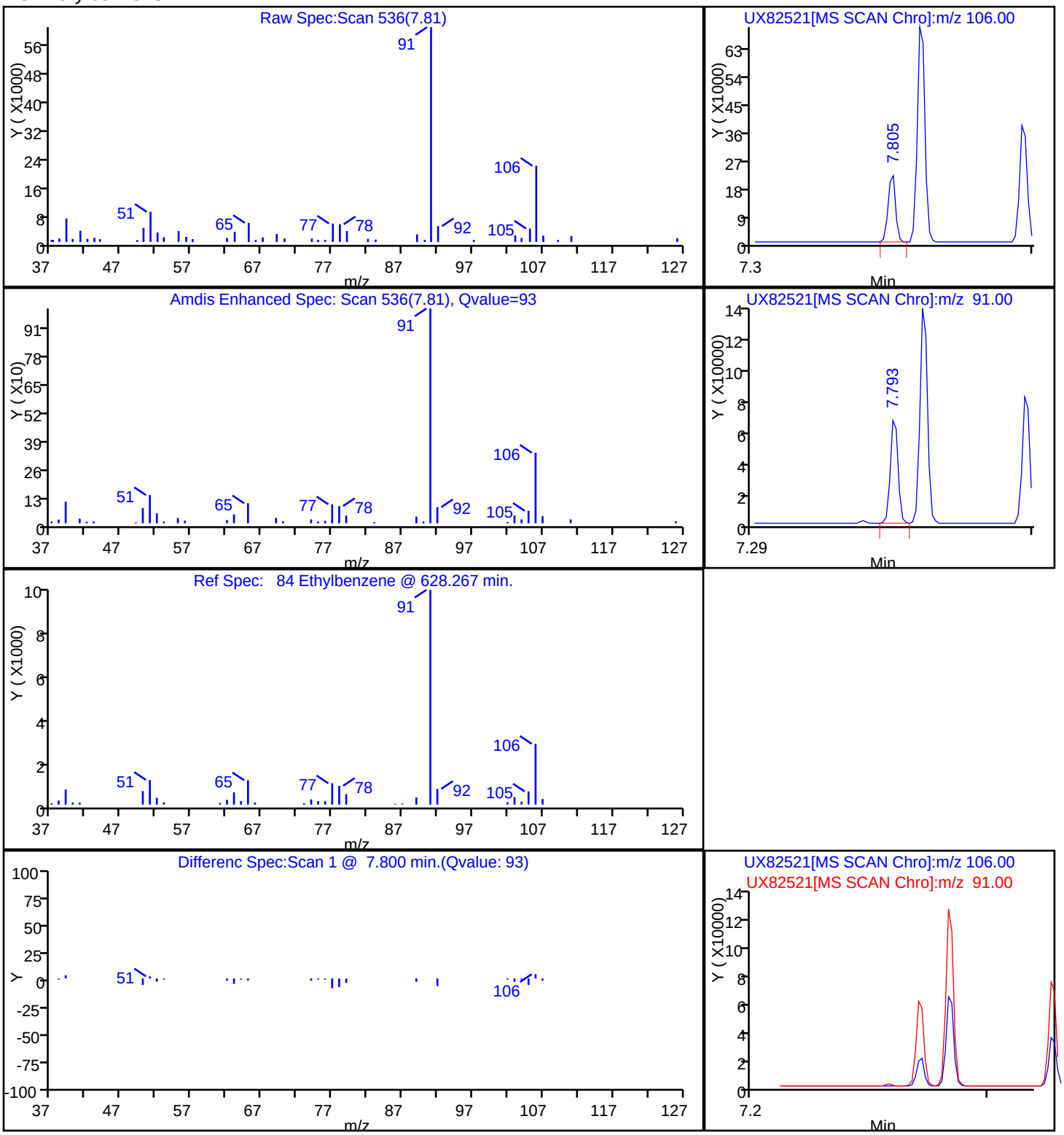
Report Date: 19-Dec-2012 02:39:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82521.D

Injection Date:	16-Dec-2012 03:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	30
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

84 Ethylbenzene



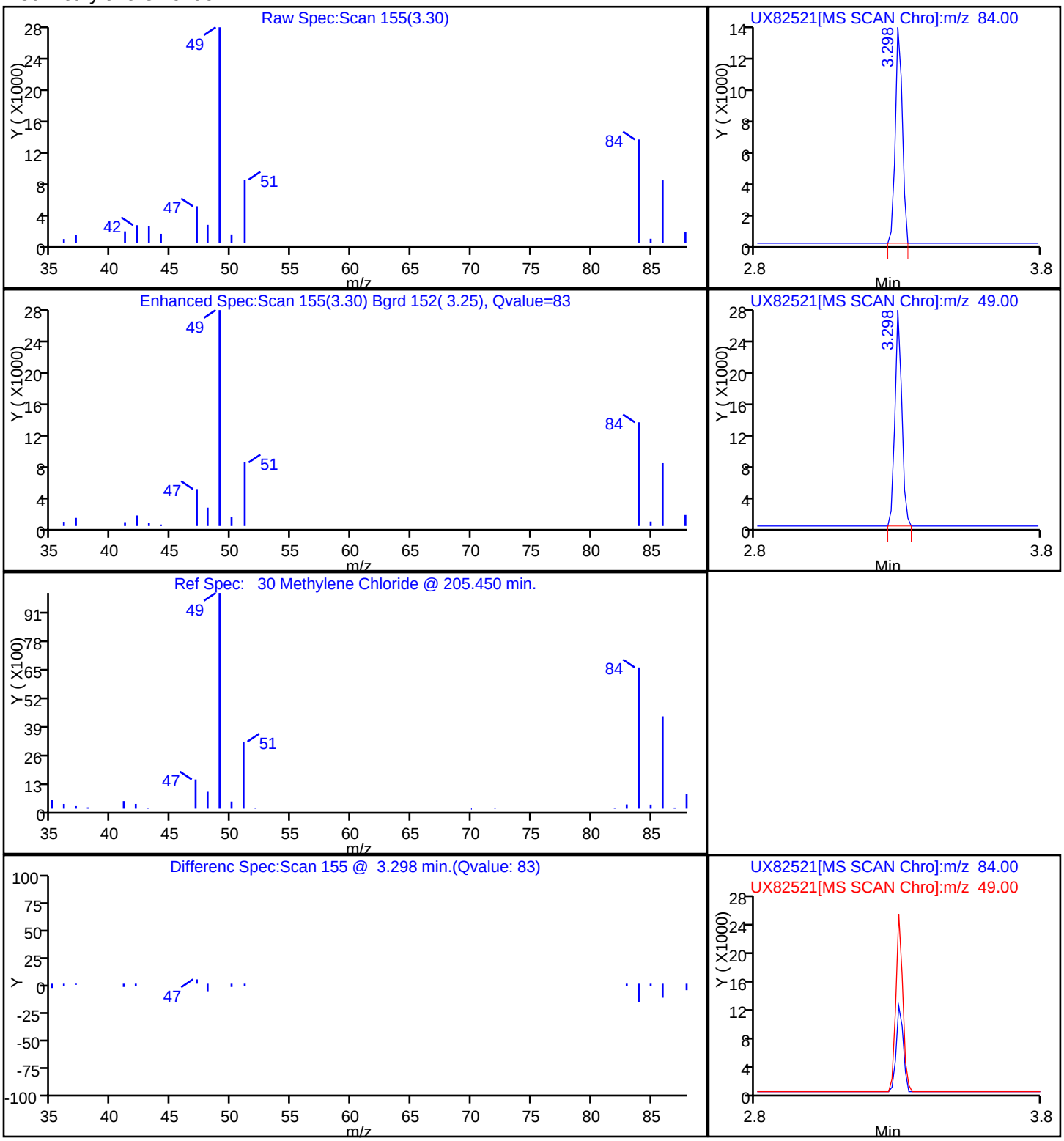
Report Date: 19-Dec-2012 02:39:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82521.D

Injection Date:	16-Dec-2012 03:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	30
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



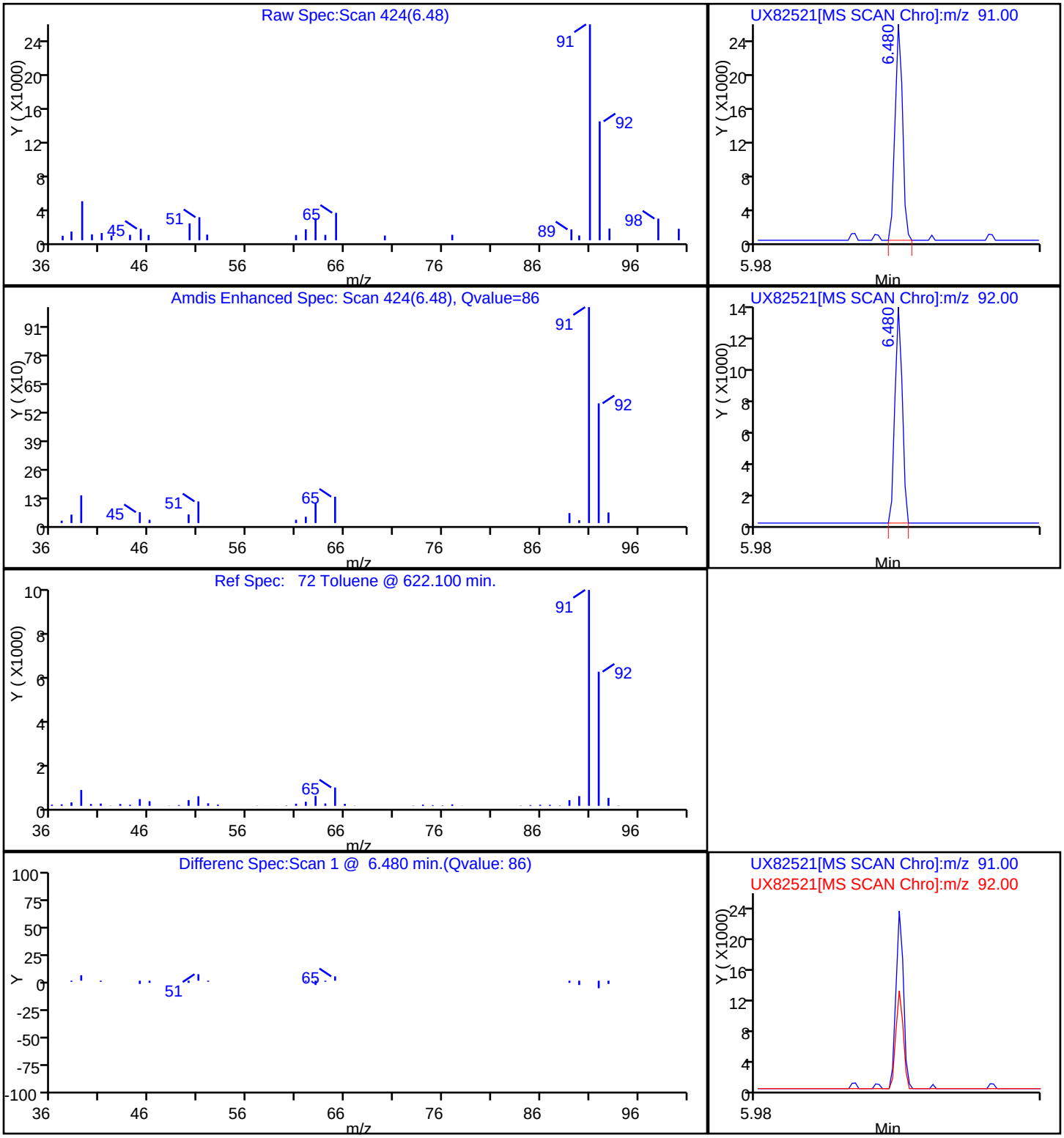
Report Date: 19-Dec-2012 02:39:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82521.D

Injection Date:	16-Dec-2012 03:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	30
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



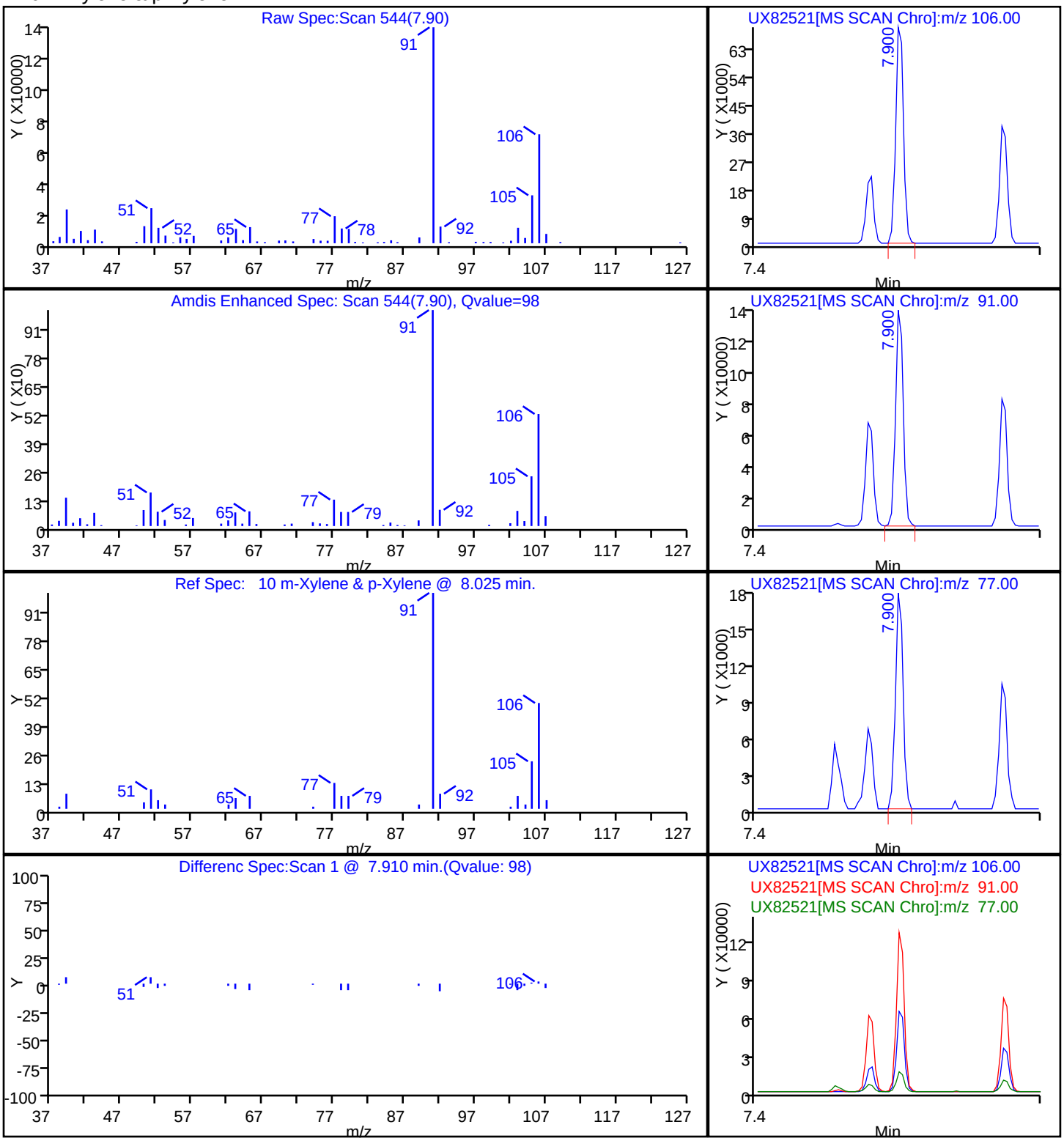
Report Date: 19-Dec-2012 02:39:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82521.D

Injection Date:	16-Dec-2012 03:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	30
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

10 m-Xylene & p-Xylene



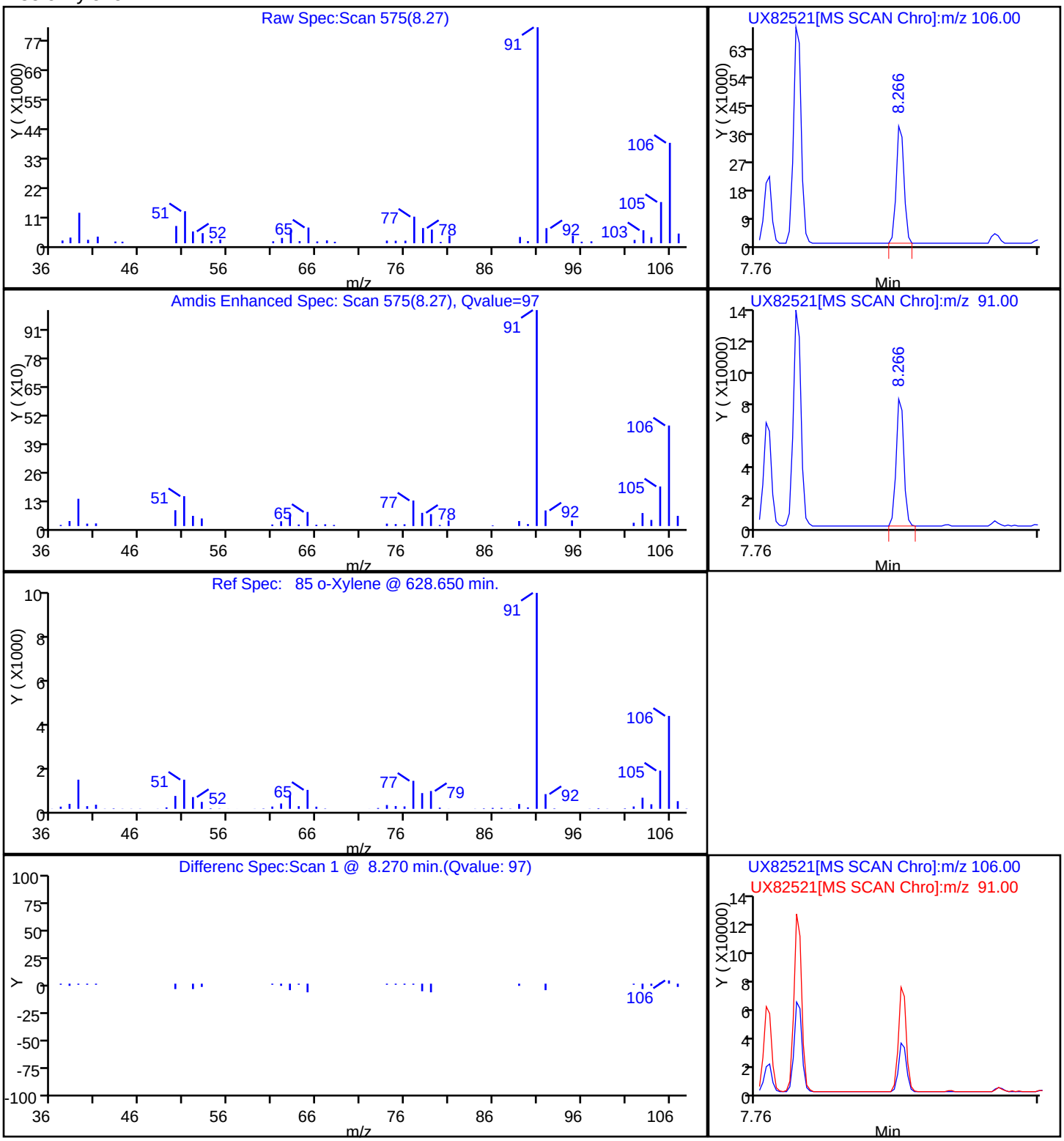
Report Date: 19-Dec-2012 02:39:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82521.D

Injection Date:	16-Dec-2012 03:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	30
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

85 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO | Lab Sample ID: 240-18581-3

Matrix: Solid | Lab File ID: UX82541.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 11:15

Sample wt/vol: 5.483(g) | Date Analyzed: 12/17/2012 04:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.7 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.1	U	5.7	1.1	0.64
79-34-5	1,1,2,2-Tetrachloroethane	0.57	U J	5.7	0.57	0.39
79-00-5	1,1,2-Trichloroethane	0.57	U	5.7	0.57	0.44
75-34-3	1,1-Dichloroethane	0.57	U	5.7	0.57	0.41
75-35-4	1,1-Dichloroethene	1.1	U	5.7	1.1	0.59
106-93-4	1,2-Dibromoethane	1.1	U	5.7	1.1	0.57
107-06-2	1,2-Dichloroethane	0.57	U	5.7	0.57	0.39
540-59-0	1,2-Dichloroethene, Total	1.1	U	11	1.1	0.87
78-87-5	1,2-Dichloropropane	1.1	U	5.7	1.1	0.78
78-93-3	2-Butanone (MEK)	12	J	23	2.3	1.6
591-78-6	2-Hexanone	1.8	J	23	1.1	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	J	23	1.1	0.61
67-64-1	Acetone	41		23	7.2	7.2
71-43-2	Benzene	1.3	J	5.7	0.57	0.26
74-97-5	Bromochloromethane	1.1	U	5.7	1.1	0.81
75-27-4	Bromodichloromethane	0.57	U	5.7	0.57	0.32
75-25-2	Bromoform	0.57	U	5.7	0.57	0.37
74-83-9	Bromomethane	1.1	U	5.7	1.1	0.61
75-15-0	Carbon disulfide	0.57	U	5.7	0.57	0.50
56-23-5	Carbon tetrachloride	0.57	U	5.7	0.57	0.42
108-90-7	Chlorobenzene	0.57	U	5.7	0.57	0.37
75-00-3	Chloroethane	1.1	U	5.7	1.1	0.98
67-66-3	Chloroform	0.57	U	5.7	0.57	0.33
74-87-3	Chloromethane	0.57	U	5.7	0.57	0.47
10061-01-5	cis-1,3-Dichloropropene	0.57	U	5.7	0.57	0.39
124-48-1	Dibromochloromethane	1.1	U	5.7	1.1	0.62
100-41-4	Ethylbenzene	1.8	J	5.7	0.57	0.30
1634-04-4	Methyl tert-butyl ether	0.57	U	5.7	0.57	0.49
75-09-2	Methylene Chloride	1.1	U	5.7	1.1	0.76
100-42-5	Styrene	0.57	U	5.7	0.57	0.17
127-18-4	Tetrachloroethene	1.1	U	5.7	1.1	0.59
108-88-3	Toluene	3.3	J	5.7	0.57	0.31
10061-02-6	trans-1,3-Dichloropropene	1.1	U	5.7	1.1	0.61
79-01-6	Trichloroethene	0.57	U	5.7	0.57	0.48
75-01-4	Vinyl chloride	0.57	U	5.7	0.57	0.44
1330-20-7	Xylenes, Total	1.7	U	11	1.7	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO Lab Sample ID: 240-18581-3

Matrix: Solid Lab File ID: UX82541.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 11:15

Sample wt/vol: 5.483(g) Date Analyzed: 12/17/2012 04:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.7 Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		61-130
460-00-4	4-Bromofluorobenzene (Surr)	72	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	89		59-138
2037-26-5	Toluene-d8 (Surr)	103		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82541.D
Lims ID: 240-18581-D-3-A
Client ID: 070SB-044M-0001-SO
Inject. Date: 17-Dec-2012 04:53:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015896-017
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279
Instrument ID: A3UX8
Purge Vol: 5.000 mL
ALS Bottle#: 16
Lims Batch ID: 68905
Lims Sample ID: 17
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06
Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat
Date: 17-Dec-2012 21:28:30

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.158	5.155	0.003	99	1476350	50.0	
* 2 Chlorobenzene-d5	117	7.677	7.686	-0.009	90	899021	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.874	0.003	98	268033	50.0	s
$ 5 Dibromofluoromethane (Surr)	113	4.625	4.623	0.002	59	333862	44.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.886	4.884	0.002	92	410274	43.6	
$ 7 Toluene-d8 (Surr)	98	6.423	6.421	0.002	95	1149042	51.3	
$ 131 4-Bromofluorobenzene (Surr)	95	8.754	8.763	-0.009	92	298451	35.9	
138 Butyl Methacrylate TIC	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
135 1,4-Dichlorobutane	1		0.000					
12 Dichlorodifluoromethane	85		1.583					
13 Chloromethane	50		1.749					
14 Vinyl chloride	62		1.867					
15 Bromomethane	94		2.187					
16 Chloroethane	64		2.281					
17 Dichlorofluoromethane	67		2.446					
18 Trichlorofluoromethane	101		2.506					
19 Ethyl ether	59		2.741					
20 Acrolein	56		2.837					9
25 Methylal	45		2.856					
21 1,1-Dichloroethene	96		2.932					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.944					
22 Acetone	43	2.958	2.956	0.002	97	148267	36.1	
24 Iodomethane	142		3.050					
26 Carbon disulfide	76	3.111	3.109	0.002	62	2480	0.1778	
27 Acetonitrile	41		3.168					
29 3-Chloro-1-propene	76		3.215					
28 Methyl acetate	43		3.216					9
30 Methylene Chloride	84		3.299					
31 2-Methyl-2-propanol	59		3.369					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
32 Acrylonitrile	53		3.476					
34 Methyl tert-butyl ether	73		3.523					
33 trans-1,2-Dichloroethene	96		3.523					
35 Hexane	86		3.736					
36 1,1-Dichloroethane	63		3.831					
37 Vinyl acetate	86		3.854					
38 Isopropyl ether	87		3.877					
39 2-Chloro-1,3-butadiene	53		3.913					
40 Tert-butyl ethyl ether	59		4.149					9
41 2-Butanone (MEK)	43	4.271	4.268	0.003	94	59100	10.2	
42 cis-1,2-Dichloroethene	96		4.268					
43 2,2-Dichloropropane	77		4.280					
45 Ethyl acetate	43		4.303					9
44 Propionitrile	54		4.303					
46 Methacrylonitrile	41		4.433					9
47 Chlorobromomethane	128		4.458					
48 Tetrahydrofuran	42		4.493					
49 Chloroform	83		4.505					
50 1,1,1-Trichloroethane	97		4.659					
51 Cyclohexane	56		4.718					9
52 1,1-Dichloropropene	75		4.789					
53 Carbon tetrachloride	117		4.801					
54 Isobutyl alcohol	41		4.811					
55 Benzene	78	4.945	4.943	0.002	75	25994	1.12	
56 1,2-Dichloroethane	62		4.943					
57 Tert-amyl methyl ether	73		5.013					
58 n-Heptane	100		5.131					
59 n-Butanol	56		5.320					9
60 Trichloroethene	130		5.439					
61 Ethyl acrylate	55		5.487					9
63 Methylcyclohexane	83		5.605					
62 1,2-Dichloropropane	63		5.617					
64 Methyl methacrylate	41		5.675					9
65 Dibromomethane	93		5.712					
66 1,4-Dioxane	88		5.712					
67 Dichlorobromomethane	83		5.818					
68 2-Nitropropane	41		5.994					
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75		6.185					
71 4-Methyl-2-pentanone (MIBK)	43	6.305	6.303	0.002	85	12155	1.17	
72 Toluene	91	6.483	6.480	0.003	78	64078	2.88	
73 trans-1,3-Dichloropropene	75		6.646					
74 Ethyl methacrylate	69		6.705					9
75 1,1,2-Trichloroethane	97		6.800					9
77 Tetrachloroethene	164		6.954					
76 1,3-Dichloropropane	76		6.954					
78 2-Hexanone	43	7.003	7.001	0.002	28	9412	1.57	
132 n-Butyl acetate	43		7.106					149
79 Chlorodibromomethane	129		7.155					
80 Tetrahydrothiophene	60		7.255					
123 Ethylene Dibromide	107		7.273					
81 1-Chlorohexane	91		7.663					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Chlorobenzene	112		7.711					
83 1,1,1,2-Tetrachloroethane	131		7.770					
84 Ethylbenzene	106	7.796	7.793	0.003	71	12152	1.59	
10 m-Xylene & p-Xylene	106	7.902	7.900	0.002	38	3993	0.4338	
85 o-Xylene	106		8.267					9
86 Styrene	104		8.278					9
87 Bromoform	173		8.456					
88 Isopropylbenzene	105	8.612	8.610	0.002	62	29981	1.35	
89 Cyclohexanone	55		8.703					9
90 1,1,2,2-Tetrachloroethane	83		8.870					
91 Bromobenzene	156		8.917					9
92 1,2,3-Trichloropropane	110		8.929					
93 trans-1,4-Dichloro-2-butene	53		8.929					
94 N-Propylbenzene	120	9.002	9.000	0.002	55	6652	1.81	
95 2-Chlorotoluene	126		9.095					9
96 1,3,5-Trimethylbenzene	105		9.165					9
104 4-Chlorotoluene	126		9.189					
97 tert-Butylbenzene	119	9.487	9.485	0.002	77	50302	4.98	
98 1,2,4-Trimethylbenzene	105	9.534	9.532	0.002	1	8170	0.7677	
99 sec-Butylbenzene	105	9.700	9.698	0.002	86	88733	6.68	
100 1,3-Dichlorobenzene	146		9.816					9
101 4-Isopropyltoluene	119	9.842	9.840	0.002	1	8249	0.7407	
102 1,4-Dichlorobenzene	146		9.899					9
103 1,2,3-Trimethylbenzene	105		9.945					9
133 Benzyl chloride	126	10.043	10.016	0.027	24	8990	0	
105 n-Butylbenzene	91		10.242					
106 1,2-Dichlorobenzene	146		10.266					9
107 1,2-Dibromo-3-Chloropropane	157		11.023					
108 1,3,5-Trichlorobenzene	180		11.247					9
109 1,2,4-Trichlorobenzene	180		11.862					
110 Hexachlorobutadiene	225		12.028					
111 Naphthalene	128	12.101	12.111	-0.010	57	57035	7.01	
112 1,2,3-Trichlorobenzene	180		12.359					
113 2-Methylnaphthalene	142	13.426	13.423	0.003	89	105817	24.6	
S 136 Trihalomethanes, Total	1		0.000					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106				0		0.4338	
T 137 Hexachloroethane TIC	166	10.481	10.500	-0.019	0	3080	0	

QC Flag Legend

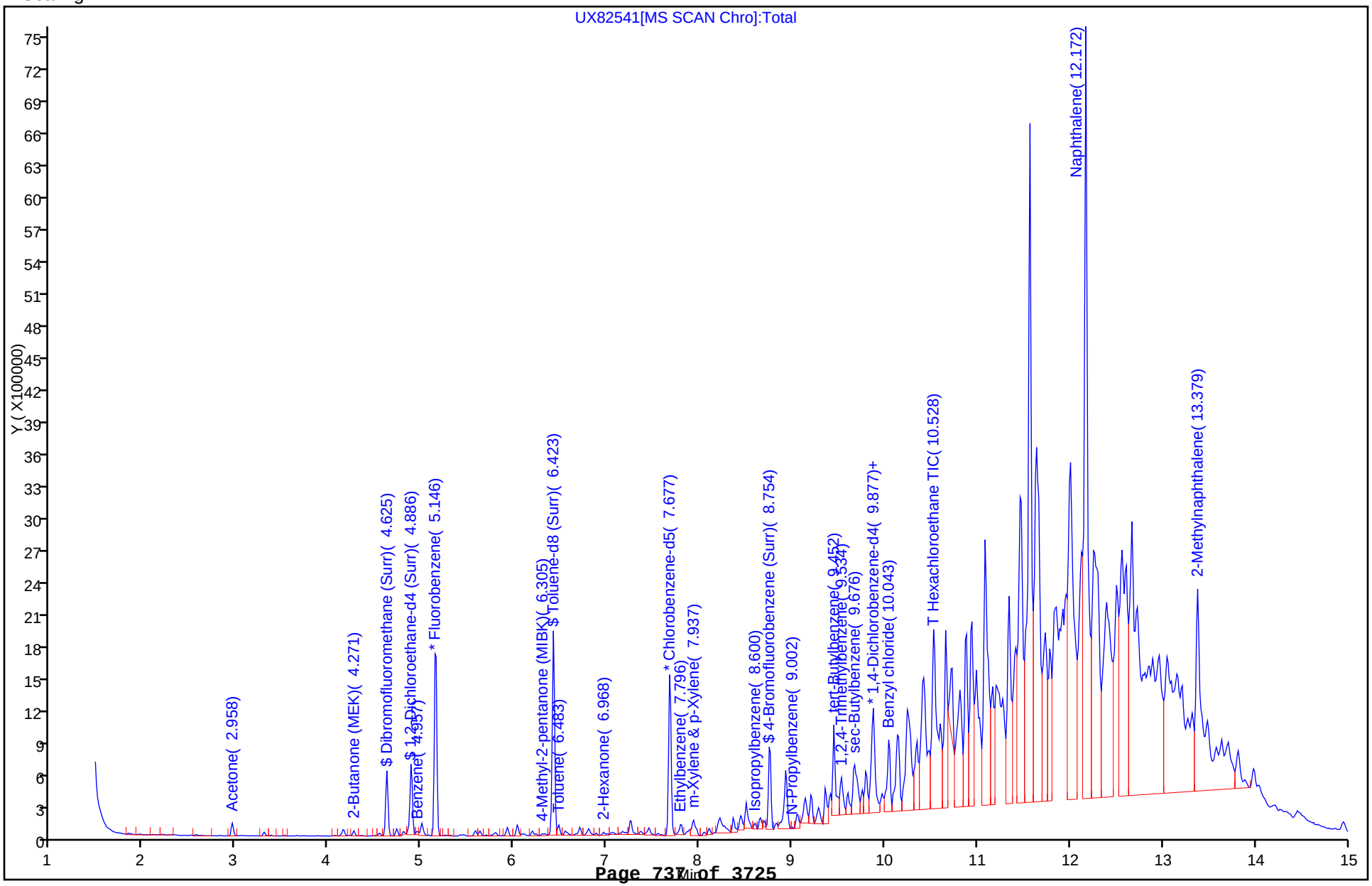
Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

Report Date: 20-Dec-2012 03:33:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82541.D		
Injection Date:	17-Dec-2012 04:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	17
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



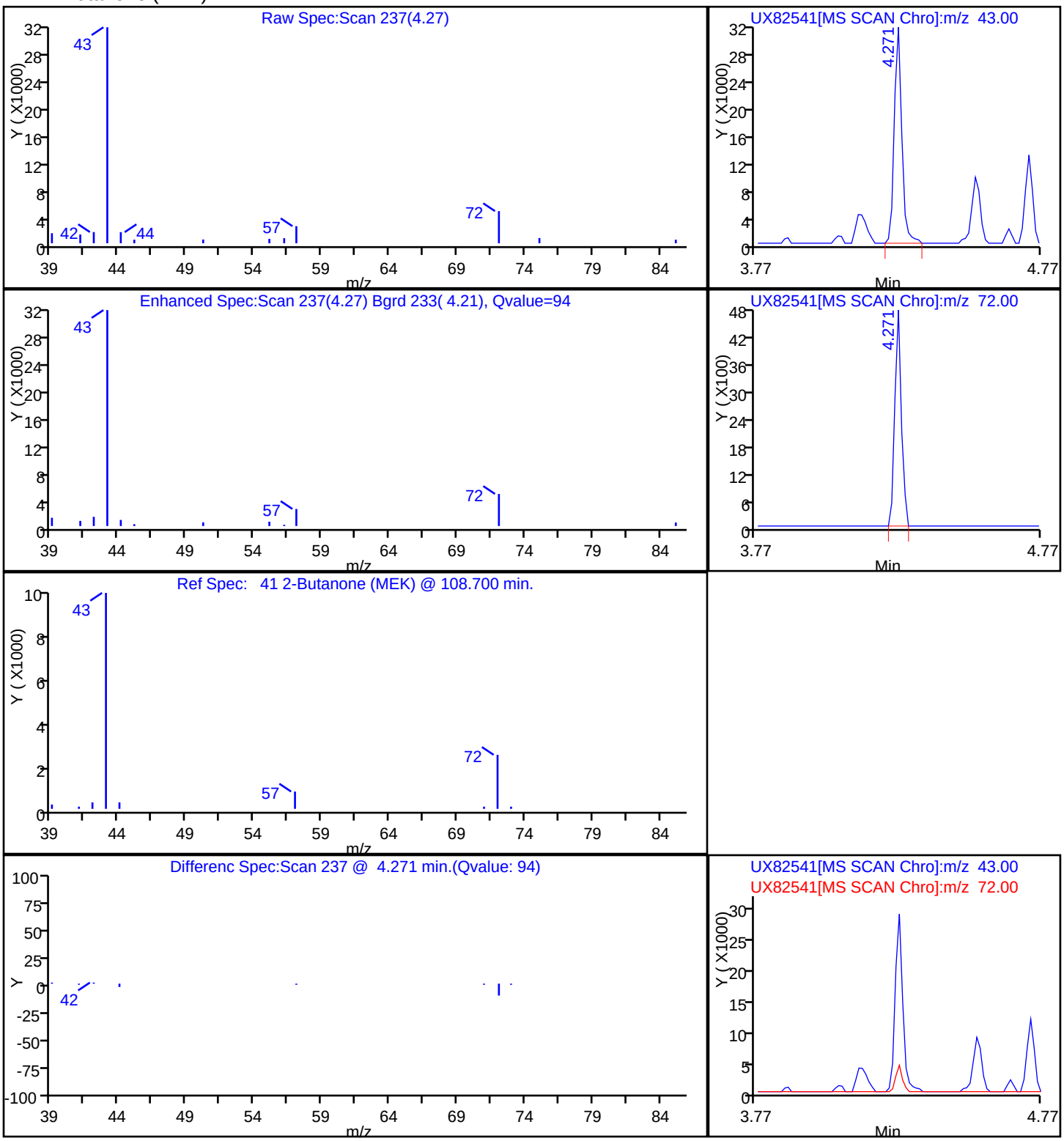
Report Date: 20-Dec-2012 03:33:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82541.D

Injection Date:	17-Dec-2012 04:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	17
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)

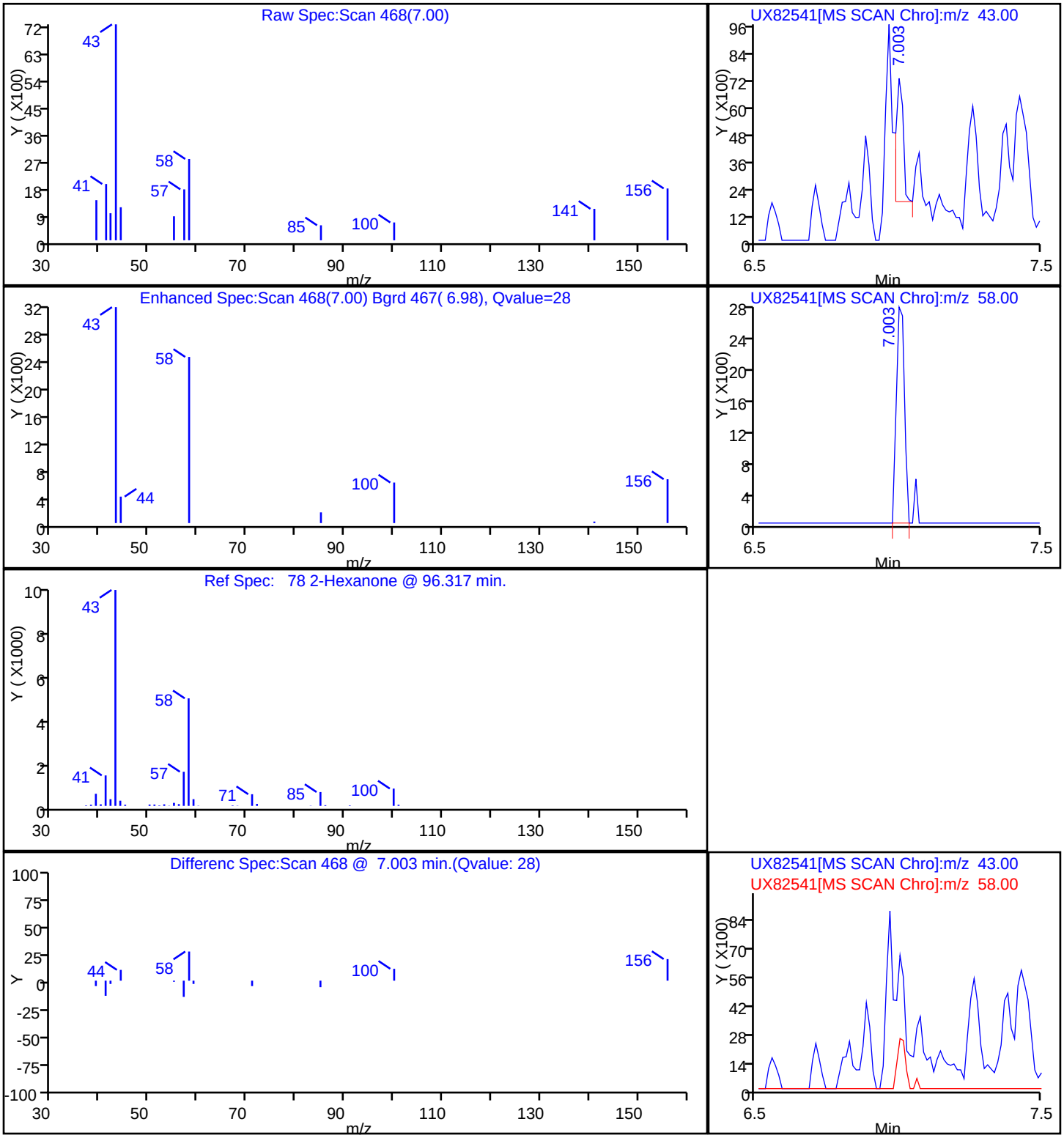


Report Date: 20-Dec-2012 03:33:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82541.D		
Injection Date:	17-Dec-2012 04:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	17
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

78 2-Hexanone



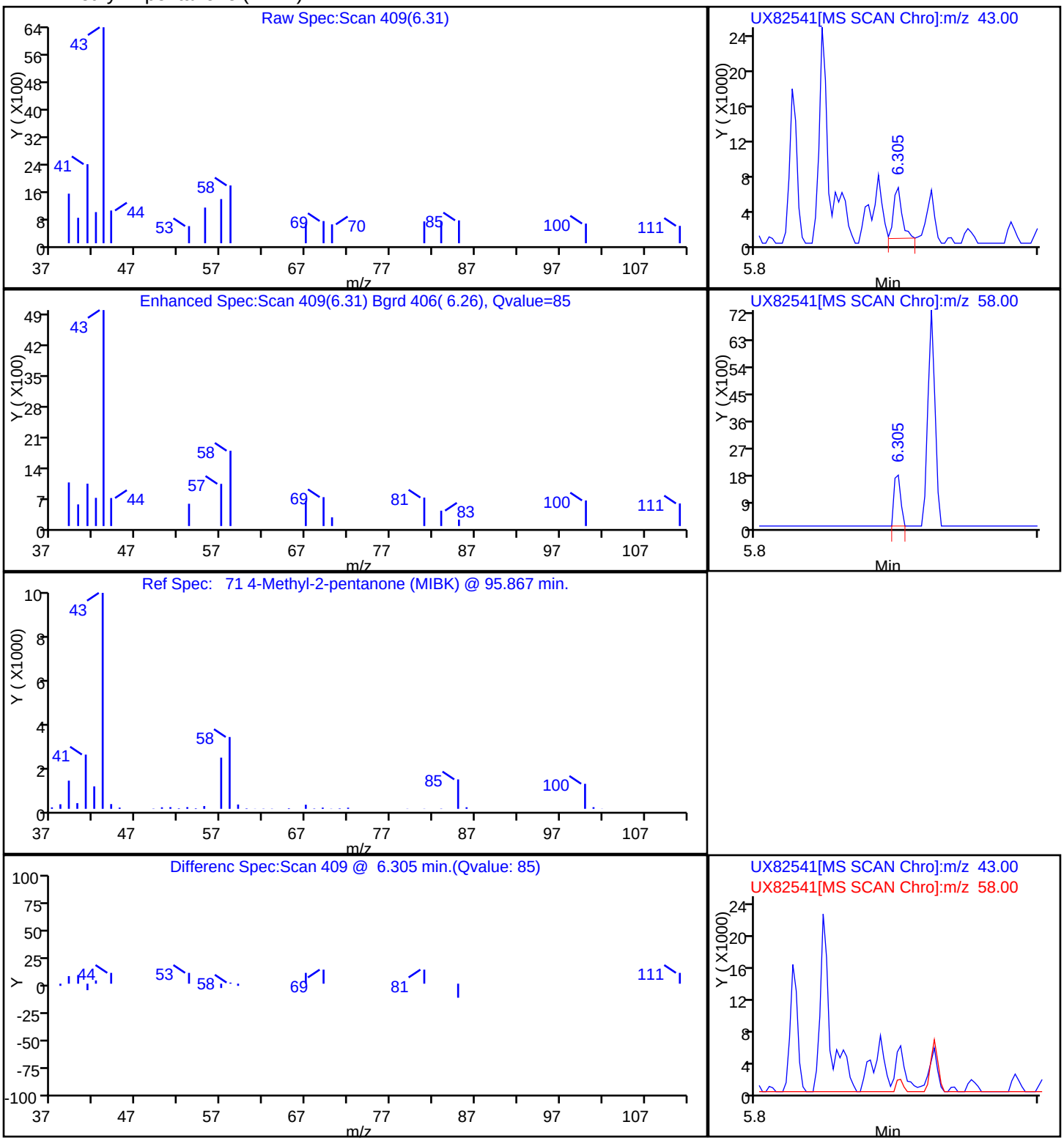
Report Date: 20-Dec-2012 03:33:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82541.D

Injection Date:	17-Dec-2012 04:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	17
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

71 4-Methyl-2-pentanone (MIBK)



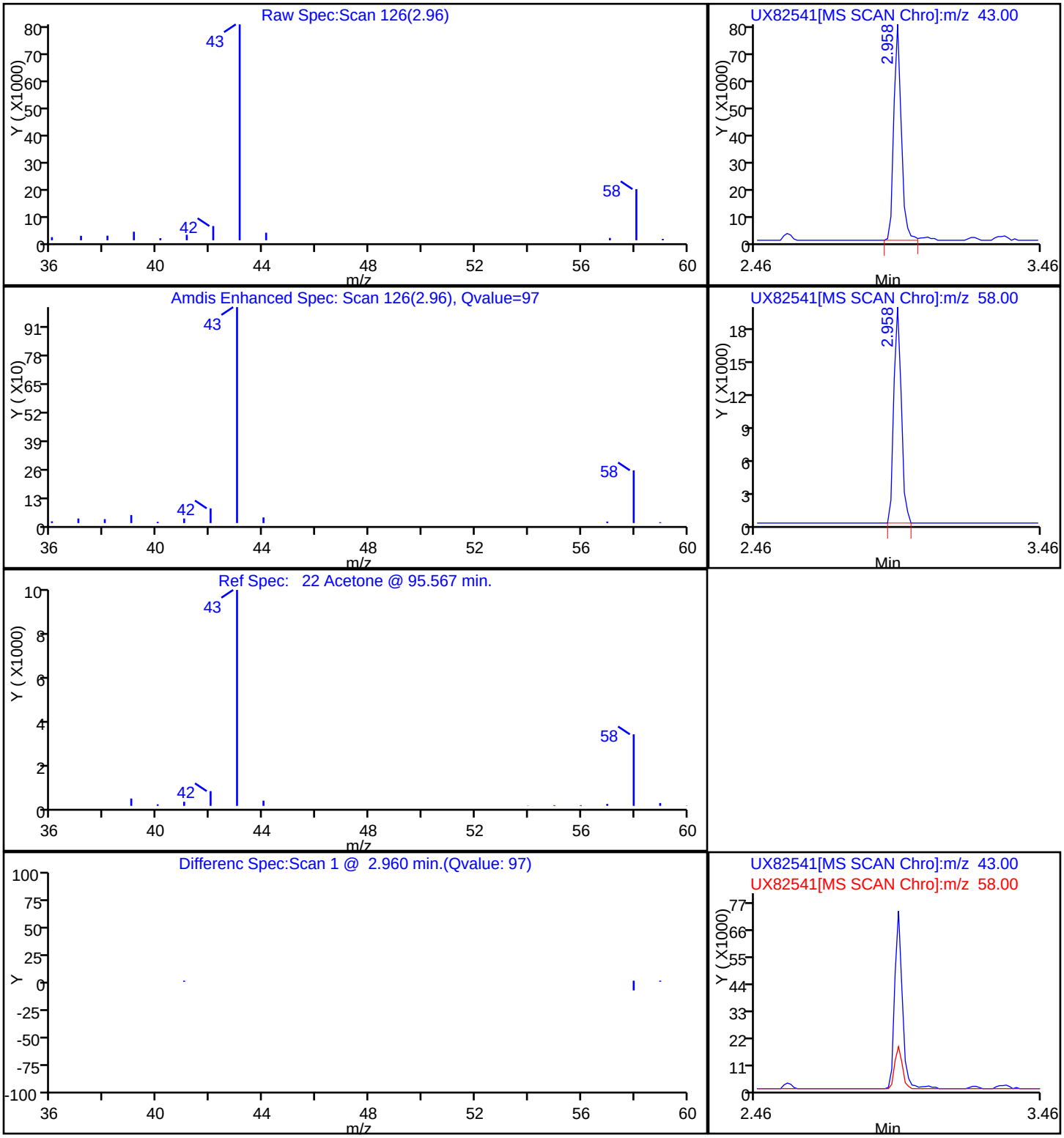
Report Date: 20-Dec-2012 03:33:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82541.D

Injection Date:	17-Dec-2012 04:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	17
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone

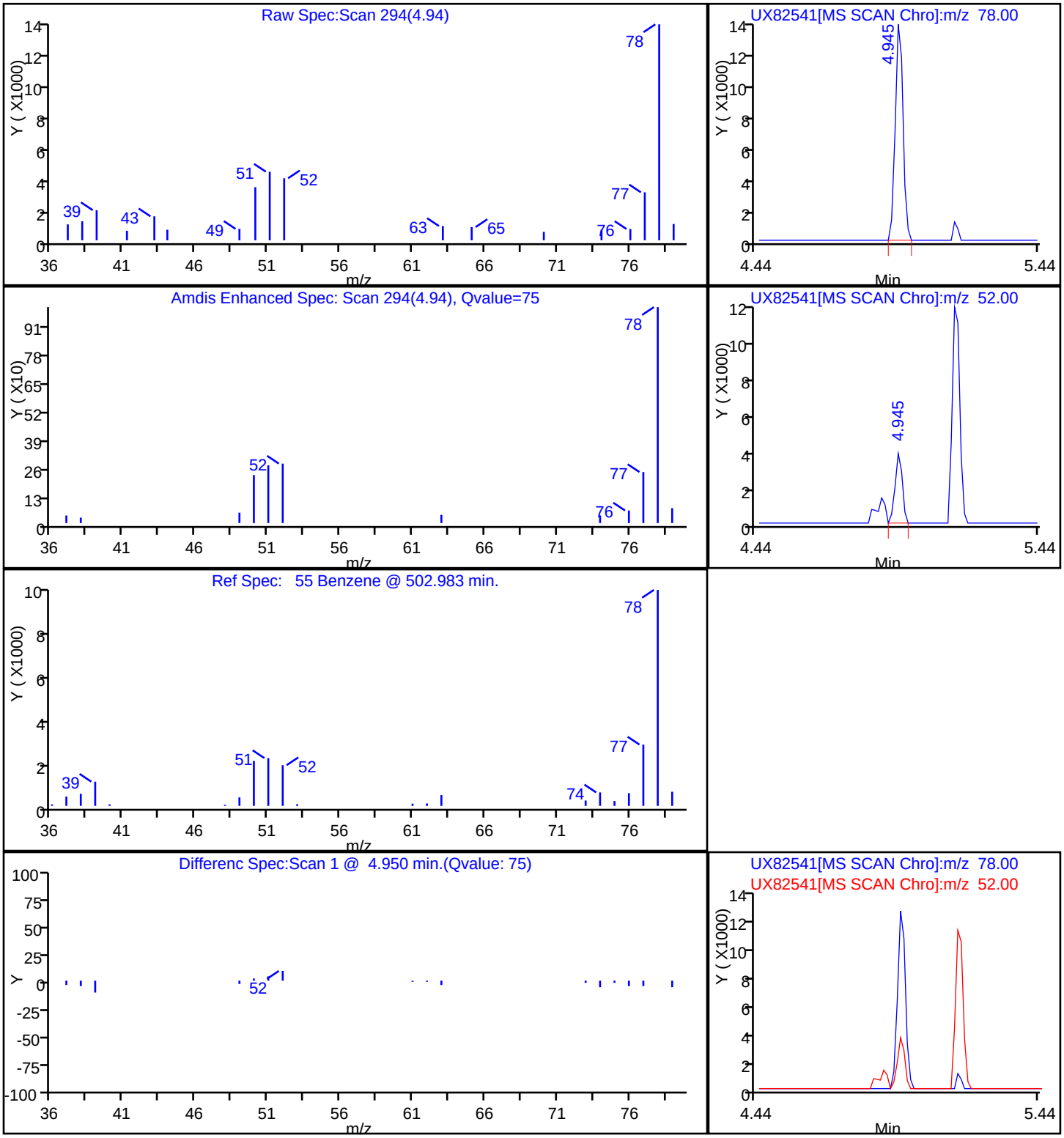


Report Date: 20-Dec-2012 03:33:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82541.D		
Injection Date:	17-Dec-2012 04:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	17
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

55 Benzene



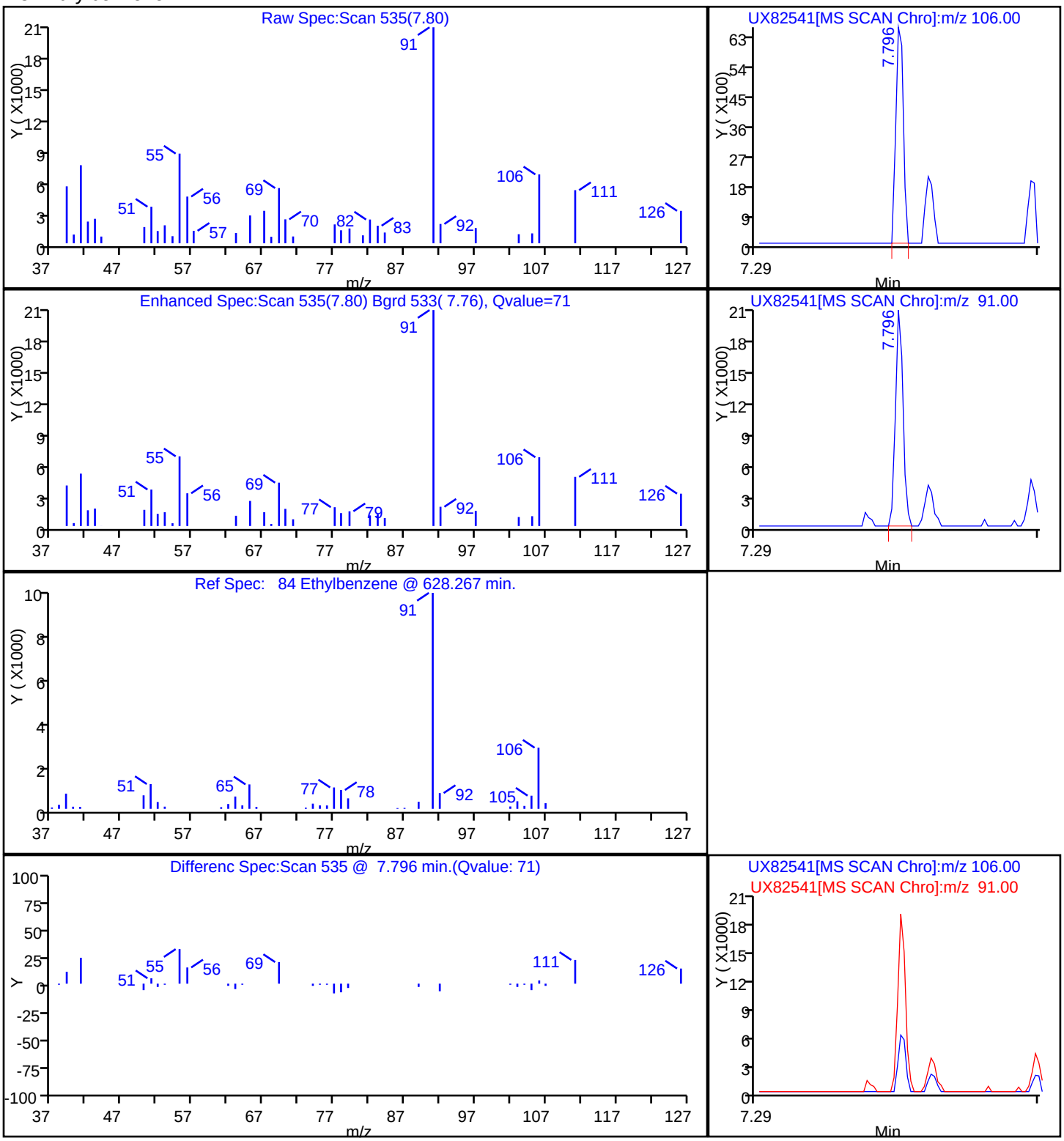
Report Date: 20-Dec-2012 03:33:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82541.D

Injection Date:	17-Dec-2012 04:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	17
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

84 Ethylbenzene



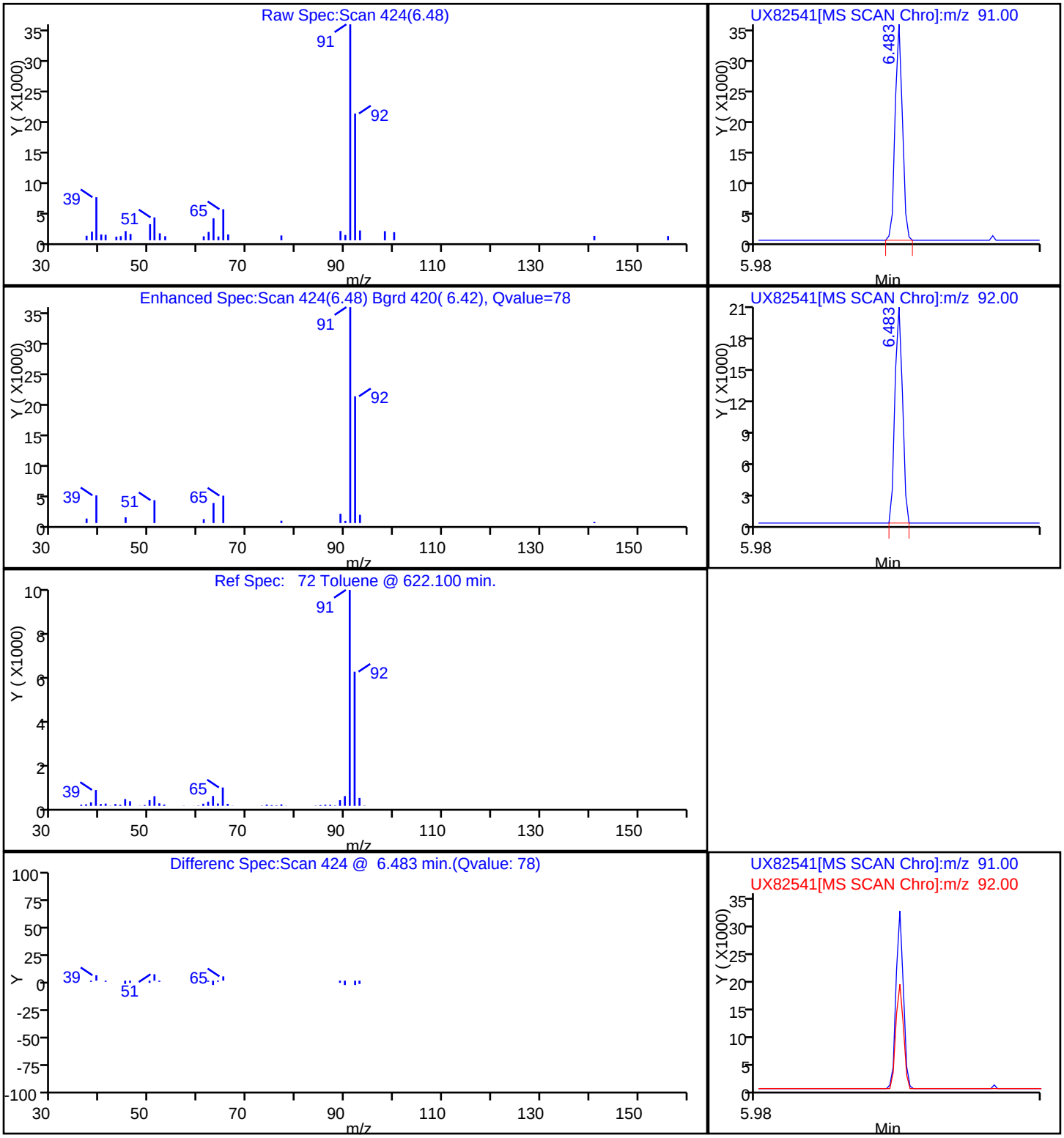
Report Date: 20-Dec-2012 03:33:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82541.D

Injection Date:	17-Dec-2012 04:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	17
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO | Lab Sample ID: 240-18581-5

Matrix: Solid | Lab File ID: UX82544.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 10:50

Sample wt/vol: 5.482(g) | Date Analyzed: 12/17/2012 05:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.3 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.0	U	5.2	1.0	0.58
79-34-5	1,1,2,2-Tetrachloroethane	0.52	U	5.2	0.52	0.35
79-00-5	1,1,2-Trichloroethane	0.52	U	5.2	0.52	0.41
75-34-3	1,1-Dichloroethane	0.52	U	5.2	0.52	0.37
75-35-4	1,1-Dichloroethene	1.0	U	5.2	1.0	0.54
106-93-4	1,2-Dibromoethane	1.0	U	5.2	1.0	0.52
107-06-2	1,2-Dichloroethane	0.52	U	5.2	0.52	0.35
540-59-0	1,2-Dichloroethene, Total	1.0	U	10	1.0	0.80
78-87-5	1,2-Dichloropropane	1.0	U	5.2	1.0	0.72
78-93-3	2-Butanone (MEK)	4.6	J	21	2.1	1.5
591-78-6	2-Hexanone	2.3	J	21	1.0	0.65
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	J	21	1.0	0.56
67-64-1	Acetone	19	J	21	6.5	6.5
71-43-2	Benzene	0.40	J	5.2	0.52	0.24
74-97-5	Bromochloromethane	1.0	U	5.2	1.0	0.74
75-27-4	Bromodichloromethane	0.52	U	5.2	0.52	0.29
75-25-2	Bromoform	0.52	U	5.2	0.52	0.34
74-83-9	Bromomethane	1.0	U	5.2	1.0	0.56
75-15-0	Carbon disulfide	0.63	J	5.2	0.52	0.46
56-23-5	Carbon tetrachloride	0.52	U	5.2	0.52	0.38
108-90-7	Chlorobenzene	0.52	U	5.2	0.52	0.34
75-00-3	Chloroethane	1.0	U	5.2	1.0	0.89
67-66-3	Chloroform	0.52	U	5.2	0.52	0.30
74-87-3	Chloromethane	0.52	U	5.2	0.52	0.43
10061-01-5	cis-1,3-Dichloropropene	0.52	U	5.2	0.52	0.35
124-48-1	Dibromochloromethane	1.0	U	5.2	1.0	0.57
100-41-4	Ethylbenzene	0.52	U	5.2	0.52	0.27
1634-04-4	Methyl tert-butyl ether	0.52	U	5.2	0.52	0.45
75-09-2	Methylene Chloride	8.0		5.2	1.0	0.70
100-42-5	Styrene	0.52	U	5.2	0.52	0.16
127-18-4	Tetrachloroethene	1.0	U	5.2	1.0	0.54
108-88-3	Toluene	2.5	J	5.2	0.52	0.28
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.2	1.0	0.56
79-01-6	Trichloroethene	0.52	U	5.2	0.52	0.44
75-01-4	Vinyl chloride	0.52	U	5.2	0.52	0.41
1330-20-7	Xylenes, Total	1.6	U	10	1.6	0.70

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO Lab Sample ID: 240-18581-5

Matrix: Solid Lab File ID: UX82544.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 10:50

Sample wt/vol: 5.482(g) Date Analyzed: 12/17/2012 05:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.3 Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		61-130
460-00-4	4-Bromofluorobenzene (Surr)	89		85-120
1868-53-7	Dibromofluoromethane (Surr)	89		59-138
2037-26-5	Toluene-d8 (Surr)	93		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82544.D
Lims ID: 240-18581-D-5-A Client ID: 070SB-046M-0001-SO
Inject. Date: 17-Dec-2012 05:57:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015896-020
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 19
Lims Batch ID: 68905 Lims Sample ID: 20
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:32:49

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.158	5.155	0.003	99	1479996	50.0	
* 2 Chlorobenzene-d5	117	7.677	7.686	-0.009	90	1049279	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.874	0.003	99	453429	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.625	4.623	0.002	63	336071	44.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.885	4.884	0.001	92	409967	43.4	
$ 7 Toluene-d8 (Surr)	98	6.423	6.421	0.002	94	1234799	46.5	
$ 131 4-Bromofluorobenzene (Surr)	95	8.753	8.763	-0.010	93	410529	44.3	
138 Butyl Methacrylate TIC	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
135 1,4-Dichlorobutane	1		0.000					
12 Dichlorodifluoromethane	85		1.583					
13 Chloromethane	50		1.749					
14 Vinyl chloride	62		1.867					
15 Bromomethane	94		2.187					
16 Chloroethane	64		2.281					
17 Dichlorofluoromethane	67		2.446					
18 Trichlorofluoromethane	101		2.506					
19 Ethyl ether	59	2.733	2.741	-0.008	52	3360	0.4599	
20 Acrolein	56		2.837					
25 Methylal	45		2.856					
21 1,1-Dichloroethene	96		2.932					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.944					
22 Acetone	43	2.957	2.956	0.001	94	84720	18.0	
24 Iodomethane	142		3.050					
26 Carbon disulfide	76	3.111	3.109	0.002	71	8512	0.6088	
27 Acetonitrile	41		3.168					
29 3-Chloro-1-propene	76		3.215					
28 Methyl acetate	43		3.216					9
30 Methylene Chloride	84	3.300	3.299	0.001	89	59658	7.70	
31 2-Methyl-2-propanol	59		3.369					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
32 Acrylonitrile	53		3.476					
34 Methyl tert-butyl ether	73		3.523					
33 trans-1,2-Dichloroethene	96		3.523					
35 Hexane	86		3.736					
36 1,1-Dichloroethane	63		3.831					9
37 Vinyl acetate	86		3.854					
38 Isopropyl ether	87		3.877					
39 2-Chloro-1,3-butadiene	53		3.913					
40 Tert-butyl ethyl ether	59		4.149					9
41 2-Butanone (MEK)	43	4.270	4.268	0.002	91	25581	4.38	
42 cis-1,2-Dichloroethene	96		4.268					
43 2,2-Dichloropropane	77		4.280					
45 Ethyl acetate	43		4.303					9
44 Propionitrile	54		4.303					
46 Methacrylonitrile	41		4.433					9
47 Chlorobromomethane	128		4.458					
48 Tetrahydrofuran	42	4.507	4.493	0.014	70	5326	1.51	
49 Chloroform	83		4.505					
50 1,1,1-Trichloroethane	97		4.659					
51 Cyclohexane	56		4.718					9
52 1,1-Dichloropropene	75		4.789					
53 Carbon tetrachloride	117		4.801					
54 Isobutyl alcohol	41	4.815	4.811	0.003	58	14157	37.4	
55 Benzene	78	4.945	4.943	0.002	52	9017	0.3893	
56 1,2-Dichloroethane	62		4.943					
57 Tert-amyl methyl ether	73		5.013					
58 n-Heptane	100		5.131					
59 n-Butanol	56		5.320					
60 Trichloroethene	130		5.439					
61 Ethyl acrylate	55		5.487					9
63 Methylcyclohexane	83		5.605					9
62 1,2-Dichloropropane	63		5.617					
64 Methyl methacrylate	41		5.675					9
65 Dibromomethane	93		5.712					
66 1,4-Dioxane	88		5.712					
67 Dichlorobromomethane	83		5.818					
68 2-Nitropropane	41		5.994					9
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75		6.185					
71 4-Methyl-2-pentanone (MIBK)	43	6.305	6.303	0.002	65	10086	0.9721	
72 Toluene	91	6.482	6.480	0.002	90	63080	2.43	
73 trans-1,3-Dichloropropene	75		6.646					
74 Ethyl methacrylate	69		6.705					9
75 1,1,2-Trichloroethane	97		6.800					9
77 Tetrachloroethene	164		6.954					
76 1,3-Dichloropropane	76		6.954					
78 2-Hexanone	43	7.003	7.001	0.002	52	15621	2.23	
132 n-Butyl acetate	43		7.106					149
79 Chlorodibromomethane	129		7.155					
80 Tetrahydrothiophene	60		7.255					
123 Ethylene Dibromide	107		7.273					
81 1-Chlorohexane	91		7.663					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Chlorobenzene	112		7.711					
83 1,1,1,2-Tetrachloroethane	131		7.770					
84 Ethylbenzene	106		7.793					
10 m-Xylene & p-Xylene	106		7.900					9
85 o-Xylene	106		8.267					9
86 Styrene	104		8.278					9
87 Bromoform	173		8.456					
88 Isopropylbenzene	105		8.610					9
89 Cyclohexanone	55	8.706	8.703	0.003	71	14126	7.41	
90 1,1,2,2-Tetrachloroethane	83		8.870					
91 Bromobenzene	156		8.917					
92 1,2,3-Trichloropropane	110		8.929					
93 trans-1,4-Dichloro-2-butene	53		8.929					
94 N-Propylbenzene	120		9.000					
95 2-Chlorotoluene	126		9.095					
96 1,3,5-Trimethylbenzene	105		9.165					9
104 4-Chlorotoluene	126		9.189					
97 tert-Butylbenzene	119		9.485					9
98 1,2,4-Trimethylbenzene	105	9.534	9.532	0.002	1	4875	0.2708	
99 sec-Butylbenzene	105	9.700	9.698	0.002	33	8394	0.3734	
100 1,3-Dichlorobenzene	146		9.816					9
101 4-Isopropyltoluene	119		9.840					9
102 1,4-Dichlorobenzene	146		9.899					9
103 1,2,3-Trimethylbenzene	105		9.945					9
133 Benzyl chloride	126		10.016					
105 n-Butylbenzene	91	10.232	10.242	-0.010	13	3630	0.2334	
106 1,2-Dichlorobenzene	146		10.266					9
107 1,2-Dibromo-3-Chloropropane	157		11.023					
108 1,3,5-Trichlorobenzene	180		11.247					
109 1,2,4-Trichlorobenzene	180	11.864	11.862	0.002	1	1610	0.2774	
110 Hexachlorobutadiene	225		12.028					
111 Naphthalene	128	12.101	12.111	-0.010	17	11151	0.8096	
112 1,2,3-Trichlorobenzene	180		12.359					9
113 2-Methylnaphthalene	142		13.423					9
S 136 Trihalomethanes, Total	1		0.000					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106		16.530					
T 137 Hexachloroethane TIC	166		10.500					1

QC Flag Legend

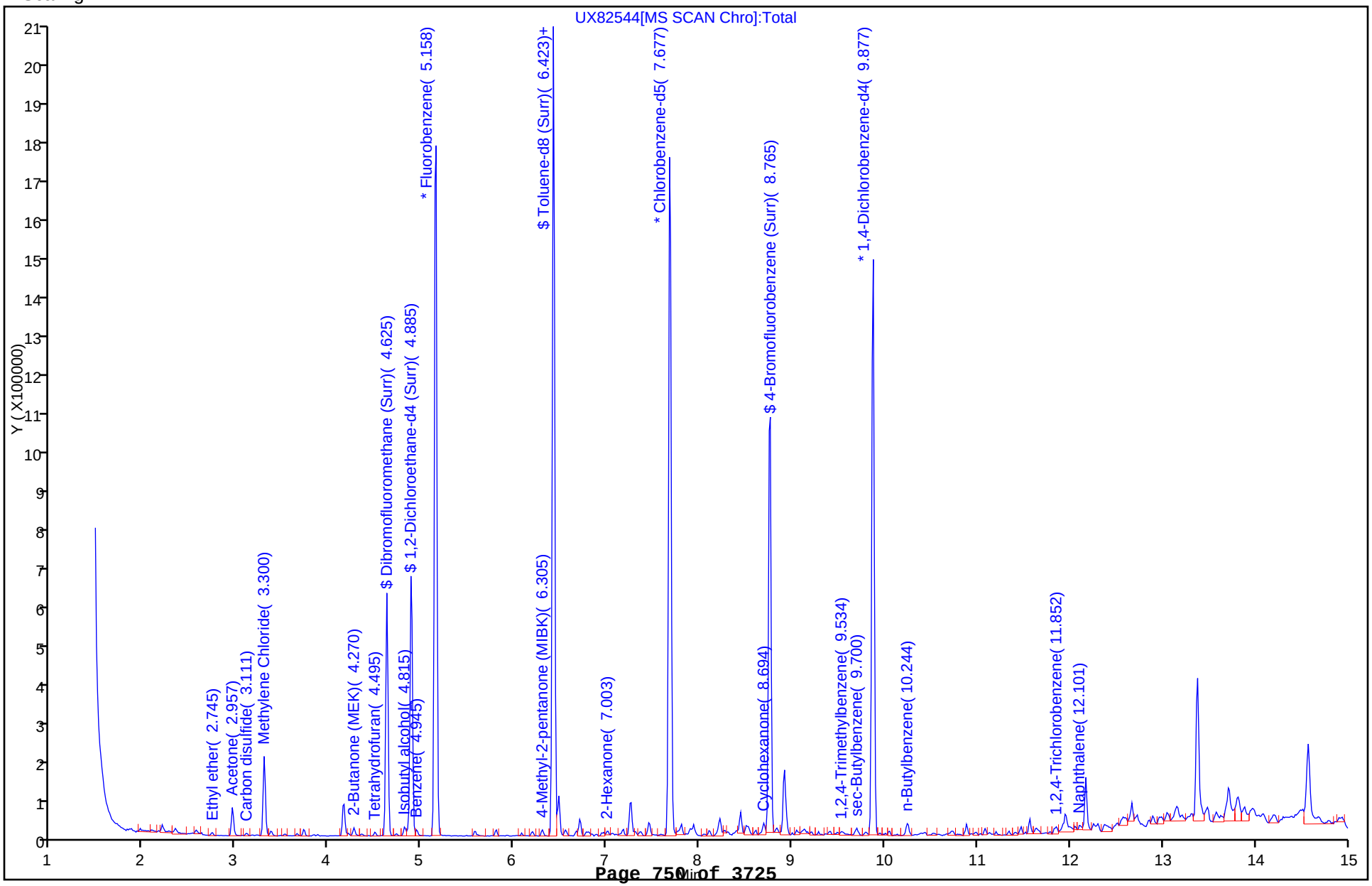
Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

Report Date: 20-Dec-2012 03:33:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82544.D		
Injection Date:	17-Dec-2012 05:57:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	20
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



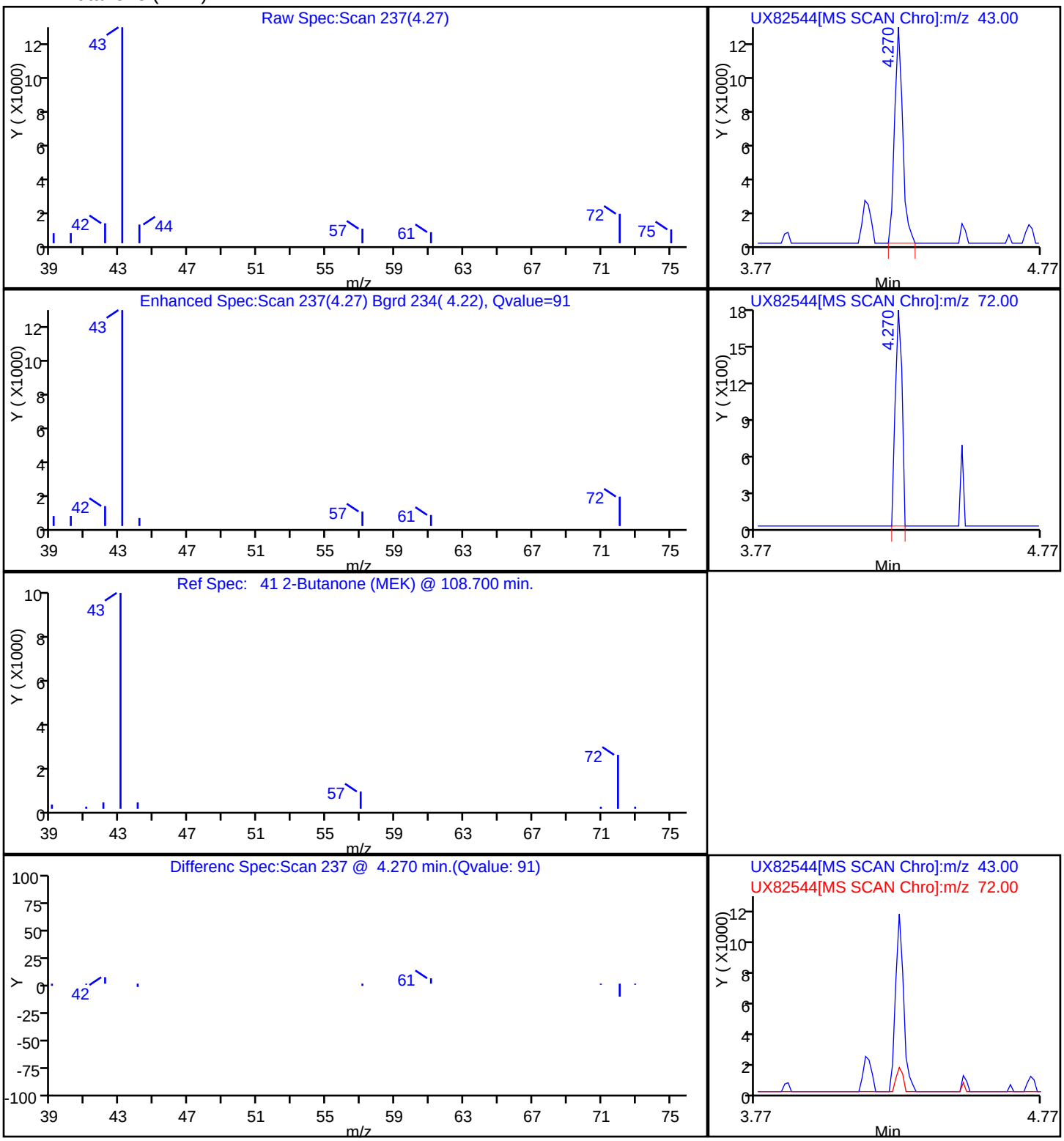
Report Date: 20-Dec-2012 03:33:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82544.D

Injection Date:	17-Dec-2012 05:57:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	20
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



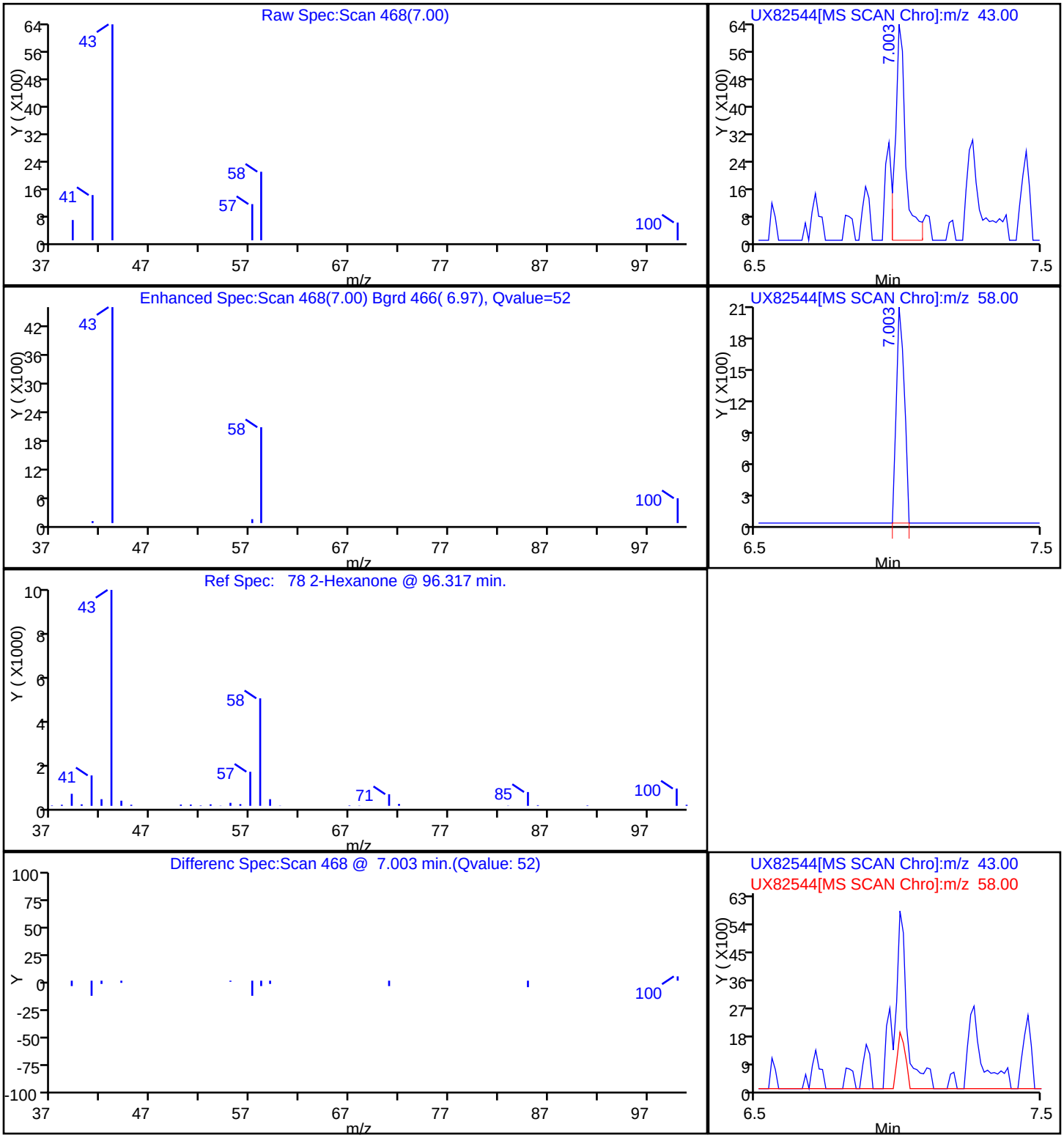
Report Date: 20-Dec-2012 03:33:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82544.D

Injection Date:	17-Dec-2012 05:57:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	20
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

78 2-Hexanone

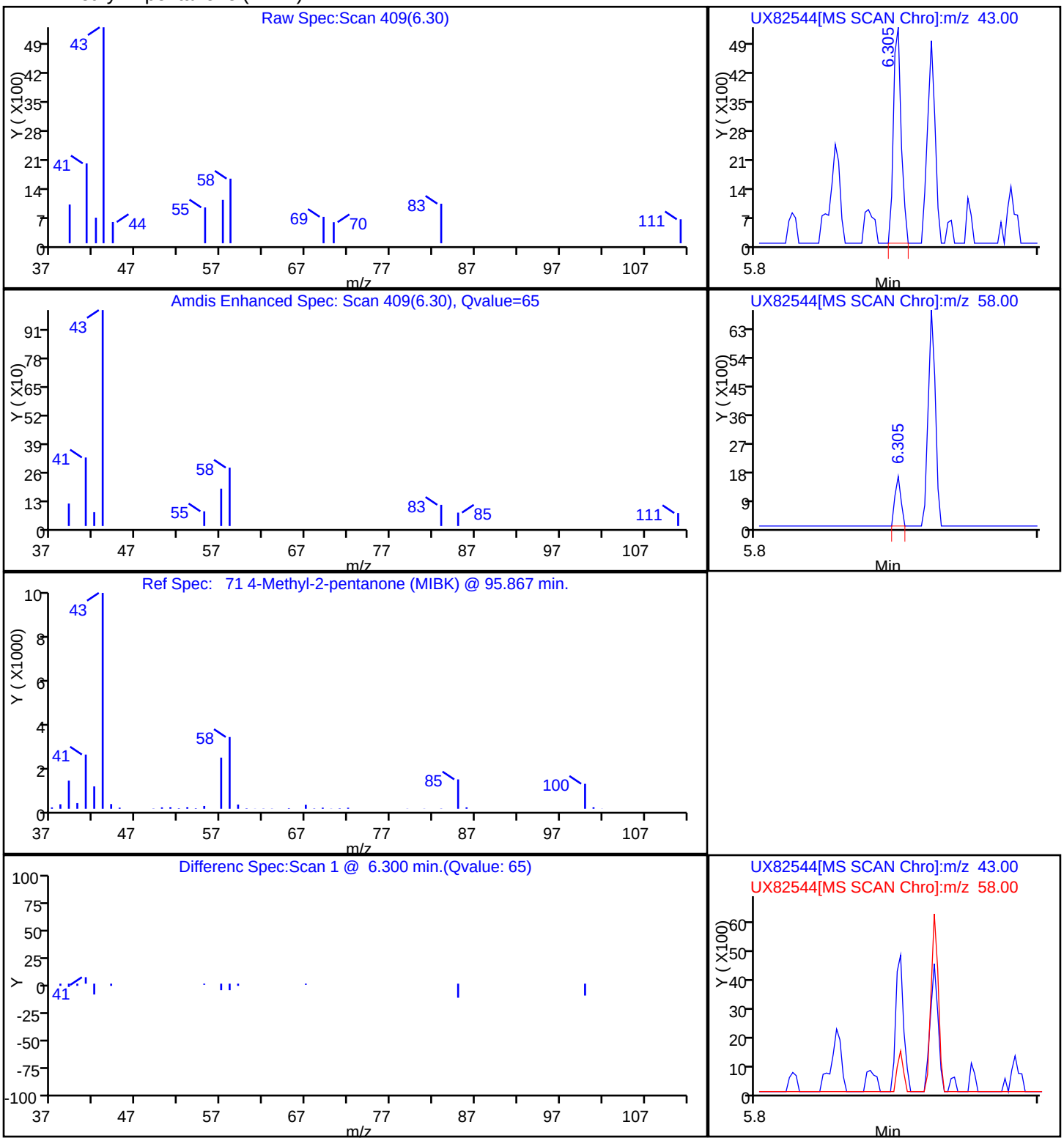


Report Date: 20-Dec-2012 03:33:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82544.D		
Injection Date:	17-Dec-2012 05:57:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	20
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

71 4-Methyl-2-pentanone (MIBK)



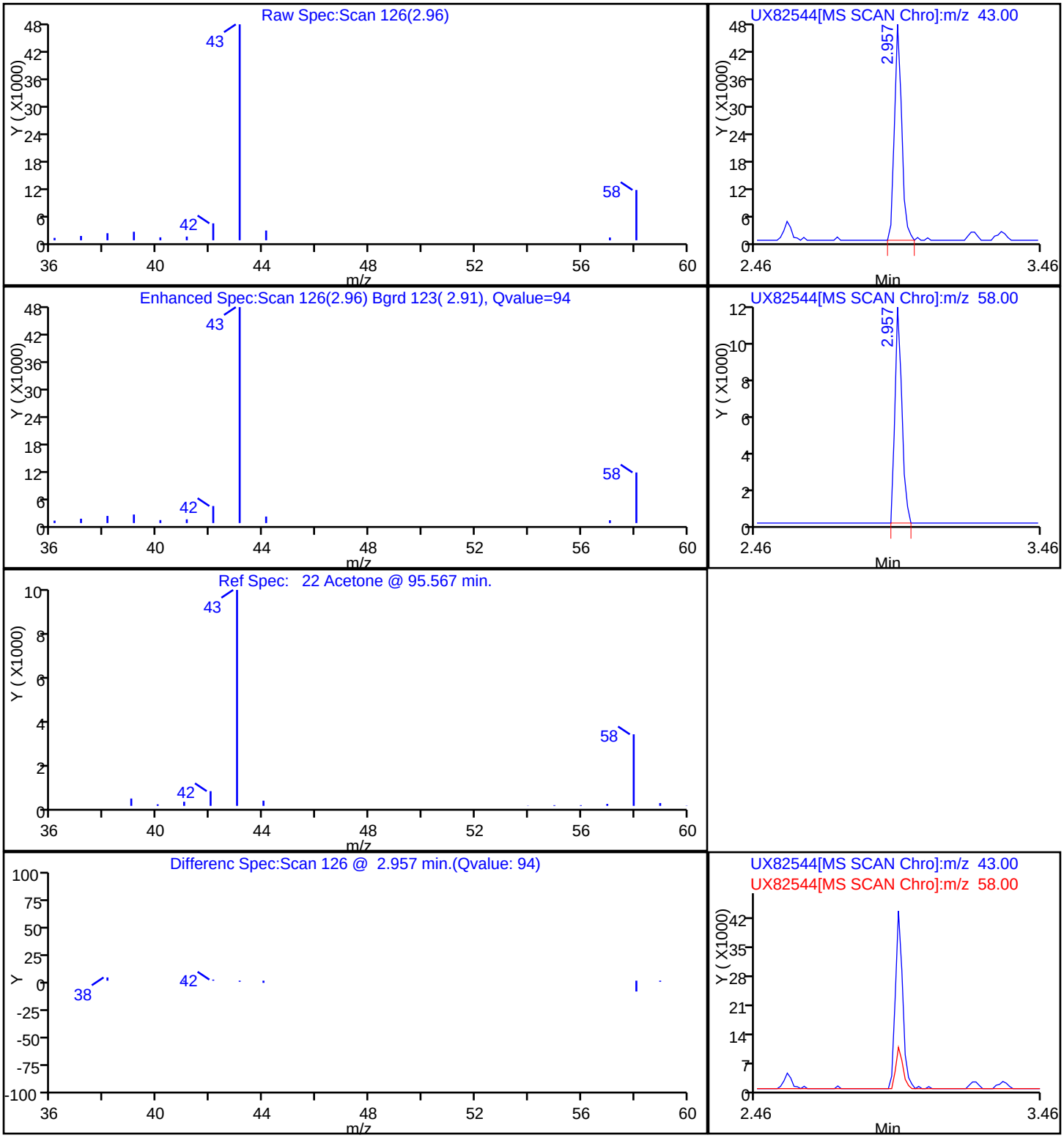
Report Date: 20-Dec-2012 03:33:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82544.D

Injection Date:	17-Dec-2012 05:57:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	20
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



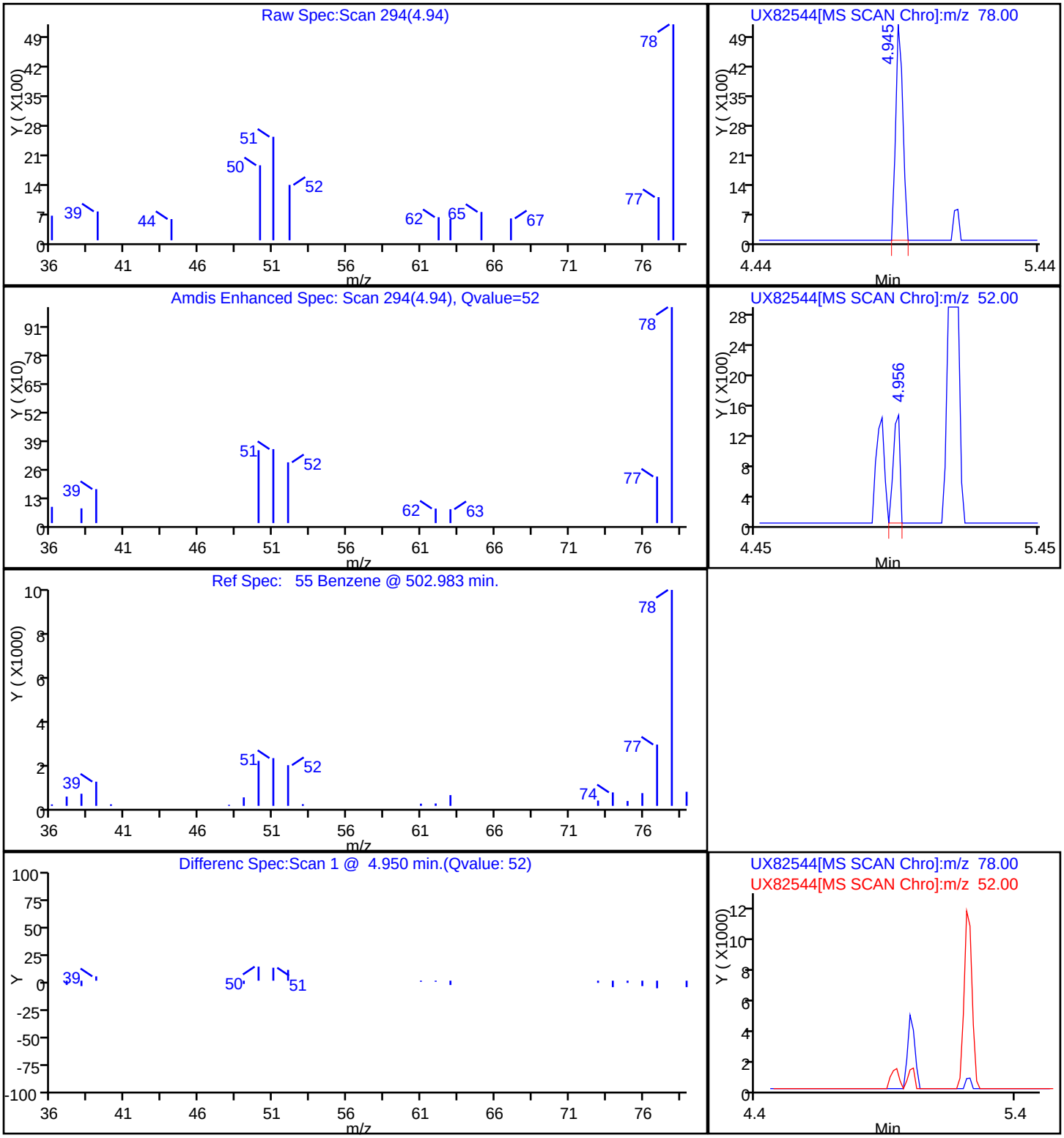
Report Date: 20-Dec-2012 03:33:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82544.D

Injection Date:	17-Dec-2012 05:57:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	20
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

55 Benzene



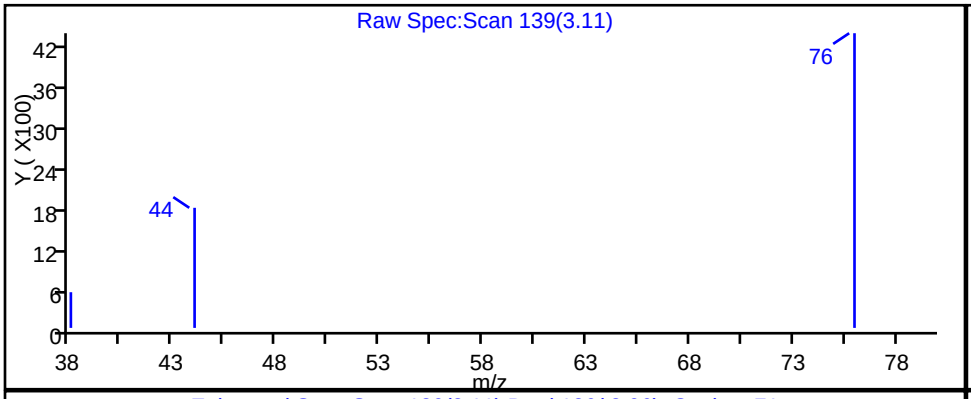
Report Date: 20-Dec-2012 03:33:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

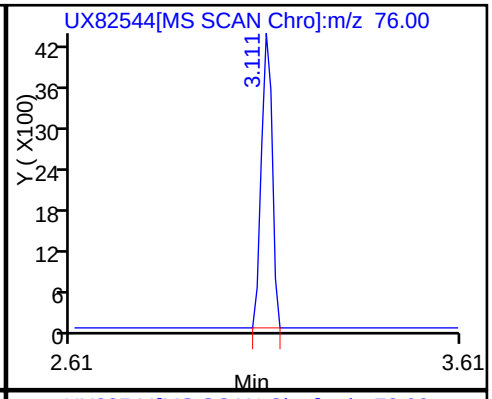
TestAmerica Canton

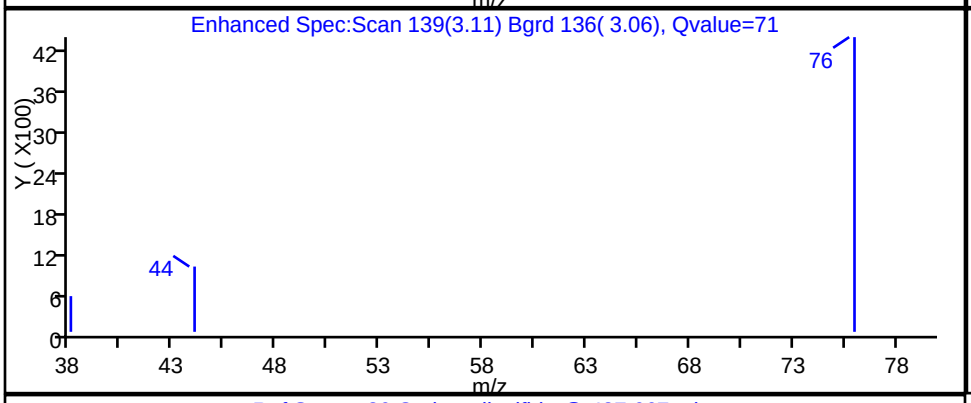
Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82544.D

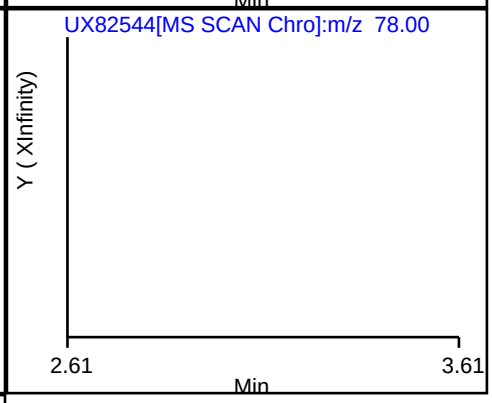
Injection Date:	17-Dec-2012 05:57:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	20
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

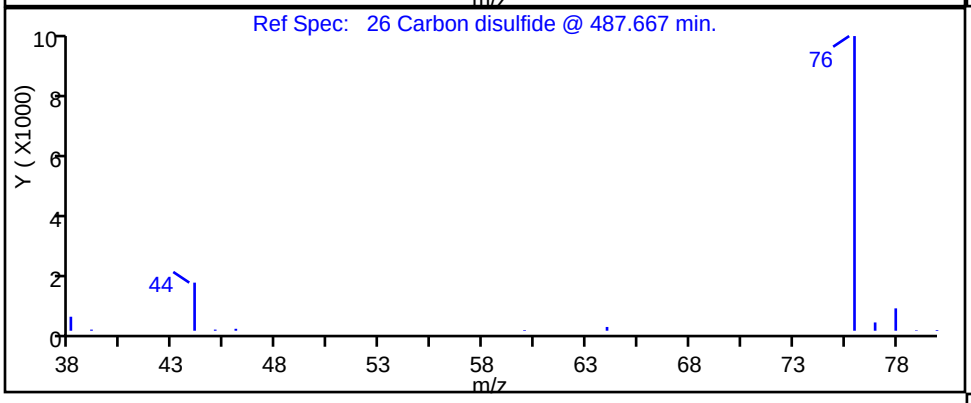
26 Carbon disulfide

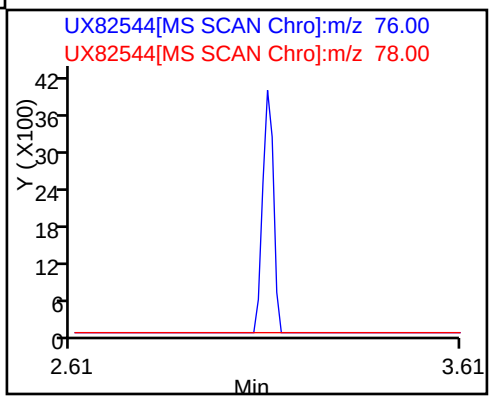












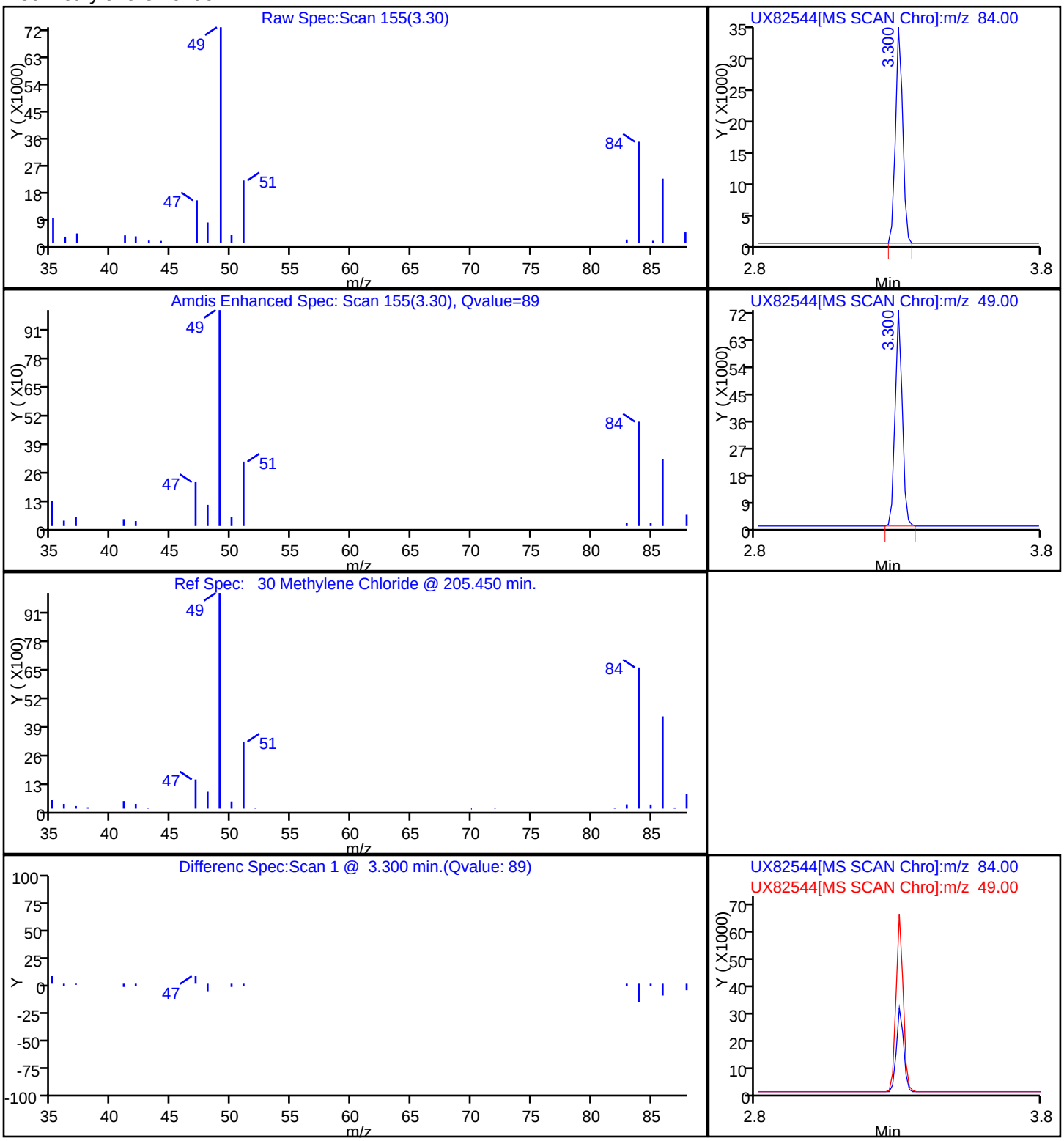
Report Date: 20-Dec-2012 03:33:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82544.D

Injection Date:	17-Dec-2012 05:57:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	20
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



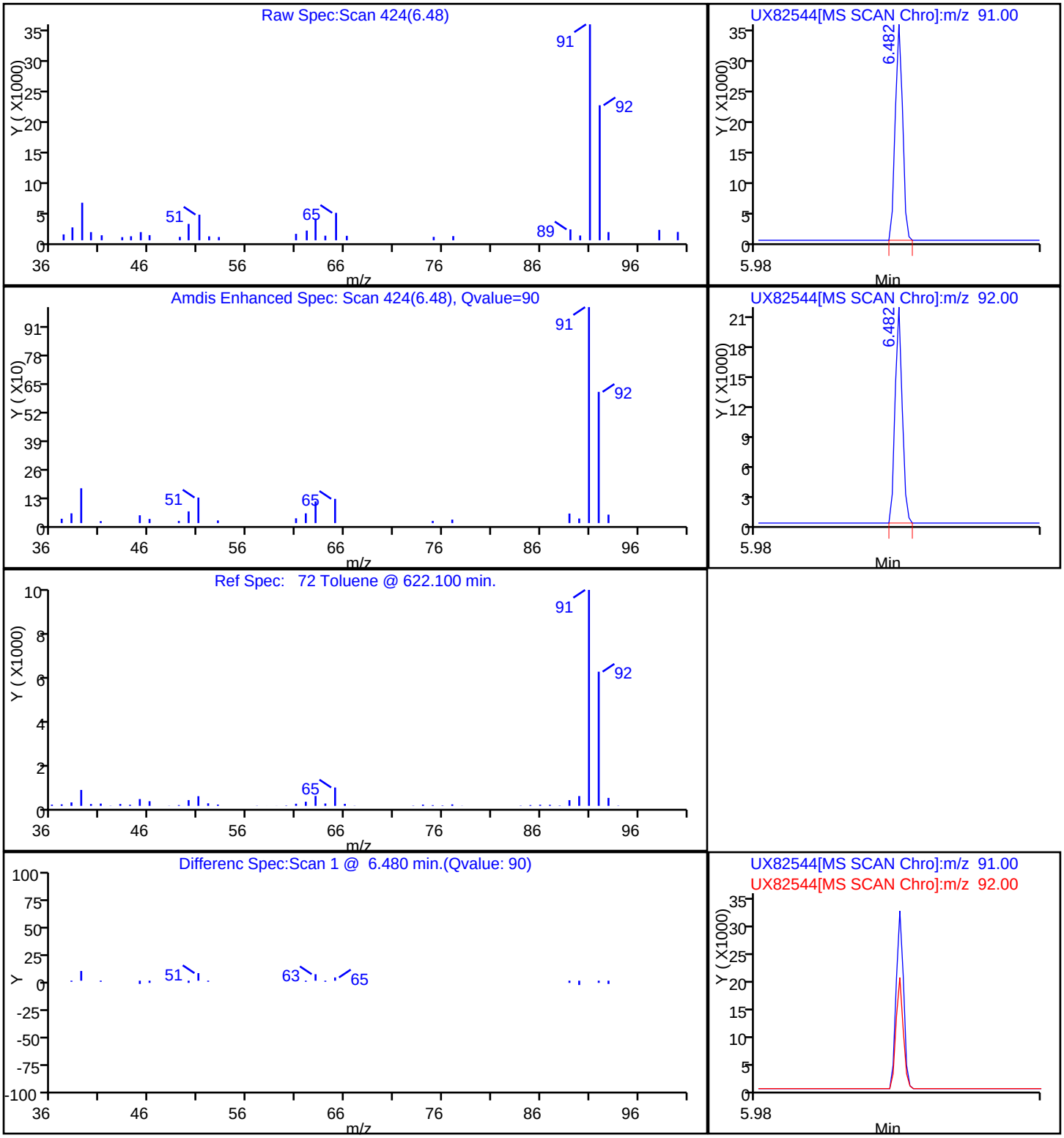
Report Date: 20-Dec-2012 03:33:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82544.D

Injection Date:	17-Dec-2012 05:57:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	20
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0056-0001-SO | Lab Sample ID: 240-18581-7

Matrix: Solid | Lab File ID: UX82547.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 13:04

Sample wt/vol: 5.899(g) | Date Analyzed: 12/17/2012 07:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.3 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-43-2	Benzene	0.48	U	4.8	0.48	0.22
100-41-4	Ethylbenzene	0.48	U	4.8	0.48	0.25
1634-04-4	Methyl tert-butyl ether	0.48	U	4.8	0.48	0.42
108-88-3	Toluene	1.9	J	4.8	0.48	0.26
1330-20-7	Xylenes, Total	1.4	U	9.7	1.4	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	93		85-120
1868-53-7	Dibromofluoromethane (Surr)	89		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		61-130
2037-26-5	Toluene-d8 (Surr)	87		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82547.D
Lims ID: 240-18581-B-7-A Client ID: 072SB-0056-0001-SO
Inject. Date: 17-Dec-2012 07:01:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015896-023
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 22
Lims Batch ID: 68905 Lims Sample ID: 23
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:36:55

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.158	5.155	0.003	100	1562903	50.0	
* 2 Chlorobenzene-d5	117	7.678	7.686	-0.008	90	1180461	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.874	0.004	98	597090	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.623	0.003	67	355019	44.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.886	4.884	0.002	91	463907	47.3	
$ 7 Toluene-d8 (Surr)	98	6.424	6.421	0.003	94	1310546	43.3	
$ 131 4-Bromofluorobenzene (Surr)	95	8.754	8.763	-0.009	94	478953	46.4	
34 Methyl tert-butyl ether	73		3.523					
55 Benzene	78		4.943					9
72 Toluene	91	6.483	6.480	0.003	85	58191	1.99	
84 Ethylbenzene	106		7.793					
10 m-Xylene & p-Xylene	106	7.903	7.900	0.003	1	1636	0.1354	
85 o-Xylene	106		8.267					9
S 114 Xylenes, Total	106				0		0.1354	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

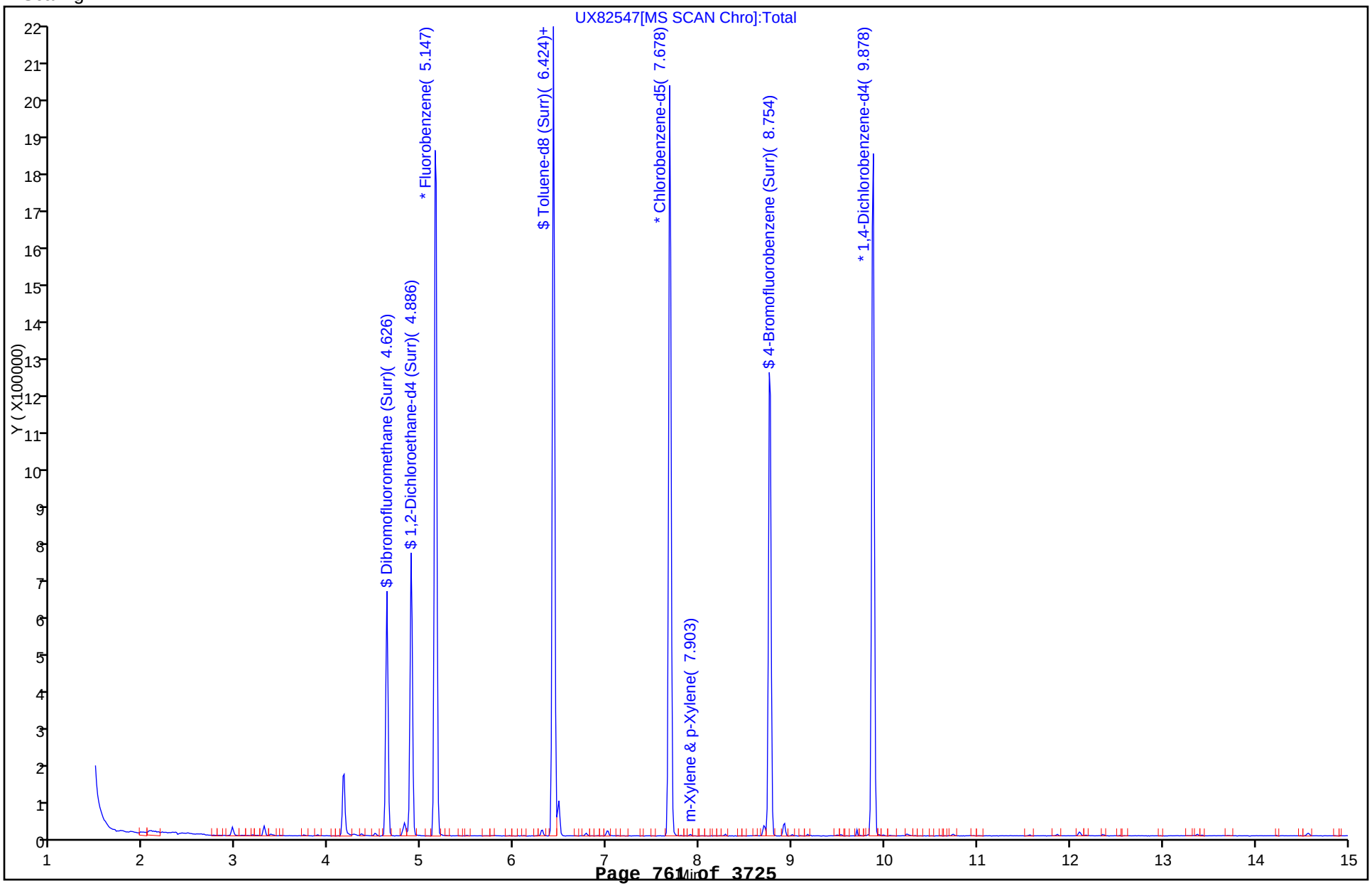
Report Date: 20-Dec-2012 03:33:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82547.D

Injection Date:	17-Dec-2012 07:01:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0056-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	23
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



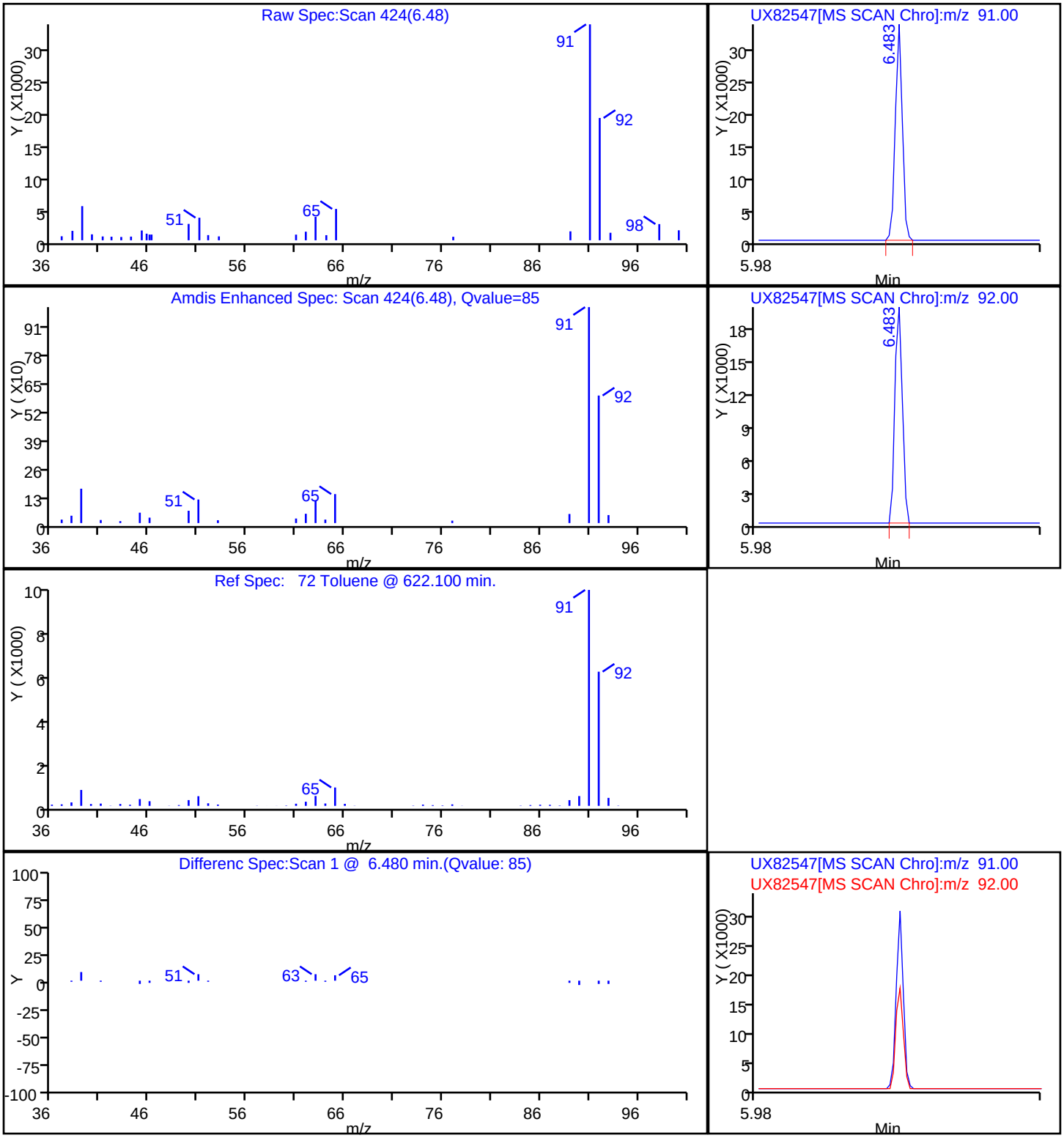
Report Date: 20-Dec-2012 03:33:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82547.D

Injection Date:	17-Dec-2012 07:01:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0056-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	23
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0057-0001-SO Lab Sample ID: 240-18581-8

Matrix: Solid Lab File ID: UX82548.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 13:25

Sample wt/vol: 5.975(g) Date Analyzed: 12/17/2012 07:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 13.0 Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-43-2	Benzene	0.48	U	4.8	0.48	0.22
100-41-4	Ethylbenzene	0.48	U	4.8	0.48	0.25
1634-04-4	Methyl tert-butyl ether	0.48	U	4.8	0.48	0.41
108-88-3	Toluene	1.9	J	4.8	0.48	0.26
1330-20-7	Xylenes, Total	1.4	U	9.6	1.4	0.64

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		85-120
1868-53-7	Dibromofluoromethane (Surr)	96		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		61-130
2037-26-5	Toluene-d8 (Surr)	92		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82548.D
Lims ID: 240-18581-B-8-A
Client ID: 072SB-0057-0001-SO
Inject. Date: 17-Dec-2012 07:22:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015896-024
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279
Instrument ID: A3UX8
Purge Vol: 5.000 mL
ALS Bottle#: 23
Lims Batch ID: 68905
Lims Sample ID: 24
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06
Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat
Date: 17-Dec-2012 21:37:40

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.157	5.155	0.002	99	1545469	50.0	
* 2 Chlorobenzene-d5	117	7.677	7.686	-0.009	90	1119616	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.874	0.003	99	570908	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.625	4.623	0.002	59	371001	47.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.885	4.884	0.001	84	474742	49.3	
$ 7 Toluene-d8 (Surr)	98	6.423	6.421	0.002	95	1310860	46.2	
$ 131 4-Bromofluorobenzene (Surr)	95	8.753	8.763	-0.010	93	466986	48.0	
34 Methyl tert-butyl ether	73		3.523					
55 Benzene	78		4.943					
72 Toluene	91	6.482	6.480	0.002	84	53934	1.95	
84 Ethylbenzene	106		7.793					
10 m-Xylene & p-Xylene	106		7.900					9
85 o-Xylene	106		8.267					
S 114 Xylenes, Total	106		16.530					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

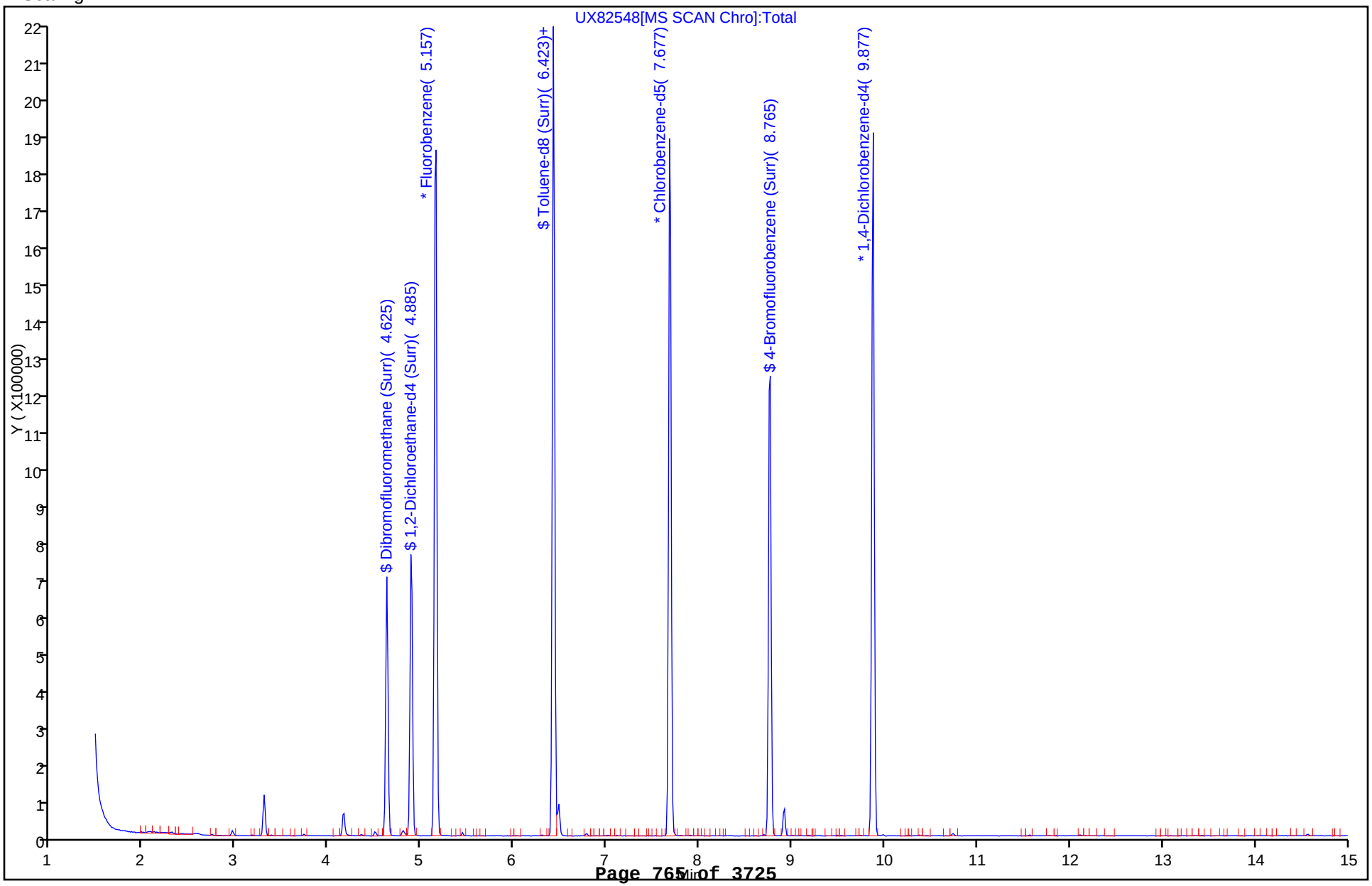
Report Date: 20-Dec-2012 03:33:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82548.D

Injection Date:	17-Dec-2012 07:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0057-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	24
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



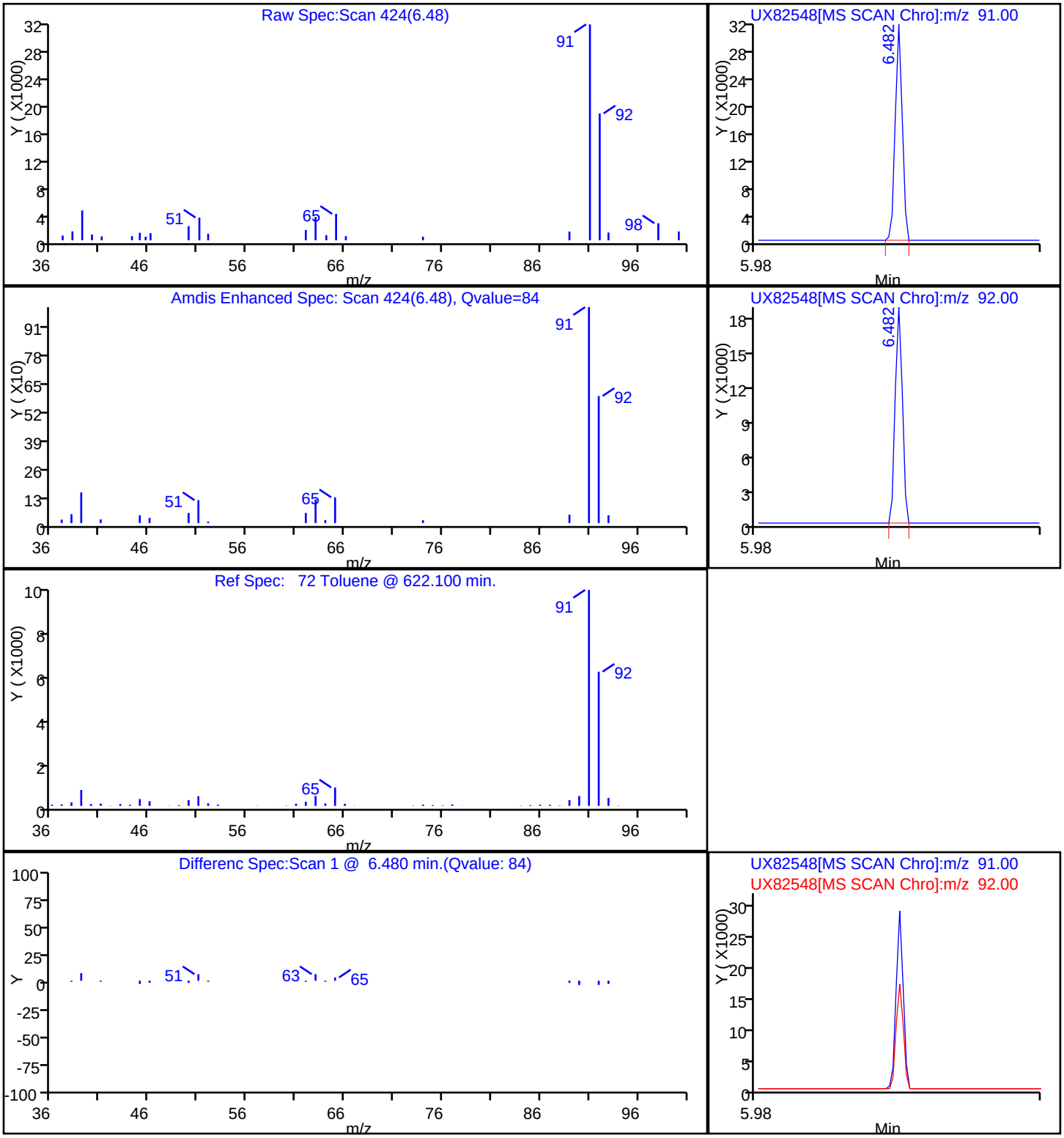
Report Date: 20-Dec-2012 03:33:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82548.D

Injection Date:	17-Dec-2012 07:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0057-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	24
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0058-0001-SO | Lab Sample ID: 240-18581-9

Matrix: Solid | Lab File ID: UX82549.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 13:35

Sample wt/vol: 6.462(g) | Date Analyzed: 12/17/2012 07:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.2 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-43-2	Benzene	0.44	U	4.4	0.44	0.20
100-41-4	Ethylbenzene	0.44	U	4.4	0.44	0.23
1634-04-4	Methyl tert-butyl ether	0.44	U	4.4	0.44	0.37
108-88-3	Toluene	1.3	J	4.4	0.44	0.24
1330-20-7	Xylenes, Total	1.3	U	8.7	1.3	0.58

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		85-120
1868-53-7	Dibromofluoromethane (Surr)	90		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		61-130
2037-26-5	Toluene-d8 (Surr)	89		85-115

Report Date: 20-Dec-2012 03:33:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82549.D
Lims ID: 240-18581-B-9-A Client ID: 072SB-0058-0001-SO
Inject. Date: 17-Dec-2012 07:44:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015896-025
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 24
Lims Batch ID: 68905 Lims Sample ID: 25
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:38:22

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.159	5.155	0.004	99	1599288	50.0	
* 2 Chlorobenzene-d5	117	7.678	7.686	-0.008	90	1171068	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.874	0.004	99	577798	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.623	0.003	58	365709	45.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.887	4.884	0.003	91	480010	48.0	
$ 7 Toluene-d8 (Surr)	98	6.424	6.421	0.003	95	1333556	44.7	
$ 131 4-Bromofluorobenzene (Surr)	95	8.755	8.763	-0.008	95	469210	45.6	
34 Methyl tert-butyl ether	73		3.523					
55 Benzene	78		4.943					
72 Toluene	91	6.483	6.480	0.003	91	44854	1.55	
84 Ethylbenzene	106		7.793					
10 m-Xylene & p-Xylene	106		7.900					
85 o-Xylene	106		8.267					
S 114 Xylenes, Total	106		16.530					

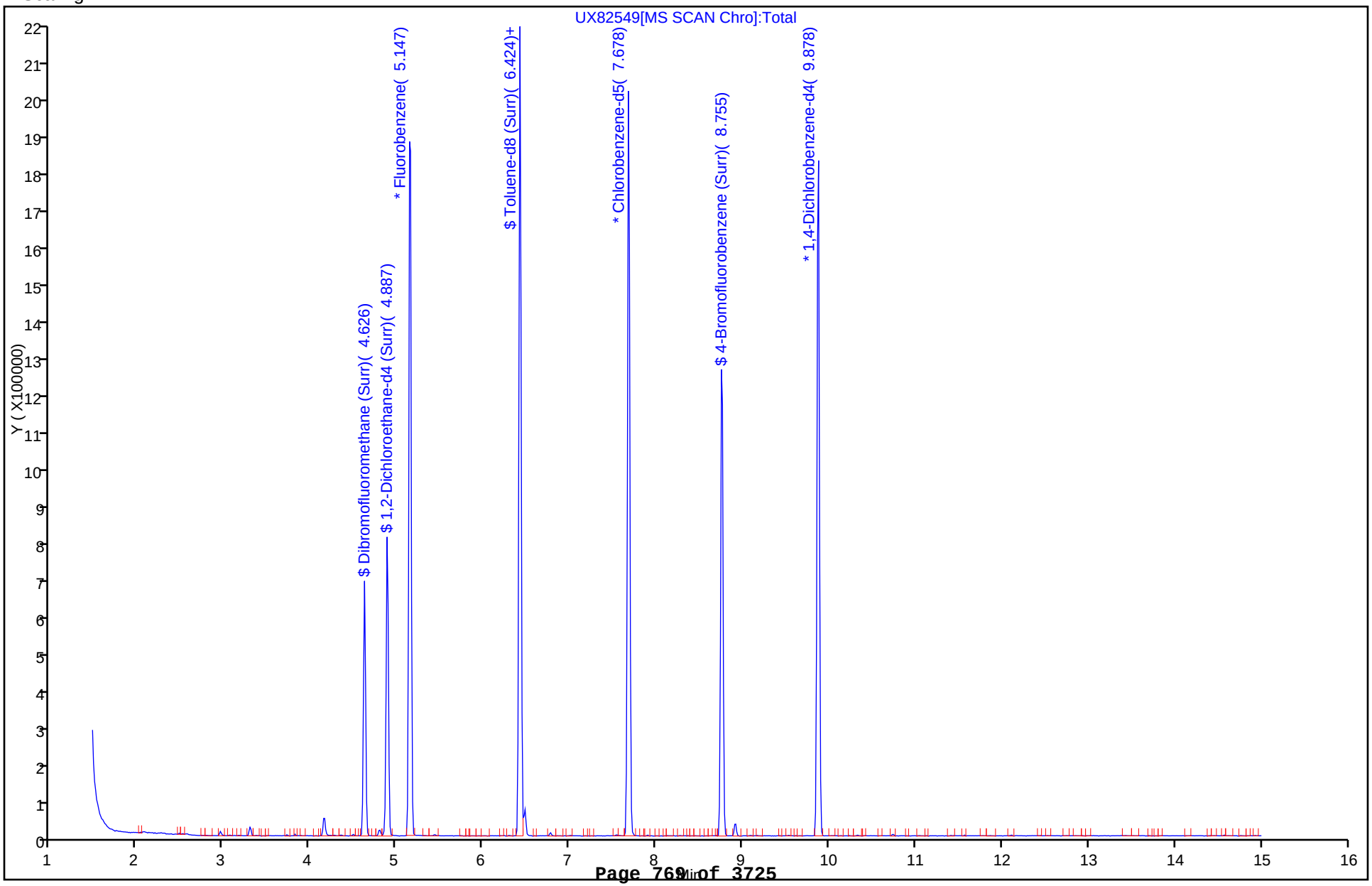
Report Date: 20-Dec-2012 03:33:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82549.D

Injection Date:	17-Dec-2012 07:44:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0058-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	25
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



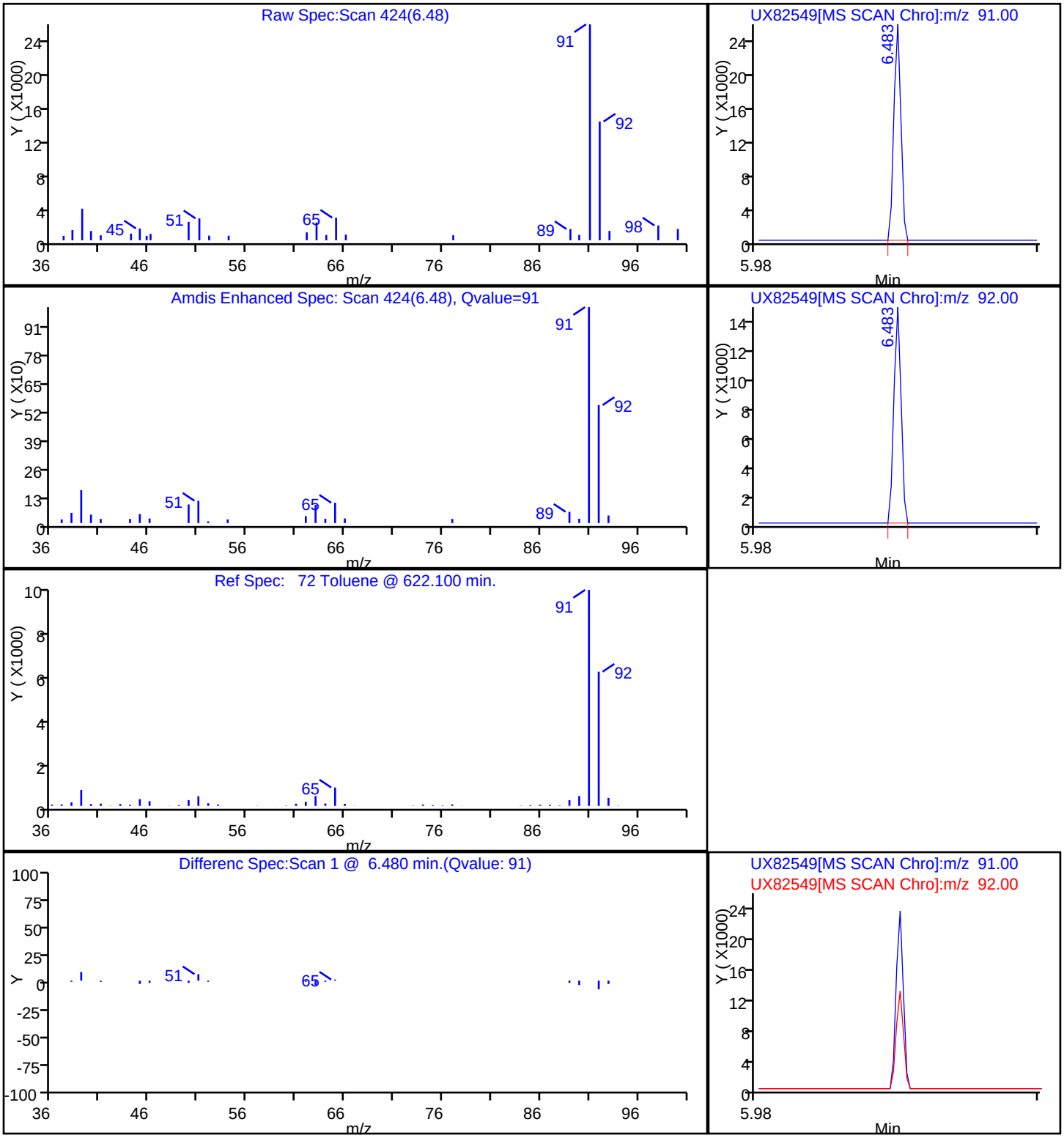
Report Date: 20-Dec-2012 03:33:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82549.D

Injection Date:	17-Dec-2012 07:44:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0058-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	25
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0059-0001-SO | Lab Sample ID: 240-18581-10

Matrix: Solid | Lab File ID: UX82550.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 13:37

Sample wt/vol: 6.802(g) | Date Analyzed: 12/17/2012 08:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 10.8 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-43-2	Benzene	0.41	U	4.1	0.41	0.19
100-41-4	Ethylbenzene	0.41	U	4.1	0.41	0.21
1634-04-4	Methyl tert-butyl ether	0.41	U	4.1	0.41	0.35
108-88-3	Toluene	1.2	J	4.1	0.41	0.22
1330-20-7	Xylenes, Total	1.2	U	8.2	1.2	0.55

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		85-120
1868-53-7	Dibromofluoromethane (Surr)	90		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		61-130
2037-26-5	Toluene-d8 (Surr)	88		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82550.D
Lims ID: 240-18581-B-10-A Client ID: 072SB-0059-0001-SO
Inject. Date: 17-Dec-2012 08:05:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015896-026
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 25
Lims Batch ID: 68905 Lims Sample ID: 26
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:39:13

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.157	5.155	0.002	99	1648114	50.0	
* 2 Chlorobenzene-d5	117	7.677	7.686	-0.009	90	1180050	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.874	0.003	99	601331	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.625	4.623	0.002	59	378203	45.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.885	4.884	0.001	92	479109	46.1	
$ 7 Toluene-d8 (Surr)	98	6.423	6.421	0.002	95	1332463	44.2	
$ 131 4-Bromofluorobenzene (Surr)	95	8.753	8.763	-0.010	92	484251	47.0	
34 Methyl tert-butyl ether	73		3.523					
55 Benzene	78		4.943					
72 Toluene	91	6.482	6.480	0.002	88	42752	1.46	
84 Ethylbenzene	106		7.793					
10 m-Xylene & p-Xylene	106		7.900					
85 o-Xylene	106		8.267					
S 114 Xylenes, Total	106		16.530					

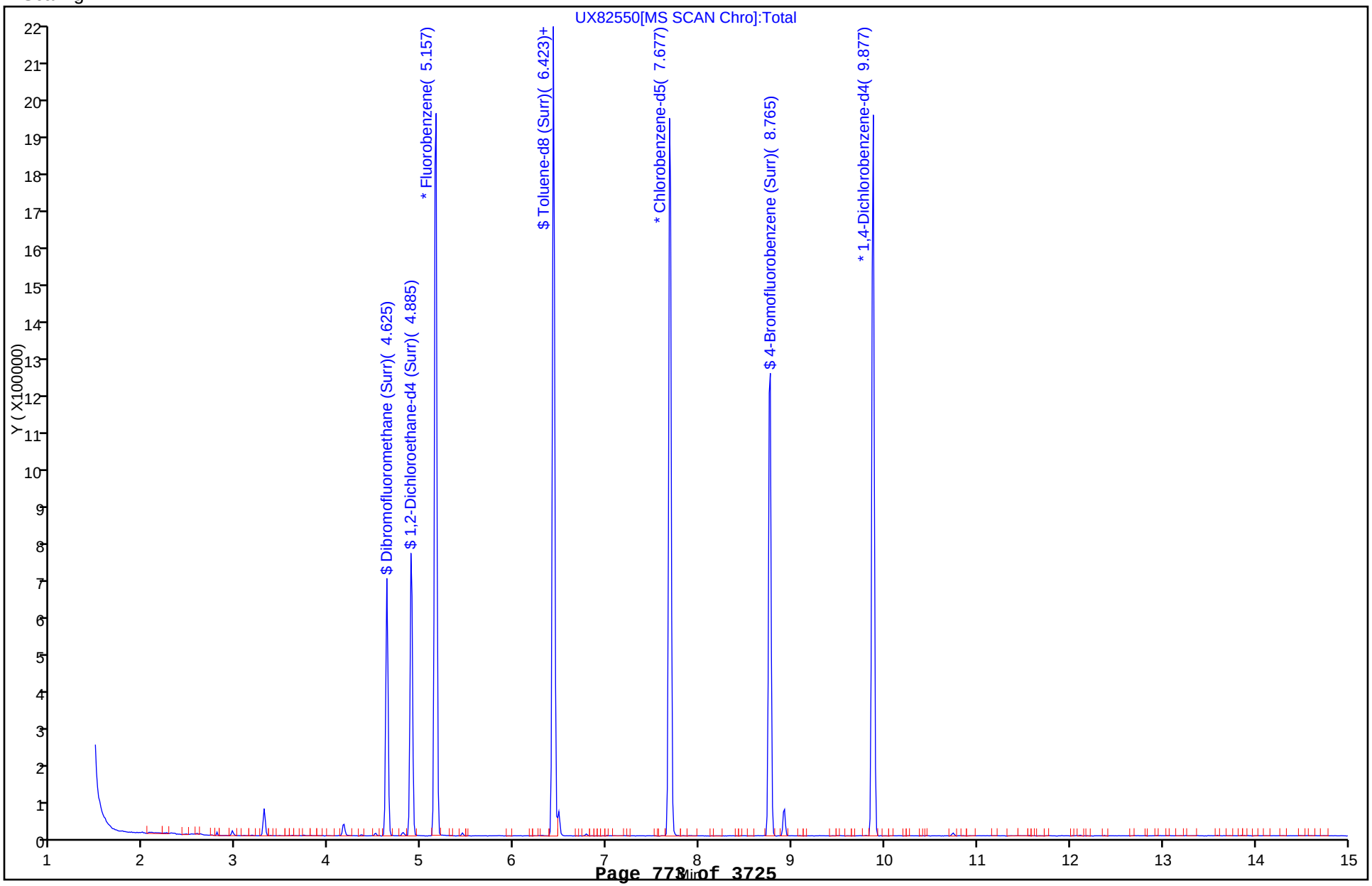
Report Date: 20-Dec-2012 03:33:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82550.D

Injection Date:	17-Dec-2012 08:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0059-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	26
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



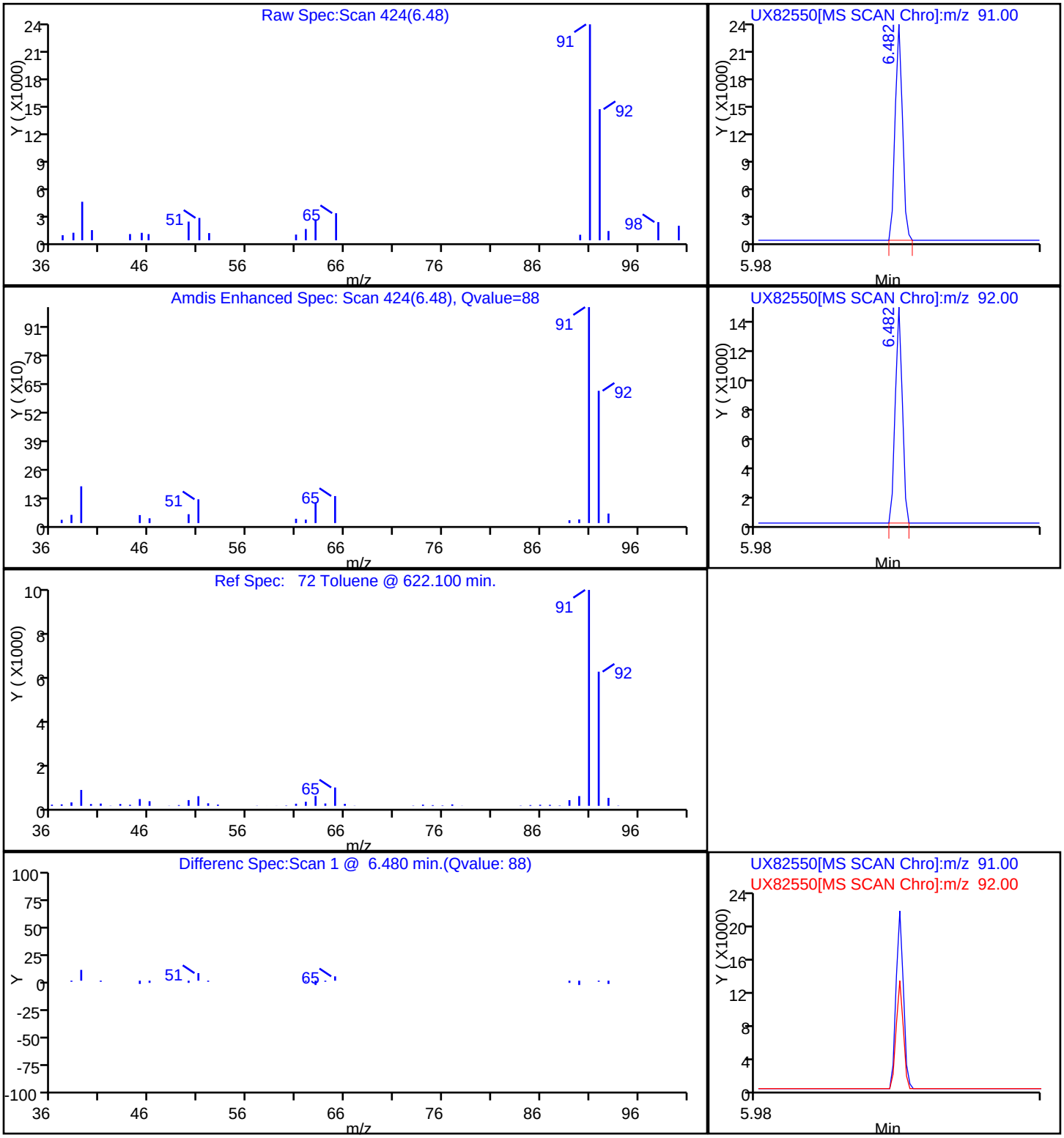
Report Date: 20-Dec-2012 03:33:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82550.D

Injection Date:	17-Dec-2012 08:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0059-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	26
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0060-0001-SO | Lab Sample ID: 240-18581-11

Matrix: Solid | Lab File ID: UX82551.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 13:45

Sample wt/vol: 6.289(g) | Date Analyzed: 12/17/2012 08:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 9.7 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-43-2	Benzene	0.44	U	4.4	0.44	0.20
100-41-4	Ethylbenzene	0.44	U	4.4	0.44	0.23
1634-04-4	Methyl tert-butyl ether	0.44	U	4.4	0.44	0.38
108-88-3	Toluene	1.4	J	4.4	0.44	0.24
1330-20-7	Xylenes, Total	1.3	U	8.8	1.3	0.59

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		85-120
1868-53-7	Dibromofluoromethane (Surr)	94		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		61-130
2037-26-5	Toluene-d8 (Surr)	89		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82551.D		
Lims ID:	240-18581-B-11-A	Client ID:	072SB-0060-0001-SO
Inject. Date:	17-Dec-2012 08:26:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015896-027		
Misc. Info.:	M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279		
Operator:	402279	Instrument ID:	A3UX8
Purge Vol:	5.000 mL	ALS Bottle#:	26
Lims Batch ID:	68905	Lims Sample ID:	27
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m		
Last Update:	20-Dec-2012 03:33:06	Calib Date:	15-Dec-2012 00:08:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK025		
First Level Reviewer: latat		Date:	17-Dec-2012 21:40:13

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.156	5.155	0.001	99	1541756	50.0	
* 2 Chlorobenzene-d5	117	7.687	7.686	0.001	90	1179936	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.876	9.874	0.002	98	595340	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.624	4.623	0.001	59	365473	47.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.884	4.884	0.0	91	470521	48.9	
$ 7 Toluene-d8 (Surr)	98	6.422	6.421	0.001	95	1343435	44.6	
$ 131 4-Bromofluorobenzene (Surr)	95	8.764	8.763	0.001	95	488624	47.5	
34 Methyl tert-butyl ether	73		3.523					
55 Benzene	78		4.943					
72 Toluene	91	6.481	6.480	0.001	89	45694	1.57	
84 Ethylbenzene	106		7.793					
10 m-Xylene & p-Xylene	106		7.900					
85 o-Xylene	106		8.267					
S 114 Xylenes, Total	106		16.530					

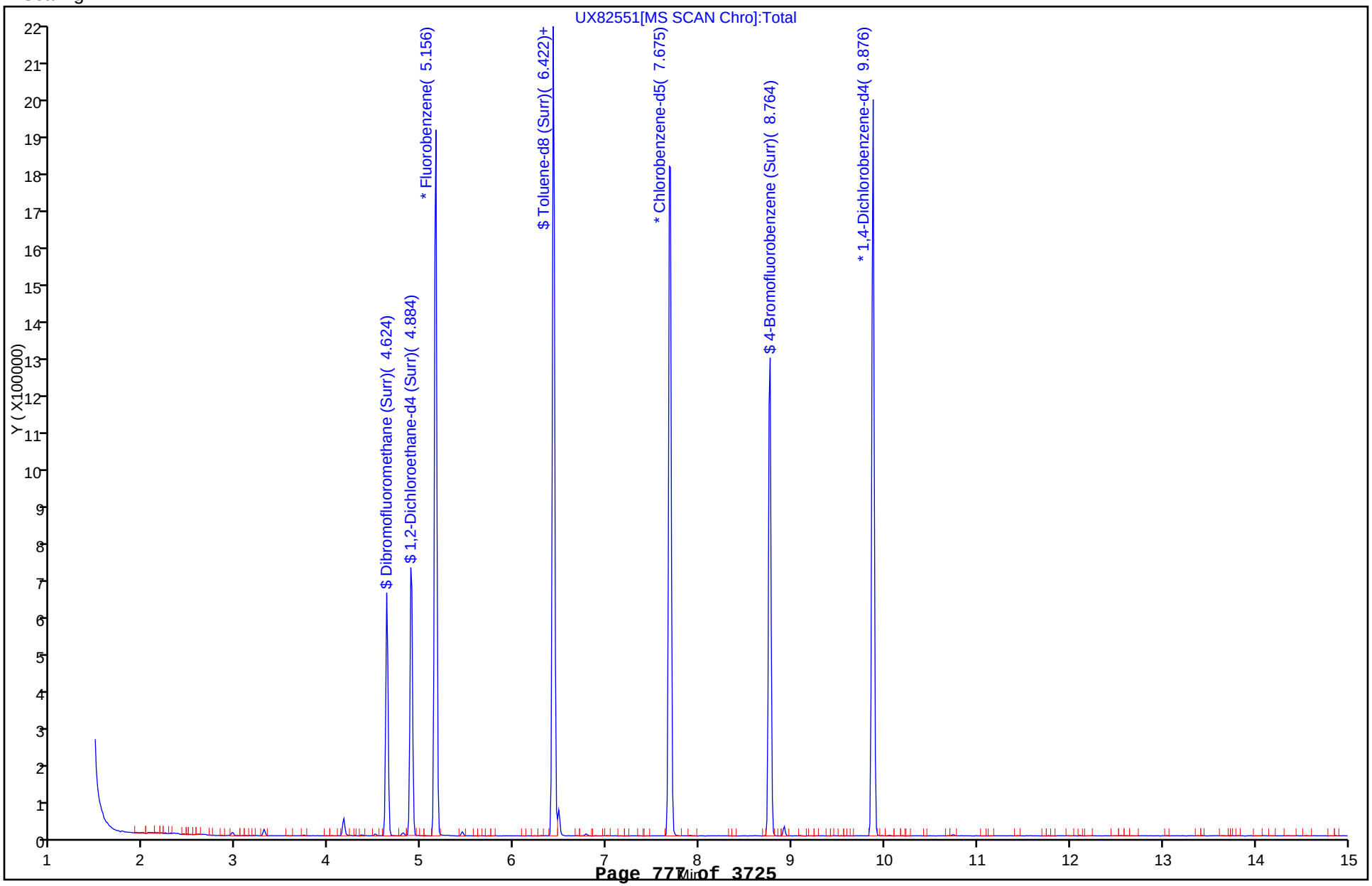
Report Date: 20-Dec-2012 03:33:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82551.D

Injection Date:	17-Dec-2012 08:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0060-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	27
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



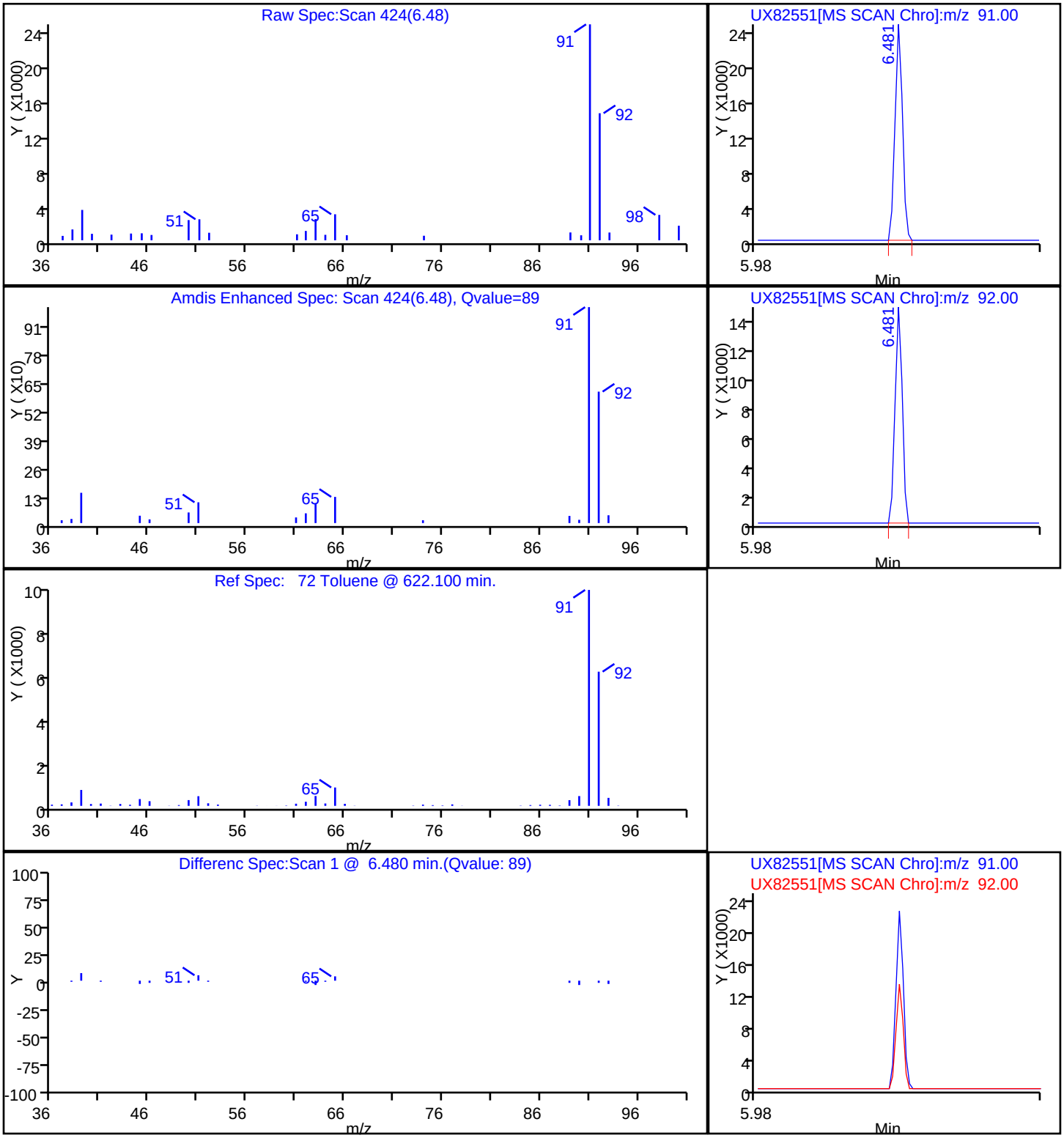
Report Date: 20-Dec-2012 03:33:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82551.D

Injection Date:	17-Dec-2012 08:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0060-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	27
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0061-0001-TB | Lab Sample ID: 240-18581-12

Matrix: Water | Lab File ID: UXJ8986.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2012 19:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68395 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	1.1	U	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	0.35	J B	1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28
67-66-3	Chloroform	0.25	U	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0061-0001-TB Lab Sample ID: 240-18581-12

Matrix: Water Lab File ID: UXJ8986.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 12/12/2012 19:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68395 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-120
460-00-4	4-Bromofluorobenzene (Surr)	100		75-120
1868-53-7	Dibromofluoromethane (Surr)	90		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8986.D
Lims ID: 240-18581-B-12 Client ID: 072SB-0061-0001-TB
Inject. Date: 12-Dec-2012 19:19:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015761-020
Misc. Info.: J21212A,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 21
Lims Batch ID: 68395 Lims Sample ID: 20
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\8260_11.m
Last Update: 13-Dec-2012 08:28:24 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: evansle Date: 13-Dec-2012 08:14:31

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1179184	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	84	712030	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	95	221075	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	94	241413	7.48	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	91	298684	7.98	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	84	971034	7.96	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	89	203140	8.33	
9 Chloromethane	50		1.696					
10 Vinyl chloride	62		1.790					
11 Bromomethane	94		2.074					
12 Chloroethane	64		2.157					
17 Acetone	43		2.772					
19 1,1-Dichloroethene	96		2.784					
23 Carbon disulfide	76		2.973					
26 Methylene Chloride	84	3.163	3.163	0.0	63	8172	0.3507	
30 Methyl tert-butyl ether	73		3.364					
29 trans-1,2-Dichloroethene	96		3.364					
32 1,1-Dichloroethane	63		3.695					
40 cis-1,2-Dichloroethene	96		4.169					
38 2-Butanone (MEK)	43		4.169					
43 Chlorobromomethane	128		4.358					
45 Chloroform	83		4.417					9
46 1,1,1-Trichloroethane	97		4.595					
49 Carbon tetrachloride	117		4.737					
52 Benzene	78		4.902					9
51 1,2-Dichloroethane	62		4.902					
56 Trichloroethene	130		5.435					
59 1,2-Dichloropropane	63		5.612					
63 Dichlorobromomethane	83		5.837					
66 cis-1,3-Dichloropropene	75		6.228					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
67 4-Methyl-2-pentanone (MIBK)	43		6.358					
68 Toluene	91		6.535					9
69 trans-1,3-Dichloropropene	75		6.713					
71 1,1,2-Trichloroethane	97		6.878					
72 Tetrachloroethene	164		7.032					
74 2-Hexanone	43		7.091					
76 Chlorodibromomethane	129		7.245					
77 Ethylene Dibromide	107		7.352					
79 Chlorobenzene	112		7.813					
81 Ethylbenzene	106		7.908					
82 m-Xylene & p-Xylene	106		8.014					
83 o-Xylene	106		8.393					
84 Styrene	104		8.405					
85 Bromoform	173		8.582					
88 1,1,2,2-Tetrachloroethane	83		9.020					
S 112 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106		16.530					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

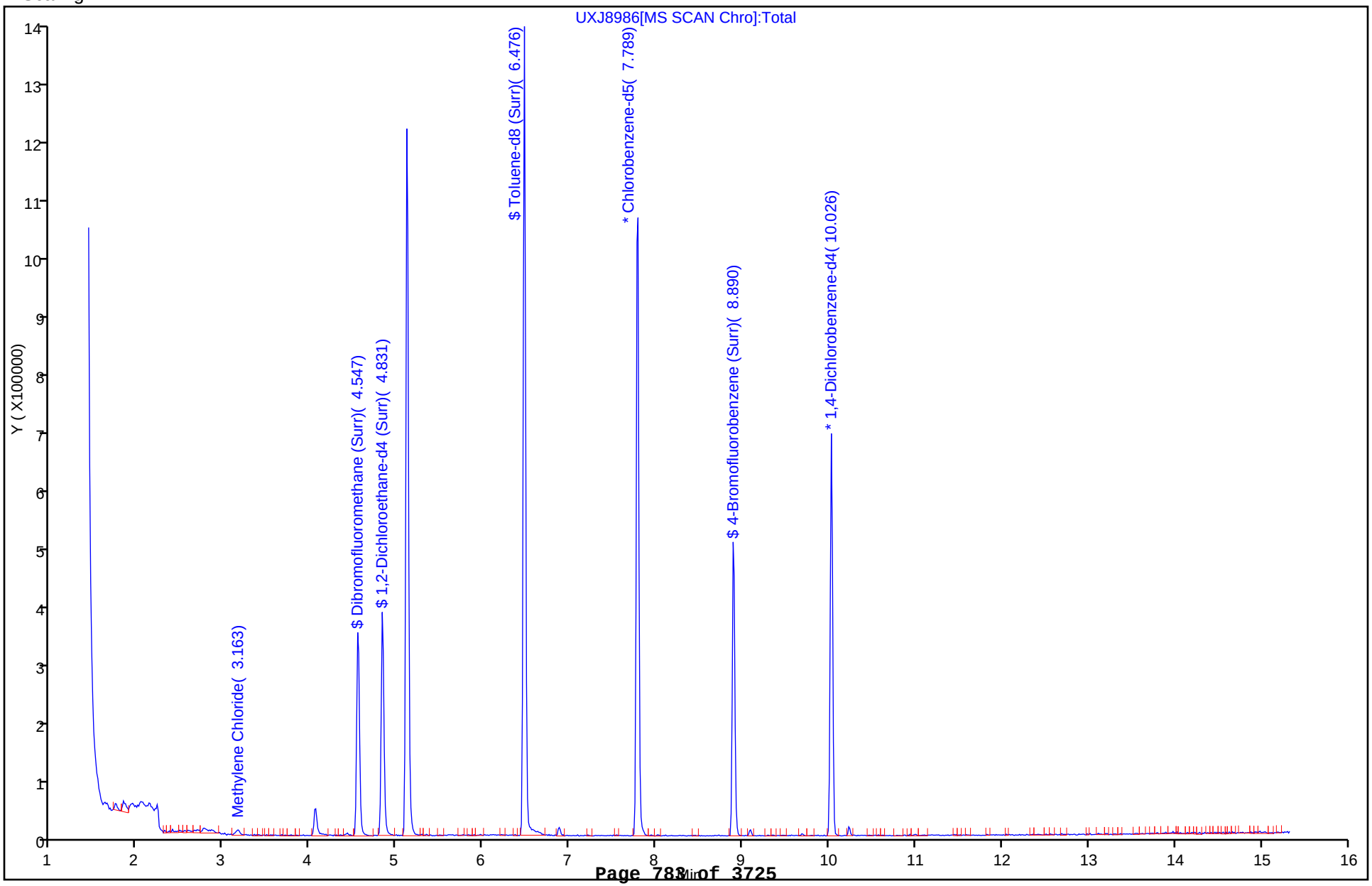
Report Date: 13-Dec-2012 08:28:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8986.D

Injection Date:	12-Dec-2012 19:19:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0061-0001-TB	Instrument ID:	A3UX11
Lims Batch ID:	68395	Lims Sample ID:	20
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



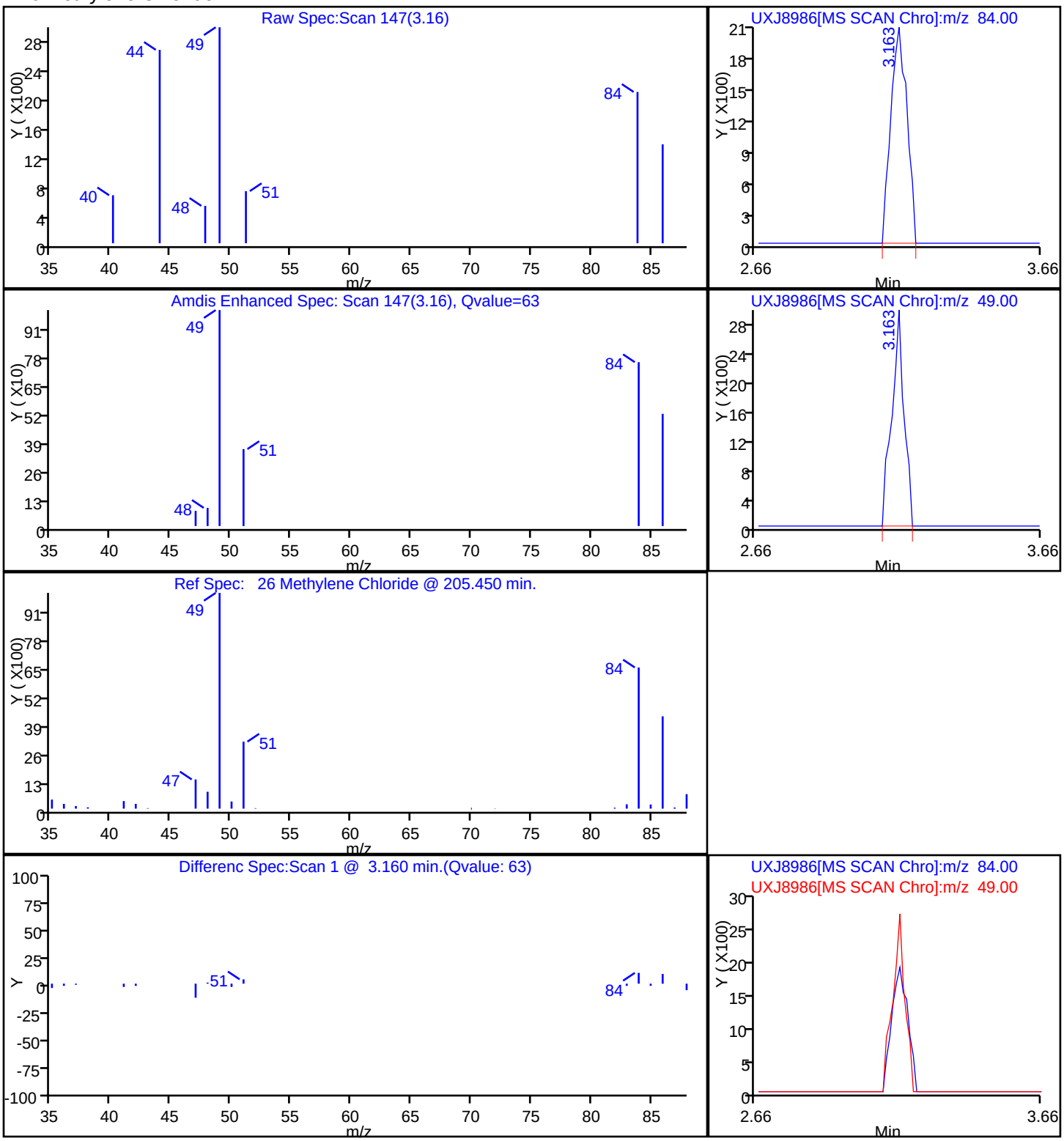
Report Date: 13-Dec-2012 08:28:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8986.D

Injection Date:	12-Dec-2012 19:19:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0061-0001-TB	Instrument ID:	A3UX11
Lims Batch ID:	68395	Lims Sample ID:	20
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

26 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0070-0001-SO | Lab Sample ID: 240-18581-13

Matrix: Solid | Lab File ID: UX82552.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 14:20

Sample wt/vol: 6.505(g) | Date Analyzed: 12/17/2012 08:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.0 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-43-2	Benzene	0.43	U	4.3	0.43	0.20
100-41-4	Ethylbenzene	0.43	U	4.3	0.43	0.22
1634-04-4	Methyl tert-butyl ether	0.43	U	4.3	0.43	0.37
108-88-3	Toluene	1.1	J	4.3	0.43	0.23
1330-20-7	Xylenes, Total	1.3	U	8.6	1.3	0.58

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		85-120
1868-53-7	Dibromofluoromethane (Surr)	93		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		61-130
2037-26-5	Toluene-d8 (Surr)	90		85-115

Report Date: 20-Dec-2012 03:33:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82552.D		
Lims ID:	240-18581-B-13-A	Client ID:	072SB-0070-0001-SO
Inject. Date:	17-Dec-2012 08:47:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015896-028		
Misc. Info.:	M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279		
Operator:	402279	Instrument ID:	A3UX8
Purge Vol:	5.000 mL	ALS Bottle#:	27
Lims Batch ID:	68905	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m		
Last Update:	20-Dec-2012 03:33:06	Calib Date:	15-Dec-2012 00:08:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK025		
First Level Reviewer: latat		Date:	17-Dec-2012 21:40:56

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.156	5.155	0.001	99	1580751	50.0	
* 2 Chlorobenzene-d5	117	7.688	7.686	0.002	90	1156931	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.876	9.874	0.002	98	585941	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.624	4.623	0.001	63	370031	46.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.884	4.884	0.0	92	484084	49.2	
$ 7 Toluene-d8 (Surr)	98	6.422	6.421	0.001	95	1323872	44.9	
$ 131 4-Bromofluorobenzene (Surr)	95	8.764	8.763	0.001	96	477280	47.3	
34 Methyl tert-butyl ether	73		3.523					
55 Benzene	78		4.943					
72 Toluene	91	6.481	6.480	0.001	82	38067	1.33	
84 Ethylbenzene	106		7.793					
10 m-Xylene & p-Xylene	106		7.900					
85 o-Xylene	106		8.267					
S 114 Xylenes, Total	106		16.530					

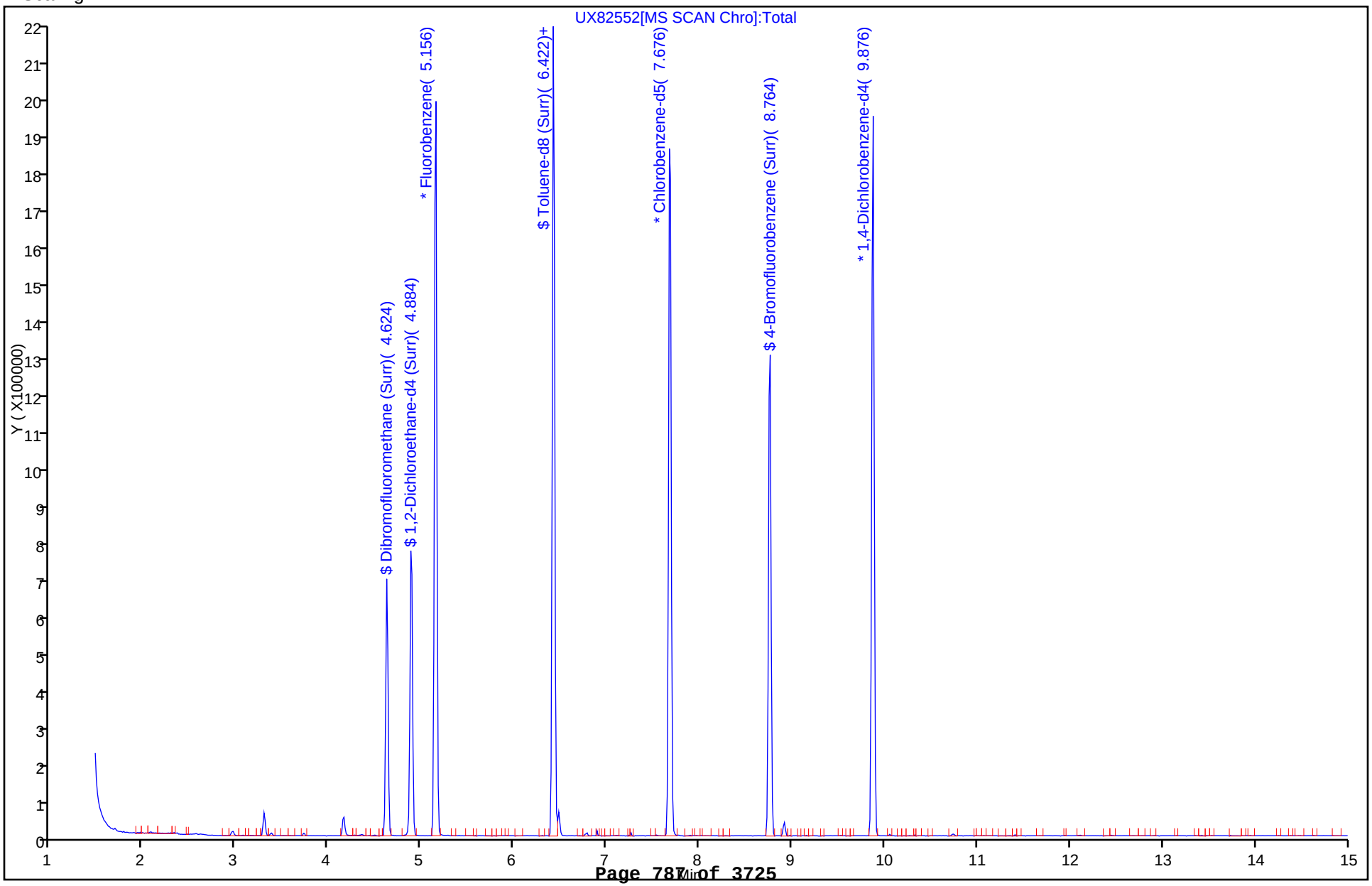
Report Date: 20-Dec-2012 03:33:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82552.D

Injection Date:	17-Dec-2012 08:47:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0070-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	28
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



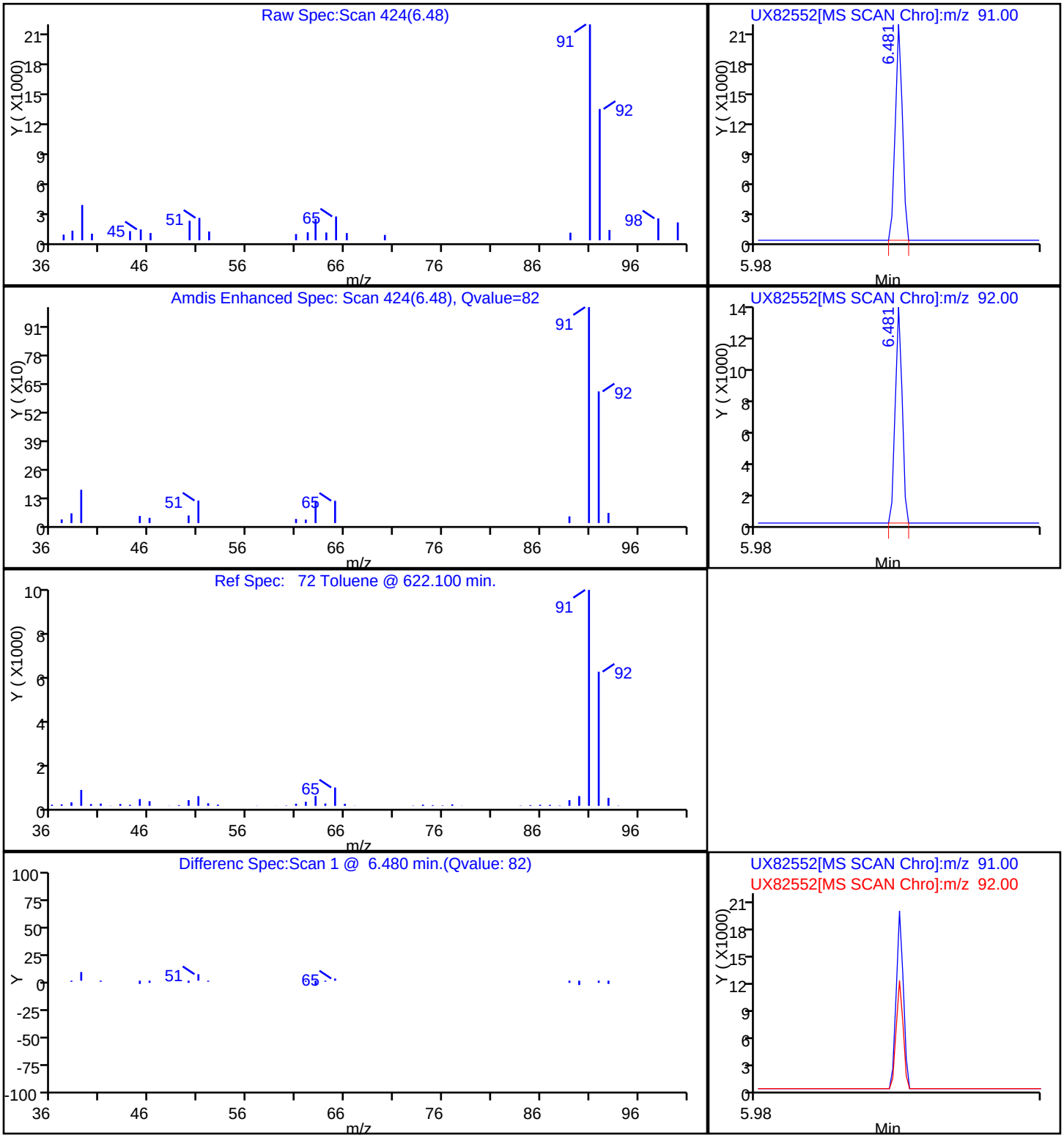
Report Date: 20-Dec-2012 03:33:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82552.D

Injection Date:	17-Dec-2012 08:47:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0070-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	28
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0071-0001-SO | Lab Sample ID: 240-18581-14

Matrix: Solid | Lab File ID: UX82553.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 14:40

Sample wt/vol: 6.953(g) | Date Analyzed: 12/17/2012 09:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.0 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-43-2	Benzene	0.41	U	4.1	0.41	0.19
100-41-4	Ethylbenzene	0.41	U	4.1	0.41	0.21
1634-04-4	Methyl tert-butyl ether	0.41	U	4.1	0.41	0.35
108-88-3	Toluene	1.2	J	4.1	0.41	0.22
1330-20-7	Xylenes, Total	1.2	U	8.2	1.2	0.55

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	90		85-120
1868-53-7	Dibromofluoromethane (Surr)	92		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		61-130
2037-26-5	Toluene-d8 (Surr)	89		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82553.D
Lims ID: 240-18581-B-14-A Client ID: 072SB-0071-0001-SO
Inject. Date: 17-Dec-2012 09:09:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015896-029
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 28
Lims Batch ID: 68905 Lims Sample ID: 29
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:41:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.155	5.155	0.0	99	1599399	50.0	
* 2 Chlorobenzene-d5	117	7.687	7.686	0.001	90	1170271	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.874	0.001	99	576560	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.623	0.0	59	370781	45.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.895	4.884	0.011	92	484886	48.6	
$ 7 Toluene-d8 (Surr)	98	6.421	6.421	0.0	95	1324813	44.3	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.763	0.0	94	464094	45.1	
34 Methyl tert-butyl ether	73		3.523					
55 Benzene	78		4.943					
72 Toluene	91	6.480	6.480	0.0	87	42303	1.46	
84 Ethylbenzene	106		7.793					
10 m-Xylene & p-Xylene	106		7.900					
85 o-Xylene	106		8.267					
S 114 Xylenes, Total	106		16.530					

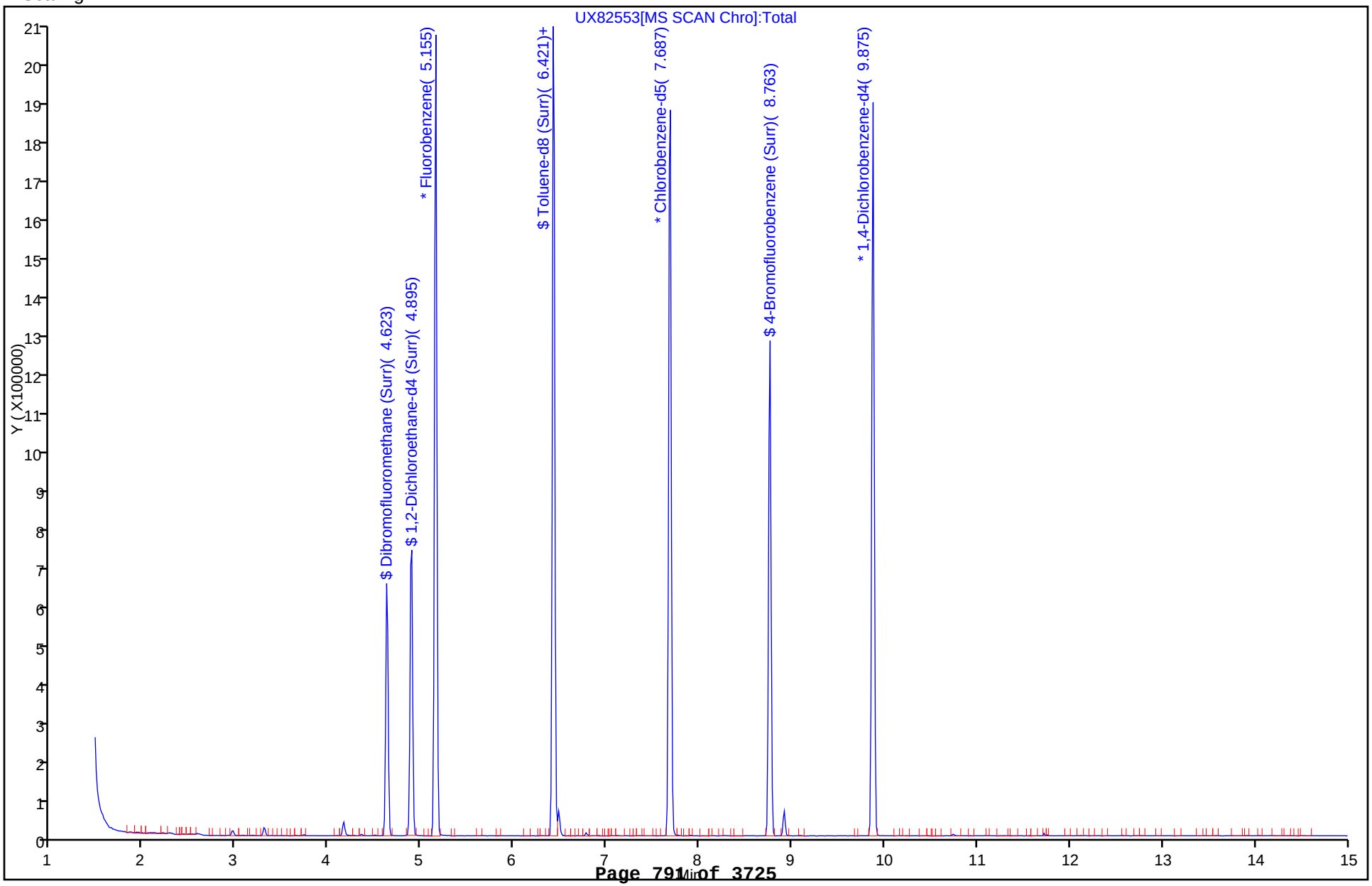
Report Date: 20-Dec-2012 03:33:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82553.D

Injection Date:	17-Dec-2012 09:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0071-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	29
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



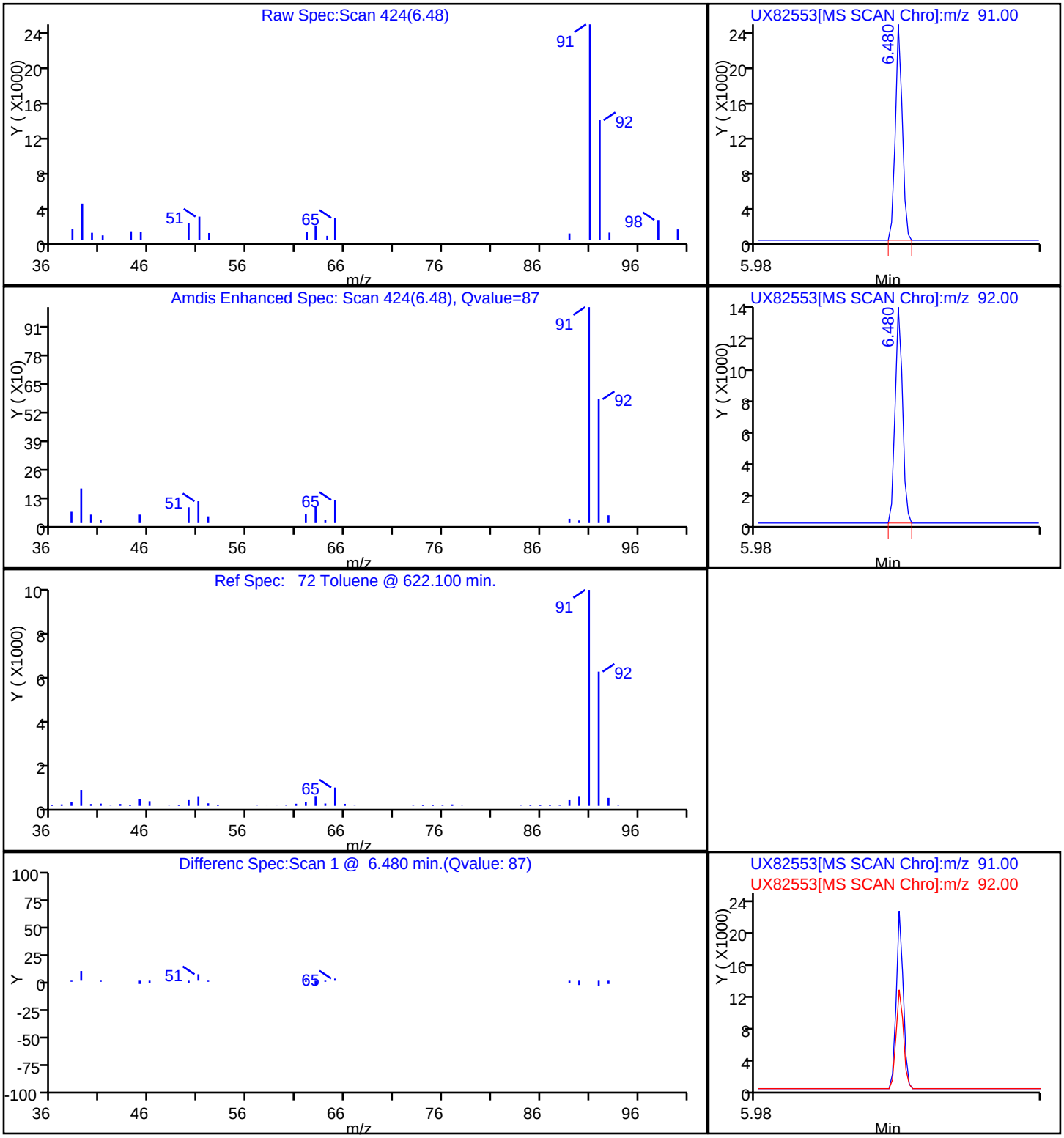
Report Date: 20-Dec-2012 03:33:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82553.D

Injection Date:	17-Dec-2012 09:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0071-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	29
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0072-0001-SO | Lab Sample ID: 240-18581-15

Matrix: Solid | Lab File ID: UX82554.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 14:55

Sample wt/vol: 6.572(g) | Date Analyzed: 12/17/2012 09:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 13.7 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-43-2	Benzene	0.44	U	4.4	0.44	0.20
100-41-4	Ethylbenzene	0.44	U	4.4	0.44	0.23
1634-04-4	Methyl tert-butyl ether	0.44	U	4.4	0.44	0.38
108-88-3	Toluene	1.0	J	4.4	0.44	0.24
1330-20-7	Xylenes, Total	1.3	U	8.8	1.3	0.59

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	90		85-120
1868-53-7	Dibromofluoromethane (Surr)	88		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		61-130
2037-26-5	Toluene-d8 (Surr)	87		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82554.D		
Lims ID:	240-18581-B-15-A	Client ID:	072SB-0072-0001-SO
Inject. Date:	17-Dec-2012 09:30:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015896-030		
Misc. Info.:	M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279		
Operator:	402279	Instrument ID:	A3UX8
Purge Vol:	5.000 mL	ALS Bottle#:	29
Lims Batch ID:	68905	Lims Sample ID:	30
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m		
Last Update:	20-Dec-2012 03:33:06	Calib Date:	15-Dec-2012 00:08:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK025		
First Level Reviewer: latat		Date:	17-Dec-2012 21:42:06

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.148	5.155	-0.007	99	1562228	50.0	
* 2 Chlorobenzene-d5	117	7.679	7.686	-0.007	90	1188376	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.879	9.874	0.005	99	595381	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.627	4.623	0.004	59	350818	44.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.887	4.884	0.003	92	470475	48.2	
$ 7 Toluene-d8 (Surr)	98	6.425	6.421	0.004	94	1319671	43.3	
$ 131 4-Bromofluorobenzene (Surr)	95	8.755	8.763	-0.008	93	470389	44.9	
34 Methyl tert-butyl ether	73		3.523					
55 Benzene	78		4.943					
72 Toluene	91	6.484	6.480	0.004	77	33887	1.15	
84 Ethylbenzene	106		7.793					
10 m-Xylene & p-Xylene	106		7.900					
85 o-Xylene	106		8.267					
S 114 Xylenes, Total	106		16.530					

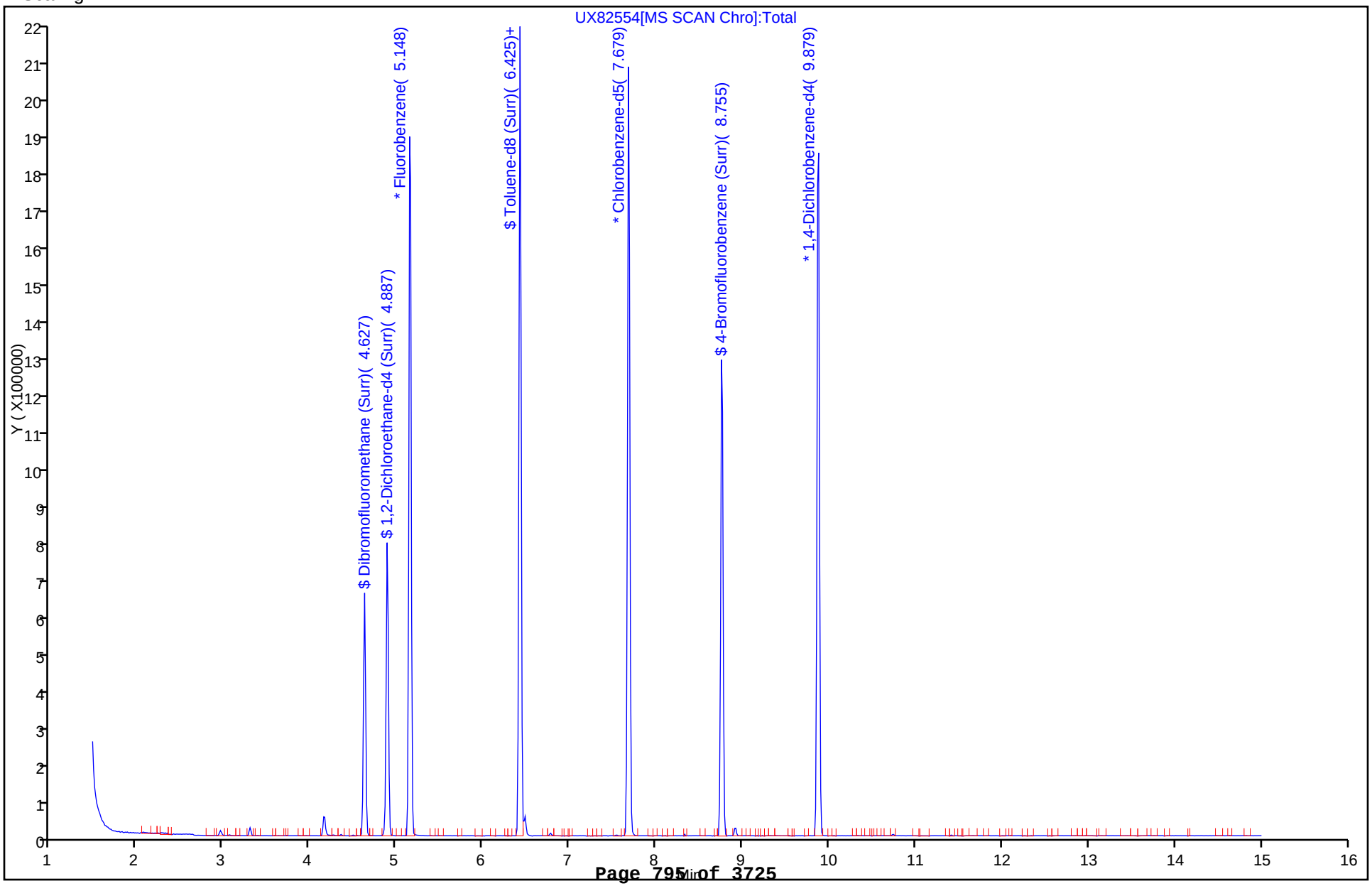
Report Date: 20-Dec-2012 03:33:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82554.D

Injection Date:	17-Dec-2012 09:30:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0072-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	30
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



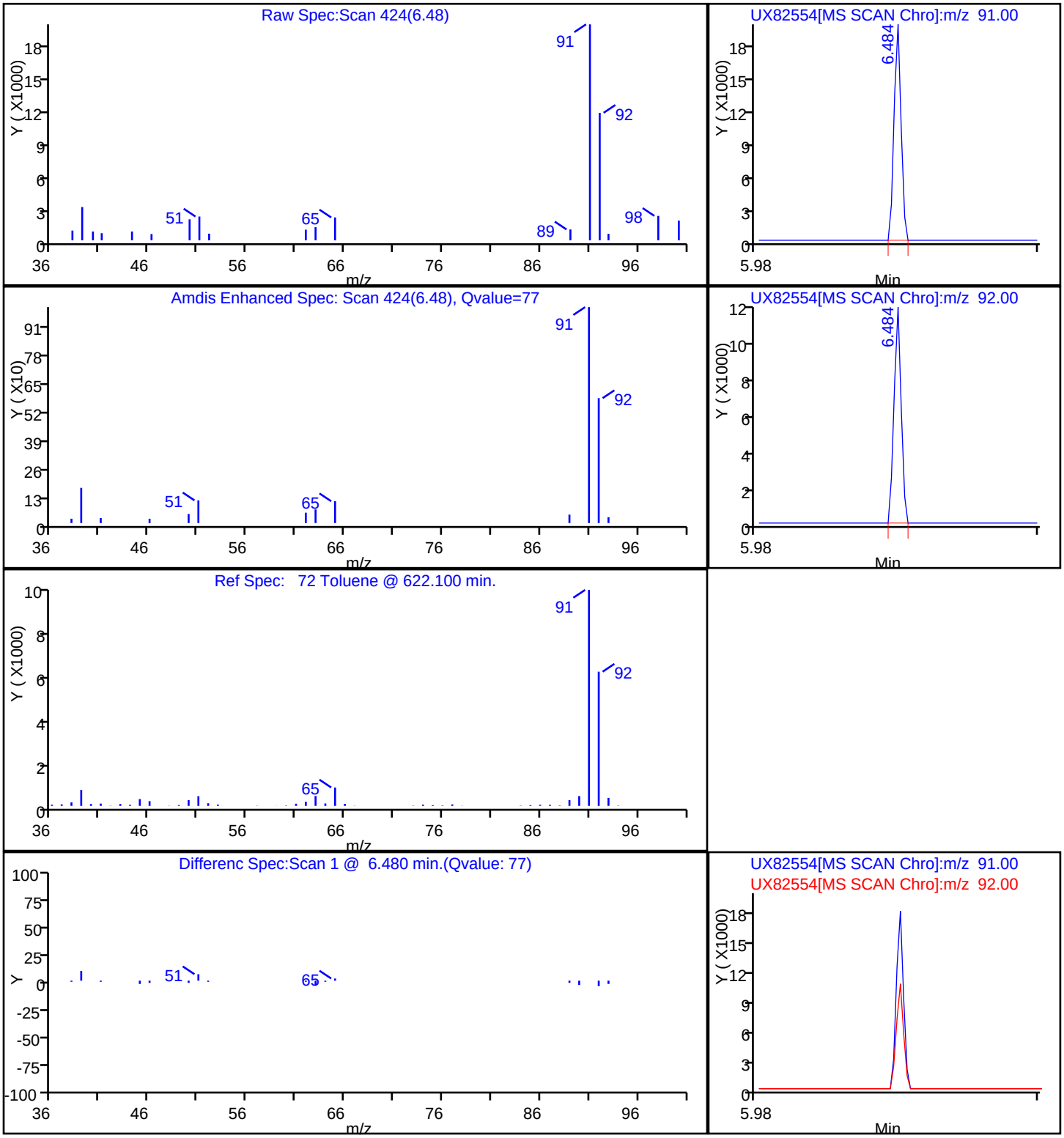
Report Date: 20-Dec-2012 03:33:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82554.D

Injection Date:	17-Dec-2012 09:30:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0072-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	30
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0073-0001-SO Lab Sample ID: 240-18581-16

Matrix: Solid Lab File ID: UX82555.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 15:05

Sample wt/vol: 6.343(g) Date Analyzed: 12/17/2012 09:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.7 Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-43-2	Benzene	0.45	U	4.5	0.45	0.21
100-41-4	Ethylbenzene	0.45	U	4.5	0.45	0.23
1634-04-4	Methyl tert-butyl ether	0.45	U	4.5	0.45	0.39
108-88-3	Toluene	1.0	J	4.5	0.45	0.24
1330-20-7	Xylenes, Total	1.4	U	9.0	1.4	0.61

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		61-130
2037-26-5	Toluene-d8 (Surr)	91		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82555.D		
Lims ID:	240-18581-B-16-A	Client ID:	072SB-0073-0001-SO
Inject. Date:	17-Dec-2012 09:51:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015896-031		
Misc. Info.:	M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279		
Operator:	402279	Instrument ID:	A3UX8
Purge Vol:	5.000 mL	ALS Bottle#:	30
Lims Batch ID:	68905	Lims Sample ID:	31
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m		
Last Update:	20-Dec-2012 03:33:06	Calib Date:	15-Dec-2012 00:08:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK025		
First Level Reviewer: latat		Date:	17-Dec-2012 21:43:34

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.155	5.155	0.0	99	1624564	50.0	
* 2 Chlorobenzene-d5	117	7.686	7.686	0.0	90	1170082	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.874	9.874	0.0	99	595826	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.622	4.623	-0.001	58	374221	45.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.895	4.884	0.011	92	492586	48.6	
$ 7 Toluene-d8 (Surr)	98	6.420	6.421	-0.001	95	1347688	45.3	
$ 131 4-Bromofluorobenzene (Surr)	95	8.762	8.763	-0.001	94	471953	46.0	
34 Methyl tert-butyl ether	73		3.523					
55 Benzene	78		4.943					
72 Toluene	91	6.480	6.480	0.0	79	32124	1.11	
84 Ethylbenzene	106		7.793					
10 m-Xylene & p-Xylene	106		7.900					
85 o-Xylene	106		8.267					
S 114 Xylenes, Total	106		16.530					

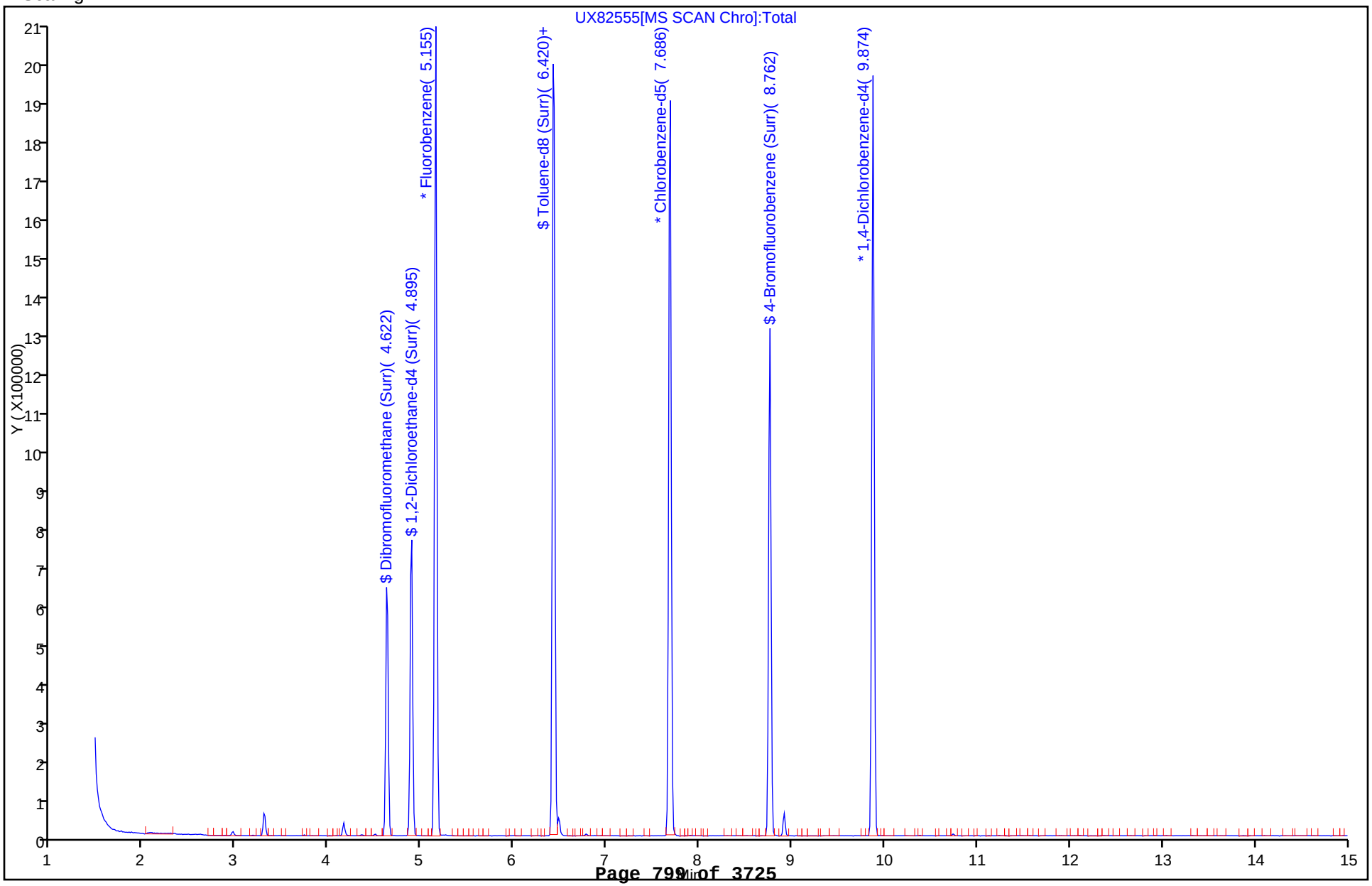
Report Date: 20-Dec-2012 03:33:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82555.D

Injection Date:	17-Dec-2012 09:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0073-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	31
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



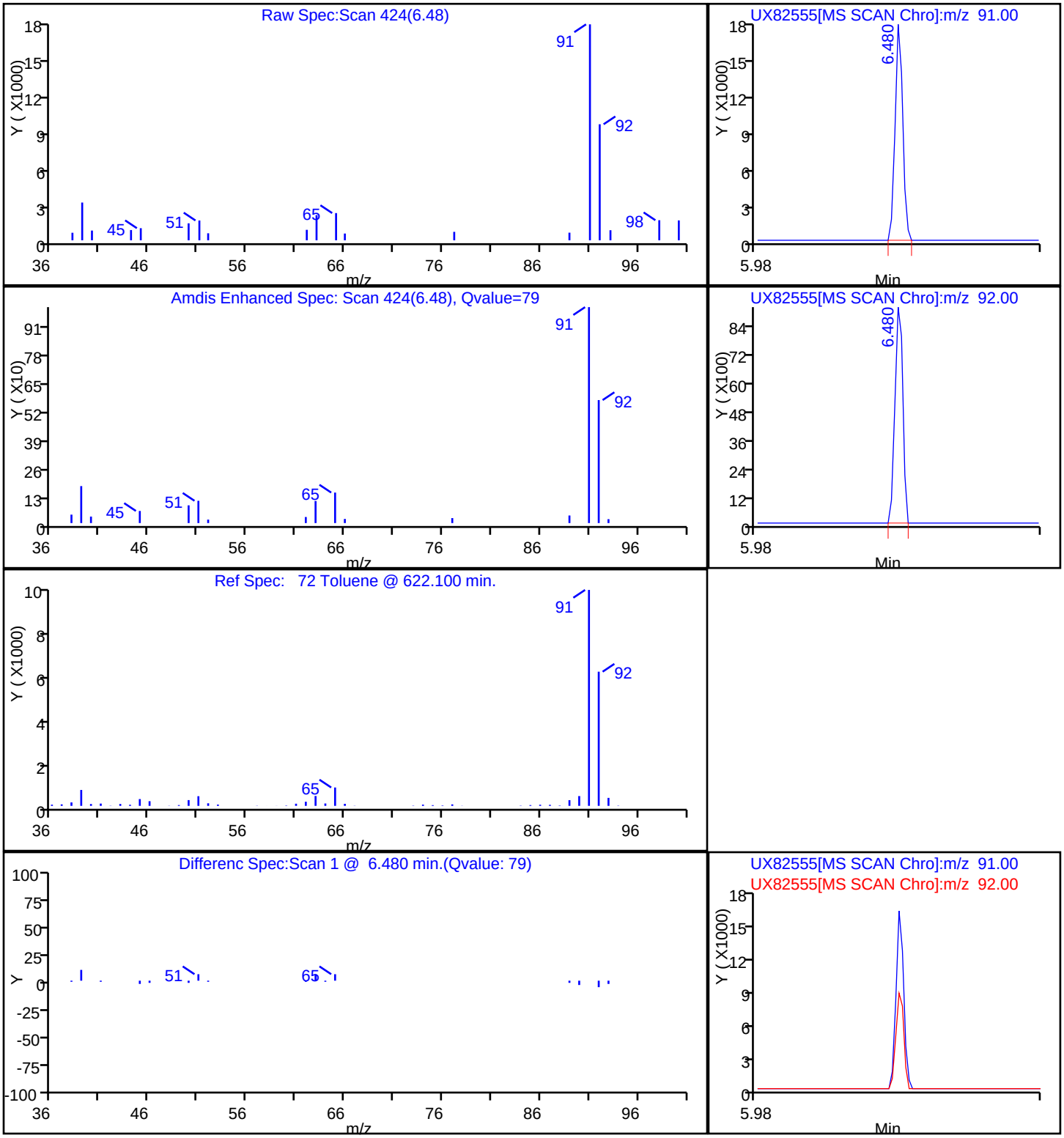
Report Date: 20-Dec-2012 03:33:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82555.D

Injection Date:	17-Dec-2012 09:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	072SB-0073-0001-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	31
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0074-0001-TB | Lab Sample ID: 240-18581-24

Matrix: Water | Lab File ID: UXJ8987.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2012 19:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68395 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	1.1	U	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	0.50	U	1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28
67-66-3	Chloroform	0.25	U	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0074-0001-TB Lab Sample ID: 240-18581-24

Matrix: Water Lab File ID: UXJ8987.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 12/12/2012 19:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68395 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		70-120
460-00-4	4-Bromofluorobenzene (Surr)	104		75-120
1868-53-7	Dibromofluoromethane (Surr)	92		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8987.D
Lims ID: 240-18581-A-24 Client ID: 070SB-0074-0001-TB
Inject. Date: 12-Dec-2012 19:41:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015761-021
Misc. Info.: J21212A,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 22
Lims Batch ID: 68395 Lims Sample ID: 21
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\8260_11.m
Last Update: 13-Dec-2012 08:28:24 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: evansle Date: 13-Dec-2012 08:14:51

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1178459	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	83	706135	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	96	215527	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	93	247860	7.68	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	89	297839	7.96	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	84	982726	8.12	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	88	209532	8.66	
9 Chloromethane	50		1.696					
10 Vinyl chloride	62		1.790					
11 Bromomethane	94		2.074					
12 Chloroethane	64		2.157					
17 Acetone	43	2.772	2.772	0.0	87	15396	0.4370	
19 1,1-Dichloroethene	96		2.784					
23 Carbon disulfide	76		2.973					
26 Methylene Chloride	84		3.163					9
30 Methyl tert-butyl ether	73		3.364					
29 trans-1,2-Dichloroethene	96		3.364					
32 1,1-Dichloroethane	63		3.695					
40 cis-1,2-Dichloroethene	96		4.169					
38 2-Butanone (MEK)	43		4.169					
43 Chlorobromomethane	128		4.358					
45 Chloroform	83		4.417					9
46 1,1,1-Trichloroethane	97		4.595					
49 Carbon tetrachloride	117		4.737					
52 Benzene	78		4.902					9
51 1,2-Dichloroethane	62		4.902					
56 Trichloroethene	130		5.435					
59 1,2-Dichloropropane	63		5.612					
63 Dichlorobromomethane	83		5.837					
66 cis-1,3-Dichloropropene	75		6.228					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
67 4-Methyl-2-pentanone (MIBK)	43		6.358					
68 Toluene	91		6.535					9
69 trans-1,3-Dichloropropene	75		6.713					
71 1,1,2-Trichloroethane	97		6.878					
72 Tetrachloroethene	164		7.032					
74 2-Hexanone	43		7.091					
76 Chlorodibromomethane	129		7.245					
77 Ethylene Dibromide	107		7.352					
79 Chlorobenzene	112		7.813					
81 Ethylbenzene	106		7.908					
82 m-Xylene & p-Xylene	106		8.014					
83 o-Xylene	106		8.393					
84 Styrene	104		8.405					
85 Bromoform	173		8.582					
88 1,1,2,2-Tetrachloroethane	83		9.020					
S 112 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106		16.530					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

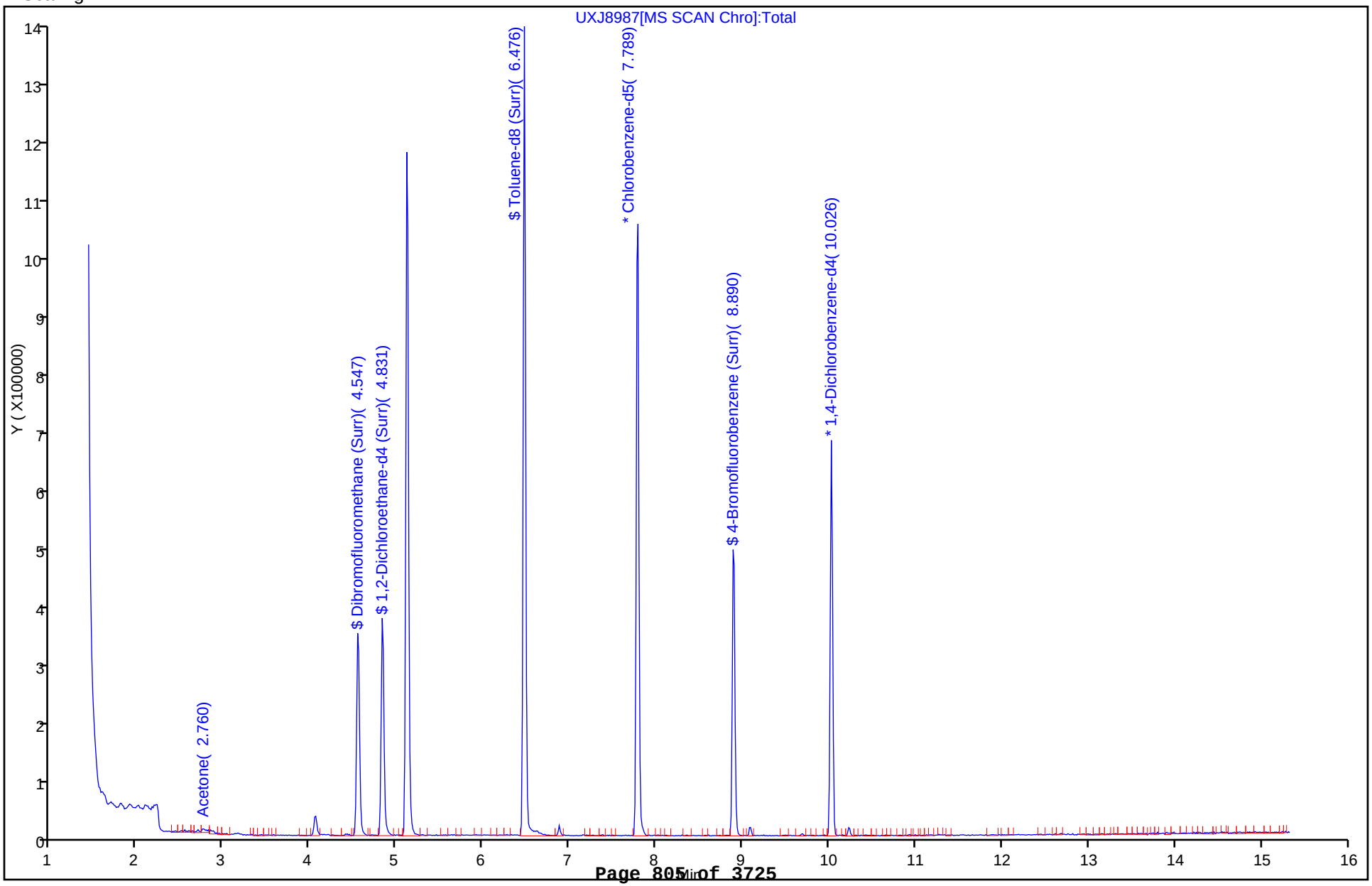
Report Date: 13-Dec-2012 08:28:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8987.D

Injection Date:	12-Dec-2012 19:41:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-0074-0001-TB	Instrument ID:	A3UX11
Lims Batch ID:	68395	Lims Sample ID:	21
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68124

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 11:39 Calibration End Date: 12/11/2012 13:32 Calibration ID: 12758

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-68124/7	UXJ8940.D
Level 2	STD8260 240-68124/6	UXJ8939.D
Level 3	STD8260 240-68124/5	UXJ8938.D
Level 4	STD8260 240-68124/4	UXJ8937.D
Level 5	STD8260 240-68124/3	UXJ8936.D
Level 6	STD8260 240-68124/2	UXJ8935.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2133 0.1825	0.2178	0.1848	0.2130	0.1835	Ave		0.1992			0.1000	8.6		15.0			
Chloromethane	0.1692 0.1817	0.1741	0.1851	0.1741	0.1813	Ave		0.1776			0.1000	3.4		15.0			
Vinyl chloride	0.1784 0.1867	0.1829	0.1813	0.1921	0.1875	Ave		0.1848			0.1000	2.7		15.0			
Bromomethane	0.0824 0.0875	0.0888	0.0896	0.0875	0.0872	Ave		0.0872			0.0500	2.9		15.0			
Chloroethane	0.0979 0.1014	0.1066	0.1059	0.1016	0.1034	Ave		0.1028				3.1		15.0			
Trichlorofluoromethane	0.2053 0.2312	0.2080	0.1924	0.2212	0.2150	Ave		0.2122			0.1000	6.3		15.0			
Acrolein	0.0281 0.0252	0.0305	0.0270	0.0271	0.0277	Ave		0.0276				6.4		15.0			
Acetone	0.1586 0.0494	0.0835	0.0613	0.0591	0.0589	Qua	0.1043	0.0604	0		0.0500				0.9970		0.9900
1,1-Dichloroethene	0.1827 0.1827	0.1785	0.1724	0.1753	0.1723	Ave		0.1773			0.1000	2.7		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1320 0.1244	0.1311	0.1099	0.1310	0.1180	Ave		0.1244			0.0500	7.2		15.0			
Iodomethane	0.1850 0.2198	0.1999	0.2186	0.2129	0.2200	Ave		0.2094				6.8		15.0			
Carbon disulfide	0.4159 0.4393	0.4363	0.4445	0.4435	0.4505	Ave		0.4383			0.1000	2.7		15.0			
Acetonitrile	0.0199 0.0150	0.0199	0.0176	0.0167	0.0170	Ave		0.0177				11.0		15.0			
Methyl acetate	0.1568 0.1403	0.1836	0.1633	0.1534	0.1540	Ave		0.1586			0.1000	9.1		15.0			
Methylene Chloride	0.2499 0.1736	0.2104	0.1993	0.1756	0.1768	Ave		0.1976			0.1000	15.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68124

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 11:39 Calibration End Date: 12/11/2012 13:32 Calibration ID: 12758

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Methyl-2-propanol	0.0133 0.0119	0.0141	0.0139	0.0136	0.0138	Ave		0.0134				5.9		15.0			
Acrylonitrile	0.0757 0.0676	0.0795	0.0763	0.0726	0.0749	Ave		0.0744				5.4		15.0			
Methyl tert-butyl ether	0.7398 0.7553	0.7827	0.7838	0.7485	0.7707	Ave		0.7635			0.1000	2.4		15.0			
trans-1,2-Dichloroethene	0.2682 0.2694	0.2811	0.2740	0.2650	0.2728	Ave		0.2717			0.1000	2.1		15.0			
Hexane	0.0719 0.0609	0.0667	0.0541	0.0705	0.0550	Ave		0.0632				12.0		15.0			
1,1-Dichloroethane	0.4227 0.4463	0.4521	0.4541	0.4368	0.4501	Ave		0.4437			0.1000	2.7		15.0			
Vinyl acetate	0.0466 0.0546	0.0574	0.0559	0.0562	0.0583	Ave		0.0548				7.7		15.0			
2-Butanone (MEK)	0.0846 0.0725	0.0955	0.0880	0.0797	0.0824	Ave		0.0838			0.0500	9.3		15.0			
cis-1,2-Dichloroethene	0.3182 0.3198	0.3125	0.3303	0.3119	0.3180	Ave		0.3185			0.1000	2.1		15.0			
2,2-Dichloropropane	0.1865 0.1664	0.1911	0.1841	0.1804	0.1864	Ave		0.1825				4.7		15.0			
Bromochloromethane	0.1550 0.1610	0.1565	0.1657	0.1569	0.1597	Ave		0.1591				2.5		15.0			
Tetrahydrofuran	0.0555 0.0483	0.0624	0.0599	0.0547	0.0525	Ave		0.0555				9.1		15.0			
Chloroform	0.4908 0.5099	0.4943	0.5187	0.4894	0.5059	Ave		0.5015				2.4		15.0			
1,1,1-Trichloroethane	0.2922 0.2603	0.2861	0.2813	0.2743	0.2813	Ave		0.2792			0.1000	3.9		15.0			
Cyclohexane	0.2954 0.2840	0.3090	0.2687	0.3112	0.2794	Ave		0.2913			0.1000	5.8		15.0			
1,1-Dichloropropene	0.3917 0.3925	0.3937	0.3886	0.3835	0.3850	Ave		0.3892				1.1		15.0			
Carbon tetrachloride	0.2682 0.2584	0.2769	0.2662	0.2709	0.2737	Ave		0.2691			0.1000	2.4		15.0			
1,2-Dichloroethane	0.3926 0.3836	0.3720	0.3912	0.3734	0.3810	Ave		0.3823			0.1000	2.3		15.0			
Benzene	1.1528 1.1761	1.1567	1.2039	1.1213	1.1487	Ave		1.1599			0.5000	2.4		15.0			
Trichloroethene	0.3311 0.3353	0.3301	0.3367	0.3270	0.3307	Ave		0.3318			0.2000	1.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68124

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 11:39 Calibration End Date: 12/11/2012 13:32 Calibration ID: 12758

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.2285 0.2605	0.2532	0.2602	0.2553	0.2592	Ave		0.2528			0.1000	4.9		15.0			
Methylcyclohexane	0.3770 0.3251	0.3761	0.3115	0.3721	0.3155	Ave		0.3462			0.1000	9.2		15.0			
1,4-Dioxane	0.0016 0.0015	0.0018	0.0019	0.0018	0.0018	Ave		0.0017				8.6		15.0			
Dibromomethane	0.1427 0.1527	0.1486	0.1519	0.1536	0.1539	Ave		0.1506				2.8		15.0			
Bromodichloromethane	0.3322 0.3727	0.3342	0.3639	0.3483	0.3657	Ave		0.3528			0.1000	4.9		15.0			
2-Chloroethyl vinyl ether	0.1474 0.1409	0.1431	0.1511	0.1460	0.1517	Ave		0.1467				2.9		15.0			
cis-1,3-Dichloropropene	0.4017 0.4455	0.4130	0.4330	0.4180	0.4400	Ave		0.4252			0.1500	4.0		15.0			
4-Methyl-2-pentanone (MIBK)	0.1777 0.1449	0.1764	0.1713	0.1645	0.1705	Ave		0.1676			0.0500	7.2		15.0			
Toluene	1.9809 2.1456	2.0551	2.0893	1.9889	2.0336	Ave		2.0489			0.4000	3.0		15.0			
trans-1,3-Dichloropropene	0.5617 0.6253	0.5709	0.5938	0.5808	0.6031	Ave		0.5893			0.1000	3.9		15.0			
Ethyl methacrylate	0.4437 0.4799	0.4635	0.4883	0.4828	0.4921	Ave		0.4750				3.8		15.0			
1,1,2-Trichloroethane	0.3428 0.3508	0.3576	0.3601	0.3414	0.3420	Ave		0.3491			0.1000	2.4		15.0			
1,3-Dichloropropane	0.5823 0.6073	0.6065	0.6247	0.5816	0.6015	Ave		0.6006				2.7		15.0			
Tetrachloroethene	0.4141 0.4285	0.4172	0.4262	0.4082	0.4134	Ave		0.4179			0.2000	1.9		15.0			
2-Hexanone	0.1743 0.1397	0.1679	0.1645	0.1589	0.1622	Ave		0.1613			0.0500	7.3		15.0			
Dibromochloromethane	0.3515 0.4127	0.3724	0.3857	0.3820	0.4028	Ave		0.3845				5.7		15.0			
1,2-Dibromoethane	0.3114 0.3270	0.3218	0.3409	0.3161	0.3263	Ave		0.3239				3.2		15.0			
Chlorobenzene	1.0372 1.0720	1.0820	1.0961	1.0414	1.0643	Ave		1.0655			0.3000	2.2		15.0			
1,1,1,2-Tetrachloroethane	0.3700 0.3954	0.3864	0.4025	0.3784	0.3858	Ave		0.3864				3.0		15.0			
Ethylbenzene	0.5746 0.5814	0.5870	0.5992	0.5686	0.5761	Ave		0.5811				1.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68124

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 11:39 Calibration End Date: 12/11/2012 13:32 Calibration ID: 12758

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	0.6476 0.6834	0.6794	0.6953	0.6666	0.6808	Ave		0.6755				2.4		15.0			
o-Xylene	0.5815 0.5956	0.5956	0.6212	0.5857	0.5938	Ave		0.5956				2.3		15.0			
Styrene	0.8839 0.9866	0.9235	0.9993	0.9379	0.9778	Ave		0.9515			0.3000	4.6		15.0			
Bromoform	0.1418 0.1812	0.1629	0.1700	0.1792	0.1773	Ave		0.1687			0.1000	8.8		15.0			
Isopropylbenzene	1.3179 1.3329	1.3859	1.3686	1.3011	1.3289	Ave		1.3392			0.1000	2.4		15.0			
1,1,2,2-Tetrachloroethane	0.6150 0.5486	0.6752	0.6064	0.6149	0.5928	Ave		0.6088			0.3000	6.7		15.0			
Bromobenzene	0.9158 0.8826	0.9320	0.9506	0.9118	0.9010	Ave		0.9156				2.6		15.0			
1,2,3-Trichloropropane	0.2372 0.1991	0.2239	0.2155	0.2229	0.2134	Ave		0.2187				5.8		15.0			
trans-1,4-Dichloro-2-butene	0.0976 0.1030	0.1007	0.1197	0.1106	0.1113	Ave		0.1072				7.7		15.0			
N-Propylbenzene	0.7823 0.7953	0.7707	0.8322	0.8322	0.8204	Ave		0.8055				3.3		15.0			
2-Chlorotoluene	0.7045 0.7006	0.7535	0.7581	0.7183	0.7164	Ave		0.7252				3.4		15.0			
1,3,5-Trimethylbenzene	2.2260 2.3178	2.3054	2.3077	2.3450	2.3146	Ave		2.3028				1.7		15.0			
4-Chlorotoluene	0.6931 0.7581	0.7467	0.7815	0.7605	0.7612	Ave		0.7502				4.0		15.0			
tert-Butylbenzene	1.8457 1.9993	1.9886	2.0192	1.9704	2.0019	Ave		1.9709				3.2		15.0			
1,2,4-Trimethylbenzene	2.3957 2.4667	2.3403	2.3920	2.3622	2.3882	Ave		2.3908				1.8		15.0			
sec-Butylbenzene	2.5691 2.7109	2.6037	2.5810	2.5696	2.5957	Ave		2.6050				2.1		15.0			
1,3-Dichlorobenzene	1.4847 1.5367	1.5719	1.5575	1.5210	1.5286	Ave		1.5334			0.6000	2.0		15.0			
4-Isopropyltoluene	2.1544 2.4326	2.3075	2.3082	2.2767	2.3246	Ave		2.3007				3.9		15.0			
1,4-Dichlorobenzene	1.6551 1.6051	1.5958	1.6415	1.6354	1.5835	Ave		1.6194			0.5000	1.8		15.0			
n-Butylbenzene	1.9622 2.0493	1.8591	1.9558	1.8796	1.9336	Ave		1.9399				3.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68124

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 11:39 Calibration End Date: 12/11/2012 13:32 Calibration ID: 12758

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.5717 1.4391	1.5278	1.5608	1.5191	1.4878	Ave		1.5177			0.4000	3.2		15.0			
1,2-Dibromo-3-Chloropropane	0.1169 0.0996	0.1319	0.1328	0.1359	0.1257	Ave		0.1238			0.0500	11.0		15.0			
1,3,5-Trichlorobenzene	1.0876 0.8922	1.0734	1.0946	1.0272	0.9471	Ave		1.0204				8.2		15.0			
1,2,4-Trichlorobenzene	0.9017 0.5927	0.9017	0.9031	0.8515	0.6674	Qua	0.4747	0.7741	-0.005		0.2000				0.9970		0.9900
Hexachlorobutadiene	0.5712 0.3705	0.5411	0.5322	0.4840	0.4115	Qua	0.2616	0.4568	-0.002						0.9990		0.9900
Naphthalene	2.0111 0.8774	2.0247	1.9617	1.7915	1.3255	Qua	0.8007	1.8250	-0.024						0.9960		0.9900
1,2,3-Trichlorobenzene	0.7901 0.3247	0.7974	0.7366	0.6513	0.4284	Ave		0.6214				32.0	*	15.0			
Dibromofluoromethane (Surr)	0.2826 0.2712	0.2634	0.2816	0.2646	0.2789	Ave		0.2737				3.1		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3278 0.3221	0.3064	0.3200	0.3163	0.3114	Ave		0.3174				2.4		15.0			
Toluene-d8 (Surr)	1.7223 1.7831	1.6356	1.7605	1.6689	1.7083	Ave		1.7131				3.2		15.0			
4-Bromofluorobenzene (Surr)	0.3588 0.3456	0.3313	0.3511	0.3294	0.3387	Ave		0.3425				3.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68124

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 11:39 Calibration End Date: 12/11/2012 13:32 Calibration ID: 12758

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-68124/7	UXJ8940.D
Level 2	STD8260 240-68124/6	UXJ8939.D
Level 3	STD8260 240-68124/5	UXJ8938.D
Level 4	STD8260 240-68124/4	UXJ8937.D
Level 5	STD8260 240-68124/3	UXJ8936.D
Level 6	STD8260 240-68124/2	UXJ8935.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	27698 944750	55293	119100	275284	469788	1.00 40.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	21972 940794	44195	119311	224951	464018	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	23163 966544	46438	116899	248166	480022	1.00 40.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	10705 453177	22552	57772	113073	223167	1.00 40.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	12717 525097	27070	68269	131273	264536	1.00 40.0	2.00	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	26664 1196869	52804	124005	285766	550388	1.00 40.0	2.00	5.00	10.0	20.0
Acrolein	FB	Ave	36531 1303433	77482	173741	350088	709339	10.0 400	20.0	50.0	100	200
Acetone	FB	Qua	41201 511553	42418	78994	152823	301524	2.00 80.0	4.00	10.0	20.0	40.0
1,1-Dichloroethene	FB	Ave	23725 945933	45323	111128	226500	440963	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	17145 644139	33283	70861	169283	302030	1.00 40.0	2.00	5.00	10.0	20.0
Iodomethane	FB	Ave	24025 1137945	50747	140909	275050	563031	1.00 40.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	54003 2274623	110755	286516	573023	1153129	1.00 40.0	2.00	5.00	10.0	20.0
Acetonitrile	FB	Ave	25814 777912	50458	113479	215338	434169	10.0 400	20.0	50.0	100	200
Methyl acetate	FB	Ave	40723 1452703	93237	210523	396450	788333	2.00 80.0	4.00	10.0	20.0	40.0
Methylene Chloride	FB	Ave	32456 898796	53423	128446	226873	452550	1.00 40.0	2.00	5.00	10.0	20.0
2-Methyl-2-propanol	FB	Ave	34580 1234882	71523	179607	352647	703907	20.0 800	40.0	100	200	400

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68124

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 11:39 Calibration End Date: 12/11/2012 13:32 Calibration ID: 12758

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acrylonitrile	FB	Ave	19666 699827	40373	98407	187655	383350	2.00 80.0	4.00	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	96064 3910966	198704	505214	967207	1972793	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	34828 1394674	71365	176614	342399	698321	1.00 40.0	2.00	5.00	10.0	20.0
Hexane	FB	Ave	9331 315452	16938	34844	91069	140746	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	54891 2310850	114784	292701	564434	1152155	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	6056 282483	14572	36050	72593	149194	1.00 40.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	21979 750843	48511	113395	205935	421858	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	41322 1655872	79345	212890	403027	814051	1.00 40.0	2.00	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	24217 861334	48521	118656	233138	477104	1.00 40.0	2.00	5.00	10.0	20.0
Bromochloromethane	FB	Ave	20124 833781	39734	106821	202736	408822	1.00 40.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	7213 250319	15833	38592	70642	134256	1.00 40.0	2.00	5.00	10.0	20.0
Chloroform	FB	Ave	63733 2639917	125499	334376	632323	1294808	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	37937 1347912	72639	181297	354466	720005	1.00 40.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	38358 1470666	78445	173224	402075	715079	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	50867 2032504	99937	250513	495508	985400	1.00 40.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	34833 1337852	70301	171623	350047	700482	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	50976 1986199	94443	252174	482472	975113	1.00 40.0	2.00	5.00	10.0	20.0
Benzene	FB	Ave	149696 6089692	293657	776029	1448865	2940260	1.00 40.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	43001 1735900	83806	217016	422508	846567	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	29669 1348574	64280	167754	329897	663393	1.00 40.0	2.00	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	48961 1683268	95487	200770	480813	807499	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68124

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 11:39 Calibration End Date: 12/11/2012 13:32 Calibration ID: 12758

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,4-Dioxane	FB	Ave	10610 386113	22497	61475	118640	226658	50.0 2000	100	250	500	1000
Dibromomethane	FB	Ave	18534 790883	37727	97902	198449	393850	1.00 40.0	2.00	5.00	10.0	20.0
Bromodichloromethane	FB	Ave	43135 1929950	84844	234594	450042	935992	1.00 40.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	38290 1459329	72636	194743	377341	776397	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	52168 2306714	104846	279084	540126	1126169	1.00 40.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	46150 1500897	89567	220855	425060	872841	2.00 80.0	4.00	10.0	20.0	40.0
Toluene	CBZ	Ave	154407 6558162	319781	823350	1583771	3231527	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Ave	43781 1911198	88836	233997	462481	958399	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Ave	34585 1466774	72125	192414	384475	782008	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	26718 1072158	55641	141913	271848	543510	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	45391 1856356	94375	246181	463108	955737	1.00 40.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	32280 1309832	64917	167948	325032	656985	1.00 40.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Ave	27175 854189	52251	129642	253050	515526	2.00 80.0	4.00	10.0	20.0	40.0
Dibromochloromethane	CBZ	Ave	27402 1261377	57953	151992	304221	640104	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	24273 999454	50072	134361	251740	518512	1.00 40.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	80847 3276727	168372	431968	829287	1691172	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	28838 1208433	60120	158613	301293	613016	1.00 40.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	44787 1777135	91333	236138	452766	915505	1.00 40.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	100955 4177556	211432	548042	1061638	2163754	2.00 80.0	4.00	10.0	20.0	40.0
o-Xylene	CBZ	Ave	45325 1820523	92684	244817	466406	943633	1.00 40.0	2.00	5.00	10.0	20.0
Styrene	CBZ	Ave	68898 3015729	143709	393794	746836	1553692	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68124

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 11:39 Calibration End Date: 12/11/2012 13:32 Calibration ID: 12758

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	11056 553809	25353	67011	142665	281675	1.00 40.0	2.00	5.00	10.0	20.0
Isopropylbenzene	CBZ	Ave	102729 4074021	215658	539337	1036036	2111751	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	17799 671467	38866	89682	176633	352342	1.00 40.0	2.00	5.00	10.0	20.0
Bromobenzene	DCB	Ave	26504 1080245	53648	140570	261893	535561	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	6865 243704	12889	31873	64028	126823	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	2825 126064	5794	17706	31775	66154	1.00 40.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Ave	22641 973364	44367	123068	239039	487660	1.00 40.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	20388 857500	43375	112115	206312	425826	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	64423 2836779	132710	341272	673565	1375760	1.00 40.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	20060 927797	42983	115574	218436	452462	1.00 40.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Ave	53418 2446976	114475	298598	565973	1189919	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	69335 3018937	134721	353734	678496	1419531	1.00 40.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	74354 3317837	149880	381688	738064	1542883	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	42971 1880756	90488	230322	436886	908611	1.00 40.0	2.00	5.00	10.0	20.0
4-Isopropyltoluene	DCB	Ave	62352 2977212	132832	341342	653951	1381706	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	47900 1964446	91860	242748	469754	941209	1.00 40.0	2.00	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	56788 2508177	107017	289231	539873	1149340	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	45487 1761301	87950	230822	436342	884344	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	3382 121881	7593	19641	39049	74712	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	31477 1091999	61788	161879	295041	562927	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Qua	26096 725378	51907	133555	244577	396714	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68124

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 11:39 Calibration End Date: 12/11/2012 13:32 Calibration ID: 12758

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobutadiene	DCB	Qua	16532 453501	31150	78708	139013	244616	1.00 40.0	2.00	5.00	10.0	20.0
Naphthalene	DCB	Qua	58205 1073879	116549	290095	514577	787882	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	22868 397433	45902	108936	187073	254608	1.00 40.0	2.00	5.00	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	36700 1404318	66866	181492	341905	713865	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	42571 1668024	77795	206276	408681	797153	1.00 40.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	134248 5450058	254512	693793	1328915	2714574	1.00 40.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	27969 1056301	51550	138370	262294	538180	1.00 40.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8935.D
Lims ID: STD8260 L6 Client ID:
Inject. Date: 11-Dec-2012 11:39:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015710-002
Misc. Info.: J21211A-IC,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 68124 Lims Sample ID: 2
Sublist: chrom-8260_11*sub11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\8260_11.m
Last Update: 12-Dec-2012 09:05:48 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: evansle Date: 11-Dec-2012 12:10:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1294449	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	84	764135	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	72	305974	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	92	1404318	39.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	87	1668024	40.6	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	82	5450058	41.6	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	92	1056301	40.4	
8 Dichlorodifluoromethane	85	1.553	1.554	-0.001	86	944750	36.6	
9 Chloromethane	50	1.695	1.695	0.0	89	940794	40.9	
10 Vinyl chloride	62	1.790	1.790	0.0	83	966544	40.4	
11 Bromomethane	94	2.062	2.074	-0.012	91	453177	40.2	
12 Chloroethane	64	2.157	2.157	0.0	95	525097	39.5	
14 Trichlorofluoromethane	101	2.358	2.358	0.0	86	1196869	43.6	
16 Acrolein	56	2.654	2.654	0.0	94	1303433	364.9	
17 Acetone	43	2.772	2.772	0.0	99	511553	79.6	
19 1,1-Dichloroethene	96	2.784	2.784	0.0	90	945933	41.2	
18 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.784	2.784	0.0	73	644139	40.0	
21 Iodomethane	142	2.914	2.914	0.0	98	1137945	42.0	
23 Carbon disulfide	76	2.973	2.973	0.0	99	2274623	40.1	
24 Acetonitrile	41	2.997	2.997	0.0	95	777912	340.1	
25 Methyl acetate	43	3.044	3.044	0.0	90	1452703	70.8	
26 Methylene Chloride	84	3.163	3.163	0.0	75	898796	35.1	
27 2-Methyl-2-propanol	59	3.210	3.210	0.0	98	1234882	709.7	
28 Acrylonitrile	53	3.317	3.317	0.0	97	699827	72.6	
30 Methyl tert-butyl ether	73	3.364	3.364	0.0	87	3910966	39.6	
29 trans-1,2-Dichloroethene	96	3.364	3.364	0.0	56	1394674	39.6	
31 Hexane	86	3.589	3.589	0.0	92	315452	38.6	
32 1,1-Dichloroethane	63	3.695	3.695	0.0	85	2310850	40.2	
33 Vinyl acetate	86	3.731	3.731	0.0	98	282483	39.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
40 cis-1,2-Dichloroethene	96	4.169	4.169	-0.001	68	1655872	40.2	
38 2-Butanone (MEK)	43	4.169	4.169	-0.001	48	750843	69.2	
39 2,2-Dichloropropane	77	4.169	4.180	-0.012	65	861334	36.5	
43 Chlorobromomethane	128	4.358	4.370	-0.012	89	833781	40.5	
44 Tetrahydrofuran	42	4.405	4.405	0.0	80	250319	34.8	
45 Chloroform	83	4.417	4.417	0.0	71	2639917	40.7	
46 1,1,1-Trichloroethane	97	4.594	4.595	-0.001	87	1347912	37.3	
47 Cyclohexane	56	4.654	4.654	0.0	86	1470666	39.0	
48 1,1-Dichloropropene	75	4.725	4.725	0.0	91	2032504	40.3	
49 Carbon tetrachloride	117	4.736	4.737	-0.001	71	1337852	38.4	
51 1,2-Dichloroethane	62	4.902	4.902	0.0	47	1986199	40.1	
52 Benzene	78	4.902	4.902	0.0	96	6089692	40.6	
56 Trichloroethene	130	5.435	5.435	0.0	90	1735900	40.4	
58 Methylcyclohexane	83	5.612	5.612	0.0	86	1683268	37.6	
59 1,2-Dichloropropane	63	5.612	5.612	0.0	88	1348574	41.2	
61 Dibromomethane	93	5.719	5.719	0.0	83	790883	40.6	
62 1,4-Dioxane	88	5.719	5.719	0.0	86	386113	1718.8	
63 Dichlorobromomethane	83	5.837	5.837	0.0	91	1929950	42.3	
65 2-Chloroethyl vinyl ether	63	6.085	6.086	-0.001	93	1459329	76.9	
66 cis-1,3-Dichloropropene	75	6.227	6.228	-0.001	90	2306714	41.9	
67 4-Methyl-2-pentanone (MIBK)	43	6.358	6.358	0.0	95	1500897	69.2	
68 Toluene	91	6.535	6.535	0.0	91	6558162	41.9	
69 trans-1,3-Dichloropropene	75	6.713	6.713	0.0	91	1911198	42.4	
70 Ethyl methacrylate	69	6.784	6.784	0.0	88	1466774	40.4	
71 1,1,2-Trichloroethane	97	6.878	6.878	0.0	85	1072158	40.2	
72 Tetrachloroethene	164	7.032	7.032	0.0	86	1309832	41.0	
73 1,3-Dichloropropane	76	7.032	7.032	0.0	90	1856356	40.4	
74 2-Hexanone	43	7.091	7.091	0.0	94	854189	69.3	
76 Chlorodibromomethane	129	7.245	7.245	0.0	85	1261377	42.9	
77 Ethylene Dibromide	107	7.352	7.352	0.0	99	999454	40.4	
79 Chlorobenzene	112	7.813	7.813	0.0	95	3276727	40.2	
80 1,1,1,2-Tetrachloroethane	131	7.884	7.884	0.0	82	1208433	40.9	
81 Ethylbenzene	106	7.908	7.908	0.0	98	1777135	40.0	
82 m-Xylene & p-Xylene	106	8.026	8.026	0.0	97	4177556	80.9	
83 o-Xylene	106	8.393	8.393	0.0	92	1820523	40.0	
84 Styrene	104	8.405	8.405	0.0	91	3015729	41.5	
85 Bromoform	173	8.582	8.582	0.0	96	553809	43.0	
86 Isopropylbenzene	105	8.748	8.748	0.0	95	4074021	39.8	
88 1,1,2,2-Tetrachloroethane	83	9.020	9.020	0.0	84	671467	36.0	
89 Bromobenzene	156	9.044	9.044	0.0	91	1080245	38.6	
90 1,2,3-Trichloropropane	110	9.067	9.067	0.0	72	243704	36.4	
91 trans-1,4-Dichloro-2-butene	53	9.067	9.067	0.0	61	126064	38.5	
92 N-Propylbenzene	120	9.150	9.150	0.0	97	973364	39.5	
93 2-Chlorotoluene	126	9.233	9.233	0.0	97	857500	38.6	
94 1,3,5-Trimethylbenzene	105	9.316	9.316	0.0	91	2836779	40.3	
95 4-Chlorotoluene	126	9.339	9.340	-0.001	98	927797	40.4	
96 tert-Butylbenzene	119	9.635	9.635	0.0	79	2446976	40.6	
97 1,2,4-Trimethylbenzene	105	9.683	9.683	0.0	90	3018937	41.3	
98 sec-Butylbenzene	105	9.860	9.860	0.0	92	3317837	41.6	
99 1,3-Dichlorobenzene	146	9.967	9.967	0.0	98	1880756	40.1	
100 4-Isopropyltoluene	119	10.002	10.002	0.0	92	2977212	42.3	
101 1,4-Dichlorobenzene	146	10.049	10.050	-0.001	94	1964446	39.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
103 n-Butylbenzene	91	10.404	10.405	-0.001	94	2508177	42.3	
104 1,2-Dichlorobenzene	146	10.428	10.416	0.012	99	1761301	37.9	
105 1,2-Dibromo-3-Chloropropane	157	11.185	11.185	0.0	83	121881	32.2	
106 1,3,5-Trichlorobenzene	180	11.410	11.410	0.0	96	1091999	35.0	
107 1,2,4-Trichlorobenzene	180	12.026	12.026	0.0	92	725378	40.3	
108 Hexachlorobutadiene	225	12.203	12.203	0.0	89	453501	40.1	
109 Naphthalene	128	12.274	12.274	0.0	97	1073879	NaN	
110 1,2,3-Trichlorobenzene	180	12.523	12.523	0.0	90	397433	20.9	
S 138 Trihalomethanes, Total	1				0		168.8	
S 112 1,2-Dichloroethene, Total	96				0		79.8	
S 113 1,3-Dichloropropene, Total	75				0		84.4	
S 114 Xylenes, Total	106				0		120.9	

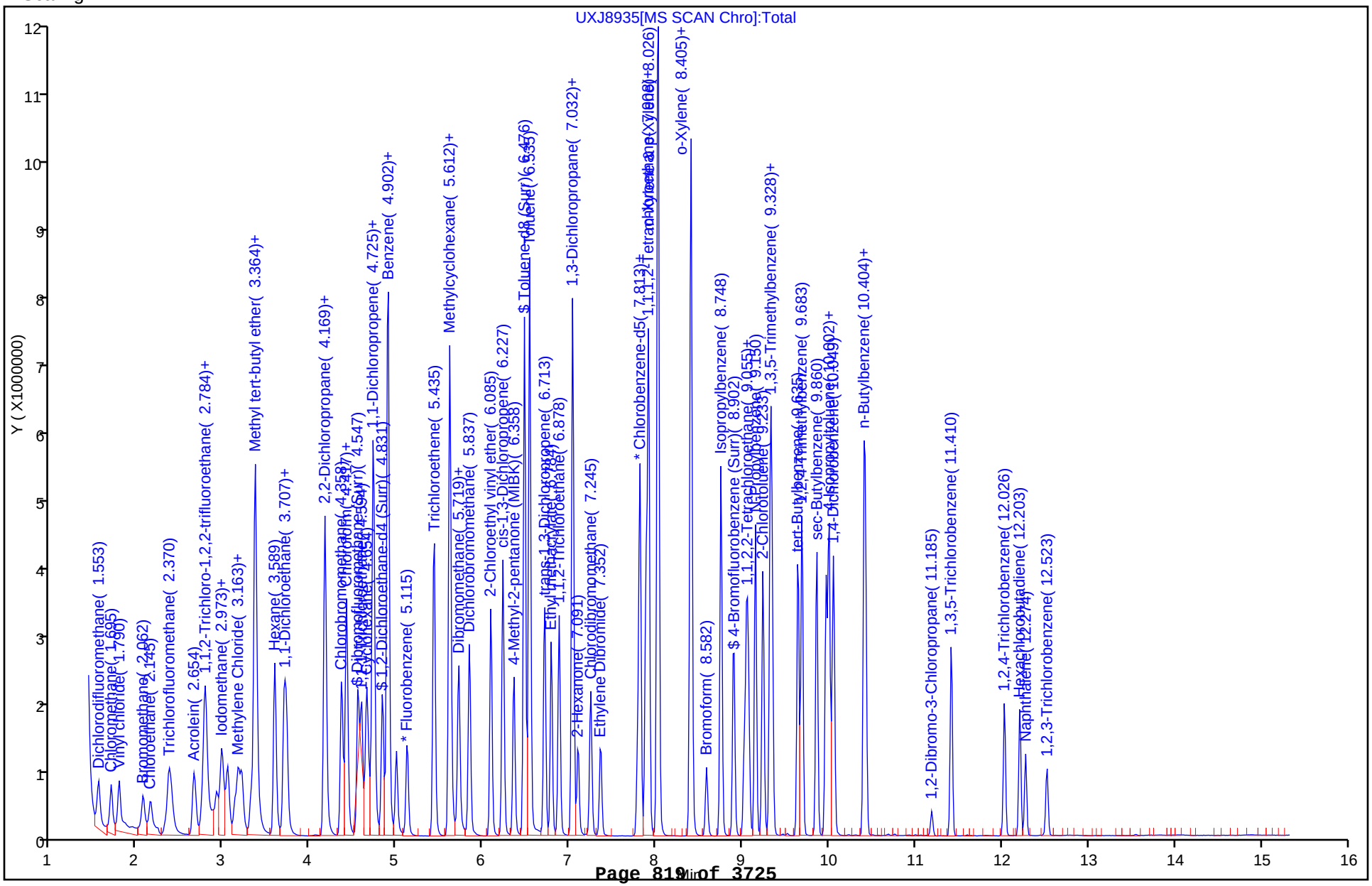
Report Date: 12-Dec-2012 09:05:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8935.D

Injection Date:	11-Dec-2012 11:39:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68124	Lims Sample ID:	2
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8936.D
Lims ID: STD8260 L5 Client ID:
Inject. Date: 11-Dec-2012 12:01:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015710-003
Misc. Info.: J21211A-IC,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 68124 Lims Sample ID: 3
Sublist: chrom-8260_11*sub11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\8260_11.m
Last Update: 12-Dec-2012 09:05:49 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: evansle Date: 11-Dec-2012 12:26:54

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1279805	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	83	794523	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	76	297195	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	91	713865	20.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	87	797153	19.6	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	84	2714574	19.9	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	92	538180	19.8	
8 Dichlorodifluoromethane	85	1.554	1.554	0.0	87	469788	18.4	
9 Chloromethane	50	1.695	1.695	0.0	89	464018	20.4	
10 Vinyl chloride	62	1.790	1.790	0.0	82	480022	20.3	
11 Bromomethane	94	2.074	2.074	0.0	90	223167	20.0	
12 Chloroethane	64	2.157	2.157	0.0	95	264536	20.1	
14 Trichlorofluoromethane	101	2.358	2.358	0.0	85	550388	20.3	
16 Acrolein	56	2.654	2.654	0.0	93	709339	200.8	
17 Acetone	43	2.772	2.772	0.0	96	301524	41.6	
19 1,1-Dichloroethene	96	2.784	2.784	0.0	90	440963	19.4	
18 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.784	2.784	0.0	50	302030	19.0	
21 Iodomethane	142	2.914	2.914	0.0	97	563031	21.0	
23 Carbon disulfide	76	2.973	2.973	0.0	99	1153129	20.6	
24 Acetonitrile	41	2.997	2.997	0.0	100	434169	192.0	
25 Methyl acetate	43	3.044	3.044	0.0	88	788333	38.8	
26 Methylene Chloride	84	3.163	3.163	0.0	73	452550	17.9	
27 2-Methyl-2-propanol	59	3.210	3.210	0.0	98	703907	409.2	
28 Acrylonitrile	53	3.317	3.317	0.0	98	383350	40.2	
30 Methyl tert-butyl ether	73	3.364	3.364	0.0	88	1972793	20.2	
29 trans-1,2-Dichloroethene	96	3.364	3.364	0.0	58	698321	20.1	
31 Hexane	86	3.589	3.589	0.0	93	140746	17.4	
32 1,1-Dichloroethane	63	3.695	3.695	0.0	85	1152155	20.3	
33 Vinyl acetate	86	3.731	3.731	0.0	98	149194	21.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
40 cis-1,2-Dichloroethene	96	4.169	4.169	0.0	69	814051	20.0	
38 2-Butanone (MEK)	43	4.169	4.169	0.0	79	421858	39.3	
39 2,2-Dichloropropane	77	4.180	4.180	0.0	75	477104	20.4	
43 Chlorobromomethane	128	4.370	4.370	0.0	82	408822	20.1	
44 Tetrahydrofuran	42	4.405	4.405	0.0	82	134256	18.9	
45 Chloroform	83	4.417	4.417	0.0	81	1294808	20.2	
46 1,1,1-Trichloroethane	97	4.595	4.595	0.0	87	720005	20.1	
47 Cyclohexane	56	4.654	4.654	0.0	87	715079	19.2	
48 1,1-Dichloropropene	75	4.725	4.725	0.0	91	985400	19.8	
49 Carbon tetrachloride	117	4.737	4.737	0.0	71	700482	20.3	
51 1,2-Dichloroethane	62	4.902	4.902	0.0	48	975113	19.9	
52 Benzene	78	4.902	4.902	0.0	96	2940260	19.8	
56 Trichloroethene	130	5.435	5.435	0.0	90	846567	19.9	
58 Methylcyclohexane	83	5.612	5.612	0.0	88	807499	18.2	
59 1,2-Dichloropropane	63	5.612	5.612	0.0	86	663393	20.5	
61 Dibromomethane	93	5.719	5.719	0.0	82	393850	20.4	
62 1,4-Dioxane	88	5.719	5.719	0.0	86	226658	1020.5	
63 Dichlorobromomethane	83	5.837	5.837	0.0	89	935992	20.7	
65 2-Chloroethyl vinyl ether	63	6.086	6.086	0.0	94	776397	41.4	
66 cis-1,3-Dichloropropene	75	6.228	6.228	0.0	88	1126169	20.7	
67 4-Methyl-2-pentanone (MIBK)	43	6.358	6.358	0.0	94	872841	40.7	
68 Toluene	91	6.535	6.535	0.0	91	3231527	19.9	
69 trans-1,3-Dichloropropene	75	6.713	6.713	0.0	90	958399	20.5	
70 Ethyl methacrylate	69	6.784	6.784	0.0	88	782008	20.7	
71 1,1,2-Trichloroethane	97	6.878	6.878	0.0	86	543510	19.6	
72 Tetrachloroethene	164	7.032	7.032	0.0	83	656985	19.8	
73 1,3-Dichloropropane	76	7.032	7.032	0.0	90	955737	20.0	
74 2-Hexanone	43	7.091	7.091	0.0	94	515526	40.2	
76 Chlorodibromomethane	129	7.245	7.245	0.0	85	640104	21.0	
77 Ethylene Dibromide	107	7.352	7.352	0.0	99	518512	20.1	
79 Chlorobenzene	112	7.813	7.813	0.0	96	1691172	20.0	
80 1,1,1,2-Tetrachloroethane	131	7.884	7.884	0.0	86	613016	20.0	
81 Ethylbenzene	106	7.908	7.908	0.0	98	915505	19.8	
82 m-Xylene & p-Xylene	106	8.026	8.026	0.0	96	2163754	40.3	
83 o-Xylene	106	8.393	8.393	0.0	91	943633	19.9	
84 Styrene	104	8.405	8.405	0.0	91	1553692	20.6	
85 Bromoform	173	8.582	8.582	0.0	93	281675	21.0	
86 Isopropylbenzene	105	8.748	8.748	0.0	95	2111751	19.8	
88 1,1,2,2-Tetrachloroethane	83	9.020	9.020	0.0	96	352342	19.5	
89 Bromobenzene	156	9.044	9.044	0.0	84	535561	19.7	
90 1,2,3-Trichloropropane	110	9.067	9.067	0.0	73	126823	19.5	
91 trans-1,4-Dichloro-2-butene	53	9.067	9.067	0.0	67	66154	20.8	
92 N-Propylbenzene	120	9.150	9.150	0.0	97	487660	20.4	
93 2-Chlorotoluene	126	9.233	9.233	0.0	97	425826	19.8	
94 1,3,5-Trimethylbenzene	105	9.316	9.316	0.0	92	1375760	20.1	
95 4-Chlorotoluene	126	9.340	9.340	0.0	97	452462	20.3	
96 tert-Butylbenzene	119	9.635	9.635	0.0	73	1189919	20.3	
97 1,2,4-Trimethylbenzene	105	9.683	9.683	0.0	66	1419531	20.0	
98 sec-Butylbenzene	105	9.860	9.860	0.0	93	1542883	19.9	
99 1,3-Dichlorobenzene	146	9.967	9.967	0.0	96	908611	19.9	
100 4-Isopropyltoluene	119	10.002	10.002	0.0	88	1381706	20.2	
101 1,4-Dichlorobenzene	146	10.050	10.050	0.0	94	941209	19.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
103 n-Butylbenzene	91	10.405	10.405	0.0	96	1149340	19.9	
104 1,2-Dichlorobenzene	146	10.416	10.416	0.0	97	884344	19.6	
105 1,2-Dibromo-3-Chloropropane	157	11.185	11.185	0.0	80	74712	20.3	
106 1,3,5-Trichlorobenzene	180	11.410	11.410	0.0	95	562927	18.6	
107 1,2,4-Trichlorobenzene	180	12.026	12.026	0.0	89	396714	18.9	
108 Hexachlorobutadiene	225	12.203	12.203	0.0	88	244616	19.4	
109 Naphthalene	128	12.274	12.274	0.0	97	787882	18.8	
110 1,2,3-Trichlorobenzene	180	12.523	12.523	0.0	91	254608	13.8	
S 138 Trihalomethanes, Total	1				0		82.9	
S 112 1,2-Dichloroethene, Total	96				0		40.1	
S 113 1,3-Dichloropropene, Total	75				0		41.2	
S 114 Xylenes, Total	106				0		60.3	

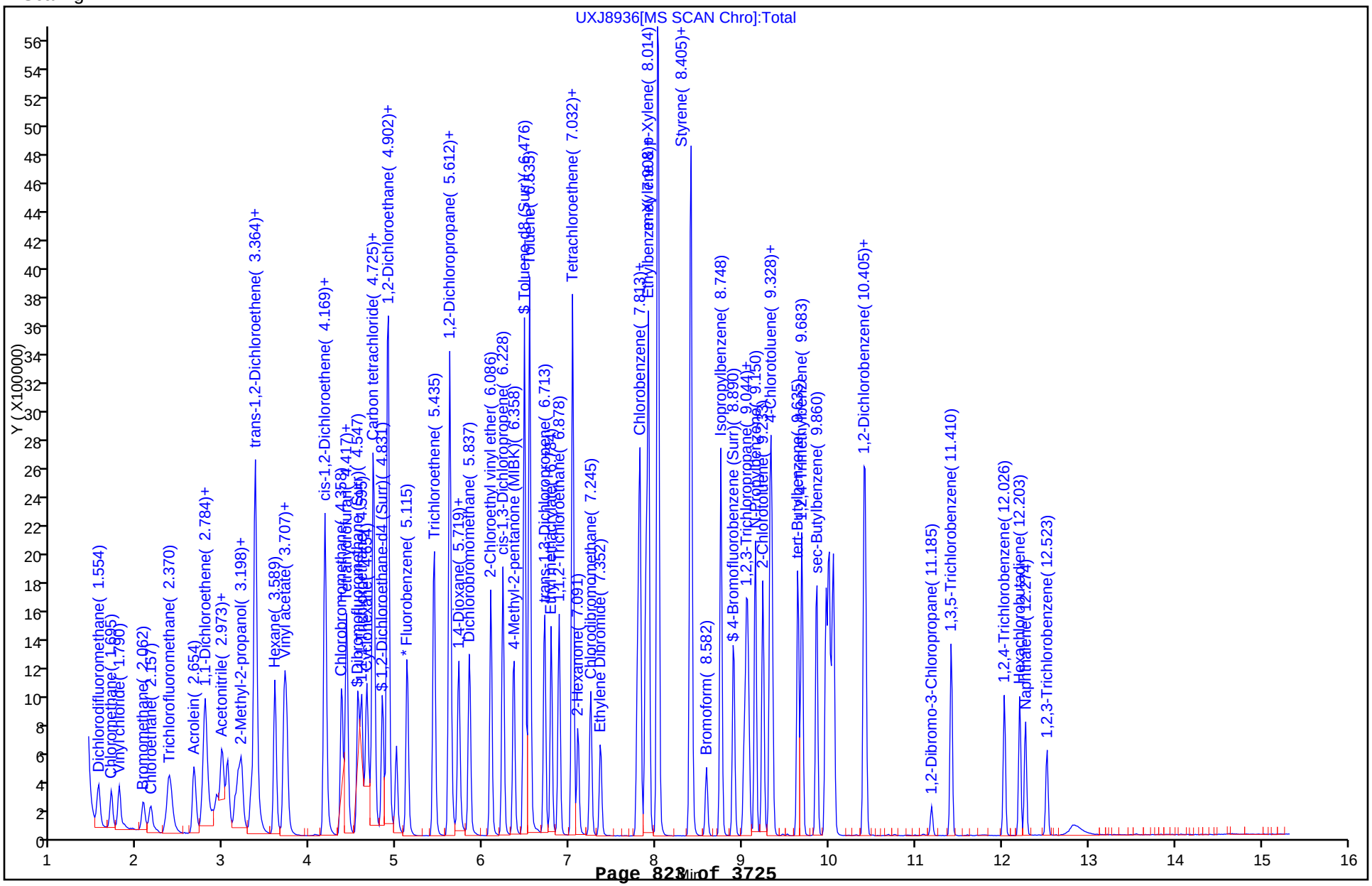
Report Date: 12-Dec-2012 09:05:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8936.D

Injection Date:	11-Dec-2012 12:01:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68124	Lims Sample ID:	3
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8937.D		
Lims ID:	STD8260 L4	Client ID:	
Inject. Date:	11-Dec-2012 12:24:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	4
Sample ID:	240-0015710-004		
Misc. Info.:	J21211A-IC,8260LLUX11,,43582		
Operator:	43582	Instrument ID:	A3UX11
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	68124	Lims Sample ID:	4
Sublist:	chrom-8260_11*sub11		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A3UX11\20121211-15710.b\8260_11.m		
Last Update:	12-Dec-2012 09:05:50	Calib Date:	11-Dec-2012 15:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK008		

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1292131	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	83	796303	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	83	287233	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	94	341905	9.67	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	89	408681	9.97	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	83	1328915	9.74	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	91	262294	9.62	
8 Dichlorodifluoromethane	85	1.554	1.554	0.0	86	275284	10.7	
9 Chloromethane	50	1.695	1.695	0.0	99	224951	9.80	
10 Vinyl chloride	62	1.790	1.790	0.0	81	248166	10.4	
11 Bromomethane	94	2.074	2.074	0.0	92	113073	10.0	
12 Chloroethane	64	2.157	2.157	0.0	98	131273	9.88	
14 Trichlorofluoromethane	101	2.358	2.358	0.0	85	285766	10.4	
16 Acrolein	56	2.654	2.654	0.0	95	350088	98.2	
17 Acetone	43	2.772	2.772	0.0	58	152823	18.7	
19 1,1-Dichloroethene	96	2.784	2.784	0.0	91	226500	9.89	
18 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.784	2.784	0.0	53	169283	10.5	
21 Iodomethane	142	2.914	2.914	0.0	97	275050	10.2	
23 Carbon disulfide	76	2.973	2.973	0.0	99	573023	10.1	
24 Acetonitrile	41	2.997	2.997	0.0	99	215338	94.3	
25 Methyl acetate	43	3.044	3.044	0.0	90	396450	19.3	
26 Methylene Chloride	84	3.163	3.163	0.0	78	226873	8.89	
27 2-Methyl-2-propanol	59	3.210	3.210	0.0	98	352647	203.0	
28 Acrylonitrile	53	3.317	3.317	0.0	96	187655	19.5	
30 Methyl tert-butyl ether	73	3.364	3.364	0.0	87	967207	9.80	
29 trans-1,2-Dichloroethene	96	3.364	3.364	0.0	56	342399	9.75	
31 Hexane	86	3.589	3.589	0.0	92	91069	11.2	
32 1,1-Dichloroethane	63	3.695	3.695	0.0	86	564434	9.85	
33 Vinyl acetate	86	3.731	3.731	0.0	97	72593	10.2	
40 cis-1,2-Dichloroethene	96	4.169	4.169	0.0	68	403027	9.79	
38 2-Butanone (MEK)	43	4.169	4.169	0.0	53	205935	19.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
39 2,2-Dichloropropane	77	4.180	4.180	0.0	72	233138	9.89	
43 Chlorobromomethane	128	4.370	4.370	0.0	82	202736	9.86	
44 Tetrahydrofuran	42	4.405	4.405	0.0	81	70642	9.84	
45 Chloroform	83	4.417	4.417	0.0	80	632323	9.76	
46 1,1,1-Trichloroethane	97	4.595	4.595	0.0	83	354466	9.82	
47 Cyclohexane	56	4.654	4.654	0.0	86	402075	10.7	
48 1,1-Dichloropropene	75	4.725	4.725	0.0	91	495508	9.85	
49 Carbon tetrachloride	117	4.737	4.737	0.0	74	350047	10.1	
51 1,2-Dichloroethane	62	4.902	4.902	0.0	48	482472	9.77	
52 Benzene	78	4.902	4.902	0.0	96	1448865	9.67	
56 Trichloroethene	130	5.435	5.435	0.0	90	422508	9.85	
58 Methylcyclohexane	83	5.612	5.612	0.0	89	480813	10.7	
59 1,2-Dichloropropane	63	5.612	5.612	0.0	86	329897	10.1	
61 Dibromomethane	93	5.719	5.719	0.0	84	198449	10.2	
62 1,4-Dioxane	88	5.719	5.719	0.0	89	118640	529.1	
63 Dichlorobromomethane	83	5.837	5.837	0.0	90	450042	9.87	
65 2-Chloroethyl vinyl ether	63	6.086	6.086	0.0	93	377341	19.9	
66 cis-1,3-Dichloropropene	75	6.228	6.228	0.0	87	540126	9.83	
67 4-Methyl-2-pentanone (MIBK)	43	6.358	6.358	0.0	94	425060	19.6	
68 Toluene	91	6.535	6.535	0.0	90	1583771	9.71	
69 trans-1,3-Dichloropropene	75	6.713	6.713	0.0	91	462481	9.86	
70 Ethyl methacrylate	69	6.784	6.784	0.0	88	384475	10.2	
71 1,1,2-Trichloroethane	97	6.878	6.878	0.0	88	271848	9.78	
72 Tetrachloroethene	164	7.032	7.032	0.0	90	325032	9.77	
73 1,3-Dichloropropane	76	7.032	7.032	0.0	91	463108	9.68	
74 2-Hexanone	43	7.091	7.091	0.0	96	253050	19.7	
76 Chlorodibromomethane	129	7.245	7.245	0.0	87	304221	9.94	
77 Ethylene Dibromide	107	7.352	7.352	0.0	98	251740	9.76	
79 Chlorobenzene	112	7.813	7.813	0.0	93	829287	9.77	
80 1,1,1,2-Tetrachloroethane	131	7.884	7.884	0.0	85	301293	9.79	
81 Ethylbenzene	106	7.908	7.908	0.0	98	452766	9.78	
82 m-Xylene & p-Xylene	106	8.026	8.026	0.0	96	1061638	19.7	
83 o-Xylene	106	8.393	8.393	0.0	92	466406	9.83	
84 Styrene	104	8.405	8.405	0.0	90	746836	9.86	
85 Bromoform	173	8.582	8.582	0.0	95	142665	10.6	
86 Isopropylbenzene	105	8.748	8.748	0.0	95	1036036	9.72	
88 1,1,2,2-Tetrachloroethane	83	9.020	9.020	0.0	90	176633	10.1	
89 Bromobenzene	156	9.044	9.044	0.0	88	261893	9.96	
90 1,2,3-Trichloropropane	110	9.067	9.067	0.0	74	64028	10.2	
91 trans-1,4-Dichloro-2-butene	53	9.067	9.067	0.0	64	31775	10.3	
92 N-Propylbenzene	120	9.150	9.150	0.0	97	239039	10.3	
93 2-Chlorotoluene	126	9.233	9.233	0.0	96	206312	9.90	
94 1,3,5-Trimethylbenzene	105	9.316	9.316	0.0	93	673565	10.2	
95 4-Chlorotoluene	126	9.340	9.340	0.0	97	218436	10.1	
96 tert-Butylbenzene	119	9.635	9.635	0.0	78	565973	10.0	
97 1,2,4-Trimethylbenzene	105	9.683	9.683	0.0	76	678496	9.88	
98 sec-Butylbenzene	105	9.860	9.860	0.0	93	738064	9.86	
99 1,3-Dichlorobenzene	146	9.967	9.967	0.0	97	436886	9.92	
100 4-Isopropyltoluene	119	10.002	10.002	0.0	92	653951	9.90	
101 1,4-Dichlorobenzene	146	10.050	10.050	0.0	93	469754	10.1	
103 n-Butylbenzene	91	10.405	10.405	0.0	94	539873	9.69	
104 1,2-Dichlorobenzene	146	10.416	10.416	0.0	97	436342	10.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 1,2-Dibromo-3-Chloropropane	157	11.185	11.185	0.0	70	39049	11.0	
106 1,3,5-Trichlorobenzene	180	11.410	11.410	0.0	97	295041	10.1	
107 1,2,4-Trichlorobenzene	180	12.026	12.026	0.0	88	244577	11.2	
108 Hexachlorobutadiene	225	12.203	12.203	0.0	87	139013	10.6	
109 Naphthalene	128	12.274	12.274	0.0	97	514577	11.0	
110 1,2,3-Trichlorobenzene	180	12.523	12.523	0.0	94	187073	10.5	
S 138 Trihalomethanes, Total	1				0		40.2	
S 112 1,2-Dichloroethene, Total	96				0		19.5	
S 113 1,3-Dichloropropene, Total	75				0		19.7	
S 114 Xylenes, Total	106				0		29.6	

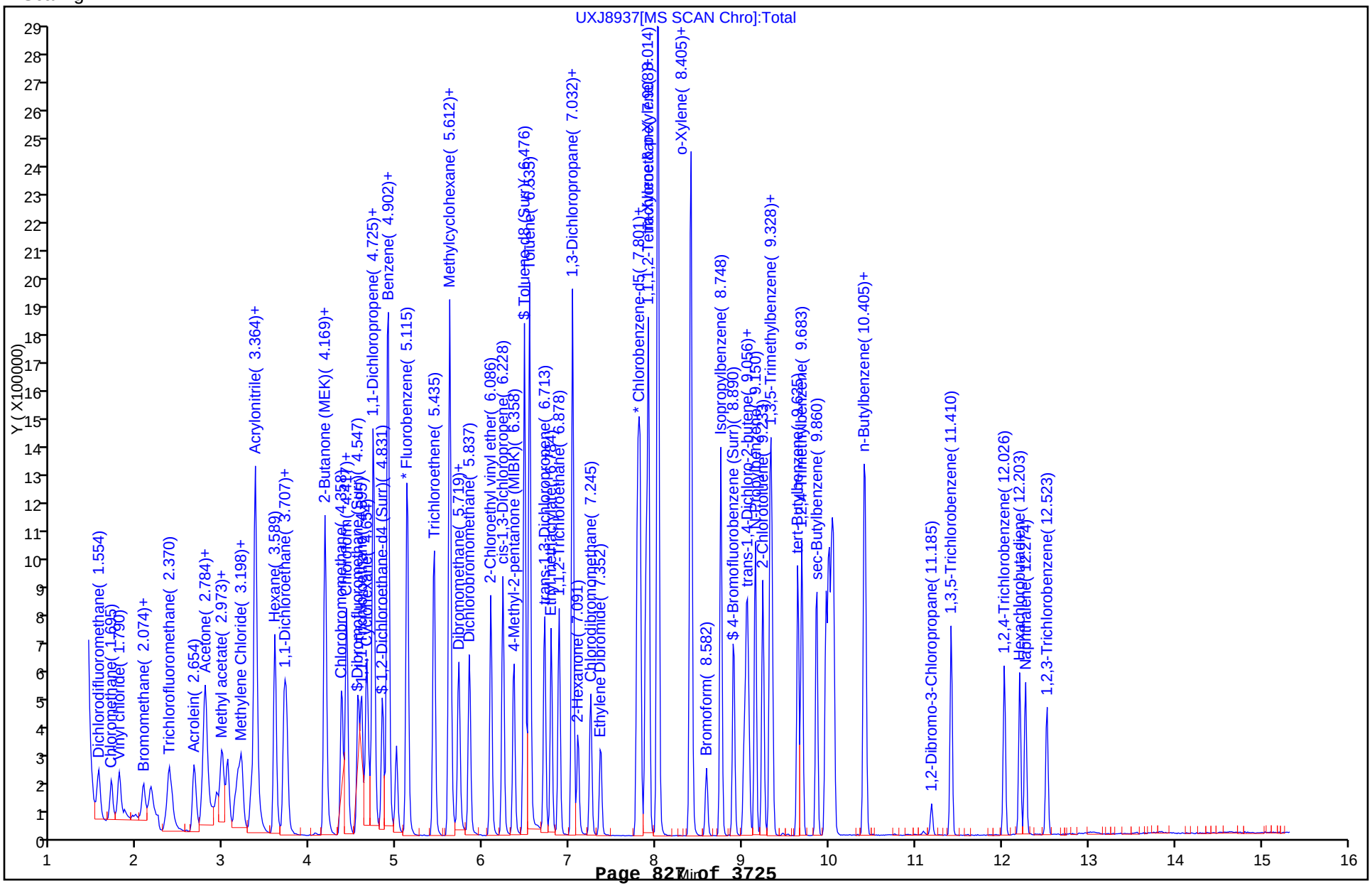
Report Date: 12-Dec-2012 09:05:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8937.D

Injection Date:	11-Dec-2012 12:24:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68124	Lims Sample ID:	4
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8938.D
Lims ID: STD8260 L3 Client ID:
Inject. Date: 11-Dec-2012 12:47:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015710-005
Misc. Info.: J21211A-IC,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 68124 Lims Sample ID: 5
Sublist: chrom-8260_11*sub11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\8260_11.m
Last Update: 12-Dec-2012 09:05:51 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: evansle Date: 12-Dec-2012 09:02:31

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1289218	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	84	788173	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	90	295765	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	96	181492	5.14	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	80	206276	5.04	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	83	693793	5.14	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	94	138370	5.13	
8 Dichlorodifluoromethane	85	1.553	1.554	-0.001	97	119100	4.64	
9 Chloromethane	50	1.695	1.695	0.0	89	119311	5.21	
10 Vinyl chloride	62	1.790	1.790	0.0	81	116899	4.91	
11 Bromomethane	94	2.074	2.074	0.0	88	57772	5.14	
12 Chloroethane	64	2.157	2.157	0.0	93	68269	5.15	
14 Trichlorofluoromethane	101	2.358	2.358	0.0	84	124005	4.53	
16 Acrolein	56	2.654	2.654	0.0	90	173741	48.8	
17 Acetone	43	2.772	2.772	0.0	62	78994	8.61	
19 1,1-Dichloroethene	96	2.784	2.784	0.0	90	111128	4.86	
18 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.796	2.784	0.012	59	70861	4.42	
21 Iodomethane	142	2.914	2.914	0.0	97	140909	5.22	
23 Carbon disulfide	76	2.973	2.973	0.0	99	286516	5.07	
24 Acetonitrile	41	2.997	2.997	0.0	93	113479	49.8	
25 Methyl acetate	43	3.044	3.044	0.0	90	210523	10.3	
26 Methylene Chloride	84	3.163	3.163	0.0	78	128446	5.04	
27 2-Methyl-2-propanol	59	3.210	3.210	0.0	98	179607	103.6	
28 Acrylonitrile	53	3.316	3.317	-0.001	99	98407	10.3	
30 Methyl tert-butyl ether	73	3.364	3.364	0.0	87	505214	5.13	
29 trans-1,2-Dichloroethene	96	3.364	3.364	0.0	57	176614	5.04	
31 Hexane	86	3.589	3.589	0.0	93	34844	4.28	
32 1,1-Dichloroethane	63	3.695	3.695	0.0	85	292701	5.12	
33 Vinyl acetate	86	3.731	3.731	0.0	98	36050	5.10	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
40 cis-1,2-Dichloroethene	96	4.168	4.169	-0.001	67	212890	5.19	
38 2-Butanone (MEK)	43	4.168	4.169	-0.001	54	113395	10.5	
39 2,2-Dichloropropane	77	4.180	4.180	0.0	66	118656	5.04	
43 Chlorobromomethane	128	4.370	4.370	0.0	77	106821	5.21	
44 Tetrahydrofuran	42	4.417	4.405	0.012	79	38592	5.39	
45 Chloroform	83	4.417	4.417	0.0	82	334376	5.17	
46 1,1,1-Trichloroethane	97	4.594	4.595	-0.001	91	181297	5.04	
47 Cyclohexane	56	4.654	4.654	0.0	86	173224	4.61	
48 1,1-Dichloropropene	75	4.725	4.725	0.0	91	250513	4.99	
49 Carbon tetrachloride	117	4.736	4.737	-0.001	72	171623	4.95	
51 1,2-Dichloroethane	62	4.902	4.902	0.0	48	252174	5.12	
52 Benzene	78	4.902	4.902	0.0	96	776029	5.19	
56 Trichloroethene	130	5.435	5.435	0.0	88	217016	5.07	
58 Methylcyclohexane	83	5.612	5.612	0.0	86	200770	4.50	
59 1,2-Dichloropropane	63	5.612	5.612	0.0	85	167754	5.15	
61 Dibromomethane	93	5.719	5.719	-0.001	80	97902	5.04	
62 1,4-Dioxane	88	5.719	5.719	-0.001	86	61475	274.8	
63 Dichlorobromomethane	83	5.837	5.837	0.0	93	234594	5.16	
65 2-Chloroethyl vinyl ether	63	6.085	6.086	-0.001	95	194743	10.3	
66 cis-1,3-Dichloropropene	75	6.227	6.228	-0.001	87	279084	5.09	
67 4-Methyl-2-pentanone (MIBK)	43	6.357	6.358	-0.001	93	220855	10.2	
68 Toluene	91	6.535	6.535	0.0	91	823350	5.10	
69 trans-1,3-Dichloropropene	75	6.712	6.713	-0.001	90	233997	5.04	
70 Ethyl methacrylate	69	6.783	6.784	-0.001	88	192414	5.14	
71 1,1,2-Trichloroethane	97	6.878	6.878	0.0	85	141913	5.16	
72 Tetrachloroethene	164	7.032	7.032	0.0	90	167948	5.10	
73 1,3-Dichloropropane	76	7.032	7.032	0.0	90	246181	5.20	
74 2-Hexanone	43	7.091	7.091	0.0	94	129642	10.2	
76 Chlorodibromomethane	129	7.245	7.245	0.0	86	151992	5.01	
77 Ethylene Dibromide	107	7.351	7.352	-0.001	96	134361	5.26	
79 Chlorobenzene	112	7.813	7.813	0.0	92	431968	5.14	
80 1,1,1,2-Tetrachloroethane	131	7.884	7.884	0.0	83	158613	5.21	
81 Ethylbenzene	106	7.908	7.908	0.0	98	236138	5.16	
82 m-Xylene & p-Xylene	106	8.026	8.026	0.0	96	548042	10.3	
83 o-Xylene	106	8.393	8.393	0.0	91	244817	5.22	
84 Styrene	104	8.405	8.405	0.0	88	393794	5.25	
85 Bromoform	173	8.582	8.582	0.0	95	67011	5.04	
86 Isopropylbenzene	105	8.748	8.748	0.0	95	539337	5.11	
88 1,1,2,2-Tetrachloroethane	83	9.020	9.020	0.0	88	89682	4.98	
89 Bromobenzene	156	9.044	9.044	0.0	88	140570	5.19	
90 1,2,3-Trichloropropane	110	9.067	9.067	0.0	75	31873	4.93	
91 trans-1,4-Dichloro-2-butene	53	9.067	9.067	0.0	60	17706	5.59	
92 N-Propylbenzene	120	9.150	9.150	0.0	97	123068	5.17	
93 2-Chlorotoluene	126	9.233	9.233	0.0	96	112115	5.23	
94 1,3,5-Trimethylbenzene	105	9.316	9.316	0.0	93	341272	5.01	
95 4-Chlorotoluene	126	9.339	9.340	-0.001	97	115574	5.21	
96 tert-Butylbenzene	119	9.635	9.635	0.0	85	298598	5.12	
97 1,2,4-Trimethylbenzene	105	9.683	9.683	0.0	69	353734	5.00	
98 sec-Butylbenzene	105	9.860	9.860	0.0	92	381688	4.95	
99 1,3-Dichlorobenzene	146	9.967	9.967	0.0	97	230322	5.08	
100 4-Isopropyltoluene	119	10.002	10.002	0.0	90	341342	5.02	
101 1,4-Dichlorobenzene	146	10.049	10.050	-0.001	91	242748	5.07	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
103 n-Butylbenzene	91	10.404	10.405	-0.001	94	289231	5.04	
104 1,2-Dichlorobenzene	146	10.416	10.416	0.0	97	230822	5.14	
105 1,2-Dibromo-3-Chloropropane	157	11.185	11.185	0.0	63	19641	5.36	
106 1,3,5-Trichlorobenzene	180	11.410	11.410	0.0	92	161879	5.36	
107 1,2,4-Trichlorobenzene	180	12.025	12.026	-0.001	88	133555	5.40	
108 Hexachlorobutadiene	225	12.203	12.203	0.0	87	78708	5.40	
109 Naphthalene	128	12.274	12.274	0.0	96	290095	5.31	
110 1,2,3-Trichlorobenzene	180	12.522	12.523	-0.001	89	108936	5.93	
S 138 Trihalomethanes, Total	1				0		20.4	
S 112 1,2-Dichloroethene, Total	96				0		10.2	
S 113 1,3-Dichloropropene, Total	75				0		10.1	
S 114 Xylenes, Total	106				0		15.5	

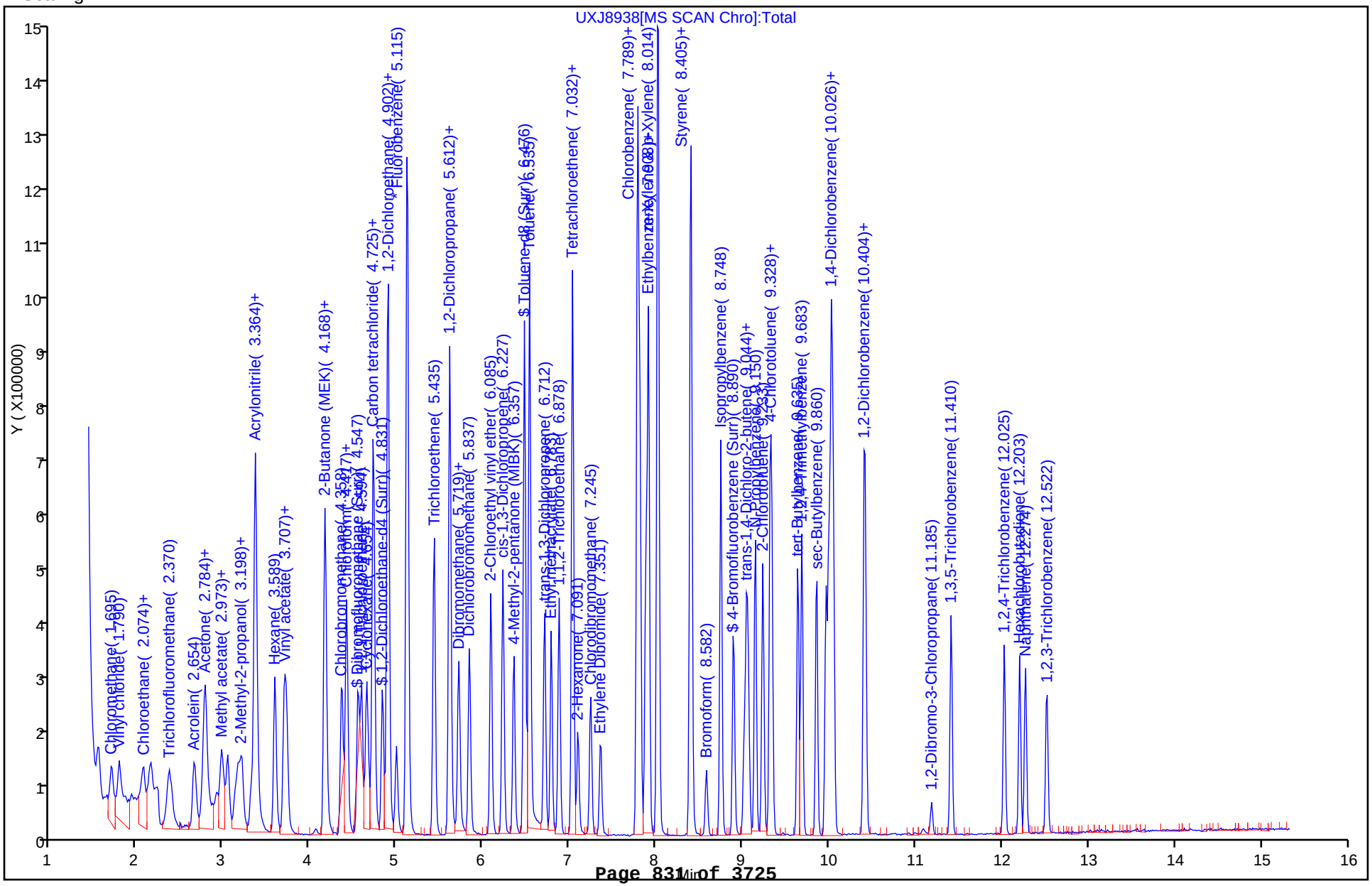
Report Date: 12-Dec-2012 09:05:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8938.D

Injection Date:	11-Dec-2012 12:47:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68124	Lims Sample ID:	5
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8939.D
Lims ID: STD8260 L2 Client ID:
Inject. Date: 11-Dec-2012 13:09:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015710-006
Misc. Info.: J21211A-IC,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 68124 Lims Sample ID: 6
Sublist: chrom-8260_11*sub11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\8260_11.m
Last Update: 12-Dec-2012 09:05:52 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1269337	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	83	778026	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	92	287823	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	92	66866	1.92	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	87	77795	1.93	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	82	254512	1.91	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	89	51550	1.93	
8 Dichlorodifluoromethane	85	1.554	1.554	0.0	83	55293	2.19	
9 Chloromethane	50	1.696	1.695	0.001	88	44195	1.96	
10 Vinyl chloride	62	1.790	1.790	0.0	81	46438	1.98	
11 Bromomethane	94	2.074	2.074	0.0	76	22552	2.04	
12 Chloroethane	64	2.145	2.157	-0.012	70	27070	2.07	
14 Trichlorofluoromethane	101	2.370	2.358	0.012	82	52804	1.96	
16 Acrolein	56	2.654	2.654	0.0	95	77482	22.1	
17 Acetone	43	2.772	2.772	0.0	66	42418	3.85	
19 1,1-Dichloroethene	96	2.784	2.784	0.0	85	45323	2.01	
18 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.784	2.784	0.0	47	33283	2.11	
21 Iodomethane	142	2.914	2.914	0.0	93	50747	1.91	
23 Carbon disulfide	76	2.973	2.973	0.0	98	110755	1.99	
24 Acetonitrile	41	2.997	2.997	0.0	92	50458	22.5	
25 Methyl acetate	43	3.044	3.044	0.0	93	93237	4.63	
26 Methylene Chloride	84	3.163	3.163	0.0	82	53423	2.13	
27 2-Methyl-2-propanol	59	3.210	3.210	0.0	94	71523	41.9	
28 Acrylonitrile	53	3.317	3.317	0.0	97	40373	4.27	
30 Methyl tert-butyl ether	73	3.364	3.364	0.0	89	198704	2.05	
29 trans-1,2-Dichloroethene	96	3.364	3.364	0.0	57	71365	2.07	
31 Hexane	86	3.589	3.589	0.0	89	16938	2.11	
32 1,1-Dichloroethane	63	3.695	3.695	0.0	93	114784	2.04	
33 Vinyl acetate	86	3.731	3.731	0.0	96	14572	2.09	
40 cis-1,2-Dichloroethene	96	4.169	4.169	0.0	68	79345	1.96	
38 2-Butanone (MEK)	43	4.169	4.169	0.0	54	48511	4.56	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
39 2,2-Dichloropropane	77	4.180	4.180	0.0	65	48521	2.09	
43 Chlorobromomethane	128	4.370	4.370	0.0	73	39734	1.97	
44 Tetrahydrofuran	42	4.405	4.405	0.0	44	15833	2.25	
45 Chloroform	83	4.417	4.417	0.0	66	125499	1.97	
46 1,1,1-Trichloroethane	97	4.595	4.595	0.0	89	72639	2.05	
47 Cyclohexane	56	4.654	4.654	0.0	84	78445	2.12	
48 1,1-Dichloropropene	75	4.725	4.725	0.0	85	99937	2.02	
49 Carbon tetrachloride	117	4.737	4.737	0.0	71	70301	2.06	
51 1,2-Dichloroethane	62	4.902	4.902	0.0	47	94443	1.95	
52 Benzene	78	4.902	4.902	0.0	96	293657	1.99	
56 Trichloroethene	130	5.435	5.435	0.0	91	83806	1.99	
58 Methylcyclohexane	83	5.612	5.612	0.0	83	95487	2.17	
59 1,2-Dichloropropane	63	5.612	5.612	0.0	74	64280	2.00	
61 Dibromomethane	93	5.719	5.719	0.0	81	37727	1.97	
62 1,4-Dioxane	88	5.719	5.719	0.0	19	22497	102.1	
63 Dichlorobromomethane	83	5.837	5.837	0.0	88	84844	1.89	
65 2-Chloroethyl vinyl ether	63	6.086	6.086	0.0	93	72636	3.90	
66 cis-1,3-Dichloropropene	75	6.228	6.228	0.0	80	104846	1.94	
67 4-Methyl-2-pentanone (MIBK)	43	6.358	6.358	0.0	93	89567	4.21	
68 Toluene	91	6.535	6.535	0.0	91	319781	2.01	
69 trans-1,3-Dichloropropene	75	6.713	6.713	0.0	91	88836	1.94	
70 Ethyl methacrylate	69	6.784	6.784	0.0	85	72125	1.95	
71 1,1,2-Trichloroethane	97	6.878	6.878	0.0	84	55641	2.05	
72 Tetrachloroethene	164	7.032	7.032	0.0	88	64917	2.00	
73 1,3-Dichloropropane	76	7.032	7.032	0.0	88	94375	2.02	
74 2-Hexanone	43	7.091	7.091	0.0	90	52251	4.16	
76 Chlorodibromomethane	129	7.245	7.245	0.0	80	57953	1.94	
77 Ethylene Dibromide	107	7.352	7.352	0.0	93	50072	1.99	
79 Chlorobenzene	112	7.813	7.813	0.0	94	168372	2.03	
80 1,1,1,2-Tetrachloroethane	131	7.884	7.884	0.0	87	60120	2.00	
81 Ethylbenzene	106	7.908	7.908	0.0	98	91333	2.02	
82 m-Xylene & p-Xylene	106	8.026	8.026	0.0	96	211432	4.02	
83 o-Xylene	106	8.393	8.393	0.0	91	92684	2.00	
84 Styrene	104	8.405	8.405	0.0	90	143709	1.94	
85 Bromoform	173	8.582	8.582	0.0	89	25353	1.93	
86 Isopropylbenzene	105	8.748	8.748	0.0	93	215658	2.07	
88 1,1,2,2-Tetrachloroethane	83	9.020	9.020	0.0	81	38866	2.22	
89 Bromobenzene	156	9.044	9.044	0.0	83	53648	2.04	
90 1,2,3-Trichloropropane	110	9.067	9.067	0.0	63	12889	2.05	
91 trans-1,4-Dichloro-2-butene	53	9.067	9.067	0.0	47	5794	1.88	
92 N-Propylbenzene	120	9.150	9.150	0.0	95	44367	1.91	
93 2-Chlorotoluene	126	9.233	9.233	0.0	96	43375	2.08	
94 1,3,5-Trimethylbenzene	105	9.316	9.316	0.0	90	132710	2.00	
95 4-Chlorotoluene	126	9.340	9.340	0.0	95	42983	1.99	
96 tert-Butylbenzene	119	9.635	9.635	0.0	81	114475	2.02	
97 1,2,4-Trimethylbenzene	105	9.683	9.683	0.0	67	134721	1.96	
98 sec-Butylbenzene	105	9.860	9.860	0.0	86	149880	2.00	
99 1,3-Dichlorobenzene	146	9.967	9.967	0.0	95	90488	2.05	
100 4-Isopropyltoluene	119	10.002	10.002	0.0	89	132832	2.01	
101 1,4-Dichlorobenzene	146	10.050	10.050	0.0	82	91860	1.97	
103 n-Butylbenzene	91	10.405	10.405	0.0	92	107017	1.92	
104 1,2-Dichlorobenzene	146	10.416	10.416	0.0	94	87950	2.01	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 1,2-Dibromo-3-Chloropropane	157	11.186	11.185	0.001	37	7593	2.13	
106 1,3,5-Trichlorobenzene	180	11.410	11.410	0.0	93	61788	2.10	
107 1,2,4-Trichlorobenzene	180	12.026	12.026	0.0	83	51907	1.74	
108 Hexachlorobutadiene	225	12.203	12.203	0.0	84	31150	1.81	
109 Naphthalene	128	12.274	12.274	0.0	93	116549	1.82	
110 1,2,3-Trichlorobenzene	180	12.523	12.523	0.0	85	45902	2.57	
S 138 Trihalomethanes, Total	1				0		7.73	
S 112 1,2-Dichloroethene, Total	96				0		4.03	
S 113 1,3-Dichloropropene, Total	75				0		3.88	
S 114 Xylenes, Total	106				0		6.02	

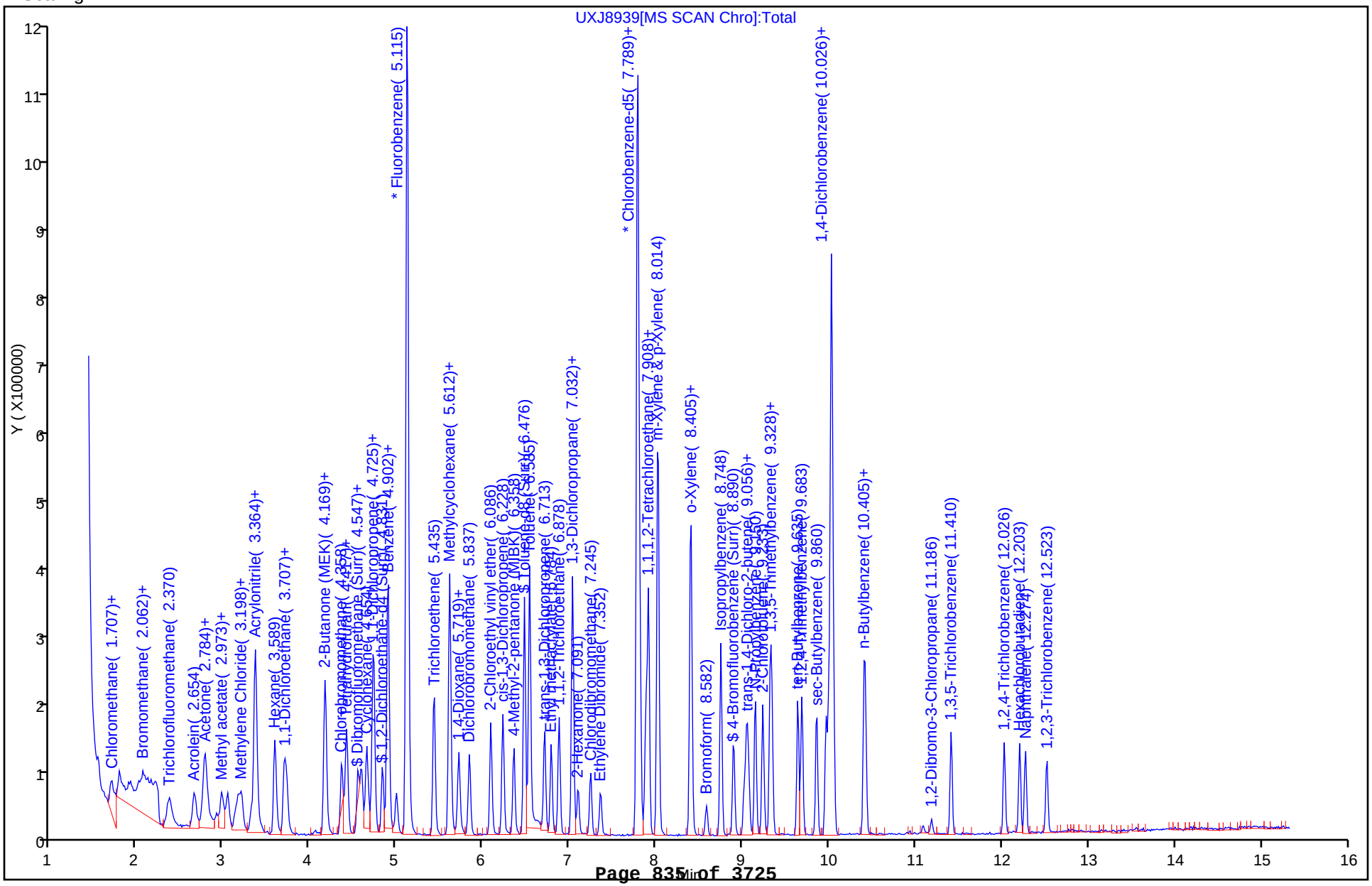
Report Date: 12-Dec-2012 09:05:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8939.D

Injection Date:	11-Dec-2012 13:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68124	Lims Sample ID:	6
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8940.D
Lims ID: STD8260 L1 Client ID:
Inject. Date: 11-Dec-2012 13:32:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015710-007
Misc. Info.: J21211A-IC,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 68124 Lims Sample ID: 7
Sublist: chrom-8260_11*sub11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\8260_11.m
Last Update: 12-Dec-2012 09:05:52 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: evansle Date: 11-Dec-2012 13:54:58

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1298543	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	82	779483	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	92	289416	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	89	36700	1.03	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	86	42571	1.03	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	77	134248	1.01	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	83	27969	1.05	
8 Dichlorodifluoromethane	85	1.554	1.554	0.0	77	27698	1.07	
9 Chloromethane	50	1.696	1.695	0.001	79	21972	0.9529	
10 Vinyl chloride	62	1.790	1.790	0.0	66	23163	0.9651	
11 Bromomethane	94	2.074	2.074	0.0	70	10705	0.9455	
12 Chloroethane	64	2.157	2.157	0.0	69	12717	0.9526	
14 Trichlorofluoromethane	101	2.358	2.358	0.0	76	26664	0.9678	
16 Acrolein	56	2.654	2.654	0.0	87	36531	10.2	
17 Acetone	43	2.772	2.772	0.0	89	41201	3.56	
19 1,1-Dichloroethene	96	2.784	2.784	0.0	76	23725	1.03	
18 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.784	2.784	0.0	32	17145	1.06	
21 Iodomethane	142	2.914	2.914	0.0	84	24025	0.8837	
23 Carbon disulfide	76	2.973	2.973	0.0	95	54003	0.9488	
24 Acetonitrile	41	2.997	2.997	0.0	93	25814	11.3	
25 Methyl acetate	43	3.044	3.044	0.0	86	40723	1.98	
26 Methylene Chloride	84	3.163	3.163	0.0	77	32456	1.26	
27 2-Methyl-2-propanol	59	3.210	3.210	0.0	91	34580	19.8	
28 Acrylonitrile	53	3.328	3.317	0.011	86	19666	2.03	
30 Methyl tert-butyl ether	73	3.364	3.364	0.0	86	96064	0.9690	
29 trans-1,2-Dichloroethene	96	3.364	3.364	0.0	58	34828	0.9870	
31 Hexane	86	3.589	3.589	0.0	90	9331	1.14	
32 1,1-Dichloroethane	63	3.695	3.695	0.0	74	54891	0.9527	
33 Vinyl acetate	86	3.731	3.731	0.0	96	6056	0.8506	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
40 cis-1,2-Dichloroethene	96	4.169	4.169	0.0	67	41322	1.00	
38 2-Butanone (MEK)	43	4.169	4.169	0.0	52	21979	2.02	
39 2,2-Dichloropropane	77	4.180	4.180	0.0	57	24217	1.02	
43 Chlorobromomethane	128	4.370	4.370	0.0	60	20124	0.9738	
44 Tetrahydrofuran	42	4.417	4.405	0.012	36	7213	1.00	
45 Chloroform	83	4.417	4.417	0.0	74	63733	0.9787	
46 1,1,1-Trichloroethane	97	4.595	4.595	0.0	84	37937	1.05	
47 Cyclohexane	56	4.654	4.654	0.0	81	38358	1.01	
48 1,1-Dichloropropene	75	4.725	4.725	0.0	87	50867	1.01	
49 Carbon tetrachloride	117	4.737	4.737	0.0	74	34833	1.00	
51 1,2-Dichloroethane	62	4.902	4.902	0.0	55	50976	1.03	
52 Benzene	78	4.902	4.902	0.0	95	149696	0.99	
56 Trichloroethene	130	5.435	5.435	0.0	85	43001	1.00	
58 Methylcyclohexane	83	5.612	5.612	0.0	80	48961	1.09	
59 1,2-Dichloropropane	63	5.612	5.612	0.0	72	29669	0.9038	
61 Dibromomethane	93	5.719	5.719	0.0	74	18534	0.9479	
62 1,4-Dioxane	88	5.719	5.719	0.0	19	10610	47.1	
63 Dichlorobromomethane	83	5.837	5.837	0.0	91	43135	0.9415	
65 2-Chloroethyl vinyl ether	63	6.086	6.086	0.0	88	38290	2.01	
66 cis-1,3-Dichloropropene	75	6.228	6.228	0.0	74	52168	0.9448	
67 4-Methyl-2-pentanone (MIBK)	43	6.358	6.358	0.0	83	46150	2.12	
68 Toluene	91	6.535	6.535	0.0	88	154407	0.9668	
69 trans-1,3-Dichloropropene	75	6.713	6.713	0.0	77	43781	0.9532	
70 Ethyl methacrylate	69	6.784	6.784	0.0	81	34585	0.9340	
71 1,1,2-Trichloroethane	97	6.878	6.878	0.0	82	26718	0.9818	
72 Tetrachloroethene	164	7.032	7.032	0.0	92	32280	0.99	
73 1,3-Dichloropropane	76	7.032	7.032	0.0	87	45391	0.9695	
74 2-Hexanone	43	7.091	7.091	0.0	87	27175	2.16	
76 Chlorodibromomethane	129	7.245	7.245	0.0	71	27402	0.9142	
77 Ethylene Dibromide	107	7.363	7.352	0.011	79	24273	0.9613	
79 Chlorobenzene	112	7.813	7.813	0.0	92	80847	0.9734	
80 1,1,1,2-Tetrachloroethane	131	7.884	7.884	0.0	75	28838	0.9575	
81 Ethylbenzene	106	7.908	7.908	0.0	97	44787	0.9887	
82 m-Xylene & p-Xylene	106	8.026	8.026	0.0	96	100955	1.92	
83 o-Xylene	106	8.393	8.393	0.0	90	45325	0.9763	
84 Styrene	104	8.405	8.405	0.0	84	68898	0.9290	
85 Bromoform	173	8.582	8.582	0.0	79	11056	0.8406	
86 Isopropylbenzene	105	8.748	8.748	0.0	90	102729	0.9841	
88 1,1,2,2-Tetrachloroethane	83	9.020	9.020	0.0	60	17799	1.01	
89 Bromobenzene	156	9.044	9.044	0.0	88	26504	1.00	
90 1,2,3-Trichloropropane	110	9.067	9.067	0.0	54	6865	1.08	
91 trans-1,4-Dichloro-2-butene	53	9.067	9.067	0.0	35	2825	0.9109	
92 N-Propylbenzene	120	9.150	9.150	0.0	90	22641	0.9712	
93 2-Chlorotoluene	126	9.233	9.233	0.0	89	20388	0.9713	
94 1,3,5-Trimethylbenzene	105	9.316	9.316	0.0	88	64423	0.9667	
95 4-Chlorotoluene	126	9.340	9.340	0.0	90	20060	0.9239	
96 tert-Butylbenzene	119	9.635	9.635	0.0	73	53418	0.9365	
97 1,2,4-Trimethylbenzene	105	9.683	9.683	0.0	59	69335	1.00	
98 sec-Butylbenzene	105	9.860	9.860	0.0	75	74354	0.9862	
99 1,3-Dichlorobenzene	146	9.967	9.967	0.0	88	42971	0.9683	
100 4-Isopropyltoluene	119	10.002	10.002	0.0	88	62352	0.9364	
101 1,4-Dichlorobenzene	146	10.050	10.050	0.0	77	47900	1.02	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
103 n-Butylbenzene	91	10.405	10.405	0.0	86	56788	1.01	
104 1,2-Dichlorobenzene	146	10.416	10.416	0.0	91	45487	1.04	
105 1,2-Dibromo-3-Chloropropane	157	11.186	11.185	0.001	14	3382	0.9439	
106 1,3,5-Trichlorobenzene	180	11.410	11.410	0.0	74	31477	1.07	
107 1,2,4-Trichlorobenzene	180	12.026	12.026	0.0	75	26096	0.5535	
108 Hexachlorobutadiene	225	12.203	12.203	0.0	61	16532	0.6800	
109 Naphthalene	128	12.274	12.274	0.0	80	58205	0.6692	
110 1,2,3-Trichlorobenzene	180	12.523	12.523	0.0	59	22868	1.27	
S 138 Trihalomethanes, Total	1				0		3.67	
S 112 1,2-Dichloroethene, Total	96				0		1.99	
S 113 1,3-Dichloropropene, Total	75				0		1.90	
S 114 Xylenes, Total	106				0		2.89	

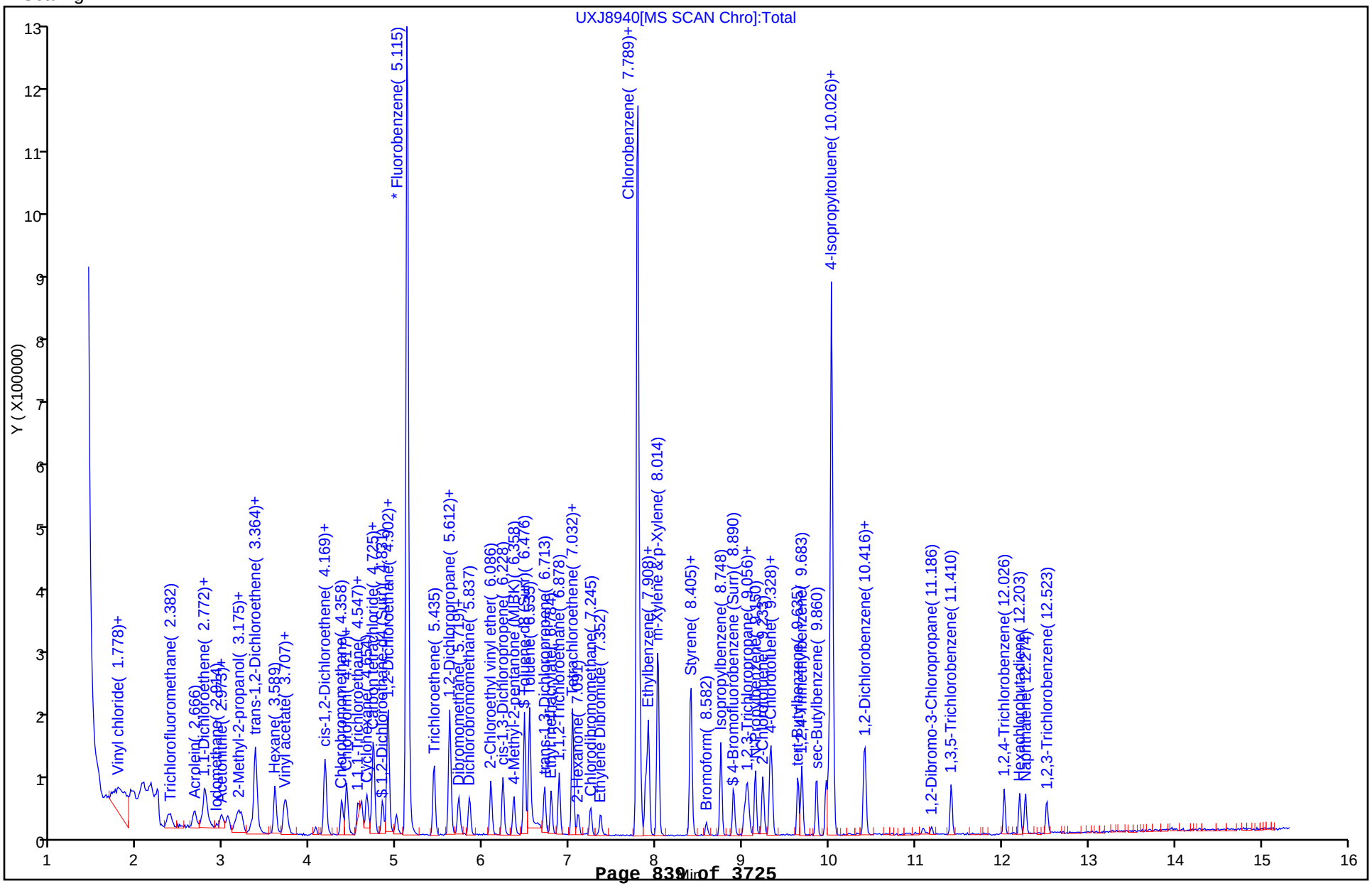
Report Date: 12-Dec-2012 09:05:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8940.D

Injection Date:	11-Dec-2012 13:32:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68124	Lims Sample ID:	7
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68830

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/14/2012 21:39 Calibration End Date: 12/15/2012 00:08 Calibration ID: 12843

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-68830/10	UX82463.D
Level 2	STD8260 240-68830/9	UX82462.D
Level 3	STD8260 240-68830/8	UX82461.D
Level 4	STD8260 240-68830/7	UX82460.D
Level 5	ICIS 240-68830/6	UX82459.D
Level 6	STD8260 240-68830/5	UX82458.D
Level 7	STD8260 240-68830/4	UX82457.D
Level 8	STD8260 240-68830/3	UX82456.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1330 0.1860	0.1494 0.1753	0.1821 0.1845	0.1903	0.1979	Ave		0.1748			0.1000	13.0		15.0			
Chloromethane	0.3005 0.3078	0.2948 0.3026	0.3117 0.3128	0.3215	0.3310	Ave		0.3103			0.1000	3.8		15.0			
Vinyl chloride	0.1749 0.1929	0.1917 0.1825	0.1952 0.1949	0.2020	0.1993	Ave		0.1917			0.1000	4.6		15.0			
Bromomethane	0.0868 0.1045	0.1100	0.1093	0.1198	0.1177	Ave		0.1080			0.0500	11.0		15.0			
2-Chloroethyl vinyl ether	+++++ 0.0003	+++++ 0.0005	+++++ 0.0009	+++++	+++++	Ave		0.0005				58.0	*	15.0			
Chloroethane	0.1062 0.1221	0.1023 0.1129	0.1179	0.1248	0.1324	Ave		0.1169				9.1		15.0			
Trichlorofluoromethane	0.2053 0.2441	0.1822 0.2651	0.2268 0.2297	0.2385	0.2499	Ave		0.2302			0.1000	11.0		15.0			
Acrolein	0.0640 0.0556	0.0565 0.0513	0.0607 0.0495	0.0562	0.0597	Ave		0.0567				8.5		15.0			
1,1-Dichloroethene	0.1198 0.1668	0.1633 0.1660	0.1570 0.1636	0.1689	0.1728	Ave		0.1598			0.1000	11.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1219 0.1460	0.1381 0.1417	0.1470 0.1479	0.1437	0.1600	Ave		0.1433			0.0500	7.5		15.0			
Acetone	+++++ 0.1336	+++++ 0.1232	0.1821 0.1186	0.1424	0.1529	Lin1	0.7066	0.1195			0.0500				0.9970		0.9950
Iodomethane	0.3128 0.3488	0.3568 0.3432	0.3330 0.3360	0.3449	0.3579	Ave		0.3417				4.3		15.0			
Carbon disulfide	0.4227 0.5089	0.4352 0.5177	0.4134 0.5231	0.4655	0.4925	Ave		0.4724			0.1000	9.4		15.0			
Acetonitrile	0.0669 0.0500	0.0579 0.0464	0.0528 0.0448	0.0500	0.0555	Ave		0.0530				13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68830

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/14/2012 21:39 Calibration End Date: 12/15/2012 00:08 Calibration ID: 12843

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Methyl acetate	0.3448 0.3227	0.3299 0.2955	0.3112 0.2977	0.2884	0.3382	Ave		0.3160			0.1000	6.7		15.0			
Methylene Chloride	+++++ 0.2263	0.3912 0.2133	0.2730 0.2093	0.2635	0.2469	Lin1	0.3957	0.2105			0.1000				0.9990		0.9950
Vinyl acetate	+++++ 0.0476	+++++ 0.0485	0.0385 0.0481	0.0420	0.0466	Ave		0.0452				8.9		15.0			
2-Methyl-2-propanol	0.0254 0.0271	0.0251 0.0236	0.0235 0.0218	0.0232	0.0281	Ave		0.0247				8.6		15.0			
Acrylonitrile	0.1429 0.1340	0.1211 0.1265	0.1307 0.1253	0.1249	0.1405	Ave		0.1307				6.0		15.0			
Methyl tert-butyl ether	0.5803 0.6318	0.5840 0.5934	0.5521 0.5752	0.5760	0.6303	Ave		0.5904			0.1000	4.7		15.0			
trans-1,2-Dichloroethene	0.2086 0.2101	0.1949 0.2028	0.2001 0.1986	0.2077	0.2083	Ave		0.2039			0.1000	2.8		15.0			
Hexane	0.0455 0.0566	0.0619 0.0552	0.0570 0.0577	0.0548	0.0604	Ave		0.0561				8.8		15.0			
1,1-Dichloroethane	0.3881 0.3893	0.3937 0.3882	0.3740 0.3868	0.3839	0.3961	Ave		0.3875			0.1000	1.7		15.0			
2-Butanone (MEK)	0.2415 0.1966	0.1977 0.1797	0.1915 0.1770	0.1827	0.2105	Ave		0.1972			0.0500	11.0		15.0			
cis-1,2-Dichloroethene	0.2329 0.2357	0.2401 0.2283	0.2289 0.2235	0.2332	0.2415	Ave		0.2330			0.1000	2.6		15.0			
2,2-Dichloropropane	0.1295 0.1659	0.1337 0.1621	0.1618 0.1545	0.1581	0.1732	Ave		0.1549				10.0		15.0			
Bromochloromethane	0.1397 0.1342	0.1409 0.1297	0.1257 0.1266	0.1284	0.1375	Ave		0.1328				4.5		15.0			
Tetrahydrofuran	0.1334 0.1266	0.1180 0.1118	0.1146 0.1115	0.1081	0.1297	Ave		0.1192				7.9		15.0			
Chloroform	0.3793 0.3669	0.3635 0.3644	0.3560 0.3604	0.3670	0.3733	Ave		0.3663				2.0		15.0			
1,1,1-Trichloroethane	0.2189 0.2858	0.2482 0.2899	0.2551 0.2936	0.2817	0.2930	Ave		0.2708			0.1000	10.0		15.0			
Cyclohexane	0.3607 0.4557	0.3740 0.4433	0.4181 0.4549	0.4281	0.4602	Ave		0.4244			0.1000	9.0		15.0			
1,1-Dichloropropene	0.2538 0.2590	0.2279 0.2603	0.2432 0.2586	0.2537	0.2648	Ave		0.2526				4.7		15.0			
Carbon tetrachloride	0.2240 0.2673	0.2104 0.2761	0.2209 0.2792	0.2498	0.2600	Ave		0.2485			0.1000	11.0		15.0			
1,2-Dichloroethane	0.3772 0.3589	0.3711 0.3447	0.3552 0.3402	0.3482	0.3652	Ave		0.3576			0.1000	3.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68830

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/14/2012 21:39 Calibration End Date: 12/15/2012 00:08 Calibration ID: 12843

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzene	0.8018 0.7826	0.7923 0.7817	0.7554 0.7581	0.7730	0.8159	Ave		0.7826			0.5000	2.6		15.0			
Trichloroethene	0.2184 0.2412	0.2372 0.2430	0.2287 0.2394	0.2410	0.2531	Ave		0.2378			0.2000	4.3		15.0			
Methylcyclohexane	0.2894 0.3578	0.3060 0.3439	0.3322 0.3501	0.3450	0.3614	Ave		0.3357			0.1000	7.6		15.0			
1,2-Dichloropropane	0.2140 0.2209	0.2239 0.2167	0.1985 0.2114	0.2110	0.2313	Ave		0.2160			0.1000	4.6		15.0			
Dibromomethane	0.1108 0.1331	0.1361 0.1260	0.1223 0.1239	0.1238	0.1363	Ave		0.1266				6.7		15.0			
1,4-Dioxane	0.0024 0.0023	0.0024 0.0022	0.0023 0.0020	0.0023	0.0026	Ave		0.0023				7.9		15.0			
Bromodichloromethane	0.2076 0.2621	0.2156 0.2678	0.2167 0.2696	0.2382	0.2657	Ave		0.2429			0.1000	11.0		15.0			
cis-1,3-Dichloropropene	+++++ 0.2914	0.2324 0.2990	0.2085 0.3052	0.2409	0.2820	Ave		0.2656			0.1500	14.0		15.0			
4-Methyl-2-pentanone (MIBK)	0.3540 0.3687	0.3409 0.3435	0.3347 0.3275	0.3382	0.3965	Ave		0.3505			0.0500	6.4		15.0			
Toluene	1.2108 1.2239	1.2863 1.2680	1.1703 1.2636	1.2366	1.2366	Ave		1.2370			0.4000	3.0		15.0			
trans-1,3-Dichloropropene	0.1979 0.3541	0.2189 0.3837	0.2500 0.3924	0.2901	0.3233	Lin1	-0.346	0.3829			0.1000				0.9970		0.9950
Ethyl methacrylate	0.2824 0.3861	0.2693 0.3829	0.2927 0.3759	0.3271	0.3760	Ave		0.3365				15.0		15.0			
1,1,2-Trichloroethane	0.2795 0.2613	0.2635 0.2545	0.2578 0.2523	0.2467	0.2575	Ave		0.2592			0.1000	3.8		15.0			
1,3-Dichloropropane	0.4195 0.4233	0.4267 0.4192	0.4017 0.4076	0.4094	0.4377	Ave		0.4181				2.8		15.0			
Tetrachloroethene	0.2362 0.2666	0.2687 0.2752	0.2561 0.2734	0.2572	0.2703	Ave		0.2630			0.2000	4.9		15.0			
2-Hexanone	0.2977 0.3512	0.3254 0.3331	0.3368 0.3145	0.3437	0.3728	Ave		0.3344			0.0500	6.9		15.0			
Dibromochloromethane	+++++ 0.3026	+++++ 0.3160	0.2359 0.3211	0.2513	0.2812	Ave		0.2847				12.0		15.0			
1,2-Dibromoethane	0.2227 0.2721	0.2293 0.2695	0.2416 0.2673	0.2610	0.2719	Ave		0.2544				7.9		15.0			
Chlorobenzene	0.8607 0.8291	0.8708 0.8500	0.8225 0.8474	0.8456	0.8447	Ave		0.8463			0.3000	1.8		15.0			
1,1,1,2-Tetrachloroethane	0.2049 0.3002	0.2570 0.3087	0.2414 0.3064	0.2725	0.2867	Ave		0.2722				13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68830

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/14/2012 21:39 Calibration End Date: 12/15/2012 00:08 Calibration ID: 12843

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethylbenzene	0.4166 0.4316	0.3855 0.4436	0.4257 0.4426	0.4175	0.4477	Ave		0.4263				4.8		15.0			
m-Xylene & p-Xylene	0.4532 0.5267	0.4937 0.5335	0.5001 0.5121	0.5291	0.5470	Ave		0.5119				5.8		15.0			
o-Xylene	0.4264 0.5036	0.4644 0.5031	0.4797 0.4853	0.5107	0.5282	Ave		0.4877				6.5		15.0			
Styrene	0.5980 0.8594	0.6951 0.8718	0.7241 0.8453	0.8251	0.8735	Ave		0.7865			0.3000	13.0		15.0			
Bromoform	0.1021 0.1821	0.1242 0.1852	0.1160 0.1959	0.1389	0.1601	Lin1	-0.167	0.1898			0.1000				0.9960		0.9950
Isopropylbenzene	0.9702 1.3112	1.1143 1.3420	1.2354 1.3284	1.2765	1.3238	Ave		1.2377			0.1000	11.0		15.0			
1,1,2,2-Tetrachloroethane	0.5854 0.5922	0.5595 0.5714	0.5733 0.5871	0.5666	0.5965	Ave		0.5790			0.3000	2.3		15.0			
Bromobenzene	0.6992 0.7336	0.7100 0.7503	0.6656 0.7386	0.7343	0.7501	Ave		0.7227				4.0		15.0			
1,2,3-Trichloropropane	0.2160 0.2220	0.2208 0.2142	0.2302 0.2145	0.2265	0.2451	Ave		0.2237				4.6		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2702	+++++ 0.2704	0.2164 0.2784	0.2030	0.2481	Ave		0.2478				13.0		15.0			
N-Propylbenzene	0.5456 0.7246	0.6195 0.7568	0.6400 0.7512	0.7000	0.7347	Ave		0.6841				11.0		15.0			
2-Chlorotoluene	0.5933 0.6467	0.6060 0.6609	0.6147 0.6579	0.6372	0.6344	Ave		0.6314				3.9		15.0			
1,3,5-Trimethylbenzene	1.5869 2.0781	1.7759 2.1901	1.8490 2.2070	2.0301	2.1287	Ave		1.9807				11.0		15.0			
4-Chlorotoluene	0.5993 0.6709	0.6037 0.6875	0.6555 0.6834	0.6862	0.6981	Ave		0.6606				5.8		15.0			
tert-Butylbenzene	1.5963 1.9222	1.6847 2.2024	1.7800 2.0764	1.8988	1.9213	Ave		1.8853				11.0		15.0			
1,2,4-Trimethylbenzene	1.5527 2.0695	1.7898 2.1832	1.9068 2.1867	2.0743	2.1190	Ave		1.9852				11.0		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0975	0.0838 0.1006	0.0826 0.1190	0.0809	0.0873	Ave		0.0931			0.0500	15.0		15.0			
sec-Butylbenzene	2.0320 2.5193	2.1820 2.6559	2.4860 2.7434	2.5689	2.6457	Ave		2.4792				10.0		15.0			
1,3-Dichlorobenzene	1.4017 1.2887	1.3063 1.3327	1.3087 1.3326	1.3456	1.3638	Ave		1.3350			0.6000	2.7		15.0			
4-Isopropyltoluene	1.5948 2.1349	1.8473 2.2671	2.0205 2.3218	2.1656	2.2681	Ave		2.0775				12.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68830

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/14/2012 21:39 Calibration End Date: 12/15/2012 00:08 Calibration ID: 12843

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dichlorobenzene	1.4739 1.3471	1.4451 1.3621	1.3712 1.3616	1.3760	1.3949	Ave		1.3915			0.5000	3.2		15.0			
n-Butylbenzene	1.6232 1.7407	1.5361 1.8150	1.6129 1.8872	1.7037	1.8024	Ave		1.7152				6.9		15.0			
1,2-Dichlorobenzene	1.2777 1.2063	1.2836 1.2174	1.2558 1.2387	1.2854	1.2601	Ave		1.2531			0.4000	2.4		15.0			
1,3,5-Trichlorobenzene	0.7905 0.6816	0.7609 0.7273	0.7943 0.8235	0.7915	0.7306	Ave		0.7625				6.1		15.0			
1,2,4-Trichlorobenzene	+++++ 0.5619	+++++ 0.6138	0.7009 0.6685	0.6632	0.6320	Ave		0.6400			0.2000	7.6		15.0			
Hexachlorobutadiene	+++++ 0.2035	+++++ 0.2264	0.3416 0.2799	0.3188	0.2847	Qua	1.5582	0.1494	0.0006						0.9990		0.9900
Naphthalene	+++++ 1.4310	+++++ 1.4932	1.5443 1.6096	1.5502	1.4843	Ave		1.5188				4.1		15.0			
1,2,3-Trichlorobenzene	0.7510 0.4294	0.7263 0.4658	0.7033 0.5270	0.6505	0.4919	Qua	1.3056	0.3832	0.0007						1.0000		0.9900
Dibromofluoromethane (Surr)	2.6587 0.2424	1.3335 0.2291	0.6822 0.2189	0.4167	0.3309	Qua	2.3439	0.2003	0						1.0000		0.9900
1,2-Dichloroethane-d4 (Surr)	3.4376 0.3049	1.6470 0.2851	0.8622 0.2776	0.5289	0.4240	Qua	3.0473	0.2453	0.0001						1.0000		0.9900
Toluene-d8 (Surr)	12.654 1.2095	6.2252 1.1706	3.3672 1.1209	2.0588	1.5487	Qua	10.755	1.0245	0.0002						1.0000		0.9900
4-Bromofluorobenzene (Surr)	4.3129 0.4116	2.2635 0.3983	1.2205 0.3789	0.7620	0.5856	Qua	4.1021	0.3463	0.0001						1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68830

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/14/2012 21:39 Calibration End Date: 12/15/2012 00:08 Calibration ID: 12843

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-68830/10	UX82463.D
Level 2	STD8260 240-68830/9	UX82462.D
Level 3	STD8260 240-68830/8	UX82461.D
Level 4	STD8260 240-68830/7	UX82460.D
Level 5	ICIS 240-68830/6	UX82459.D
Level 6	STD8260 240-68830/5	UX82458.D
Level 7	STD8260 240-68830/4	UX82457.D
Level 8	STD8260 240-68830/3	UX82456.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4205 311430	9663 611852	30487 1270008	63979	123828	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chloromethane	FB	Ave	9501 515300	19070 1056132	52180 2153802	108072	207125	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Vinyl chloride	FB	Ave	5532 322990	12402 636910	32681 1341758	67924	124705	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromomethane	FB	Ave	2744 174859	7117	18300	40273	73632	1.00 50.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 842	+++++ 3525	+++++ 12234	+++++	+++++	+++++ 100	+++++ 200	+++++ 400	+++++	+++++
Chloroethane	FB	Ave	3357 204335	6617 394155	19732	41941	82840	1.00 50.0	2.00 100	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	6491 408621	11788 925393	37965 1581244	80168	156393	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Acrolein	FB	Ave	20254 931490	36547 1791454	101546 3406306	188795	373314	10.0 500	20.0 1000	50.0 2000	100	200
1,1-Dichloroethene	FB	Ave	3787 279284	10567 579462	26281 1126666	56784	108113	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	3855 244381	8934 494708	24617 1018042	48309	100118	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Acetone	FB	Lin1	+++++ 447171	+++++ 860386	60989 1633375	95745	191394	+++++ 100	+++++ 200	10.0 400	20.0	40.0
Iodomethane	FB	Ave	9892 583934	23079 1197748	55747 2313370	115953	223961	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Carbon disulfide	FB	Ave	13368 851887	28154 1806874	69206 3601537	156505	308179	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Acetonitrile	FB	Ave	21154 836667	37469 1620104	88397 3081713	167937	347138	10.0 500	20.0 1000	50.0 2000	100	200
Methyl acetate	FB	Ave	21806 1080296	42676 2062705	104192 4098894	193930	423291	2.00 100	4.00 200	10.0 400	20.0	40.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68830

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/14/2012 21:39 Calibration End Date: 12/15/2012 00:08 Calibration ID: 12843

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methylene Chloride	FB	Lin1	+++++ 378792	25308 744460	45708 1441174	88594	154508	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Vinyl acetate	FB	Ave	+++++ 79658	+++++ 169414	6454 331307	14119	29167	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
2-Methyl-2-propanol	FB	Ave	16051 908520	32437 1650645	78857 2996934	155765	351518	20.0 1000	40.0 2000	100 4000	200	400
Acrylonitrile	FB	Ave	9036 448687	15673 882807	43775 1725018	84010	175823	2.00 100	4.00 200	10.0 400	20.0	40.0
Methyl tert-butyl ether	FB	Ave	18352 1057571	37777 2071258	92440 3960694	193657	394402	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	6596 351753	12605 707860	33510 1367139	69834	130335	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Hexane	FB	Ave	1439 94689	4007 192717	9551 396940	18422	37785	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1-Dichloroethane	FB	Ave	12273 651725	25466 1355011	62618 2662992	129073	247848	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Butanone (MEK)	FB	Ave	15276 658087	25577 1254437	64123 2436790	122850	263497	2.00 100	4.00 200	10.0 400	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	7364 394628	15535 796747	38317 1538554	78395	151087	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	4095 277781	8647 565716	27089 1063550	53157	108402	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromochloromethane	FB	Ave	4418 224669	9117 452766	21039 871731	43172	86021	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrahydrofuran	FB	Ave	4217 212011	7636 390404	19184 767655	36325	81189	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chloroform	FB	Ave	11995 614153	23517 1271764	59601 2481405	123380	233571	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	6923 478476	16058 1011855	42712 2021615	94708	183315	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Cyclohexane	FB	Ave	11405 762809	24197 1547354	70001 3131780	143923	287965	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1-Dichloropropene	FB	Ave	8025 433489	14744 908642	40716 1780341	85275	165693	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Carbon tetrachloride	FB	Ave	7082 447482	13611 963745	36978 1922094	83972	162718	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloroethane	FB	Ave	11928 600773	24007 1203185	59462 2342511	117052	228490	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Benzene	FB	Ave	25356 1310082	51253 2728638	126465 5219805	259865	510518	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Trichloroethene	FB	Ave	6905 403787	15346 848098	38291 1648440	81036	158376	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68830

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/14/2012 21:39 Calibration End Date: 12/15/2012 00:08 Calibration ID: 12843

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methylcyclohexane	FB	Ave	9150 599008	19792 1200390	55625 2410533	115979	226117	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloropropane	FB	Ave	6768 369766	14484 756212	33237 1455718	70920	144721	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dibromomethane	FB	Ave	3505 222852	8805 439800	20471 853019	41630	85318	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dioxane	FB	Ave	3840 193941	7790 375720	19297 684203	38849	81031	50.0 2500	100 5000	250 10000	500	1000
Bromodichloromethane	FB	Ave	6564 438807	13944 934674	36287 1856259	80069	166230	1.00 50.0	2.00 100	5.00 200	10.0	20.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 487781	15034 1043507	34913 2101396	80980	176449	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	22391 1234454	44103 2397597	112091 4509308	227419	496248	2.00 100	4.00 200	10.0 400	20.0	40.0
Toluene	CBZ	Ave	27891 1478221	60417 3077287	139500 5983723	296085	583478	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Lin1	4559 427722	10280 931198	29794 1858128	69466	152538	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl methacrylate	CBZ	Ave	6504 466308	12651 929161	34888 1780064	78323	177385	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	6437 315588	12379 617753	30733 1194990	59077	121471	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	9664 511254	20040 1017392	47881 1930269	98028	206503	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrachloroethene	CBZ	Ave	5441 321948	12623 667821	30523 1294762	61585	127548	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Hexanone	CBZ	Ave	13714 848272	30565 1616714	80280 2978847	164598	351837	2.00 100	4.00 200	10.0 400	20.0	40.0
Dibromochloromethane	CBZ	Ave	+++++ 365419	+++++ 766809	28115 1520645	60176	132695	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	5130 328687	10768 654029	28799 1265927	62494	128295	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chlorobenzene	CBZ	Ave	19826 1001366	40902 2062915	98034 4012683	202470	398530	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	4719 362542	12073 749127	28768 1450812	65252	135256	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethylbenzene	CBZ	Ave	9595 521306	18109 1076497	50740 2095936	99971	211226	1.00 50.0	2.00 100	5.00 200	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	20879 1272213	46383 2589492	119231 4850099	253364	516197	2.00 100	4.00 200	10.0 400	20.0	40.0
o-Xylene	CBZ	Ave	9822 608278	21812 1221034	57180 2298139	122271	249204	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68830

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/14/2012 21:39 Calibration End Date: 12/15/2012 00:08 Calibration ID: 12843

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Styrene	CBZ	Ave	13774 1037981	32650 2115845	86308 4002915	197558	412152	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromoform	CBZ	Lin1	2351 219895	5836 449582	13824 927474	33257	75545	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Isopropylbenzene	CBZ	Ave	22347 1583605	52337 3257078	147260 6290807	305625	624585	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	6760 355628	13136 676576	34623 1358646	69913	143498	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromobenzene	DCB	Ave	8075 440530	16668 888353	40198 1709302	90610	180435	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	2495 133286	5184 253637	13904 496412	27947	58969	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 162256	+++++ 320174	13072 644261	25047	59693	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
N-Propylbenzene	DCB	Ave	6301 435134	14544 896098	38655 1738376	86379	176731	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chlorotoluene	DCB	Ave	6852 388306	14227 782543	37122 1522409	78630	152620	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	18326 1247867	41692 2593118	111669 5107270	250502	512091	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Chlorotoluene	DCB	Ave	6921 402872	14172 813980	39587 1581380	84672	167928	1.00 50.0	2.00 100	5.00 200	10.0	20.0
tert-Butylbenzene	DCB	Ave	18435 1154238	39550 2607705	107505 4805077	234302	462196	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	17931 1242683	42017 2584908	115164 5060350	255949	509755	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 58561	1967 119137	4988 275406	9983	21003	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
sec-Butylbenzene	DCB	Ave	23467 1512788	51224 3144621	150144 6348651	316981	636460	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	16187 773849	30666 1577986	79037 3083734	166044	328085	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Isopropyltoluene	DCB	Ave	18417 1281944	43367 2684256	122026 5373070	267220	545607	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	17021 808904	33926 1612801	82811 3150987	169790	335554	1.00 50.0	2.00 100	5.00 200	10.0	20.0
n-Butylbenzene	DCB	Ave	18746 1045282	36061 2148990	97409 4367301	210231	433597	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	14755 724339	30135 1441390	75846 2866436	158604	303129	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	9129 409280	17864 861177	47970 1905721	97661	175758	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68830

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/14/2012 21:39 Calibration End Date: 12/15/2012 00:08 Calibration ID: 12843

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 337393	+++++ 726794	42331 1546915	81830	152036	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Hexachlorobutadiene	DCB	Qua	+++++ 122203	+++++ 268095	20628 647734	39335	68489	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Naphthalene	DCB	Ave	+++++ 859269	+++++ 1767970	93266 3724921	191289	357057	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Qua	8673 257851	17050 551471	42473 1219527	80269	118339	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dibromofluoromethane (Surr)	FB	Qua	84074 405833	86266 799704	114211 1507439	140078	207078	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Qua	108706 510390	106542 995184	144352 1911561	177794	265346	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Toluene-d8 (Surr)	CBZ	Qua	291487 1460822	292400 2840967	401361 5307777	492941	730693	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Bromofluorobenzene (Surr)	CBZ	Qua	99344 497097	106317 966727	145478 1794071	182458	276307	1.00 50.0	2.00 100	5.00 200	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82456.D
Lims ID: STD8260 L8 Client ID:
Inject. Date: 14-Dec-2012 21:39:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: 240-0015873-003
Misc. Info.: M21214A,8260SUX8,,402279 =M21214A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 68830 Lims Sample ID: 3
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\8260_8.m
Last Update: 15-Dec-2012 14:27:26 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: latat Date: 14-Dec-2012 22:04:33

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.147	5.158	-0.011	99	1721299	50.0	
* 2 Chlorobenzene-d5	117	7.678	7.678	0.0	98	1183865	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	99	578536	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.626	0.0	59	1507439	199.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.886	4.886	0.0	97	1911561	200.0	
$ 7 Toluene-d8 (Surr)	98	6.424	6.424	0.0	94	5307777	199.7	
$ 131 4-Bromofluorobenzene (Surr)	95	8.754	8.754	0.0	94	1794071	199.8	
12 Dichlorodifluoromethane	85	1.574	1.574	0.0	98	1270008	211.0	
13 Chloromethane	50	1.752	1.752	0.0	100	2153802	201.6	
14 Vinyl chloride	62	1.870	1.870	0.0	99	1341758	203.3	
15 Bromomethane	94	2.154	2.177	-0.023	90	360928	97.1	
16 Chloroethane	64	2.249	2.272	-0.023	93	523685	130.1	
18 Trichlorofluoromethane	101	2.485	2.509	-0.024	96	1581244	199.5	
20 Acrolein	56	2.828	2.840	-0.012	94	3406306	1745.6	
21 1,1-Dichloroethene	96	2.923	2.923	0.0	95	1126666	204.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.935	2.946	-0.011	91	1018042	206.4	
22 Acetone	43	2.958	2.958	0.0	94	1633375	391.2	
24 Iodomethane	142	3.041	3.053	-0.012	99	2313370	196.7	
26 Carbon disulfide	76	3.100	3.112	-0.012	98	3601537	221.5	
27 Acetonitrile	41	3.171	3.171	0.0	100	3081713	1688.2	
28 Methyl acetate	43	3.219	3.218	0.001	98	4098894	376.7	
30 Methylene Chloride	84	3.301	3.301	0.0	92	1441174	197.0	
31 2-Methyl-2-propanol	59	3.396	3.372	0.024	94	2996934	3520.9	
32 Acrylonitrile	53	3.479	3.479	0.0	97	1725018	383.3	
34 Methyl tert-butyl ether	73	3.514	3.514	0.0	86	3960694	194.9	
33 trans-1,2-Dichloroethene	96	3.514	3.526	-0.012	89	1367139	194.8	
35 Hexane	86	3.727	3.727	0.0	95	396940	205.4	
36 1,1-Dichloroethane	63	3.834	3.833	0.001	98	2662992	199.6	
37 Vinyl acetate	86	3.857	3.857	0.0	97	331307	212.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	4.271	4.271	0.0	87	1538554	191.8	
41 2-Butanone (MEK)	43	4.271	4.271	0.0	96	2436790	359.0	
43 2,2-Dichloropropane	77	4.271	4.283	-0.012	67	1063550	199.5	
47 Chlorobromomethane	128	4.449	4.449	0.001	92	871731	190.6	
48 Tetrahydrofuran	42	4.496	4.496	0.0	92	767655	187.0	
49 Chloroform	83	4.496	4.508	-0.012	99	2481405	196.8	
50 1,1,1-Trichloroethane	97	4.662	4.661	0.001	93	2021615	216.9	
51 Cyclohexane	56	4.721	4.721	0.0	97	3131780	214.4	
52 1,1-Dichloropropene	75	4.780	4.792	-0.012	81	1780341	204.7	
53 Carbon tetrachloride	117	4.792	4.803	-0.011	86	1922094	224.7	
55 Benzene	78	4.946	4.945	0.001	93	5219805	193.7	
56 1,2-Dichloroethane	62	4.946	4.945	0.001	61	2342511	190.3	
60 Trichloroethene	130	5.442	5.442	0.0	93	1648440	201.4	
63 Methylcyclohexane	83	5.608	5.608	0.0	93	2410533	208.6	
62 1,2-Dichloropropane	63	5.620	5.620	0.0	86	1455718	195.8	
65 Dibromomethane	93	5.703	5.714	-0.011	91	853019	195.8	
66 1,4-Dioxane	88	5.714	5.714	0.0	89	684203	8594.1	
67 Dichlorobromomethane	83	5.821	5.821	0.0	96	1856259	222.0	
69 2-Chloroethyl vinyl ether	63	6.046	6.045	0.001	73	12234	648.1	
70 cis-1,3-Dichloropropene	75	6.188	6.187	0.001	81	2101396	229.8	
71 4-Methyl-2-pentanone (MIBK)	43	6.294	6.306	-0.012	98	4509308	373.7	
72 Toluene	91	6.483	6.483	0.0	96	5983723	204.3	
73 trans-1,3-Dichloropropene	75	6.637	6.637	0.0	92	1858128	205.8	
74 Ethyl methacrylate	69	6.708	6.708	0.0	88	1780064	223.4	
75 1,1,2-Trichloroethane	97	6.803	6.802	0.001	94	1194990	194.8	
77 Tetrachloroethene	164	6.956	6.956	0.0	86	1294762	208.0	
76 1,3-Dichloropropane	76	6.956	6.956	0.0	92	1930269	195.0	
78 2-Hexanone	43	7.004	7.003	0.001	97	2978847	376.2	
79 Chlorodibromomethane	129	7.158	7.157	0.001	91	1520645	225.6	
123 Ethylene Dibromide	107	7.276	7.276	0.0	99	1265927	210.1	
82 Chlorobenzene	112	7.713	7.713	0.0	95	4012683	200.2	
83 1,1,1,2-Tetrachloroethane	131	7.773	7.772	0.001	92	1450812	225.1	
84 Ethylbenzene	106	7.796	7.796	0.0	98	2095936	207.6	
10 m-Xylene & p-Xylene	106	7.903	7.902	0.001	98	4850099	400.1	
85 o-Xylene	106	8.269	8.269	0.0	87	2298139	199.0	
86 Styrene	104	8.281	8.281	0.0	90	4002915	214.9	
87 Bromoform	173	8.459	8.458	0.001	98	927474	207.2	
88 Isopropylbenzene	105	8.612	8.612	0.0	96	6290807	214.7	
90 1,1,2,2-Tetrachloroethane	83	8.873	8.872	0.001	81	1358646	202.8	
91 Bromobenzene	156	8.908	8.908	0.0	87	1709302	204.4	
92 1,2,3-Trichloropropane	110	8.932	8.920	0.012	84	496412	191.8	
93 trans-1,4-Dichloro-2-butene	53	8.932	8.932	0.0	76	644261	224.7	
94 N-Propylbenzene	120	9.003	9.002	0.001	98	1738376	219.6	
95 2-Chlorotoluene	126	9.097	9.097	0.0	98	1522409	208.4	
96 1,3,5-Trimethylbenzene	105	9.168	9.168	0.0	92	5107270	222.8	
104 4-Chlorotoluene	126	9.192	9.192	0.0	97	1581380	206.9	
97 tert-Butylbenzene	119	9.488	9.487	0.001	86	4805077	220.3	
98 1,2,4-Trimethylbenzene	105	9.535	9.535	0.0	77	5060350	220.3	
99 sec-Butylbenzene	105	9.701	9.700	0.001	94	6348651	221.3	
100 1,3-Dichlorobenzene	146	9.819	9.819	0.0	91	3083734	199.6	
101 4-Isopropyltoluene	119	9.843	9.842	0.001	91	5373070	223.5	
102 1,4-Dichlorobenzene	146	9.902	9.901	0.001	96	3150987	195.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	10.233	10.233	0.0	98	4367301	220.1	
106 1,2-Dichlorobenzene	146	10.268	10.268	0.0	98	2866436	197.7	
107 1,2-Dibromo-3-Chloropropane	157	11.025	11.025	0.0	86	275406	255.6	
108 1,3,5-Trichlorobenzene	180	11.250	11.250	0.0	98	1905721	216.0	
109 1,2,4-Trichlorobenzene	180	11.853	11.853	0.0	92	1546915	208.9	
110 Hexachlorobutadiene	225	12.031	12.031	0.0	97	647734	200.0	
111 Naphthalene	128	12.102	12.102	0.0	97	3724921	212.0	
112 1,2,3-Trichlorobenzene	180	12.362	12.362	0.0	97	1219527	200.0	
S 136 Trihalomethanes, Total	1				0		851.6	
S 11 1,2-Dichloroethene, Total	96				0		386.6	
S 9 1,3-Dichloropropene, Total	75				0		435.6	
S 114 Xylenes, Total	106				0		599.2	

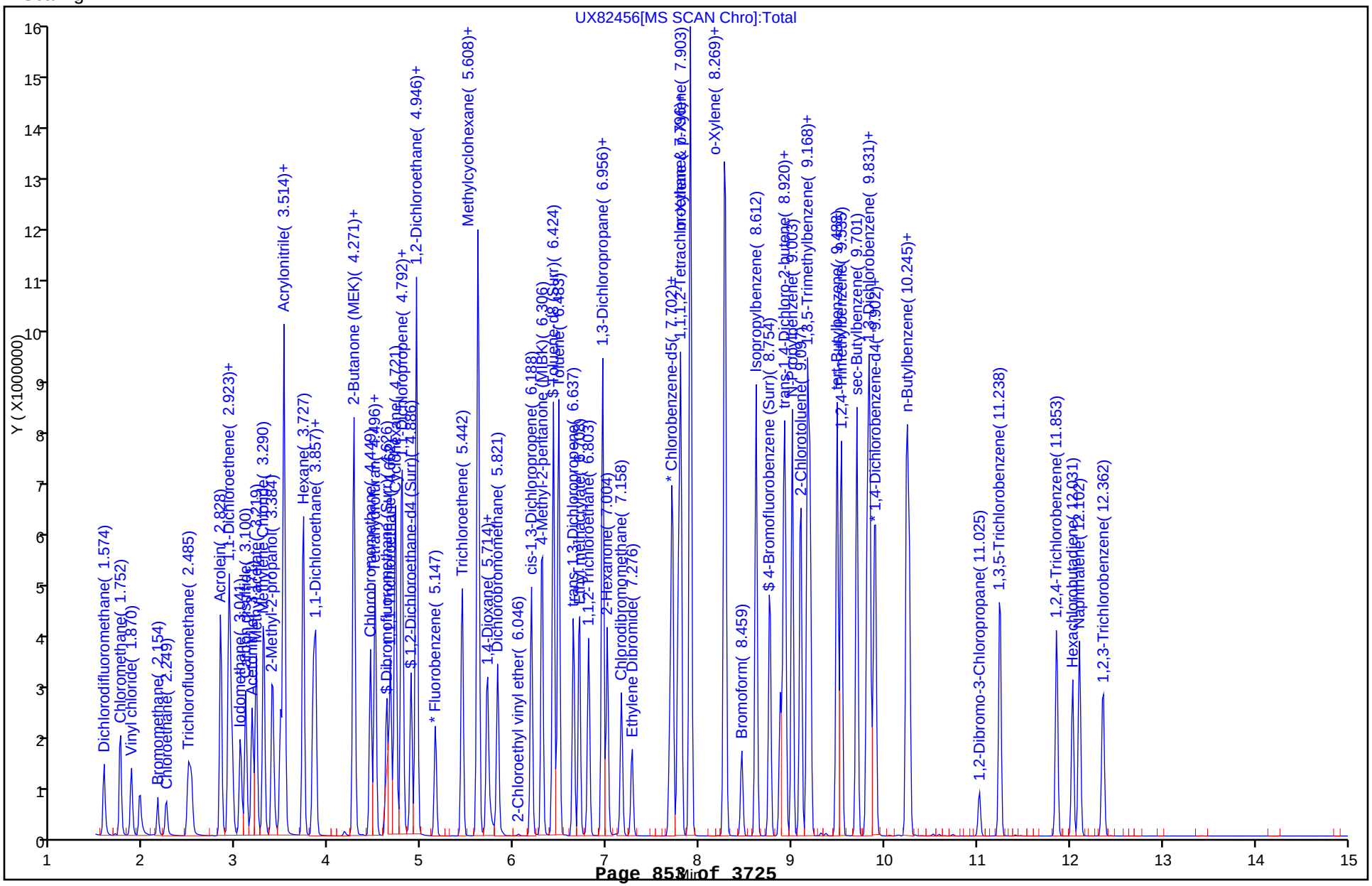
Report Date: 15-Dec-2012 14:27:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82456.D

Injection Date:	14-Dec-2012 21:39:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68830	Lims Sample ID:	3
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82457.D
Lims ID: STD8260 L7 Client ID:
Inject. Date: 14-Dec-2012 22:01:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: 240-0015873-004
Misc. Info.: M21214A,8260SUX8,,402279 =M21214A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 68830 Lims Sample ID: 4
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\8260_8.m
Last Update: 15-Dec-2012 14:27:27 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.155	5.158	-0.003	99	1745217	50.0	
* 2 Chlorobenzene-d5	117	7.686	7.678	0.008	93	1213478	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.874	9.878	-0.004	93	592007	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.622	4.626	-0.004	58	799704	100.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.883	4.886	-0.003	96	995184	100.3	
$ 7 Toluene-d8 (Surr)	98	6.420	6.424	-0.004	94	2840967	101.5	
$ 131 4-Bromofluorobenzene (Surr)	95	8.762	8.754	0.008	94	966727	101.3	
12 Dichlorodifluoromethane	85	1.571	1.574	-0.003	98	611852	100.3	
13 Chloromethane	50	1.748	1.752	-0.004	100	1056132	97.5	
14 Vinyl chloride	62	1.866	1.870	-0.004	99	636910	95.2	
15 Bromomethane	94	2.162	2.177	-0.015	93	251547	66.7	
16 Chloroethane	64	2.268	2.272	-0.004	95	394155	96.6	
18 Trichlorofluoromethane	101	2.493	2.509	-0.016	97	925393	115.2	
20 Acrolein	56	2.836	2.840	-0.004	93	1791454	905.5	
21 1,1-Dichloroethene	96	2.919	2.923	-0.004	95	579462	103.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.943	2.946	-0.003	90	494708	98.9	
22 Acetone	43	2.955	2.958	-0.003	94	860386	200.4	
24 Iodomethane	142	3.049	3.053	-0.004	99	1197748	100.4	
26 Carbon disulfide	76	3.108	3.112	-0.004	98	1806874	109.6	
27 Acetonitrile	41	3.167	3.171	-0.004	99	1620104	875.4	
28 Methyl acetate	43	3.215	3.218	-0.003	98	2062705	187.0	
30 Methylene Chloride	84	3.298	3.301	-0.003	92	744460	99.5	
31 2-Methyl-2-propanol	59	3.380	3.372	0.008	94	1650645	1912.7	
32 Acrylonitrile	53	3.475	3.479	-0.004	98	882807	193.5	
34 Methyl tert-butyl ether	73	3.522	3.514	0.008	88	2071258	100.5	
33 trans-1,2-Dichloroethene	96	3.522	3.526	-0.004	66	707860	99.5	
35 Hexane	86	3.723	3.727	-0.004	96	192717	98.4	
36 1,1-Dichloroethane	63	3.830	3.833	-0.003	98	1355011	100.2	
37 Vinyl acetate	86	3.854	3.857	-0.003	97	169414	107.3	
42 cis-1,2-Dichloroethene	96	4.268	4.271	-0.003	87	796747	98.0	
41 2-Butanone (MEK)	43	4.268	4.271	-0.003	95	1254437	182.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	4.279	4.283	-0.004	80	565716	104.7	
47 Chlorobromomethane	128	4.457	4.449	0.009	93	452766	97.6	
48 Tetrahydrofuran	42	4.492	4.496	-0.004	93	390404	93.8	
49 Chloroform	83	4.504	4.508	-0.004	98	1271764	99.5	
50 1,1,1-Trichloroethane	97	4.670	4.661	0.009	94	1011855	107.1	
51 Cyclohexane	56	4.717	4.721	-0.004	96	1547354	104.5	
52 1,1-Dichloropropene	75	4.788	4.792	-0.004	81	908642	103.0	
53 Carbon tetrachloride	117	4.800	4.803	-0.003	87	963745	111.1	
55 Benzene	78	4.942	4.945	-0.003	93	2728638	99.9	
56 1,2-Dichloroethane	62	4.942	4.945	-0.003	62	1203185	96.4	
60 Trichloroethene	130	5.439	5.442	-0.003	93	848098	102.2	
63 Methylcyclohexane	83	5.604	5.608	-0.004	92	1200390	102.4	
62 1,2-Dichloropropane	63	5.616	5.620	-0.004	82	756212	100.3	
65 Dibromomethane	93	5.711	5.714	-0.003	86	439800	99.6	
66 1,4-Dioxane	88	5.711	5.714	-0.003	70	375720	4654.6	
67 Dichlorobromomethane	83	5.829	5.821	0.008	97	934674	110.2	
69 2-Chloroethyl vinyl ether	63	6.054	6.045	0.009	13	3525	184.2	
70 cis-1,3-Dichloropropene	75	6.184	6.187	-0.003	80	1043507	112.6	
71 4-Methyl-2-pentanone (MIBK)	43	6.302	6.306	-0.004	98	2397597	196.0	
72 Toluene	91	6.479	6.483	-0.004	97	3077287	102.5	
73 trans-1,3-Dichloropropene	75	6.645	6.637	0.008	91	931198	101.1	
74 Ethyl methacrylate	69	6.704	6.708	-0.004	89	929161	113.8	
75 1,1,2-Trichloroethane	97	6.799	6.802	-0.003	95	617753	98.2	
77 Tetrachloroethene	164	6.953	6.956	-0.003	85	667821	104.6	
76 1,3-Dichloropropane	76	6.953	6.956	-0.003	91	1017392	100.3	
78 2-Hexanone	43	7.000	7.003	-0.003	97	1616714	199.2	
79 Chlorodibromomethane	129	7.154	7.157	-0.003	90	766809	111.0	
123 Ethylene Dibromide	107	7.272	7.276	-0.004	99	654029	105.9	
82 Chlorobenzene	112	7.710	7.713	-0.003	94	2062915	100.4	
83 1,1,1,2-Tetrachloroethane	131	7.769	7.772	-0.003	88	749127	113.4	
84 Ethylbenzene	106	7.804	7.796	0.008	98	1076497	104.0	
10 m-Xylene & p-Xylene	106	7.899	7.902	-0.003	98	2589492	208.4	
85 o-Xylene	106	8.266	8.269	-0.003	89	1221034	103.2	
86 Styrene	104	8.277	8.281	-0.004	90	2115845	110.8	
87 Bromoform	173	8.455	8.458	-0.003	97	449582	98.5	
88 Isopropylbenzene	105	8.609	8.612	-0.003	96	3257078	108.4	
90 1,1,2,2-Tetrachloroethane	83	8.869	8.872	-0.003	93	676576	98.7	
91 Bromobenzene	156	8.916	8.908	0.008	84	888353	103.8	
92 1,2,3-Trichloropropane	110	8.928	8.920	0.008	85	253637	95.8	
93 trans-1,4-Dichloro-2-butene	53	8.928	8.932	-0.004	75	320174	109.1	
94 N-Propylbenzene	120	8.999	9.002	-0.003	98	896098	110.6	
95 2-Chlorotoluene	126	9.094	9.097	-0.003	97	782543	104.7	
96 1,3,5-Trimethylbenzene	105	9.165	9.168	-0.003	84	2593118	110.6	
104 4-Chlorotoluene	126	9.200	9.192	0.008	96	813980	104.1	
97 tert-Butylbenzene	119	9.484	9.487	-0.003	93	2607705	116.8	
98 1,2,4-Trimethylbenzene	105	9.531	9.535	-0.004	73	2584908	110.0	
99 sec-Butylbenzene	105	9.697	9.700	-0.003	94	3144621	107.1	
100 1,3-Dichlorobenzene	146	9.815	9.819	-0.004	92	1577986	99.8	
101 4-Isopropyltoluene	119	9.839	9.842	-0.003	91	2684256	109.1	
102 1,4-Dichlorobenzene	146	9.898	9.901	-0.003	94	1612801	97.9	
105 n-Butylbenzene	91	10.241	10.233	0.008	97	2148990	105.8	
106 1,2-Dichlorobenzene	146	10.265	10.268	-0.003	98	1441390	97.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 1,2-Dibromo-3-Chloropropane	157	11.022	11.025	-0.003	80	119137	108.1	
108 1,3,5-Trichlorobenzene	180	11.246	11.250	-0.004	98	861177	95.4	
109 1,2,4-Trichlorobenzene	180	11.861	11.853	0.008	95	726794	95.9	
110 Hexachlorobutadiene	225	12.027	12.031	-0.004	97	268095	100.0	
111 Naphthalene	128	12.098	12.102	-0.004	97	1767970	98.3	
112 1,2,3-Trichlorobenzene	180	12.358	12.362	-0.004	97	551471	100.2	
S 136 Trihalomethanes, Total	1				0		419.2	
S 11 1,2-Dichloroethene, Total	96				0		197.4	
S 9 1,3-Dichloropropene, Total	75				0		213.7	
S 114 Xylenes, Total	106				0		311.6	

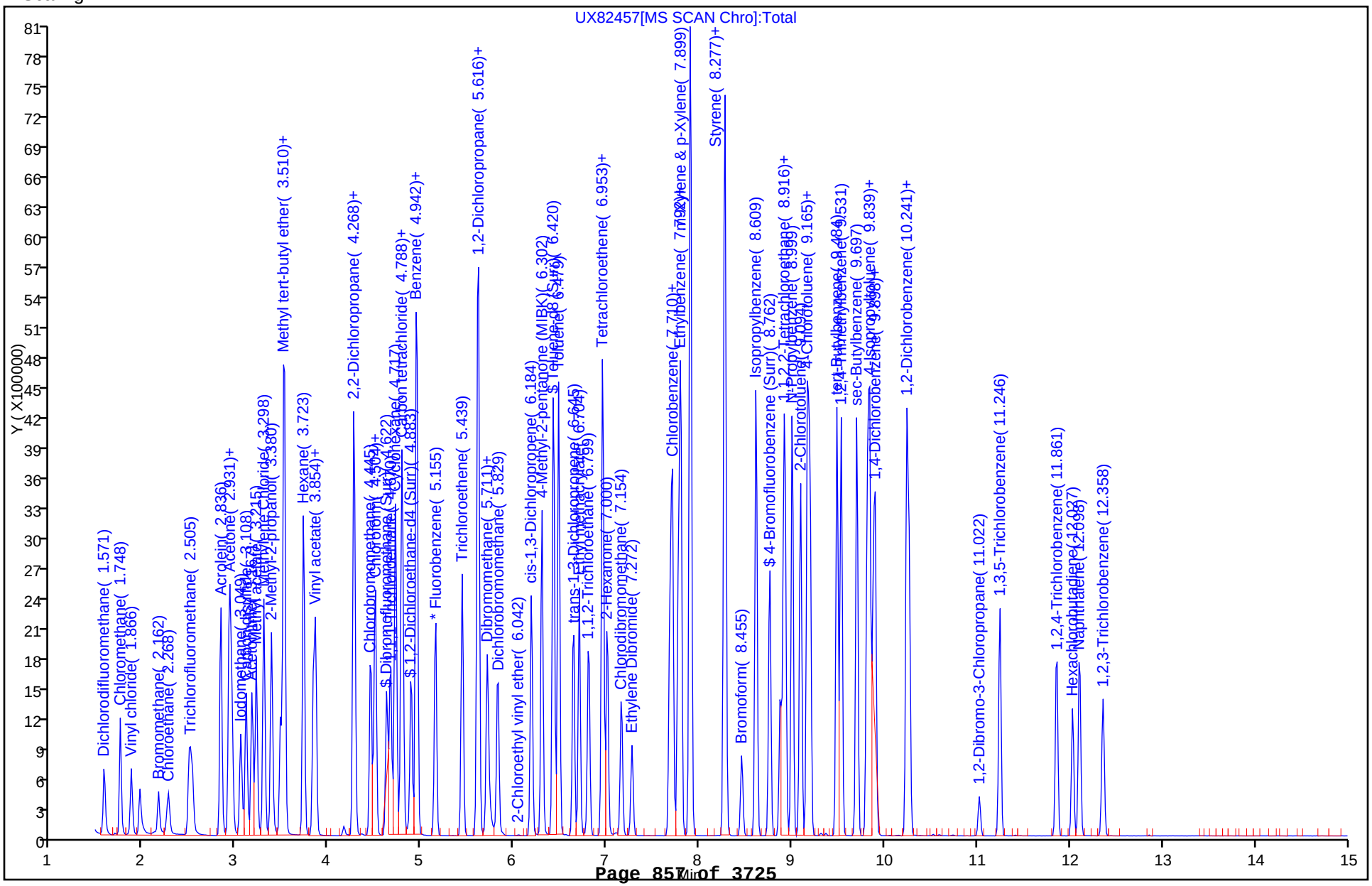
Report Date: 15-Dec-2012 14:27:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82457.D

Injection Date:	14-Dec-2012 22:01:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68830	Lims Sample ID:	4
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82458.D
Lims ID: STD8260 L6 Client ID:
Inject. Date: 14-Dec-2012 22:22:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015873-005
Misc. Info.: M21214A,8260SUX8,,402279 =M21214A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 68830 Lims Sample ID: 5
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\8260_8.m
Last Update: 15-Dec-2012 14:27:28 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.156	5.158	-0.002	100	1674004	50.0	
* 2 Chlorobenzene-d5	117	7.676	7.678	-0.002	97	1207792	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.876	9.878	-0.002	99	600480	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.624	4.626	-0.002	59	405833	48.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.884	4.886	-0.002	98	510390	48.9	
$ 7 Toluene-d8 (Surr)	98	6.422	6.424	-0.002	90	1460822	48.0	
$ 131 4-Bromofluorobenzene (Surr)	95	8.764	8.754	0.010	96	497097	47.2	
12 Dichlorodifluoromethane	85	1.572	1.574	-0.002	86	311430	53.2	
13 Chloromethane	50	1.749	1.752	-0.003	100	515300	49.6	
14 Vinyl chloride	62	1.868	1.870	-0.002	99	322990	50.3	
15 Bromomethane	94	2.175	2.177	-0.002	91	174859	48.4	
16 Chloroethane	64	2.282	2.272	0.010	95	204335	52.2	
18 Trichlorofluoromethane	101	2.506	2.509	-0.003	97	408621	53.0	
20 Acrolein	56	2.838	2.840	-0.002	93	931490	490.8	
21 1,1-Dichloroethene	96	2.932	2.923	0.009	96	279284	52.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.944	2.946	-0.002	89	244381	50.9	
22 Acetone	43	2.956	2.958	-0.002	96	447171	105.9	
24 Iodomethane	142	3.051	3.053	-0.002	98	583934	51.0	
26 Carbon disulfide	76	3.110	3.112	-0.002	99	851887	53.9	
27 Acetonitrile	41	3.169	3.171	-0.002	99	836667	471.3	
28 Methyl acetate	43	3.216	3.218	-0.002	98	1080296	102.1	
30 Methylene Chloride	84	3.299	3.301	-0.002	92	378792	51.9	
31 2-Methyl-2-propanol	59	3.382	3.372	0.010	93	908520	1097.5	
32 Acrylonitrile	53	3.476	3.479	-0.003	95	448687	102.5	
34 Methyl tert-butyl ether	73	3.524	3.514	0.010	88	1057571	53.5	
33 trans-1,2-Dichloroethene	96	3.524	3.526	-0.002	66	351753	51.5	
35 Hexane	86	3.737	3.727	0.010	96	94689	50.4	
36 1,1-Dichloroethane	63	3.831	3.833	-0.002	98	651725	50.2	
37 Vinyl acetate	86	3.855	3.857	-0.002	97	79658	52.6	
42 cis-1,2-Dichloroethene	96	4.269	4.271	-0.002	87	394628	50.6	
41 2-Butanone (MEK)	43	4.269	4.271	-0.002	95	658087	99.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	4.281	4.283	-0.002	77	277781	53.6	
47 Chlorobromomethane	128	4.458	4.449	0.010	93	224669	50.5	
48 Tetrahydrofuran	42	4.494	4.496	-0.002	92	212011	53.1	
49 Chloroform	83	4.505	4.508	-0.003	98	614153	50.1	
50 1,1,1-Trichloroethane	97	4.671	4.661	0.010	93	478476	52.8	
51 Cyclohexane	56	4.718	4.721	-0.003	96	762809	53.7	
52 1,1-Dichloropropene	75	4.789	4.792	-0.003	81	433489	51.2	
53 Carbon tetrachloride	117	4.801	4.803	-0.002	88	447482	53.8	
55 Benzene	78	4.943	4.945	-0.002	93	1310082	50.0	
56 1,2-Dichloroethane	62	4.943	4.945	-0.002	63	600773	50.2	
60 Trichloroethene	130	5.440	5.442	-0.002	93	403787	50.7	
63 Methylcyclohexane	83	5.606	5.608	-0.002	93	599008	53.3	
62 1,2-Dichloropropane	63	5.617	5.620	-0.003	87	369766	51.1	
65 Dibromomethane	93	5.712	5.714	-0.002	85	222852	52.6	
66 1,4-Dioxane	88	5.712	5.714	-0.002	72	193941	2504.9	
67 Dichlorobromomethane	83	5.818	5.821	-0.003	96	438807	54.0	
69 2-Chloroethyl vinyl ether	63	6.055	6.045	0.010	1	842	45.9	
70 cis-1,3-Dichloropropene	75	6.185	6.187	-0.002	80	487781	54.8	
71 4-Methyl-2-pentanone (MIBK)	43	6.303	6.306	-0.003	98	1234454	105.2	
72 Toluene	91	6.481	6.483	-0.002	95	1478221	49.5	
73 trans-1,3-Dichloropropene	75	6.646	6.637	0.009	96	427722	47.1	
74 Ethyl methacrylate	69	6.706	6.708	-0.002	88	466308	57.4	
75 1,1,2-Trichloroethane	97	6.800	6.802	-0.002	94	315588	50.4	
77 Tetrachloroethene	164	6.954	6.956	-0.002	82	321948	50.7	
76 1,3-Dichloropropane	76	6.954	6.956	-0.002	93	511254	50.6	
78 2-Hexanone	43	7.001	7.003	-0.002	97	848272	105.0	
79 Chlorodibromomethane	129	7.155	7.157	-0.002	90	365419	53.1	
123 Ethylene Dibromide	107	7.273	7.276	-0.003	98	328687	53.5	
82 Chlorobenzene	112	7.711	7.713	-0.002	93	1001366	49.0	
83 1,1,1,2-Tetrachloroethane	131	7.770	7.772	-0.002	87	362542	55.1	
84 Ethylbenzene	106	7.794	7.796	-0.002	98	521306	50.6	
10 m-Xylene & p-Xylene	106	7.900	7.902	-0.002	98	1272213	102.9	
85 o-Xylene	106	8.267	8.269	-0.002	88	608278	51.6	
86 Styrene	104	8.279	8.281	-0.002	87	1037981	54.6	
87 Bromoform	173	8.456	8.458	-0.002	97	219895	48.8	
88 Isopropylbenzene	105	8.610	8.612	-0.002	96	1583605	53.0	
90 1,1,2,2-Tetrachloroethane	83	8.870	8.872	-0.002	88	355628	51.1	
91 Bromobenzene	156	8.918	8.908	0.010	86	440530	50.8	
92 1,2,3-Trichloropropane	110	8.929	8.920	0.009	82	133286	49.6	
93 trans-1,4-Dichloro-2-butene	53	8.929	8.932	-0.003	74	162256	54.5	
94 N-Propylbenzene	120	9.000	9.002	-0.002	98	435134	53.0	
95 2-Chlorotoluene	126	9.095	9.097	-0.002	97	388306	51.2	
96 1,3,5-Trimethylbenzene	105	9.166	9.168	-0.002	85	1247867	52.5	
104 4-Chlorotoluene	126	9.190	9.192	-0.002	98	402872	50.8	
97 tert-Butylbenzene	119	9.485	9.487	-0.002	87	1154238	51.0	
98 1,2,4-Trimethylbenzene	105	9.533	9.535	-0.002	77	1242683	52.1	
99 sec-Butylbenzene	105	9.698	9.700	-0.002	94	1512788	50.8	
100 1,3-Dichlorobenzene	146	9.816	9.819	-0.003	85	773849	48.3	
101 4-Isopropyltoluene	119	9.840	9.842	-0.002	91	1281944	51.4	
102 1,4-Dichlorobenzene	146	9.899	9.901	-0.002	95	808904	48.4	
105 n-Butylbenzene	91	10.242	10.233	0.009	96	1045282	50.7	
106 1,2-Dichlorobenzene	146	10.266	10.268	-0.002	98	724339	48.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 1,2-Dibromo-3-Chloropropane	157	11.023	11.025	-0.002	71	58561	52.4	
108 1,3,5-Trichlorobenzene	180	11.248	11.250	-0.002	97	409280	44.7	
109 1,2,4-Trichlorobenzene	180	11.863	11.853	0.010	95	337393	43.9	
110 Hexachlorobutadiene	225	12.028	12.031	-0.003	95	122203	48.2	
111 Naphthalene	128	12.099	12.102	-0.003	97	859269	47.1	
112 1,2,3-Trichlorobenzene	180	12.360	12.362	-0.002	97	257851	48.4	
S 136 Trihalomethanes, Total	1				0		206.0	
S 11 1,2-Dichloroethene, Total	96				0		102.1	
S 9 1,3-Dichloropropene, Total	75				0		102.0	
S 114 Xylenes, Total	106				0		154.5	

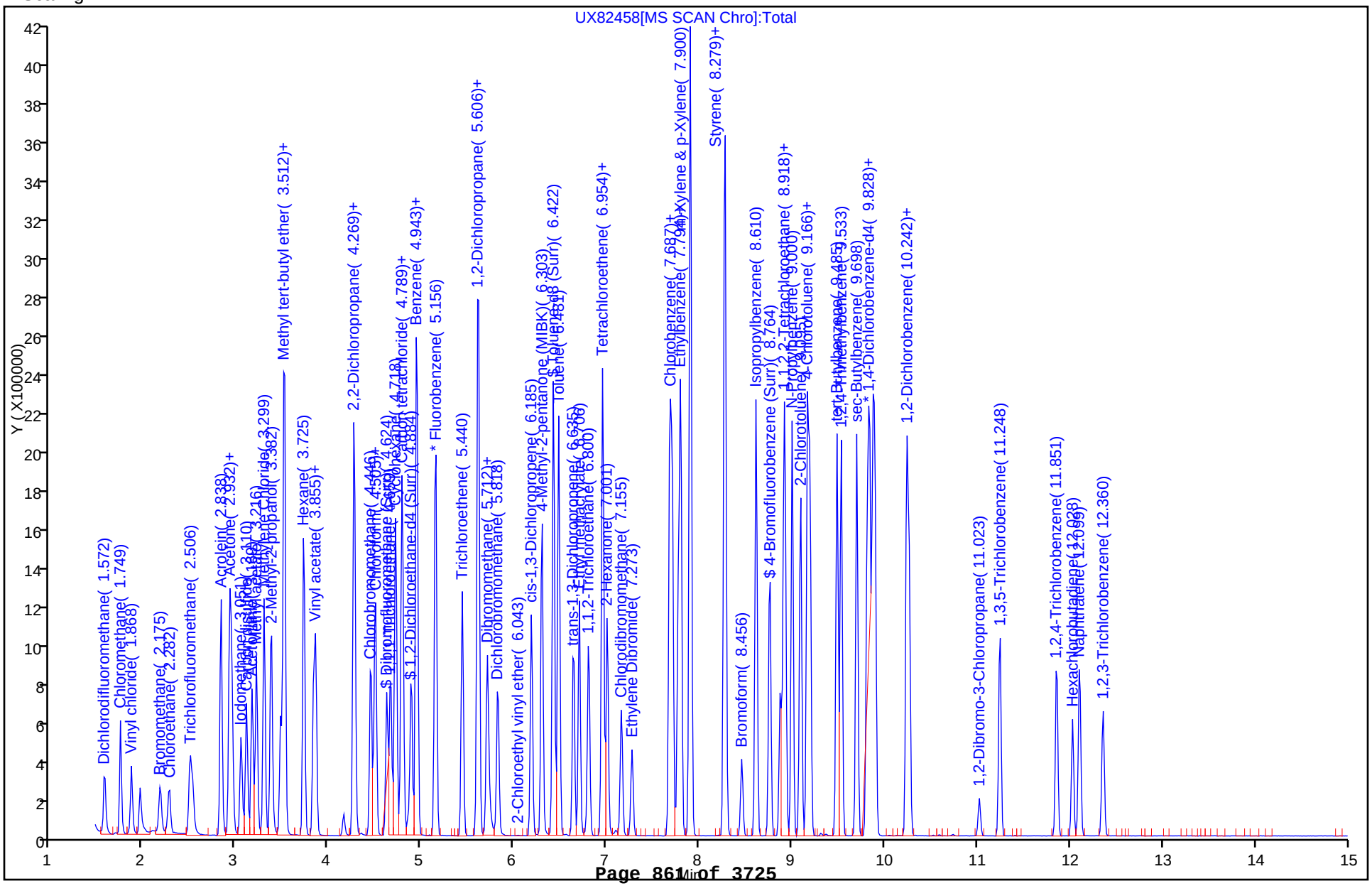
Report Date: 15-Dec-2012 14:27:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82458.D

Injection Date:	14-Dec-2012 22:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68830	Lims Sample ID:	5
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82459.D
Lims ID: ICIS L5 Client ID:
Inject. Date: 14-Dec-2012 22:43:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 5
Sample ID: 240-0015873-006
Misc. Info.: M21214A,8260SUX8,,402279 =M21214A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 68830 Lims Sample ID: 6
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\8260_8.m
Last Update: 15-Dec-2012 14:27:29 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: latat Date: 15-Dec-2012 01:12:48

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.158	5.158	0.0	99	1564357	50.0	
* 2 Chlorobenzene-d5	117	7.678	7.678	0.0	97	1179556	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	99	601402	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.626	0.0	59	207078	21.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.886	4.886	0.0	97	265346	22.0	
$ 7 Toluene-d8 (Surr)	98	6.424	6.424	0.0	94	730693	19.7	
$ 131 4-Bromofluorobenzene (Surr)	95	8.754	8.754	0.0	91	276307	21.9	
12 Dichlorodifluoromethane	85	1.574	1.574	0.0	96	123828	22.6	
13 Chloromethane	50	1.752	1.752	0.0	99	207125	21.3	
14 Vinyl chloride	62	1.870	1.870	0.0	83	124705	20.8	
15 Bromomethane	94	2.177	2.177	0.0	91	73632	21.8	
16 Chloroethane	64	2.272	2.272	0.0	95	82840	22.6	
18 Trichlorofluoromethane	101	2.509	2.509	0.0	94	156393	21.7	
20 Acrolein	56	2.840	2.840	0.0	93	373314	210.5	
21 1,1-Dichloroethene	96	2.923	2.923	0.0	87	108113	21.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.946	2.946	0.0	82	100118	22.3	
22 Acetone	43	2.958	2.958	0.0	97	191394	45.3	
24 Iodomethane	142	3.053	3.053	0.0	98	223961	21.0	
26 Carbon disulfide	76	3.112	3.112	0.0	98	308179	20.9	
27 Acetonitrile	41	3.171	3.171	0.0	99	347138	209.2	
28 Methyl acetate	43	3.218	3.218	0.0	98	423291	42.8	
30 Methylene Chloride	84	3.301	3.301	0.0	92	154508	21.6	
31 2-Methyl-2-propanol	59	3.372	3.372	0.0	93	351518	454.4	
32 Acrylonitrile	53	3.479	3.479	0.0	97	175823	43.0	
34 Methyl tert-butyl ether	73	3.514	3.514	0.0	86	394402	21.4	
33 trans-1,2-Dichloroethene	96	3.526	3.526	0.0	67	130335	20.4	
35 Hexane	86	3.727	3.727	0.0	95	37785	21.5	
36 1,1-Dichloroethane	63	3.833	3.833	0.0	98	247848	20.4	
37 Vinyl acetate	86	3.857	3.857	0.0	97	29167	20.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	4.271	4.271	0.0	87	151087	20.7	
41 2-Butanone (MEK)	43	4.271	4.271	0.0	96	263497	42.7	
43 2,2-Dichloropropane	77	4.283	4.283	0.0	75	108402	22.4	
47 Chlorobromomethane	128	4.449	4.449	0.0	87	86021	20.7	
48 Tetrahydrofuran	42	4.496	4.496	0.0	90	81189	21.8	
49 Chloroform	83	4.508	4.508	0.0	98	233571	20.4	
50 1,1,1-Trichloroethane	97	4.661	4.661	0.0	92	183315	21.6	
51 Cyclohexane	56	4.721	4.721	0.0	98	287965	21.7	
52 1,1-Dichloropropene	75	4.792	4.792	0.0	82	165693	21.0	
53 Carbon tetrachloride	117	4.803	4.803	0.0	87	162718	20.9	
55 Benzene	78	4.945	4.945	0.0	94	510518	20.8	
56 1,2-Dichloroethane	62	4.945	4.945	0.0	61	228490	20.4	
60 Trichloroethene	130	5.442	5.442	0.0	93	158376	21.3	
63 Methylcyclohexane	83	5.608	5.608	0.0	92	226117	21.5	
62 1,2-Dichloropropane	63	5.620	5.620	0.0	87	144721	21.4	
65 Dibromomethane	93	5.714	5.714	0.0	85	85318	21.5	
66 1,4-Dioxane	88	5.714	5.714	0.0	77	81031	1119.9	
67 Dichlorobromomethane	83	5.821	5.821	0.0	95	166230	21.9	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.187	6.187	0.0	80	176449	21.2	
71 4-Methyl-2-pentanone (MIBK)	43	6.306	6.306	0.0	97	496248	45.3	
72 Toluene	91	6.483	6.483	0.0	94	583478	20.0	
73 trans-1,3-Dichloropropene	75	6.637	6.637	0.0	92	152538	17.8	
74 Ethyl methacrylate	69	6.708	6.708	0.0	88	177385	22.3	
75 1,1,2-Trichloroethane	97	6.802	6.802	0.0	88	121471	19.9	
77 Tetrachloroethene	164	6.956	6.956	0.0	83	127548	20.6	
76 1,3-Dichloropropane	76	6.956	6.956	0.0	93	206503	20.9	
78 2-Hexanone	43	7.003	7.003	0.0	97	351837	44.6	
79 Chlorodibromomethane	129	7.157	7.157	0.0	90	132695	19.8	
123 Ethylene Dibromide	107	7.276	7.276	0.0	97	128295	21.4	
82 Chlorobenzene	112	7.713	7.713	0.0	90	398530	20.0	
83 1,1,1,2-Tetrachloroethane	131	7.772	7.772	0.0	87	135256	21.1	
84 Ethylbenzene	106	7.796	7.796	0.0	98	211226	21.0	
10 m-Xylene & p-Xylene	106	7.902	7.902	0.0	98	516197	42.7	
85 o-Xylene	106	8.269	8.269	0.0	87	249204	21.7	
86 Styrene	104	8.281	8.281	0.0	89	412152	22.2	
87 Bromoform	173	8.458	8.458	0.0	95	75545	17.7	
88 Isopropylbenzene	105	8.612	8.612	0.0	96	624585	21.4	
90 1,1,2,2-Tetrachloroethane	83	8.872	8.872	0.0	86	143498	20.6	
91 Bromobenzene	156	8.908	8.908	0.0	93	180435	20.8	
92 1,2,3-Trichloropropane	110	8.920	8.920	0.0	79	58969	21.9	
93 trans-1,4-Dichloro-2-butene	53	8.932	8.932	0.0	66	59693	20.0	
94 N-Propylbenzene	120	9.002	9.002	0.0	98	176731	21.5	
95 2-Chlorotoluene	126	9.097	9.097	0.0	97	152620	20.1	
96 1,3,5-Trimethylbenzene	105	9.168	9.168	0.0	93	512091	21.5	
104 4-Chlorotoluene	126	9.192	9.192	0.0	98	167928	21.1	
97 tert-Butylbenzene	119	9.487	9.487	0.0	91	462196	20.4	
98 1,2,4-Trimethylbenzene	105	9.535	9.535	0.0	85	509755	21.3	
99 sec-Butylbenzene	105	9.700	9.700	0.0	94	636460	21.3	
100 1,3-Dichlorobenzene	146	9.819	9.819	0.0	96	328085	20.4	
101 4-Isopropyltoluene	119	9.842	9.842	0.0	90	545607	21.8	
102 1,4-Dichlorobenzene	146	9.901	9.901	0.0	93	335554	20.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	10.233	10.233	0.0	97	433597	21.0	
106 1,2-Dichlorobenzene	146	10.268	10.268	0.0	97	303129	20.1	
107 1,2-Dibromo-3-Chloropropane	157	11.025	11.025	0.0	61	21003	18.8	
108 1,3,5-Trichlorobenzene	180	11.250	11.250	0.0	97	175758	19.2	
109 1,2,4-Trichlorobenzene	180	11.853	11.853	0.0	95	152036	19.7	
110 Hexachlorobutadiene	225	12.031	12.031	0.0	93	68489	25.1	
111 Naphthalene	128	12.102	12.102	0.0	96	357057	19.5	
112 1,2,3-Trichlorobenzene	180	12.362	12.362	0.0	95	118339	21.4	
S 136 Trihalomethanes, Total	1				0		79.8	
S 11 1,2-Dichloroethene, Total	96				0		41.2	
S 9 1,3-Dichloropropene, Total	75				0		39.0	
S 114 Xylenes, Total	106				0		64.4	

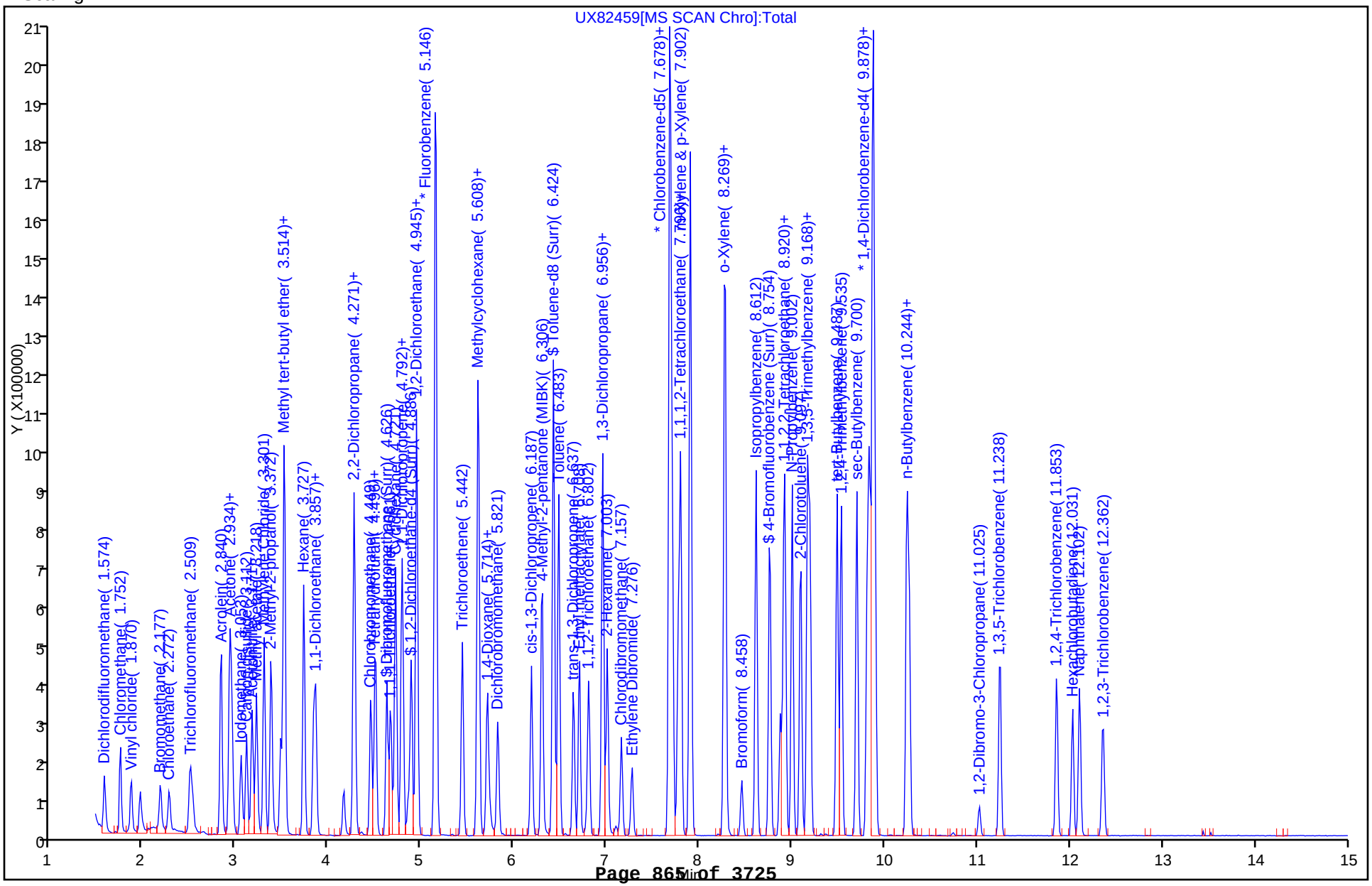
Report Date: 15-Dec-2012 14:27:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82459.D

Injection Date:	14-Dec-2012 22:43:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68830	Lims Sample ID:	6
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82460.D
Lims ID: STD8260 L4 Client ID:
Inject. Date: 14-Dec-2012 23:04:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015873-007
Misc. Info.: M21214A,8260SUX8,,402279 =M21214A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 68830 Lims Sample ID: 7
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\8260_8.m
Last Update: 15-Dec-2012 14:27:30 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.156	5.158	-0.002	99	1680905	50.0	
* 2 Chlorobenzene-d5	117	7.687	7.678	0.009	97	1197156	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.878	-0.003	99	616966	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.626	-0.003	58	140078	9.08	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.884	4.886	-0.002	95	177794	9.11	
$ 7 Toluene-d8 (Surr)	98	6.421	6.424	-0.003	93	492941	9.58	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.754	0.009	94	182458	10.1	
12 Dichlorodifluoromethane	85	1.583	1.574	0.009	94	63979	10.9	
13 Chloromethane	50	1.749	1.752	-0.003	99	108072	10.4	
14 Vinyl chloride	62	1.867	1.870	-0.003	97	67924	10.5	
15 Bromomethane	94	2.187	2.177	0.010	91	40273	11.1	
16 Chloroethane	64	2.281	2.272	0.009	93	41941	10.7	
18 Trichlorofluoromethane	101	2.506	2.509	-0.003	94	80168	10.4	
20 Acrolein	56	2.837	2.840	-0.003	93	188795	99.1	
21 1,1-Dichloroethene	96	2.932	2.923	0.009	94	56784	10.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.944	2.946	-0.002	78	48309	10.0	
22 Acetone	43	2.956	2.958	-0.002	95	95745	17.9	
24 Iodomethane	142	3.050	3.053	-0.003	99	115953	10.1	
26 Carbon disulfide	76	3.109	3.112	-0.003	98	156505	9.86	
27 Acetonitrile	41	3.169	3.171	-0.003	100	167937	94.2	
28 Methyl acetate	43	3.216	3.218	-0.002	97	193930	18.3	
30 Methylene Chloride	84	3.299	3.301	-0.002	93	88594	10.6	
31 2-Methyl-2-propanol	59	3.370	3.372	-0.002	92	155765	187.4	
32 Acrylonitrile	53	3.476	3.479	-0.003	96	84010	19.1	
34 Methyl tert-butyl ether	73	3.523	3.514	0.009	85	193657	9.76	
33 trans-1,2-Dichloroethene	96	3.523	3.526	-0.003	70	69834	10.2	
35 Hexane	86	3.736	3.727	0.009	96	18422	9.76	
36 1,1-Dichloroethane	63	3.831	3.833	-0.002	96	129073	9.91	
37 Vinyl acetate	86	3.866	3.857	0.009	97	14119	9.28	
42 cis-1,2-Dichloroethene	96	4.269	4.271	-0.002	88	78395	10.0	
41 2-Butanone (MEK)	43	4.269	4.271	-0.002	94	122850	18.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	4.280	4.283	-0.003	69	53157	10.2	
47 Chlorobromomethane	128	4.458	4.449	0.010	89	43172	9.67	
48 Tetrahydrofuran	42	4.493	4.496	-0.003	88	36325	9.06	
49 Chloroform	83	4.505	4.508	-0.003	98	123380	10.0	
50 1,1,1-Trichloroethane	97	4.671	4.661	0.010	91	94708	10.4	
51 Cyclohexane	56	4.718	4.721	-0.003	98	143923	10.1	
52 1,1-Dichloropropene	75	4.789	4.792	-0.003	78	85275	10.0	
53 Carbon tetrachloride	117	4.801	4.803	-0.002	81	83972	10.1	
55 Benzene	78	4.943	4.945	-0.002	93	259865	9.88	
56 1,2-Dichloroethane	62	4.943	4.945	-0.002	60	117052	9.74	
60 Trichloroethene	130	5.440	5.442	-0.002	91	81036	10.1	
63 Methylcyclohexane	83	5.605	5.608	-0.003	87	115979	10.3	
62 1,2-Dichloropropane	63	5.617	5.620	-0.003	77	70920	9.77	
65 Dibromomethane	93	5.712	5.714	-0.002	86	41630	9.79	
66 1,4-Dioxane	88	5.712	5.714	-0.002	80	38849	499.7	
67 Dichlorobromomethane	83	5.818	5.821	-0.003	93	80069	9.81	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.185	6.187	-0.002	70	80980	9.07	
71 4-Methyl-2-pentanone (MIBK)	43	6.303	6.306	-0.003	98	227419	19.3	
72 Toluene	91	6.481	6.483	-0.003	92	296085	10.0	
73 trans-1,3-Dichloropropene	75	6.646	6.637	0.009	88	69466	8.48	
74 Ethyl methacrylate	69	6.705	6.708	-0.003	88	78323	9.72	
75 1,1,2-Trichloroethane	97	6.800	6.802	-0.002	90	59077	9.52	
77 Tetrachloroethene	164	6.954	6.956	-0.002	82	61585	9.78	
76 1,3-Dichloropropane	76	6.954	6.956	-0.002	91	98028	9.79	
78 2-Hexanone	43	7.001	7.003	-0.002	96	164598	20.6	
79 Chlorodibromomethane	129	7.155	7.157	-0.002	83	60176	8.83	
123 Ethylene Dibromide	107	7.273	7.276	-0.003	91	62494	10.3	
82 Chlorobenzene	112	7.711	7.713	-0.002	93	202470	10.0	
83 1,1,1,2-Tetrachloroethane	131	7.770	7.772	-0.002	87	65252	10.0	
84 Ethylbenzene	106	7.793	7.796	-0.003	98	99971	9.79	
10 m-Xylene & p-Xylene	106	7.900	7.902	-0.002	97	253364	20.7	
85 o-Xylene	106	8.267	8.269	-0.002	88	122271	10.5	
86 Styrene	104	8.278	8.281	-0.003	88	197558	10.5	
87 Bromoform	173	8.456	8.458	-0.002	92	33257	8.20	
88 Isopropylbenzene	105	8.610	8.612	-0.002	95	305625	10.3	
90 1,1,2,2-Tetrachloroethane	83	8.870	8.872	-0.002	87	69913	9.79	
91 Bromobenzene	156	8.917	8.908	0.009	86	90610	10.2	
92 1,2,3-Trichloropropane	110	8.929	8.920	0.009	75	27947	10.1	
93 trans-1,4-Dichloro-2-butene	53	8.929	8.932	-0.003	56	25047	8.19	
94 N-Propylbenzene	120	9.000	9.002	-0.002	97	86379	10.2	
95 2-Chlorotoluene	126	9.095	9.097	-0.002	97	78630	10.1	
96 1,3,5-Trimethylbenzene	105	9.166	9.168	-0.002	87	250502	10.2	
104 4-Chlorotoluene	126	9.189	9.192	-0.003	97	84672	10.4	
97 tert-Butylbenzene	119	9.485	9.487	-0.002	90	234302	10.1	
98 1,2,4-Trimethylbenzene	105	9.532	9.535	-0.003	76	255949	10.4	
99 sec-Butylbenzene	105	9.698	9.700	-0.002	93	316981	10.4	
100 1,3-Dichlorobenzene	146	9.816	9.819	-0.003	95	166044	10.1	
101 4-Isopropyltoluene	119	9.840	9.842	-0.002	91	267220	10.4	
102 1,4-Dichlorobenzene	146	9.899	9.901	-0.002	91	169790	9.89	
105 n-Butylbenzene	91	10.242	10.233	0.009	95	210231	9.93	
106 1,2-Dichlorobenzene	146	10.266	10.268	-0.002	96	158604	10.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 1,2-Dibromo-3-Chloropropane	157	11.023	11.025	-0.002	28	9983	8.69	
108 1,3,5-Trichlorobenzene	180	11.247	11.250	-0.003	96	97661	10.4	
109 1,2,4-Trichlorobenzene	180	11.862	11.853	0.009	93	81830	10.4	
110 Hexachlorobutadiene	225	12.028	12.031	-0.003	88	39335	10.5	
111 Naphthalene	128	12.111	12.102	0.009	93	191289	10.2	
112 1,2,3-Trichlorobenzene	180	12.359	12.362	-0.003	92	80269	13.3	
S 136 Trihalomethanes, Total	1				0		36.8	
S 11 1,2-Dichloroethene, Total	96				0		20.2	
S 9 1,3-Dichloropropene, Total	75				0		17.5	
S 114 Xylenes, Total	106				0		31.1	

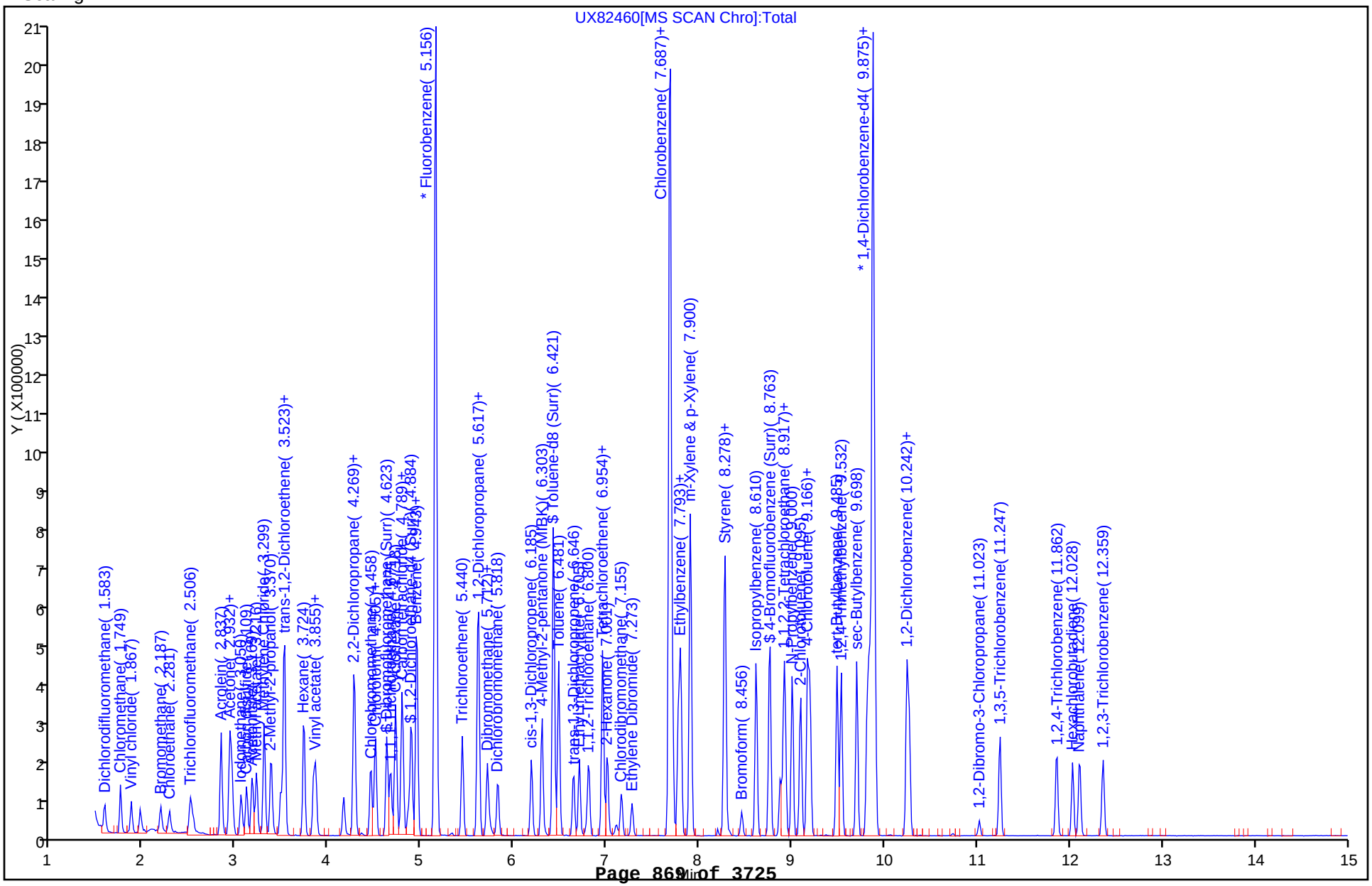
Report Date: 15-Dec-2012 14:27:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82460.D

Injection Date:	14-Dec-2012 23:04:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68830	Lims Sample ID:	7
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82461.D
Lims ID: STD8260 L3 Client ID:
Inject. Date: 14-Dec-2012 23:26:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015873-008
Misc. Info.: M21214A,8260SUX8,,402279 =M21214A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 68830 Lims Sample ID: 8
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\8260_8.m
Last Update: 15-Dec-2012 14:27:31 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.155	5.158	-0.003	100	1674252	50.0	
* 2 Chlorobenzene-d5	117	7.687	7.678	0.009	96	1191960	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.878	-0.003	99	603952	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.626	-0.003	57	114211	5.32	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.883	4.886	-0.003	95	144352	5.14	
$ 7 Toluene-d8 (Surr)	98	6.421	6.424	-0.003	94	401361	5.93	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.754	0.009	94	145478	5.77	
12 Dichlorodifluoromethane	85	1.583	1.574	0.009	87	30487	5.21	
13 Chloromethane	50	1.749	1.752	-0.003	89	52180	5.02	
14 Vinyl chloride	62	1.867	1.870	-0.003	91	32681	5.09	
15 Bromomethane	94	2.187	2.177	0.010	84	18300	5.06	
16 Chloroethane	64	2.281	2.272	0.009	77	19732	5.04	
18 Trichlorofluoromethane	101	2.506	2.509	-0.003	86	37965	4.93	
20 Acrolein	56	2.837	2.840	-0.003	90	101546	53.5	
21 1,1-Dichloroethene	96	2.932	2.923	0.009	92	26281	4.91	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.944	2.946	-0.002	75	24617	5.13	
22 Acetone	43	2.955	2.958	-0.003	92	60989	9.33	
24 Iodomethane	142	3.050	3.053	-0.003	97	55747	4.87	
26 Carbon disulfide	76	3.109	3.112	-0.003	96	69206	4.38	
27 Acetonitrile	41	3.168	3.171	-0.003	99	88397	49.8	
28 Methyl acetate	43	3.216	3.218	-0.002	97	104192	9.85	
30 Methylene Chloride	84	3.298	3.301	-0.003	91	45708	4.61	
31 2-Methyl-2-propanol	59	3.369	3.372	-0.003	87	78857	95.2	
32 Acrylonitrile	53	3.476	3.479	-0.003	96	43775	10.0	
34 Methyl tert-butyl ether	73	3.523	3.514	0.009	85	92440	4.68	
33 trans-1,2-Dichloroethene	96	3.523	3.526	-0.003	71	33510	4.91	
35 Hexane	86	3.736	3.727	0.009	96	9551	5.08	
36 1,1-Dichloroethane	63	3.831	3.833	-0.002	92	62618	4.83	
37 Vinyl acetate	86	3.854	3.857	-0.003	96	6454	4.26	
42 cis-1,2-Dichloroethene	96	4.268	4.271	-0.003	86	38317	4.91	
41 2-Butanone (MEK)	43	4.268	4.271	-0.003	93	64123	9.71	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	4.280	4.283	-0.003	64	27089	5.22	
47 Chlorobromomethane	128	4.458	4.449	0.010	84	21039	4.73	
48 Tetrahydrofuran	42	4.493	4.496	-0.003	84	19184	4.81	
49 Chloroform	83	4.505	4.508	-0.003	95	59601	4.86	
50 1,1,1-Trichloroethane	97	4.671	4.661	0.010	88	42712	4.71	
51 Cyclohexane	56	4.718	4.721	-0.003	96	70001	4.93	
52 1,1-Dichloropropene	75	4.789	4.792	-0.003	75	40716	4.81	
53 Carbon tetrachloride	117	4.801	4.803	-0.002	80	36978	4.44	
55 Benzene	78	4.954	4.945	0.009	92	126465	4.83	
56 1,2-Dichloroethane	62	4.943	4.945	-0.002	59	59462	4.97	
60 Trichloroethene	130	5.439	5.442	-0.003	86	38291	4.81	
63 Methylcyclohexane	83	5.605	5.608	-0.003	88	55625	4.95	
62 1,2-Dichloropropane	63	5.617	5.620	-0.003	75	33237	4.60	
65 Dibromomethane	93	5.711	5.714	-0.003	81	20471	4.83	
66 1,4-Dioxane	88	5.711	5.714	-0.003	72	19297	249.2	
67 Dichlorobromomethane	83	5.818	5.821	-0.003	83	36287	4.46	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.185	6.187	-0.002	61	34913	3.93	
71 4-Methyl-2-pentanone (MIBK)	43	6.303	6.306	-0.003	95	112091	9.55	
72 Toluene	91	6.480	6.483	-0.003	95	139500	4.73	
73 trans-1,3-Dichloropropene	75	6.646	6.637	0.009	76	29794	4.17	
74 Ethyl methacrylate	69	6.705	6.708	-0.003	79	34888	4.35	
75 1,1,2-Trichloroethane	97	6.800	6.802	-0.002	90	30733	4.97	
77 Tetrachloroethene	164	6.965	6.956	0.009	91	30523	4.87	
76 1,3-Dichloropropane	76	6.953	6.956	-0.003	86	47881	4.80	
78 2-Hexanone	43	7.001	7.003	-0.002	93	80280	10.1	
79 Chlorodibromomethane	129	7.155	7.157	-0.002	74	28115	4.14	
123 Ethylene Dibromide	107	7.273	7.276	-0.003	74	28799	4.75	
82 Chlorobenzene	112	7.710	7.713	-0.003	87	98034	4.86	
83 1,1,1,2-Tetrachloroethane	131	7.770	7.772	-0.002	64	28768	4.43	
84 Ethylbenzene	106	7.793	7.796	-0.003	97	50740	4.99	
10 m-Xylene & p-Xylene	106	7.900	7.902	-0.002	98	119231	9.77	
85 o-Xylene	106	8.266	8.269	-0.003	88	57180	4.92	
86 Styrene	104	8.278	8.281	-0.003	84	86308	4.60	
87 Bromoform	173	8.456	8.458	-0.002	76	13824	3.93	
88 Isopropylbenzene	105	8.609	8.612	-0.003	92	147260	4.99	
90 1,1,2,2-Tetrachloroethane	83	8.870	8.872	-0.002	86	34623	4.95	
91 Bromobenzene	156	8.917	8.908	0.009	86	40198	4.60	
92 1,2,3-Trichloropropane	110	8.929	8.920	0.009	70	13904	5.15	
93 trans-1,4-Dichloro-2-butene	53	8.929	8.932	-0.003	52	13072	4.37	
94 N-Propylbenzene	120	9.000	9.002	-0.002	97	38655	4.68	
95 2-Chlorotoluene	126	9.094	9.097	-0.003	95	37122	4.87	
96 1,3,5-Trimethylbenzene	105	9.165	9.168	-0.003	90	111669	4.67	
104 4-Chlorotoluene	126	9.189	9.192	-0.003	95	39587	4.96	
97 tert-Butylbenzene	119	9.485	9.487	-0.002	87	107505	4.72	
98 1,2,4-Trimethylbenzene	105	9.532	9.535	-0.003	73	115164	4.80	
99 sec-Butylbenzene	105	9.698	9.700	-0.002	89	150144	5.01	
100 1,3-Dichlorobenzene	146	9.816	9.819	-0.003	90	79037	4.90	
101 4-Isopropyltoluene	119	9.840	9.842	-0.002	83	122026	4.86	
102 1,4-Dichlorobenzene	146	9.899	9.901	-0.002	78	82811	4.93	
105 n-Butylbenzene	91	10.242	10.233	0.009	91	97409	4.70	
106 1,2-Dichlorobenzene	146	10.265	10.268	-0.003	94	75846	5.01	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 1,2-Dibromo-3-Chloropropane	157	11.022	11.025	-0.003	17	4988	4.44	
108 1,3,5-Trichlorobenzene	180	11.247	11.250	-0.003	90	47970	5.21	
109 1,2,4-Trichlorobenzene	180	11.862	11.853	0.009	83	42331	5.48	
110 Hexachlorobutadiene	225	12.028	12.031	-0.003	78	20628	1.00	
111 Naphthalene	128	12.111	12.102	0.009	89	93266	5.08	
112 1,2,3-Trichlorobenzene	180	12.359	12.362	-0.003	87	42473	5.71	
S 136 Trihalomethanes, Total	1				0		17.4	
S 11 1,2-Dichloroethene, Total	96				0		9.82	
S 9 1,3-Dichloropropene, Total	75				0		8.09	
S 114 Xylenes, Total	106				0		14.7	

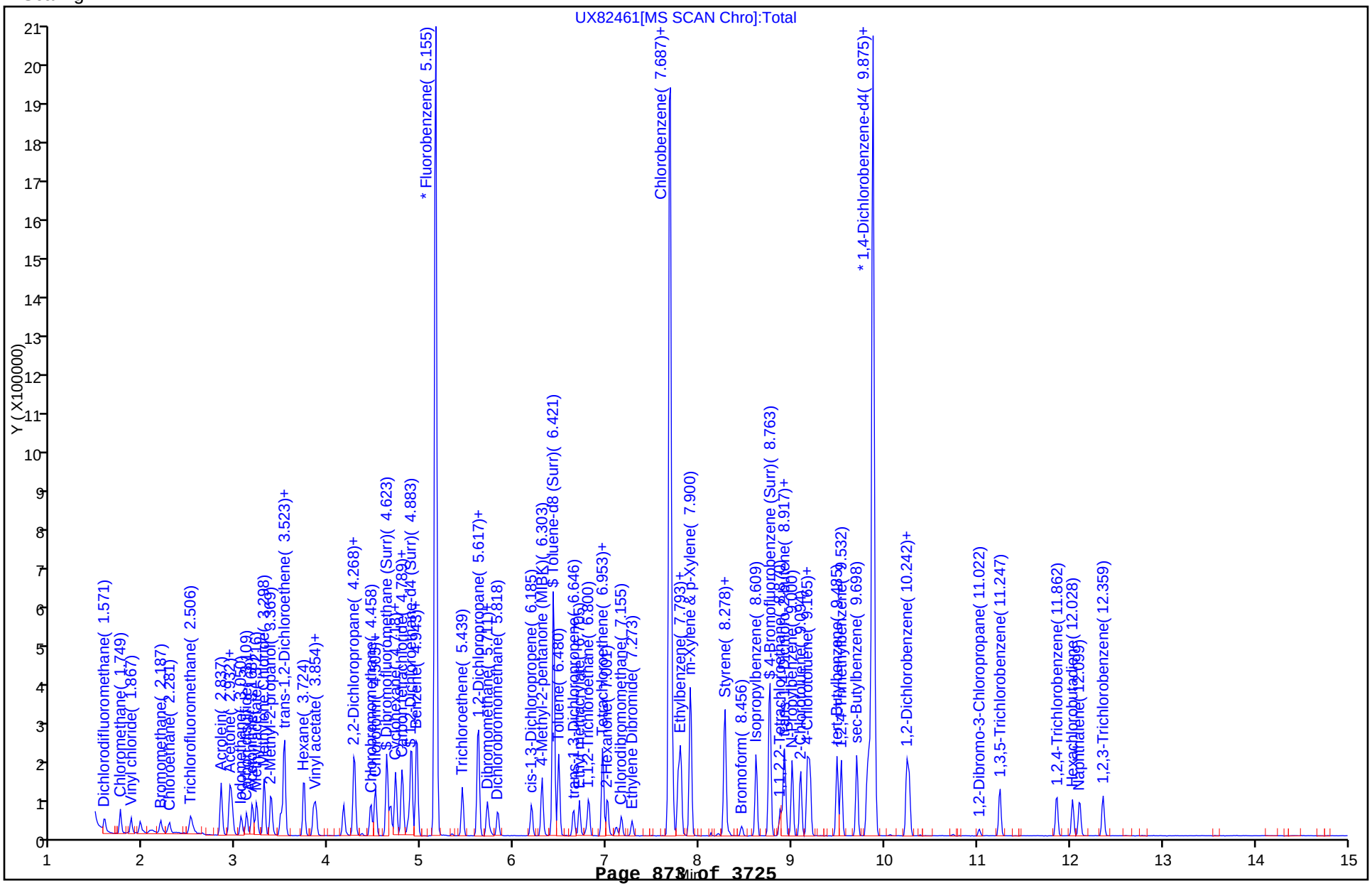
Report Date: 15-Dec-2012 14:27:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82461.D

Injection Date:	14-Dec-2012 23:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68830	Lims Sample ID:	8
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82462.D
Lims ID: STD8260 L2 Client ID:
Inject. Date: 14-Dec-2012 23:47:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015873-009
Misc. Info.: M21214A,8260SUX8,,402279 =M21214A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 68830 Lims Sample ID: 9
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\8260_8.m
Last Update: 15-Dec-2012 14:27:32 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: latat Date: 15-Dec-2012 00:34:46

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.159	5.158	0.001	100	1617242	50.0	
* 2 Chlorobenzene-d5	117	7.678	7.678	0.0	96	1174260	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	98	586902	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.626	0.0	55	86266	1.61	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.887	4.886	0.001	92	106542	1.01	
$ 7 Toluene-d8 (Surr)	98	6.424	6.424	0.0	93	292400	1.65	
$ 131 4-Bromofluorobenzene (Surr)	95	8.754	8.754	0.0	91	106317	1.23	
12 Dichlorodifluoromethane	85	1.586	1.574	0.012	58	9663	1.71	
13 Chloromethane	50	1.752	1.752	0.0	95	19070	1.90	
14 Vinyl chloride	62	1.870	1.870	0.0	53	12402	2.00	
15 Bromomethane	94	2.190	2.177	0.013	60	7117	2.04	
16 Chloroethane	64	2.284	2.272	0.012	59	6617	1.75	
18 Trichlorofluoromethane	101	2.509	2.509	0.0	68	11788	1.58	
20 Acrolein	56	2.840	2.840	0.0	87	36547	19.9	
21 1,1-Dichloroethene	96	2.935	2.923	0.012	80	10567	2.04	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.947	2.946	0.001	51	8934	1.93	
22 Acetone	43	2.958	2.958	0.0	87	32872	2.59	
24 Iodomethane	142	3.053	3.053	0.0	85	23079	2.09	
26 Carbon disulfide	76	3.112	3.112	0.0	88	28154	1.84	
27 Acetonitrile	41	3.171	3.171	0.0	99	37469	21.8	
28 Methyl acetate	43	3.219	3.218	0.001	95	42676	4.17	
30 Methylene Chloride	84	3.302	3.301	0.001	86	25308	1.84	
31 2-Methyl-2-propanol	59	3.372	3.372	0.0	80	32437	40.6	
32 Acrylonitrile	53	3.479	3.479	0.0	89	15673	3.71	
34 Methyl tert-butyl ether	73	3.514	3.514	0.0	84	37777	1.98	
33 trans-1,2-Dichloroethene	96	3.526	3.526	0.0	77	12605	1.91	
35 Hexane	86	3.739	3.727	0.012	83	4007	2.21	
36 1,1-Dichloroethane	63	3.834	3.833	0.001	69	25466	2.03	
37 Vinyl acetate	86	3.857	3.857	0.0	88	1805	1.23	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	4.271	4.271	0.0	83	15535	2.06	
41 2-Butanone (MEK)	43	4.271	4.271	0.0	91	25577	4.01	
43 2,2-Dichloropropane	77	4.283	4.283	0.0	56	8647	1.73	
47 Chlorobromomethane	128	4.461	4.449	0.013	71	9117	2.12	
48 Tetrahydrofuran	42	4.496	4.496	0.0	54	7636	1.98	
49 Chloroform	83	4.508	4.508	0.0	79	23517	1.98	
50 1,1,1-Trichloroethane	97	4.674	4.661	0.013	66	16058	1.83	
51 Cyclohexane	56	4.721	4.721	0.0	83	24197	1.76	
52 1,1-Dichloropropene	75	4.792	4.792	0.0	51	14744	1.80	
53 Carbon tetrachloride	117	4.804	4.803	0.001	77	13611	1.69	
55 Benzene	78	4.946	4.945	0.001	89	51253	2.02	
56 1,2-Dichloroethane	62	4.946	4.945	0.001	57	24007	2.08	
60 Trichloroethene	130	5.442	5.442	0.0	74	15346	2.00	
63 Methylcyclohexane	83	5.608	5.608	0.0	86	19792	1.82	
62 1,2-Dichloropropane	63	5.620	5.620	0.0	61	14484	2.07	
65 Dibromomethane	93	5.715	5.714	0.001	74	8805	2.15	
66 1,4-Dioxane	88	5.715	5.714	0.001	40	7790	104.1	
67 Dichlorobromomethane	83	5.821	5.821	0.0	75	13944	1.77	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.188	6.187	0.001	49	15034	1.75	
71 4-Methyl-2-pentanone (MIBK)	43	6.306	6.306	0.0	87	44103	3.89	
72 Toluene	91	6.483	6.483	0.0	84	60417	2.08	
73 trans-1,3-Dichloropropene	75	6.637	6.637	0.0	58	10280	2.05	
74 Ethyl methacrylate	69	6.708	6.708	0.0	66	12651	1.60	
75 1,1,2-Trichloroethane	97	6.803	6.802	0.001	79	12379	2.03	
77 Tetrachloroethene	164	6.957	6.956	0.001	77	12623	2.04	
76 1,3-Dichloropropane	76	6.957	6.956	0.001	69	20040	2.04	
78 2-Hexanone	43	7.004	7.003	0.001	88	30565	3.89	
79 Chlorodibromomethane	129	7.158	7.157	0.001	26	10237	1.53	
123 Ethylene Dibromide	107	7.276	7.276	0.0	50	10768	1.80	
82 Chlorobenzene	112	7.714	7.713	0.001	83	40902	2.06	
83 1,1,1,2-Tetrachloroethane	131	7.773	7.772	0.001	30	12073	1.89	
84 Ethylbenzene	106	7.796	7.796	0.0	94	18109	1.81	
10 m-Xylene & p-Xylene	106	7.903	7.902	0.001	96	46383	3.86	
85 o-Xylene	106	8.269	8.269	0.0	85	21812	1.90	
86 Styrene	104	8.281	8.281	0.0	80	32650	1.77	
87 Bromoform	173	8.459	8.458	0.001	41	5836	2.19	
88 Isopropylbenzene	105	8.613	8.612	0.0	82	52337	1.80	
90 1,1,2,2-Tetrachloroethane	83	8.873	8.872	0.001	71	13136	1.93	
91 Bromobenzene	156	8.908	8.908	0.0	80	16668	1.96	
92 1,2,3-Trichloropropane	110	8.920	8.920	0.0	52	5184	1.97	
93 trans-1,4-Dichloro-2-butene	53	8.932	8.932	0.0	12	4489	1.54	
94 N-Propylbenzene	120	9.003	9.002	0.001	86	14544	1.81	
95 2-Chlorotoluene	126	9.097	9.097	0.0	85	14227	1.92	
96 1,3,5-Trimethylbenzene	105	9.168	9.168	0.0	80	41692	1.79	
104 4-Chlorotoluene	126	9.192	9.192	0.0	84	14172	1.83	
97 tert-Butylbenzene	119	9.488	9.487	0.001	75	39550	1.79	
98 1,2,4-Trimethylbenzene	105	9.535	9.535	0.0	67	42017	1.80	
99 sec-Butylbenzene	105	9.701	9.700	0.001	71	51224	1.76	
100 1,3-Dichlorobenzene	146	9.819	9.819	0.0	75	30666	1.96	
101 4-Isopropyltoluene	119	9.843	9.842	0.001	65	43367	1.78	
102 1,4-Dichlorobenzene	146	9.902	9.901	0.001	72	33926	2.08	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	10.245	10.233	0.012	85	36061	1.79	
106 1,2-Dichlorobenzene	146	10.269	10.268	0.0	70	30135	2.05	
107 1,2-Dibromo-3-Chloropropane	157	11.026	11.025	0.001	1	1967	1.80	
108 1,3,5-Trichlorobenzene	180	11.250	11.250	0.0	67	17864	2.00	
109 1,2,4-Trichlorobenzene	180	11.854	11.853	0.001	52	17577	2.34	
110 Hexachlorobutadiene	225	12.031	12.031	0.0	42	8159	-5.92	
111 Naphthalene	128	12.102	12.102	0.0	69	36793	2.06	
112 1,2,3-Trichlorobenzene	180	12.362	12.362	0.0	64	17050	0.3832	
S 136 Trihalomethanes, Total	1				0		7.48	
S 11 1,2-Dichloroethene, Total	96				0		3.97	
S 9 1,3-Dichloropropene, Total	75				0		3.80	
S 114 Xylenes, Total	106				0		5.76	

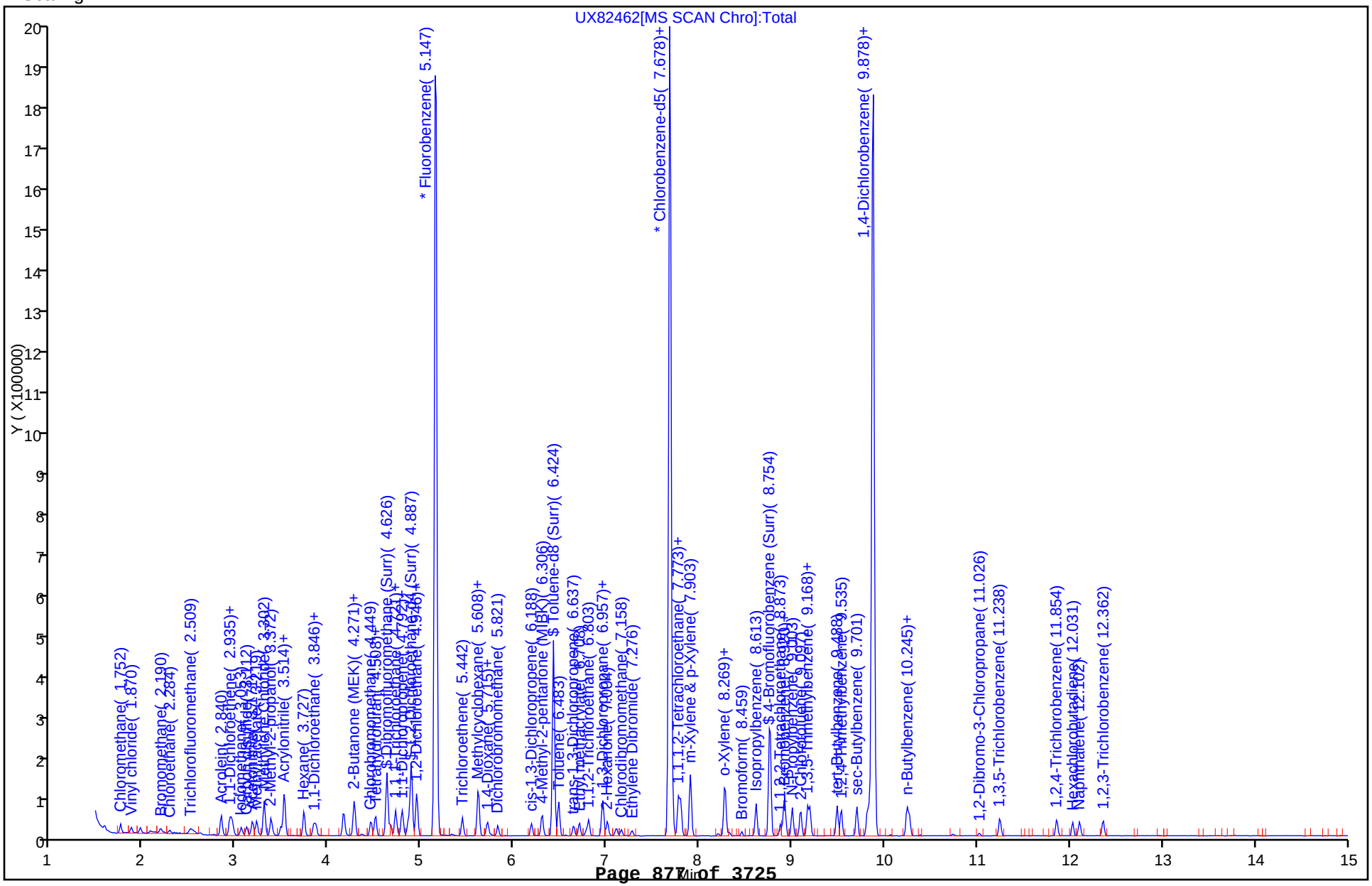
Report Date: 15-Dec-2012 14:27:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82462.D

Injection Date:	14-Dec-2012 23:47:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68830	Lims Sample ID:	9
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Lims ID: STD8260 L1 Client ID:
Inject. Date: 15-Dec-2012 00:08:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015873-010
Misc. Info.: M21214A,8260SUX8,,402279 =M21214A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 68830 Lims Sample ID: 10
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\8260_8.m
Last Update: 15-Dec-2012 14:27:33 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: latat Date: 15-Dec-2012 00:54:39

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.155	5.158	-0.003	99	1581124	50.0	
* 2 Chlorobenzene-d5	117	7.687	7.678	0.009	96	1151717	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.878	-0.003	98	577424	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.626	-0.003	56	84074	1.57	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.883	4.886	-0.003	93	108706	1.59	
$ 7 Toluene-d8 (Surr)	98	6.421	6.424	-0.003	93	291487	1.85	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.754	0.009	92	99344	0.6085	
12 Dichlorodifluoromethane	85	1.583	1.574	0.009	44	4205	0.7607	
13 Chloromethane	50	1.749	1.752	-0.003	70	9501	0.9682	
14 Vinyl chloride	62	1.867	1.870	-0.003	21	5532	0.9126	
15 Bromomethane	94	2.187	2.177	0.010	57	2744	0.8034	
16 Chloroethane	64	2.281	2.272	0.009	42	3357	0.9080	
18 Trichlorofluoromethane	101	2.506	2.509	-0.003	34	6491	0.8917	
20 Acrolein	56	2.837	2.840	-0.003	89	20254	11.3	
21 1,1-Dichloroethene	96	2.932	2.923	0.009	68	3787	0.7495	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.944	2.946	-0.002	19	3855	0.8508	
22 Acetone	43	2.955	2.958	-0.003	84	27735	1.43	
24 Iodomethane	142	3.050	3.053	-0.003	74	9892	0.9156	
26 Carbon disulfide	76	3.109	3.112	-0.003	88	13368	0.8949	
27 Acetonitrile	41	3.168	3.171	-0.003	94	21154	12.6	
28 Methyl acetate	43	3.216	3.218	-0.002	95	21806	2.18	
30 Methylene Chloride	84	3.298	3.301	-0.003	88	28277	2.37	
31 2-Methyl-2-propanol	59	3.369	3.372	-0.003	72	16051	20.5	
32 Acrylonitrile	53	3.476	3.479	-0.003	72	9036	2.19	
34 Methyl tert-butyl ether	73	3.523	3.514	0.009	79	18352	0.9830	
33 trans-1,2-Dichloroethene	96	3.523	3.526	-0.003	43	6596	1.02	
35 Hexane	86	3.736	3.727	0.009	80	1439	0.8106	
36 1,1-Dichloroethane	63	3.831	3.833	-0.002	19	12273	1.00	
37 Vinyl acetate	86		3.857					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	4.268	4.271	-0.003	61	7364	1.00	
41 2-Butanone (MEK)	43	4.268	4.271	-0.003	70	15276	2.45	
43 2,2-Dichloropropane	77	4.280	4.283	-0.003	34	4095	0.8363	
47 Chlorobromomethane	128	4.458	4.449	0.010	63	4418	1.05	
48 Tetrahydrofuran	42	4.493	4.496	-0.003	55	4217	1.12	
49 Chloroform	83	4.505	4.508	-0.003	63	11995	1.04	
50 1,1,1-Trichloroethane	97	4.671	4.661	0.010	45	6923	0.8085	
51 Cyclohexane	56	4.718	4.721	-0.003	79	11405	0.8499	
52 1,1-Dichloropropene	75	4.789	4.792	-0.003	33	8025	1.00	
53 Carbon tetrachloride	117	4.801	4.803	-0.002	59	7082	0.9014	
55 Benzene	78	4.954	4.945	0.009	92	25356	1.02	
56 1,2-Dichloroethane	62	4.954	4.945	0.009	36	11928	1.05	
60 Trichloroethene	130	5.439	5.442	-0.003	62	6905	0.9184	
63 Methylcyclohexane	83	5.617	5.608	0.009	60	9150	0.8619	
62 1,2-Dichloropropane	63	5.617	5.620	-0.003	45	6768	0.99	
65 Dibromomethane	93	5.711	5.714	-0.003	64	3505	0.8758	
66 1,4-Dioxane	88	5.711	5.714	-0.003	32	3840	52.5	
67 Dichlorobromomethane	83	5.818	5.821	-0.003	38	6564	0.8546	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.185	6.187	-0.002	36	6257	0.7449	
71 4-Methyl-2-pentanone (MIBK)	43	6.303	6.306	-0.003	82	22391	2.02	
72 Toluene	91	6.480	6.483	-0.003	79	27891	0.9788	
73 trans-1,3-Dichloropropene	75	6.646	6.637	0.009	38	4559	1.42	
74 Ethyl methacrylate	69	6.705	6.708	-0.003	49	6504	0.8390	
75 1,1,2-Trichloroethane	97	6.800	6.802	-0.002	40	6437	1.08	
77 Tetrachloroethene	164	6.965	6.956	0.009	65	5441	0.8983	
76 1,3-Dichloropropane	76	6.953	6.956	-0.003	56	9664	1.00	
78 2-Hexanone	43	7.001	7.003	-0.002	71	13714	1.78	
79 Chlorodibromomethane	129	7.155	7.157	-0.002	1	4684	0.7143	
123 Ethylene Dibromide	107	7.273	7.276	-0.003	42	5130	0.8753	
82 Chlorobenzene	112	7.710	7.713	-0.003	68	19826	1.02	
83 1,1,1,2-Tetrachloroethane	131	7.770	7.772	-0.002	10	4719	0.7526	
84 Ethylbenzene	106	7.793	7.796	-0.003	70	9595	0.9770	
10 m-Xylene & p-Xylene	106	7.912	7.902	0.010	92	20879	1.77	
85 o-Xylene	106	8.266	8.269	-0.003	75	9822	0.8744	
86 Styrene	104	8.278	8.281	-0.003	66	13774	0.7603	
87 Bromoform	173	8.456	8.458	-0.002	3	2351	1.42	
88 Isopropylbenzene	105	8.609	8.612	-0.003	59	22347	0.7838	
90 1,1,2,2-Tetrachloroethane	83	8.870	8.872	-0.002	4	6760	1.01	
91 Bromobenzene	156	8.917	8.908	0.009	65	8075	0.9675	
92 1,2,3-Trichloropropane	110	8.929	8.920	0.009	43	2495	0.9659	
93 trans-1,4-Dichloro-2-butene	53	8.929	8.932	-0.003	5	2239	0.7825	
94 N-Propylbenzene	120	9.000	9.002	-0.002	72	6301	0.7976	
95 2-Chlorotoluene	126	9.094	9.097	-0.003	68	6852	0.9397	
96 1,3,5-Trimethylbenzene	105	9.165	9.168	-0.003	27	18326	0.8012	
104 4-Chlorotoluene	126	9.201	9.192	0.009	51	6921	0.9073	
97 tert-Butylbenzene	119	9.485	9.487	-0.002	48	18435	0.8467	
98 1,2,4-Trimethylbenzene	105	9.532	9.535	-0.003	18	17931	0.7821	
99 sec-Butylbenzene	105	9.698	9.700	-0.002	41	23467	0.8197	
100 1,3-Dichlorobenzene	146	9.816	9.819	-0.003	1	16187	1.05	
101 4-Isopropyltoluene	119	9.840	9.842	-0.002	54	18417	0.7676	
102 1,4-Dichlorobenzene	146	9.899	9.901	-0.002	57	17021	1.06	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	10.242	10.233	0.009	66	18746	0.9464	
106 1,2-Dichlorobenzene	146	10.265	10.268	-0.003	54	14755	1.02	
107 1,2-Dibromo-3-Chloropropane	157		11.025					
108 1,3,5-Trichlorobenzene	180	11.247	11.250	-0.003	43	9129	1.04	
109 1,2,4-Trichlorobenzene	180	11.862	11.853	0.009	24	9519	1.29	
110 Hexachlorobutadiene	225	12.040	12.031	0.009	12	4059	-8.36	
111 Naphthalene	128	12.111	12.102	0.009	29	19540	1.11	
112 1,2,3-Trichlorobenzene	180	12.359	12.362	-0.003	35	8673	-1.45	
S 136 Trihalomethanes, Total	1				0		4.02	
S 11 1,2-Dichloroethene, Total	96				0		2.02	
S 9 1,3-Dichloropropene, Total	75				0		2.17	
S 114 Xylenes, Total	106				0		2.64	

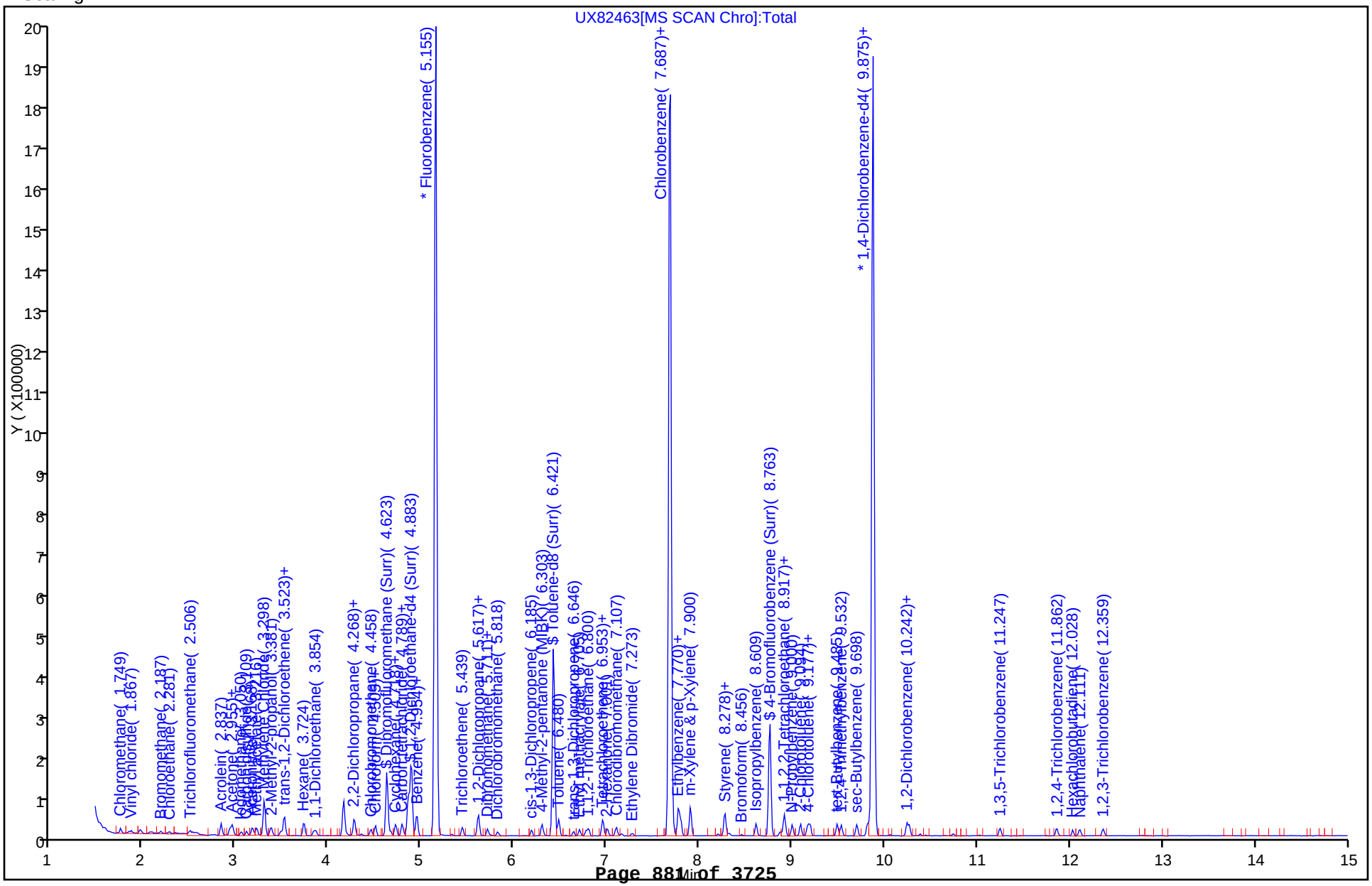
Report Date: 15-Dec-2012 14:27:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D

Injection Date:	15-Dec-2012 00:08:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68830	Lims Sample ID:	10
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-68124/14 Calibration Date: 12/11/2012 16:10

Instrument ID: A3UX11 Calib Start Date: 12/11/2012 11:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/11/2012 13:32

Lab File ID: UXJ8947.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1992	0.1466	0.1000	0.00736	0.0100	-26.4*	20.0
Chloromethane	Ave	0.1776	0.1669	0.1000	0.00940	0.0100	-6.0	20.0
Vinyl chloride	Ave	0.1848	0.1689	0.1000	0.00914	0.0100	-8.6	20.0
Bromomethane	Ave	0.0872	0.0753	0.0500	0.00864	0.0100	-13.6	20.0
Chloroethane	Ave	0.1028	0.0999	0.0500	0.00971	0.0100	-2.9	20.0
Trichlorofluoromethane	Ave	0.2122	0.1953	0.1000	0.00920	0.0100	-8.0	20.0
Acrolein	Ave	0.0276	0.0241		0.0262	0.0300	-12.8	20.0
Acetone	Qua		0.0516	0.0500	0.0160	0.0200	-20.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1244	0.1227	0.0500	0.00987	0.0100	-1.3	20.0
1,1-Dichloroethene	Ave	0.1773	0.1860	0.1000	0.0105	0.0100	4.9	20.0
Iodomethane	Ave	0.2094	0.2220		0.0106	0.0100	6.0	20.0
Carbon disulfide	Ave	0.4383	0.4558	0.1000	0.0104	0.0100	4.0	20.0
Acetonitrile	Ave	0.0177	0.0163		0.0277	0.0300	-7.8	20.0
Methyl acetate	Ave	0.1586	0.1469	0.1000	0.00926	0.0100	-7.4	20.0
Methylene Chloride	Ave	0.1976	0.1867	0.1000	0.00945	0.0100	-5.5	20.0
2-Methyl-2-propanol	Ave	0.0134	0.0132		0.197	0.200	-1.7	20.0
Acrylonitrile	Ave	0.0744	0.0702		0.0283	0.0300	-5.6	20.0
Methyl tert-butyl ether	Ave	0.7635	0.7793	0.1000	0.0102	0.0100	2.1	20.0
trans-1,2-Dichloroethene	Ave	0.2717	0.2801	0.1000	0.0103	0.0100	3.1	20.0
1,1-Dichloroethane	Ave	0.4437	0.4730	0.1000	0.0107	0.0100	6.6	20.0
Vinyl acetate	Ave	0.0548	0.0684		0.0125	0.0100	24.8*	20.0
2-Butanone (MEK)	Ave	0.0838	0.0795	0.0500	0.0190	0.0200	-5.1	20.0
cis-1,2-Dichloroethene	Ave	0.3185	0.3281	0.1000	0.0103	0.0100	3.0	20.0
2,2-Dichloropropane	Ave	0.1825	0.1799		0.00986	0.0100	-1.4	20.0
Bromochloromethane	Ave	0.1591	0.1662		0.0104	0.0100	4.4	20.0
Chloroform	Ave	0.5015	0.5069	0.2000	0.0101	0.0100	1.1	20.0
1,1,1-Trichloroethane	Ave	0.2792	0.2857	0.1000	0.0102	0.0100	2.3	20.0
Cyclohexane	Ave	0.2913	0.2561	0.1000	0.00879	0.0100	-12.1	20.0
1,1-Dichloropropene	Ave	0.3892	0.3920		0.0101	0.0100	0.7	20.0
Carbon tetrachloride	Ave	0.2691	0.2761	0.1000	0.0103	0.0100	2.6	20.0
1,2-Dichloroethane	Ave	0.3823	0.4028	0.1000	0.0105	0.0100	5.4	20.0
Benzene	Ave	1.160	1.212	0.5000	0.0104	0.0100	4.5	20.0
Trichloroethene	Ave	0.3318	0.3434	0.2000	0.0103	0.0100	3.5	20.0
1,2-Dichloropropane	Ave	0.2528	0.2711	0.1000	0.0107	0.0100	7.2	20.0
Methylcyclohexane	Ave	0.3462	0.2902	0.1000	0.00838	0.0100	-16.2	20.0
Dibromomethane	Ave	0.1506	0.1651		0.0110	0.0100	9.6	20.0
Bromodichloromethane	Ave	0.3528	0.3701	0.1000	0.0105	0.0100	4.9	20.0
cis-1,3-Dichloropropene	Ave	0.4252	0.4226	0.1500	0.00994	0.0100	-0.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1676	0.1672	0.0500	0.0200	0.0200	-0.2	20.0
Toluene	Ave	2.049	2.013	0.4000	0.00983	0.0100	-1.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-68124/14 Calibration Date: 12/11/2012 16:10

Instrument ID: A3UX11 Calib Start Date: 12/11/2012 11:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/11/2012 13:32

Lab File ID: UXJ8947.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.5893	0.5950	0.1000	0.0101	0.0100	1.0	20.0
1,1,2-Trichloroethane	Ave	0.3491	0.3582	0.1000	0.0103	0.0100	2.6	20.0
1,3-Dichloropropane	Ave	0.6006	0.6116		0.0102	0.0100	1.8	20.0
Tetrachloroethene	Ave	0.4179	0.4070	0.2000	0.00974	0.0100	-2.6	20.0
2-Hexanone	Ave	0.1613	0.1596	0.0500	0.0198	0.0200	-1.0	20.0
Dibromochloromethane	Ave	0.3845	0.3878		0.0101	0.0100	0.9	20.0
1,2-Dibromoethane	Ave	0.3239	0.3324		0.0103	0.0100	2.6	20.0
Chlorobenzene	Ave	1.066	1.087	0.3000	0.0102	0.0100	2.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3864	0.3989		0.0103	0.0100	3.2	20.0
Ethylbenzene	Ave	0.5811	0.5834		0.0100	0.0100	0.4	20.0
m-Xylene & p-Xylene	Ave	0.6755	0.6861		0.0203	0.0200	1.6	20.0
o-Xylene	Ave	0.5956	0.6240		0.0105	0.0100	4.8	20.0
Styrene	Ave	0.9515	1.017	0.3000	0.0107	0.0100	6.9	20.0
Bromoform	Ave	0.1687	0.1689	0.1000	0.0100	0.0100	0.1	20.0
Isopropylbenzene	Ave	1.339	1.337	0.1000	0.00998	0.0100	-0.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6088	0.5758	0.3000	0.00946	0.0100	-5.4	20.0
Bromobenzene	Ave	0.9156	0.9379		0.0102	0.0100	2.4	20.0
1,2,3-Trichloropropane	Ave	0.2187	0.2170		0.00992	0.0100	-0.8	20.0
N-Propylbenzene	Ave	0.8055	0.8488		0.0105	0.0100	5.4	20.0
2-Chlorotoluene	Ave	0.7252	0.6965		0.00960	0.0100	-4.0	20.0
1,3,5-Trimethylbenzene	Ave	2.303	2.266		0.00984	0.0100	-1.6	20.0
4-Chlorotoluene	Ave	0.7502	0.7495		0.00999	0.0100	-0.1	20.0
tert-Butylbenzene	Ave	1.971	1.955		0.00992	0.0100	-0.8	20.0
1,2,4-Trimethylbenzene	Ave	2.391	2.315		0.00968	0.0100	-3.2	20.0
sec-Butylbenzene	Ave	2.605	2.442		0.00937	0.0100	-6.3	20.0
1,3-Dichlorobenzene	Ave	1.533	1.507	0.6000	0.00983	0.0100	-1.7	20.0
4-Isopropyltoluene	Ave	2.301	2.265		0.00985	0.0100	-1.5	20.0
1,4-Dichlorobenzene	Ave	1.619	1.548	0.5000	0.00956	0.0100	-4.4	20.0
n-Butylbenzene	Ave	1.940	1.772		0.00913	0.0100	-8.7	20.0
1,2-Dichlorobenzene	Ave	1.518	1.467	0.4000	0.00967	0.0100	-3.3	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1238	0.1199	0.0500	0.00968	0.0100	-3.2	20.0
1,2,4-Trichlorobenzene	Qua		0.6474	0.2000	0.00817	0.0100	-18.3	20.0
Hexachlorobutadiene	Qua		0.3873		0.00825	0.0100	-17.5	20.0
Naphthalene	Qua		1.117		0.00619	0.0100	-38.1*	20.0
1,2,3-Trichlorobenzene	Ave	0.6214	0.4343		0.00699	0.0100	-30.1*	20.0
Dibromofluoromethane (Surr)	Ave	0.2737	0.2628		0.00801	0.00834	-4.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3174	0.2959		0.00778	0.00834	-6.8	20.0
Toluene-d8 (Surr)	Ave	1.713	1.630		0.00794	0.00834	-4.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3425	0.3444		0.00839	0.00834	0.5	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8947.D
Lims ID: ICV Client ID:
Inject. Date: 11-Dec-2012 16:10:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015710-014
Misc. Info.: J21211A-IC,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 68124 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\8260_11.m
Last Update: 12-Dec-2012 08:23:32 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: evansle Date: 12-Dec-2012 08:00:58

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1322071	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	81	827987	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	84	310940	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	92	289706	8.01	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	87	326240	7.78	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	83	1125547	7.94	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	90	237789	8.39	
8 Dichlorodifluoromethane	85	1.553	1.554	-0.001	86	193870	7.36	
9 Chloromethane	50	1.695	1.695	0.0	88	220629	9.40	
10 Vinyl chloride	62	1.790	1.790	0.0	83	223281	9.14	
11 Bromomethane	94	2.074	2.074	0.0	88	99534	8.64	
12 Chloroethane	64	2.157	2.157	0.0	97	132020	9.71	
14 Trichlorofluoromethane	101	2.358	2.358	0.0	96	258195	9.20	
15 Ethyl ether	59	2.559	2.559	0.0	87	306689	10.7	
16 Acrolein	56	2.654	2.654	0.0	88	95423	26.2	
17 Acetone	43	2.772	2.772	0.0	53	136387	16.0	
19 1,1-Dichloroethene	96	2.784	2.784	0.0	90	245843	10.5	
18 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.784	2.784	0.0	63	162275	9.87	
21 Iodomethane	142	2.914	2.914	0.0	98	293485	10.6	
23 Carbon disulfide	76	2.973	2.973	0.0	99	602617	10.4	
24 Acetonitrile	41	2.997	2.997	0.0	94	64633	27.7	
25 Methyl acetate	43	3.044	3.044	0.0	89	194157	9.26	
26 Methylene Chloride	84	3.163	3.163	0.0	76	246827	9.45	
27 2-Methyl-2-propanol	59	3.210	3.210	0.0	98	349467	196.6	
28 Acrylonitrile	53	3.316	3.317	-0.001	96	278579	28.3	
30 Methyl tert-butyl ether	73	3.364	3.364	0.0	87	1030255	10.2	
29 trans-1,2-Dichloroethene	96	3.364	3.364	0.0	58	370331	10.3	
31 Hexane	86	3.589	3.589	0.0	92	76988	9.22	
32 1,1-Dichloroethane	63	3.695	3.695	0.0	85	625367	10.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
33 Vinyl acetate	86	3.731	3.731	0.0	97	90471	12.5	
34 Isopropyl ether	87	3.754	3.754	0.0	93	376824	10.3	
40 cis-1,2-Dichloroethene	96	4.168	4.169	-0.001	68	433712	10.3	
38 2-Butanone (MEK)	43	4.168	4.169	-0.001	53	210236	19.0	
39 2,2-Dichloropropane	77	4.180	4.180	0.0	75	237877	9.86	
43 Chlorobromomethane	128	4.358	4.370	-0.012	81	219691	10.4	
44 Tetrahydrofuran	42	4.405	4.405	0.0	77	72738	9.91	
45 Chloroform	83	4.417	4.417	0.0	76	670098	10.1	
46 1,1,1-Trichloroethane	97	4.594	4.595	-0.001	87	377773	10.2	
47 Cyclohexane	56	4.654	4.654	0.0	86	338579	8.79	
48 1,1-Dichloropropene	75	4.725	4.725	0.0	91	518255	10.1	
49 Carbon tetrachloride	117	4.736	4.737	-0.001	81	364993	10.3	
50 Isobutyl alcohol	41	4.772	4.772	0.0	89	304562	441.4	
51 1,2-Dichloroethane	62	4.902	4.902	0.0	48	532501	10.5	
52 Benzene	78	4.902	4.902	0.0	96	1602377	10.4	
56 Trichloroethene	130	5.435	5.435	0.0	90	454034	10.3	
58 Methylcyclohexane	83	5.612	5.612	0.0	87	383595	8.38	
59 1,2-Dichloropropane	63	5.612	5.612	0.0	89	358360	10.7	
61 Dibromomethane	93	5.719	5.719	0.0	79	218226	11.0	
63 Dichlorobromomethane	83	5.837	5.837	0.0	94	489344	10.5	
65 2-Chloroethyl vinyl ether	63	6.085	6.086	-0.001	94	201164	10.4	
66 cis-1,3-Dichloropropene	75	6.227	6.228	-0.001	88	558676	9.94	
67 4-Methyl-2-pentanone (MIBK)	43	6.358	6.358	0.0	94	442118	20.0	
68 Toluene	91	6.535	6.535	0.0	92	1666956	9.83	
69 trans-1,3-Dichloropropene	75	6.713	6.713	-0.001	90	492632	10.1	
71 1,1,2-Trichloroethane	97	6.878	6.878	0.0	86	296564	10.3	
72 Tetrachloroethene	164	7.032	7.032	0.0	84	336963	9.74	
73 1,3-Dichloropropane	76	7.032	7.032	0.0	90	506431	10.2	
74 2-Hexanone	43	7.091	7.091	0.0	94	264278	19.8	
76 Chlorodibromomethane	129	7.245	7.245	0.0	85	321115	10.1	
77 Ethylene Dibromide	107	7.351	7.352	-0.001	98	275231	10.3	
79 Chlorobenzene	112	7.813	7.813	0.0	96	899620	10.2	
80 1,1,1,2-Tetrachloroethane	131	7.884	7.884	0.0	89	330301	10.3	
81 Ethylbenzene	106	7.908	7.908	0.0	98	483053	10.0	
82 m-Xylene & p-Xylene	106	8.026	8.026	0.0	96	1136146	20.3	
83 o-Xylene	106	8.393	8.393	0.0	91	516663	10.5	
84 Styrene	104	8.405	8.405	0.0	91	842216	10.7	
85 Bromoform	173	8.582	8.582	0.0	97	139866	10.0	
86 Isopropylbenzene	105	8.748	8.748	0.0	95	1107079	9.98	
87 Cyclohexanone	55	8.831	8.831	0.0	87	89428	46.0	
88 1,1,2,2-Tetrachloroethane	83	9.020	9.020	0.0	90	179031	9.46	
89 Bromobenzene	156	9.044	9.044	0.0	83	291618	10.2	
90 1,2,3-Trichloropropane	110	9.067	9.067	0.0	73	67473	9.92	
91 trans-1,4-Dichloro-2-butene	53	9.067	9.067	0.0	71	60237	18.1	
92 N-Propylbenzene	120	9.150	9.150	0.0	97	263923	10.5	
93 2-Chlorotoluene	126	9.233	9.233	0.0	96	216555	9.60	
94 1,3,5-Trimethylbenzene	105	9.316	9.316	0.0	90	704569	9.84	
95 4-Chlorotoluene	126	9.339	9.340	-0.001	97	233039	10.0	
96 tert-Butylbenzene	119	9.635	9.635	0.0	76	607970	9.92	
97 1,2,4-Trimethylbenzene	105	9.683	9.683	0.0	66	719963	9.68	
98 sec-Butylbenzene	105	9.860	9.860	0.0	93	759372	9.37	
99 1,3-Dichlorobenzene	146	9.967	9.967	0.0	97	468719	9.83	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
100 4-Isopropyltoluene	119	10.002	10.002	0.0	89	704397	9.85	
101 1,4-Dichlorobenzene	146	10.049	10.050	-0.001	93	481465	9.56	
102 1,2,3-Trimethylbenzene	105	10.109	10.109	0.0	96	760252	10.3	
103 n-Butylbenzene	91	10.404	10.405	-0.001	94	551008	9.13	
104 1,2-Dichlorobenzene	146	10.416	10.416	0.0	96	456202	9.67	
105 1,2-Dibromo-3-Chloropropane	157	11.185	11.185	0.0	72	37273	9.68	
107 1,2,4-Trichlorobenzene	180	12.025	12.026	-0.001	89	201291	8.17	
108 Hexachlorobutadiene	225	12.203	12.203	0.0	86	120422	8.25	
109 Naphthalene	128	12.274	12.274	0.0	96	347270	6.19	
110 1,2,3-Trichlorobenzene	180	12.522	12.523	-0.001	92	135046	6.99	
S 138 Trihalomethanes, Total	1				0		40.7	
S 112 1,2-Dichloroethene, Total	96				0		20.6	
S 114 Xylenes, Total	106				0		30.8	

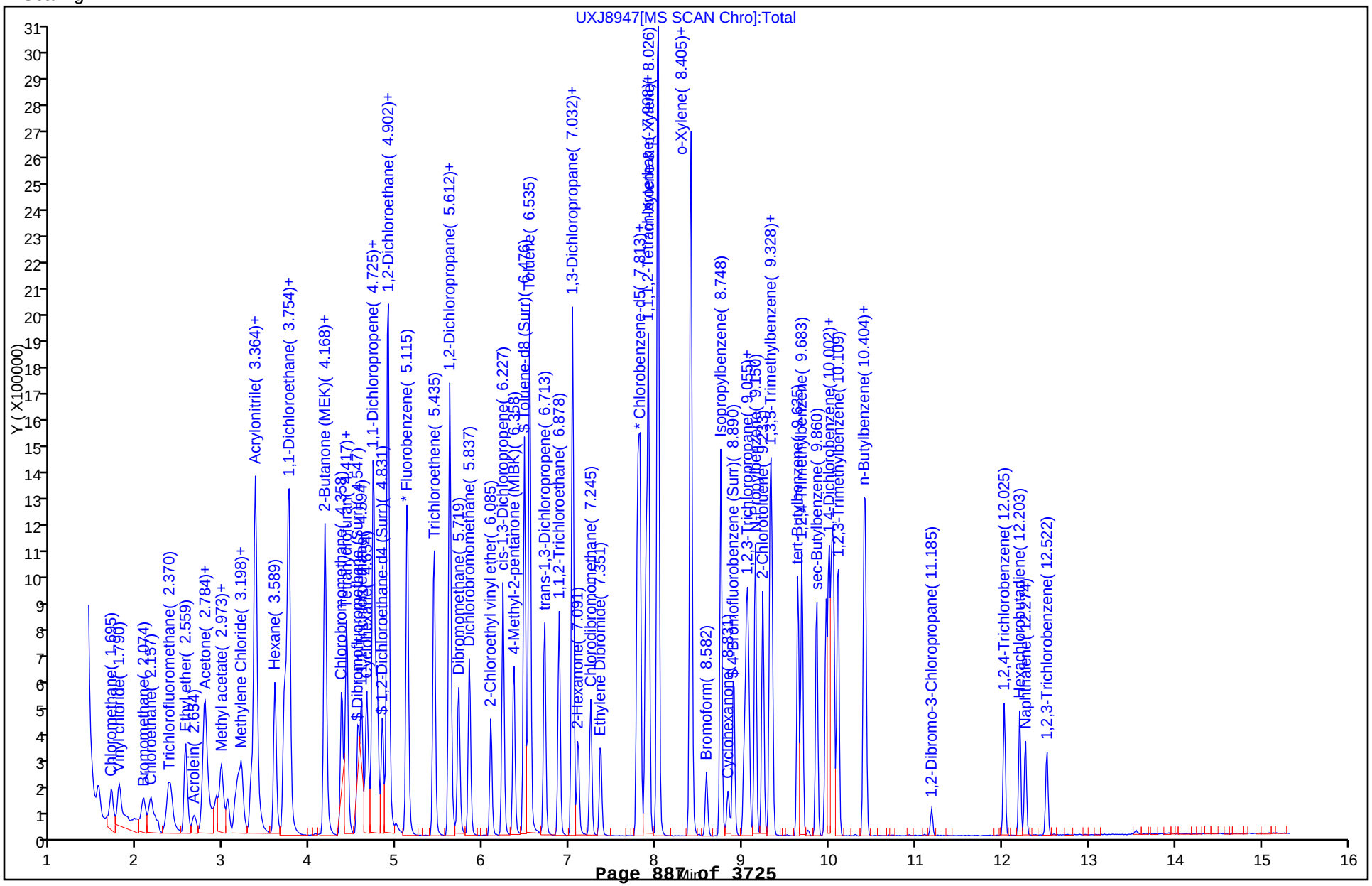
Report Date: 12-Dec-2012 08:23:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8947.D

Injection Date:	11-Dec-2012 16:10:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68124	Lims Sample ID:	14
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-68124/14 Calibration Date: 12/11/2012 16:10

Instrument ID: A3UX11 Calib Start Date: 12/11/2012 13:55

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/11/2012 15:48

Lab File ID: UXJ8947.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isobutyl alcohol	Ave	0.0083	0.0074		0.441	0.500	-11.7	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8947.D
Lims ID: ICV Client ID:
Inject. Date: 11-Dec-2012 16:10:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015710-014
Misc. Info.: J21211A-IC,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 68124 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\8260_11.m
Last Update: 12-Dec-2012 08:23:32 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: evansle Date: 12-Dec-2012 08:00:58

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1322071	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	81	827987	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	84	310940	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	92	289706	8.01	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	87	326240	7.78	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	83	1125547	7.94	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	90	237789	8.39	
8 Dichlorodifluoromethane	85	1.553	1.554	-0.001	86	193870	7.36	
9 Chloromethane	50	1.695	1.695	0.0	88	220629	9.40	
10 Vinyl chloride	62	1.790	1.790	0.0	83	223281	9.14	
11 Bromomethane	94	2.074	2.074	0.0	88	99534	8.64	
12 Chloroethane	64	2.157	2.157	0.0	97	132020	9.71	
14 Trichlorofluoromethane	101	2.358	2.358	0.0	96	258195	9.20	
15 Ethyl ether	59	2.559	2.559	0.0	87	306689	10.7	
16 Acrolein	56	2.654	2.654	0.0	88	95423	26.2	
17 Acetone	43	2.772	2.772	0.0	53	136387	16.0	
19 1,1-Dichloroethene	96	2.784	2.784	0.0	90	245843	10.5	
18 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.784	2.784	0.0	63	162275	9.87	
21 Iodomethane	142	2.914	2.914	0.0	98	293485	10.6	
23 Carbon disulfide	76	2.973	2.973	0.0	99	602617	10.4	
24 Acetonitrile	41	2.997	2.997	0.0	94	64633	27.7	
25 Methyl acetate	43	3.044	3.044	0.0	89	194157	9.26	
26 Methylene Chloride	84	3.163	3.163	0.0	76	246827	9.45	
27 2-Methyl-2-propanol	59	3.210	3.210	0.0	98	349467	196.6	
28 Acrylonitrile	53	3.316	3.317	-0.001	96	278579	28.3	
30 Methyl tert-butyl ether	73	3.364	3.364	0.0	87	1030255	10.2	
29 trans-1,2-Dichloroethene	96	3.364	3.364	0.0	58	370331	10.3	
31 Hexane	86	3.589	3.589	0.0	92	76988	9.22	
32 1,1-Dichloroethane	63	3.695	3.695	0.0	85	625367	10.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
33 Vinyl acetate	86	3.731	3.731	0.0	97	90471	12.5	
34 Isopropyl ether	87	3.754	3.754	0.0	93	376824	10.3	
40 cis-1,2-Dichloroethene	96	4.168	4.169	-0.001	68	433712	10.3	
38 2-Butanone (MEK)	43	4.168	4.169	-0.001	53	210236	19.0	
39 2,2-Dichloropropane	77	4.180	4.180	0.0	75	237877	9.86	
43 Chlorobromomethane	128	4.358	4.370	-0.012	81	219691	10.4	
44 Tetrahydrofuran	42	4.405	4.405	0.0	77	72738	9.91	
45 Chloroform	83	4.417	4.417	0.0	76	670098	10.1	
46 1,1,1-Trichloroethane	97	4.594	4.595	-0.001	87	377773	10.2	
47 Cyclohexane	56	4.654	4.654	0.0	86	338579	8.79	
48 1,1-Dichloropropene	75	4.725	4.725	0.0	91	518255	10.1	
49 Carbon tetrachloride	117	4.736	4.737	-0.001	81	364993	10.3	
50 Isobutyl alcohol	41	4.772	4.772	0.0	89	304562	441.4	
51 1,2-Dichloroethane	62	4.902	4.902	0.0	48	532501	10.5	
52 Benzene	78	4.902	4.902	0.0	96	1602377	10.4	
56 Trichloroethene	130	5.435	5.435	0.0	90	454034	10.3	
58 Methylcyclohexane	83	5.612	5.612	0.0	87	383595	8.38	
59 1,2-Dichloropropane	63	5.612	5.612	0.0	89	358360	10.7	
61 Dibromomethane	93	5.719	5.719	0.0	79	218226	11.0	
63 Dichlorobromomethane	83	5.837	5.837	0.0	94	489344	10.5	
65 2-Chloroethyl vinyl ether	63	6.085	6.086	-0.001	94	201164	10.4	
66 cis-1,3-Dichloropropene	75	6.227	6.228	-0.001	88	558676	9.94	
67 4-Methyl-2-pentanone (MIBK)	43	6.358	6.358	0.0	94	442118	20.0	
68 Toluene	91	6.535	6.535	0.0	92	1666956	9.83	
69 trans-1,3-Dichloropropene	75	6.713	6.713	-0.001	90	492632	10.1	
71 1,1,2-Trichloroethane	97	6.878	6.878	0.0	86	296564	10.3	
72 Tetrachloroethene	164	7.032	7.032	0.0	84	336963	9.74	
73 1,3-Dichloropropane	76	7.032	7.032	0.0	90	506431	10.2	
74 2-Hexanone	43	7.091	7.091	0.0	94	264278	19.8	
76 Chlorodibromomethane	129	7.245	7.245	0.0	85	321115	10.1	
77 Ethylene Dibromide	107	7.351	7.352	-0.001	98	275231	10.3	
79 Chlorobenzene	112	7.813	7.813	0.0	96	899620	10.2	
80 1,1,1,2-Tetrachloroethane	131	7.884	7.884	0.0	89	330301	10.3	
81 Ethylbenzene	106	7.908	7.908	0.0	98	483053	10.0	
82 m-Xylene & p-Xylene	106	8.026	8.026	0.0	96	1136146	20.3	
83 o-Xylene	106	8.393	8.393	0.0	91	516663	10.5	
84 Styrene	104	8.405	8.405	0.0	91	842216	10.7	
85 Bromoform	173	8.582	8.582	0.0	97	139866	10.0	
86 Isopropylbenzene	105	8.748	8.748	0.0	95	1107079	9.98	
87 Cyclohexanone	55	8.831	8.831	0.0	87	89428	46.0	
88 1,1,2,2-Tetrachloroethane	83	9.020	9.020	0.0	90	179031	9.46	
89 Bromobenzene	156	9.044	9.044	0.0	83	291618	10.2	
90 1,2,3-Trichloropropane	110	9.067	9.067	0.0	73	67473	9.92	
91 trans-1,4-Dichloro-2-butene	53	9.067	9.067	0.0	71	60237	18.1	
92 N-Propylbenzene	120	9.150	9.150	0.0	97	263923	10.5	
93 2-Chlorotoluene	126	9.233	9.233	0.0	96	216555	9.60	
94 1,3,5-Trimethylbenzene	105	9.316	9.316	0.0	90	704569	9.84	
95 4-Chlorotoluene	126	9.339	9.340	-0.001	97	233039	10.0	
96 tert-Butylbenzene	119	9.635	9.635	0.0	76	607970	9.92	
97 1,2,4-Trimethylbenzene	105	9.683	9.683	0.0	66	719963	9.68	
98 sec-Butylbenzene	105	9.860	9.860	0.0	93	759372	9.37	
99 1,3-Dichlorobenzene	146	9.967	9.967	0.0	97	468719	9.83	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
100 4-Isopropyltoluene	119	10.002	10.002	0.0	89	704397	9.85	
101 1,4-Dichlorobenzene	146	10.049	10.050	-0.001	93	481465	9.56	
102 1,2,3-Trimethylbenzene	105	10.109	10.109	0.0	96	760252	10.3	
103 n-Butylbenzene	91	10.404	10.405	-0.001	94	551008	9.13	
104 1,2-Dichlorobenzene	146	10.416	10.416	0.0	96	456202	9.67	
105 1,2-Dibromo-3-Chloropropane	157	11.185	11.185	0.0	72	37273	9.68	
107 1,2,4-Trichlorobenzene	180	12.025	12.026	-0.001	89	201291	8.17	
108 Hexachlorobutadiene	225	12.203	12.203	0.0	86	120422	8.25	
109 Naphthalene	128	12.274	12.274	0.0	96	347270	6.19	
110 1,2,3-Trichlorobenzene	180	12.522	12.523	-0.001	92	135046	6.99	
S 138 Trihalomethanes, Total	1				0		40.7	
S 112 1,2-Dichloroethene, Total	96				0		20.6	
S 114 Xylenes, Total	106				0		30.8	

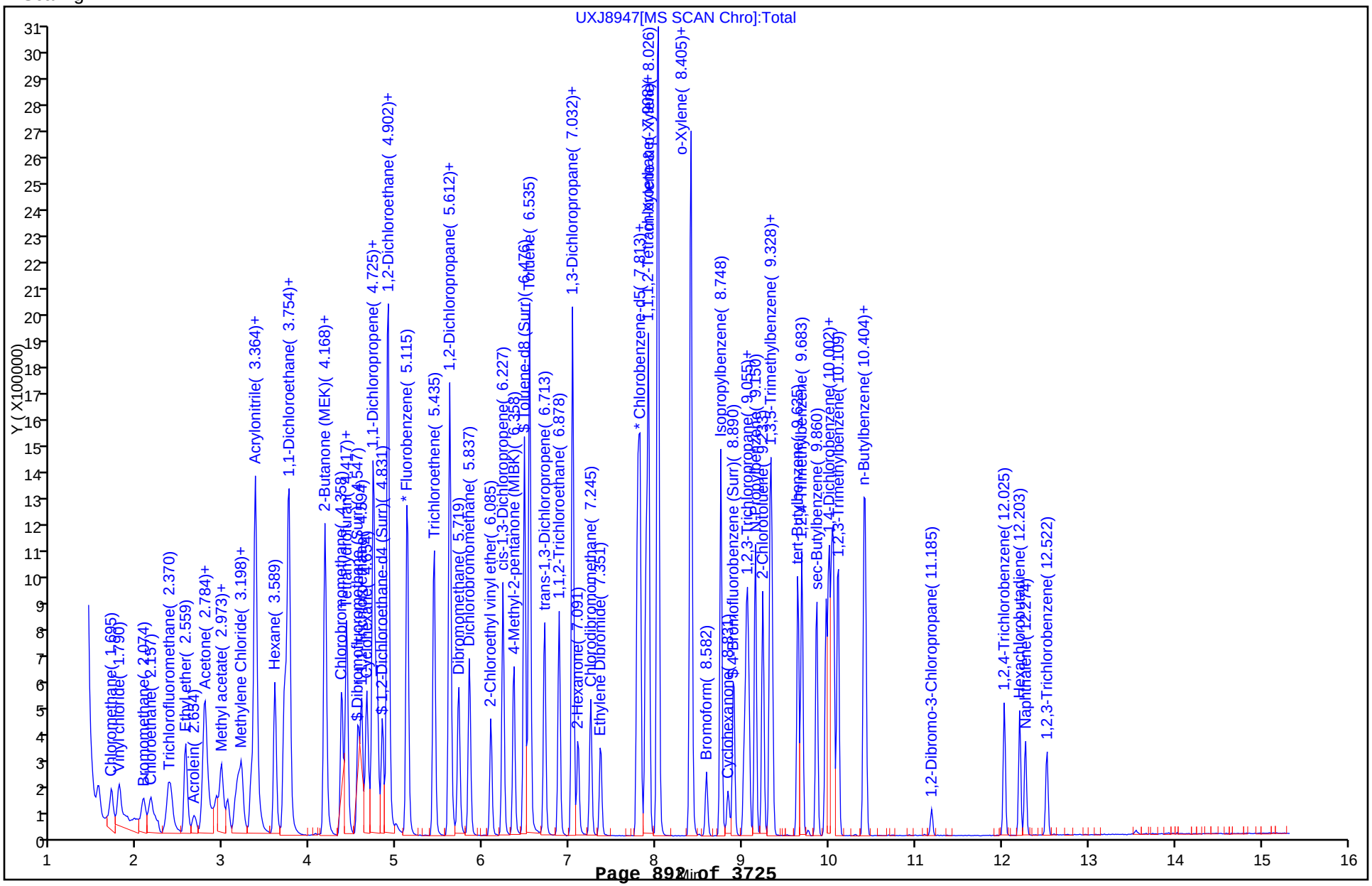
Report Date: 12-Dec-2012 08:23:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8947.D

Injection Date:	11-Dec-2012 16:10:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68124	Lims Sample ID:	14
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-68395/2 Calibration Date: 12/12/2012 12:30

Instrument ID: A3UX11 Calib Start Date: 12/11/2012 11:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/11/2012 13:32

Lab File ID: UXJ8968.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1992	0.1876	0.1000	0.00942	0.0100	-5.8	20.0
Chloromethane	Ave	0.1776	0.1677	0.1000	0.00945	0.0100	-5.5	20.0
Vinyl chloride	Ave	0.1848	0.1822	0.1000	0.00986	0.0100	-1.4	20.0
Bromomethane	Ave	0.0872	0.0772	0.0500	0.00885	0.0100	-11.5	20.0
Chloroethane	Ave	0.1028	0.1010	0.0500	0.00983	0.0100	-1.7	20.0
Trichlorofluoromethane	Ave	0.2122	0.2105	0.1000	0.00992	0.0100	-0.8	20.0
Acrolein	Ave	0.0276	0.0270		0.0977	0.100	-2.3	20.0
Acetone	Qua		0.0620	0.0500	0.0198	0.0200	-1.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1244	0.1062	0.0500	0.00853	0.0100	-14.7	20.0
1,1-Dichloroethene	Ave	0.1773	0.1698	0.1000	0.00958	0.0100	-4.2	20.0
Iodomethane	Ave	0.2094	0.1791		0.00856	0.0100	-14.4	20.0
Carbon disulfide	Ave	0.4383	0.4318	0.1000	0.00985	0.0100	-1.5	20.0
Acetonitrile	Ave	0.0177	0.0157		0.0890	0.100	-11.0	20.0
Methyl acetate	Ave	0.1586	0.1620	0.1000	0.0204	0.0200	2.2	20.0
Methylene Chloride	Ave	0.1976	0.1796	0.1000	0.00909	0.0100	-9.1	20.0
2-Methyl-2-propanol	Ave	0.0134	0.0124		0.184	0.200	-8.0	20.0
Acrylonitrile	Ave	0.0744	0.0749		0.0201	0.0200	0.6	20.0
Methyl tert-butyl ether	Ave	0.7635	0.7503	0.1000	0.00983	0.0100	-1.7	20.0
trans-1,2-Dichloroethene	Ave	0.2717	0.2512	0.1000	0.00924	0.0100	-7.6	20.0
1,1-Dichloroethane	Ave	0.4437	0.4310	0.1000	0.00971	0.0100	-2.9	20.0
Vinyl acetate	Ave	0.0548	0.0512		0.00934	0.0100	-6.6	20.0
2,2-Dichloropropane	Ave	0.1825	0.1729		0.00947	0.0100	-5.3	20.0
2-Butanone (MEK)	Ave	0.0838	0.0881	0.0500	0.0210	0.0200	5.2	20.0
cis-1,2-Dichloroethene	Ave	0.3185	0.2919	0.1000	0.00916	0.0100	-8.4	20.0
Bromochloromethane	Ave	0.1591	0.1386		0.00871	0.0100	-12.9	20.0
Chloroform	Ave	0.5015	0.4794	0.2000	0.00956	0.0100	-4.4	20.0
1,1,1-Trichloroethane	Ave	0.2792	0.2627	0.1000	0.00941	0.0100	-5.9	20.0
Cyclohexane	Ave	0.2913	0.3107	0.1000	0.0107	0.0100	6.7	20.0
1,1-Dichloropropene	Ave	0.3892	0.3716		0.00955	0.0100	-4.5	20.0
Carbon tetrachloride	Ave	0.2691	0.2434	0.1000	0.00904	0.0100	-9.6	20.0
1,2-Dichloroethane	Ave	0.3823	0.3697	0.1000	0.00967	0.0100	-3.3	20.0
Benzene	Ave	1.160	1.117	0.5000	0.00963	0.0100	-3.7	20.0
Trichloroethene	Ave	0.3318	0.2814	0.2000	0.00848	0.0100	-15.2	20.0
1,2-Dichloropropane	Ave	0.2528	0.2492	0.1000	0.00986	0.0100	-1.4	20.0
Methylcyclohexane	Ave	0.3462	0.3437	0.1000	0.00993	0.0100	-0.7	20.0
Dibromomethane	Ave	0.1506	0.1428		0.00948	0.0100	-5.2	20.0
Bromodichloromethane	Ave	0.3528	0.3314	0.1000	0.00939	0.0100	-6.1	20.0
cis-1,3-Dichloropropene	Ave	0.4252	0.4066	0.1500	0.00956	0.0100	-4.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1676	0.1797	0.0500	0.0214	0.0200	7.2	20.0
Toluene	Ave	2.049	1.960	0.4000	0.00957	0.0100	-4.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-68395/2 Calibration Date: 12/12/2012 12:30

Instrument ID: A3UX11 Calib Start Date: 12/11/2012 11:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/11/2012 13:32

Lab File ID: UXJ8968.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.5893	0.5702	0.1000	0.00968	0.0100	-3.2	20.0
1,1,2-Trichloroethane	Ave	0.3491	0.3397	0.1000	0.00973	0.0100	-2.7	20.0
1,3-Dichloropropane	Ave	0.6006	0.5938		0.00989	0.0100	-1.1	20.0
Tetrachloroethene	Ave	0.4179	0.3406	0.2000	0.00815	0.0100	-18.5	20.0
2-Hexanone	Ave	0.1613	0.1770	0.0500	0.0219	0.0200	9.7	20.0
Dibromochloromethane	Ave	0.3845	0.3444		0.00896	0.0100	-10.4	20.0
1,2-Dibromoethane	Ave	0.3239	0.3120		0.00963	0.0100	-3.7	20.0
Chlorobenzene	Ave	1.066	0.9807	0.3000	0.00920	0.0100	-8.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3864	0.3453		0.00894	0.0100	-10.6	20.0
Ethylbenzene	Ave	0.5811	0.5330		0.00917	0.0100	-8.3	20.0
m-Xylene & p-Xylene	Ave	0.6755	0.6359		0.0188	0.0200	-5.9	20.0
o-Xylene	Ave	0.5956	0.5664		0.00951	0.0100	-4.9	20.0
Styrene	Ave	0.9515	0.9088	0.3000	0.00955	0.0100	-4.5	20.0
Bromoform	Ave	0.1687	0.1397	0.1000	0.00828	0.0100	-17.2	20.0
Isopropylbenzene	Ave	1.339	1.247	0.1000	0.00931	0.0100	-6.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6088	0.7116	0.3000	0.0117	0.0100	16.9	20.0
Bromobenzene	Ave	0.9156	0.9179		0.0100	0.0100	0.3	20.0
1,2,3-Trichloropropane	Ave	0.2187	0.2442		0.0112	0.0100	11.7	20.0
N-Propylbenzene	Ave	0.8055	0.8429		0.0105	0.0100	4.6	20.0
2-Chlorotoluene	Ave	0.7252	0.7548		0.0104	0.0100	4.1	20.0
1,3,5-Trimethylbenzene	Ave	2.303	2.484		0.0108	0.0100	7.9	20.0
4-Chlorotoluene	Ave	0.7502	0.7759		0.0103	0.0100	3.4	20.0
tert-Butylbenzene	Ave	1.971	2.075		0.0105	0.0100	5.3	20.0
1,2,4-Trimethylbenzene	Ave	2.391	2.494		0.0104	0.0100	4.3	20.0
sec-Butylbenzene	Ave	2.605	2.663		0.0102	0.0100	2.2	20.0
1,3-Dichlorobenzene	Ave	1.533	1.445	0.6000	0.00942	0.0100	-5.8	20.0
4-Isopropyltoluene	Ave	2.301	2.312		0.0100	0.0100	0.5	20.0
1,4-Dichlorobenzene	Ave	1.619	1.513	0.5000	0.00934	0.0100	-6.6	20.0
n-Butylbenzene	Ave	1.940	1.930		0.00995	0.0100	-0.5	20.0
1,2-Dichlorobenzene	Ave	1.518	1.401	0.4000	0.00923	0.0100	-7.7	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1238	0.1124	0.0500	0.00908	0.0100	-9.2	20.0
1,2,4-Trichlorobenzene	Qua		0.5480	0.2000	0.00675	0.0100	-32.5*	20.0
Hexachlorobutadiene	Qua		0.3074		0.00636	0.0100	-36.4*	20.0
Naphthalene	Qua		1.103		0.00610	0.0100	-39.0*	20.0
1,2,3-Trichlorobenzene	Ave	0.6214	0.3714		0.00598	0.0100	-40.2*	20.0
Dibromofluoromethane (Surr)	Ave	0.2737	0.2504		0.00763	0.00834	-8.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3174	0.3049		0.00801	0.00834	-3.9	20.0
Toluene-d8 (Surr)	Ave	1.713	1.688		0.00822	0.00834	-1.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3425	0.3605		0.00878	0.00834	5.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8968.D
Lims ID: CCVIS L4 8260 Client ID:
Inject. Date: 12-Dec-2012 12:30:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0015761-002
Misc. Info.: J21212A,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 68395 Lims Sample ID: 2
Sublist: chrom-8260_11*sub11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\8260_11.m
Last Update: 13-Dec-2012 08:28:23 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: evansle Date: 12-Dec-2012 13:06:01

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1201872	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	82	719895	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	89	225710	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	93	250991	7.63	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	87	305580	8.01	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	83	1013235	8.22	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	90	216410	8.78	
8 Dichlorodifluoromethane	85	1.542	1.542	0.0	87	225416	9.42	
9 Chloromethane	50	1.696	1.696	0.0	99	201596	9.45	
10 Vinyl chloride	62	1.790	1.790	0.0	82	218981	9.86	
11 Bromomethane	94	2.074	2.074	0.0	89	92779	8.85	
12 Chloroethane	64	2.157	2.157	0.0	97	121413	9.83	
14 Trichlorofluoromethane	101	2.358	2.358	0.0	97	253041	9.92	
16 Acrolein	56	2.654	2.654	0.0	89	324175	97.7	
17 Acetone	43	2.772	2.772	0.0	63	149061	19.8	
19 1,1-Dichloroethene	96	2.784	2.784	0.0	90	204120	9.58	
18 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.784	2.784	0.0	51	127605	8.53	
21 Iodomethane	142	2.914	2.914	0.0	95	215281	8.56	
23 Carbon disulfide	76	2.973	2.973	0.0	98	519011	9.85	
24 Acetonitrile	41	2.997	2.997	0.0	95	189077	89.0	
25 Methyl acetate	43	3.044	3.044	0.0	95	389501	20.4	
26 Methylene Chloride	84	3.163	3.163	0.0	79	215853	9.09	
27 2-Methyl-2-propanol	59	3.198	3.198	0.0	98	297321	184.0	
28 Acrylonitrile	53	3.317	3.317	0.0	96	180073	20.1	
30 Methyl tert-butyl ether	73	3.364	3.364	0.0	88	901703	9.83	
29 trans-1,2-Dichloroethene	96	3.364	3.364	0.0	56	301943	9.24	
31 Hexane	86	3.589	3.589	0.0	93	76520	10.1	
32 1,1-Dichloroethane	63	3.695	3.695	0.0	86	517966	9.71	
33 Vinyl acetate	86	3.731	3.731	0.0	98	61550	9.34	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
40 cis-1,2-Dichloroethene	96	4.169	4.169	0.0	69	350769	9.16	
38 2-Butanone (MEK)	43	4.169	4.169	0.0	56	211858	21.0	
39 2,2-Dichloropropane	77	4.169	4.169	0.0	66	207765	9.47	
43 Chlorobromomethane	128	4.358	4.358	0.0	94	166630	8.71	
44 Tetrahydrofuran	42	4.405	4.405	0.0	81	67228	10.1	
45 Chloroform	83	4.417	4.417	0.0	71	576158	9.56	
46 1,1,1-Trichloroethane	97	4.595	4.595	0.0	87	315747	9.41	
47 Cyclohexane	56	4.654	4.654	0.0	87	373395	10.7	
48 1,1-Dichloropropene	75	4.725	4.725	0.0	91	446558	9.55	
49 Carbon tetrachloride	117	4.737	4.737	0.0	75	292490	9.04	
52 Benzene	78	4.902	4.902	0.0	96	1341902	9.63	
51 1,2-Dichloroethane	62	4.902	4.902	0.0	48	444342	9.67	
56 Trichloroethene	130	5.435	5.435	0.0	92	338145	8.48	
59 1,2-Dichloropropane	63	5.612	5.612	0.0	85	299452	9.86	
58 Methylcyclohexane	83	5.612	5.612	0.0	87	413071	9.93	
61 Dibromomethane	93	5.719	5.719	0.0	85	171645	9.48	
62 1,4-Dioxane	88	5.719	5.719	0.0	89	73527	352.5	
63 Dichlorobromomethane	83	5.837	5.837	0.0	88	398304	9.39	
65 2-Chloroethyl vinyl ether	63	6.086	6.086	0.0	95	364761	20.7	
66 cis-1,3-Dichloropropene	75	6.228	6.228	0.0	87	488708	9.56	
67 4-Methyl-2-pentanone (MIBK)	43	6.358	6.358	0.0	96	431854	21.4	
68 Toluene	91	6.535	6.535	0.0	92	1411120	9.57	
69 trans-1,3-Dichloropropene	75	6.713	6.713	0.0	91	410489	9.68	
70 Ethyl methacrylate	69	6.784	6.784	0.0	88	354544	10.4	
71 1,1,2-Trichloroethane	97	6.878	6.878	0.0	85	244550	9.73	
72 Tetrachloroethene	164	7.032	7.032	0.0	82	245174	8.15	
73 1,3-Dichloropropane	76	7.032	7.032	0.0	92	427451	9.89	
74 2-Hexanone	43	7.091	7.091	0.0	95	254806	21.9	
76 Chlorodibromomethane	129	7.245	7.245	0.0	85	247916	8.96	
77 Ethylene Dibromide	107	7.352	7.352	0.0	98	224629	9.63	
79 Chlorobenzene	112	7.813	7.813	0.0	94	705986	9.20	
80 1,1,1,2-Tetrachloroethane	131	7.884	7.884	0.0	83	248602	8.94	
81 Ethylbenzene	106	7.908	7.908	0.0	98	383682	9.17	
82 m-Xylene & p-Xylene	106	8.014	8.014	0.0	97	915548	18.8	
83 o-Xylene	106	8.393	8.393	0.0	91	407712	9.51	
84 Styrene	104	8.405	8.405	0.0	89	654254	9.55	
85 Bromoform	173	8.582	8.582	0.0	94	100587	8.28	
86 Isopropylbenzene	105	8.748	8.748	0.0	95	897486	9.31	
88 1,1,2,2-Tetrachloroethane	83	9.020	9.020	0.0	95	160606	11.7	
89 Bromobenzene	156	9.044	9.044	0.0	92	207184	10.0	
90 1,2,3-Trichloropropane	110	9.067	9.067	0.0	73	55127	11.2	
91 trans-1,4-Dichloro-2-butene	53	9.067	9.067	0.0	66	28733	11.9	
92 N-Propylbenzene	120	9.150	9.150	0.0	97	190249	10.5	
93 2-Chlorotoluene	126	9.233	9.233	0.0	96	170354	10.4	
94 1,3,5-Trimethylbenzene	105	9.316	9.316	0.0	89	560646	10.8	
95 4-Chlorotoluene	126	9.340	9.340	0.0	99	175123	10.3	
96 tert-Butylbenzene	119	9.635	9.635	0.0	78	468374	10.5	
97 1,2,4-Trimethylbenzene	105	9.683	9.683	0.0	67	562860	10.4	
98 sec-Butylbenzene	105	9.860	9.860	0.0	92	601167	10.2	
99 1,3-Dichlorobenzene	146	9.967	9.967	0.0	97	326192	9.42	
100 4-Isopropyltoluene	119	9.990	9.990	0.0	92	521854	10.0	
101 1,4-Dichlorobenzene	146	10.050	10.050	0.0	92	341533	9.34	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
103 n-Butylbenzene	91	10.405	10.405	0.0	94	435536	9.95	
104 1,2-Dichlorobenzene	146	10.416	10.416	0.0	95	316125	9.23	
105 1,2-Dibromo-3-Chloropropane	157	11.186	11.186	0.0	64	25369	9.08	
106 1,3,5-Trichlorobenzene	180	11.410	11.410	0.0	97	179315	7.79	
107 1,2,4-Trichlorobenzene	180	12.026	12.026	0.0	93	123678	6.75	
108 Hexachlorobutadiene	225	12.203	12.203	0.0	89	69382	6.36	
109 Naphthalene	128	12.274	12.274	0.0	97	248942	6.10	
110 1,2,3-Trichlorobenzene	180	12.523	12.523	0.0	90	83823	5.98	
S 138 Trihalomethanes, Total	1				0		36.2	
S 112 1,2-Dichloroethene, Total	96				0		18.4	
S 113 1,3-Dichloropropene, Total	75				0		19.2	
S 114 Xylenes, Total	106				0		28.3	

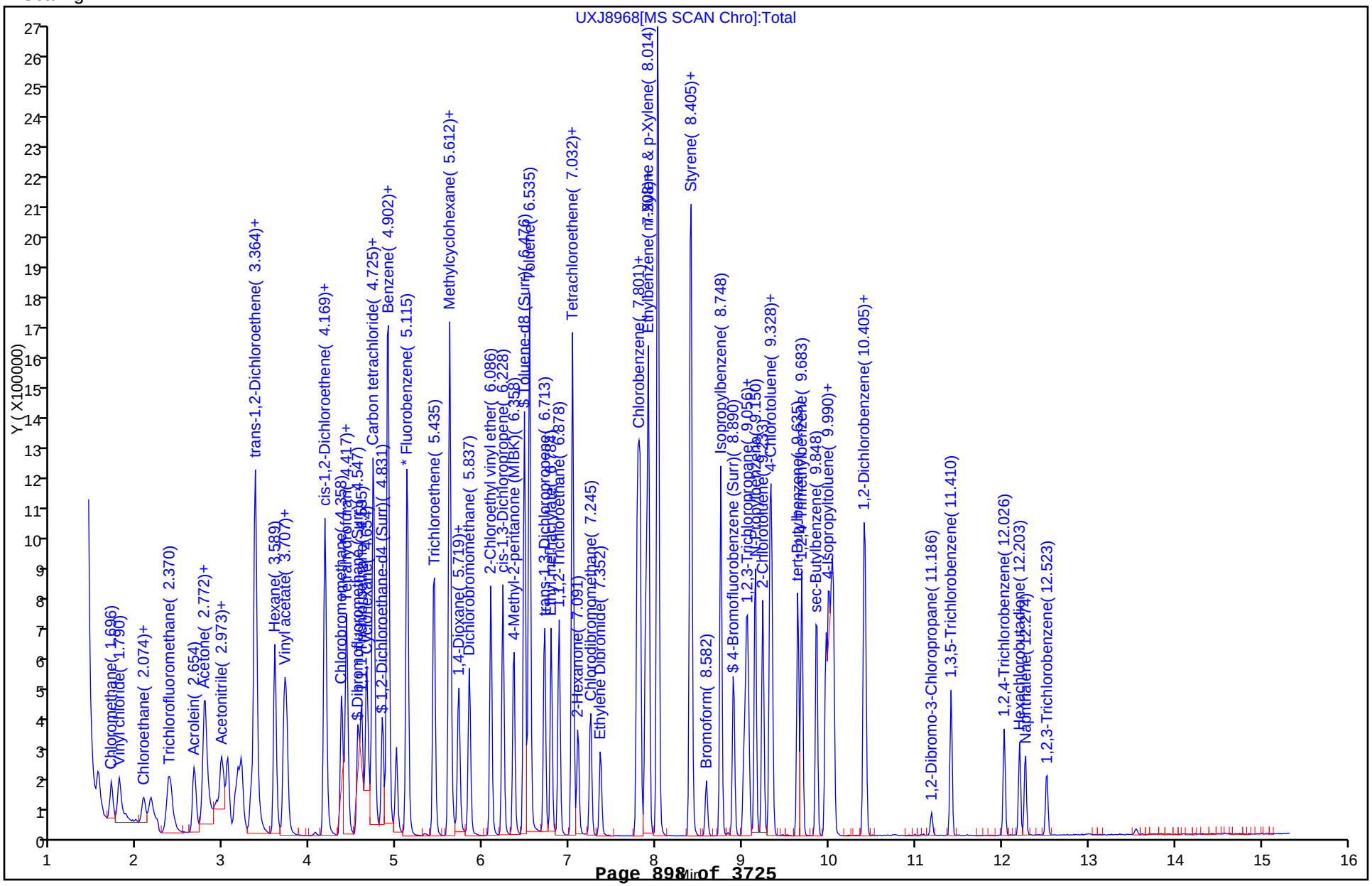
Report Date: 13-Dec-2012 08:28:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8968.D

Injection Date:	12-Dec-2012 12:30:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68395	Lims Sample ID:	2
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-68830/12 Calibration Date: 12/15/2012 00:50

Instrument ID: A3UX8 Calib Start Date: 12/11/2012 06:37

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/11/2012 08:23

Lab File ID: UX82465.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Cyclohexanone	Ave	0.0909	0.0174		0.0957	0.500	-80.9*	20.0
1,2,3-Trimethylbenzene	Ave	2.002	2.089		0.0261	0.0250	4.3	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82465.D
Lims ID: ICV Client ID:
Inject. Date: 15-Dec-2012 00:50:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015873-012
Misc. Info.: M21214A,8260SUX8,,402279 =M21214A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 11
Lims Batch ID: 68830 Lims Sample ID: 12
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\8260_8.m
Last Update: 15-Dec-2012 14:27:33 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: latat Date: 15-Dec-2012 01:14:27

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.156	5.158	-0.002	99	1642552	50.0	
* 2 Chlorobenzene-d5	117	7.676	7.678	-0.002	98	1158331	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.876	9.878	-0.002	99	577663	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.624	4.626	-0.002	58	420167	51.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.884	4.886	-0.002	96	514372	50.5	
$ 7 Toluene-d8 (Surr)	98	6.422	6.424	-0.002	94	1497827	52.0	
$ 131 4-Bromofluorobenzene (Surr)	95	8.752	8.754	-0.002	93	513821	51.7	
12 Dichlorodifluoromethane	85	1.572	1.574	-0.002	96	124892	21.7	
13 Chloromethane	50	1.750	1.752	-0.002	100	249273	24.5	
14 Vinyl chloride	62	1.868	1.870	-0.002	98	152140	24.2	
15 Bromomethane	94	2.187	2.177	0.010	91	74414	21.0	
16 Chloroethane	64	2.282	2.272	0.010	95	93302	24.3	
18 Trichlorofluoromethane	101	2.507	2.509	-0.002	96	205234	27.1	
19 Ethyl ether	59	2.743	2.734	0.009	95	223038	27.5	
20 Acrolein	56	2.838	2.840	-0.002	94	113642	61.0	
21 1,1-Dichloroethene	96	2.933	2.923	0.010	97	152132	29.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.945	2.946	-0.002	90	130946	27.8	
22 Acetone	43	2.956	2.958	-0.002	97	225771	51.6	
24 Iodomethane	142	3.051	3.053	-0.002	99	309850	27.6	
26 Carbon disulfide	76	3.110	3.112	-0.002	98	416585	26.8	
27 Acetonitrile	41	3.169	3.171	-0.002	98	135860	78.0	
28 Methyl acetate	43	3.217	3.218	-0.001	98	260530	25.1	
30 Methylene Chloride	84	3.299	3.301	-0.002	92	206754	28.0	
31 2-Methyl-2-propanol	59	3.370	3.372	-0.002	91	440708	542.6	
32 Acrylonitrile	53	3.477	3.479	-0.002	97	342417	79.7	
34 Methyl tert-butyl ether	73	3.512	3.514	-0.002	84	520466	26.8	
33 trans-1,2-Dichloroethene	96	3.524	3.526	-0.002	68	180751	27.0	
35 Hexane	86	3.725	3.727	-0.002	95	49093	26.6	
36 1,1-Dichloroethane	63	3.832	3.833	-0.001	96	344227	27.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
37 Vinyl acetate	86	3.855	3.857	-0.002	97	42682	28.7	
38 Isopropyl ether	87	3.879	3.881	-0.002	91	178427	30.1	
42 cis-1,2-Dichloroethene	96	4.269	4.271	-0.002	88	206347	27.0	
41 2-Butanone (MEK)	43	4.269	4.271	-0.002	94	323690	50.0	
43 2,2-Dichloropropane	77	4.281	4.283	-0.002	74	139468	27.4	
47 Chlorobromomethane	128	4.459	4.449	0.011	91	113607	26.0	
48 Tetrahydrofuran	42	4.494	4.496	-0.002	92	104434	26.7	
49 Chloroform	83	4.506	4.508	-0.002	98	313031	26.0	
50 1,1,1-Trichloroethane	97	4.671	4.661	0.010	93	241414	27.1	
51 Cyclohexane	56	4.719	4.721	-0.002	96	368754	26.5	
52 1,1-Dichloropropene	75	4.790	4.792	-0.002	83	223163	26.9	
53 Carbon tetrachloride	117	4.802	4.803	-0.001	85	223308	27.4	
54 Isobutyl alcohol	41	4.813	4.815	-0.002	93	573258	1362.9	
55 Benzene	78	4.944	4.945	-0.001	94	702787	27.3	
56 1,2-Dichloroethane	62	4.944	4.945	-0.001	64	312295	26.6	
60 Trichloroethene	130	5.440	5.442	-0.002	90	202038	25.9	
63 Methylcyclohexane	83	5.606	5.608	-0.002	92	290069	26.3	
62 1,2-Dichloropropane	63	5.618	5.620	-0.002	78	198497	28.0	
65 Dibromomethane	93	5.712	5.714	-0.002	82	116807	28.1	
67 Dichlorobromomethane	83	5.819	5.821	-0.002	95	220327	27.6	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.186	6.187	-0.001	79	222985	25.6	
71 4-Methyl-2-pentanone (MIBK)	43	6.304	6.306	-0.002	98	582195	50.6	
72 Toluene	91	6.481	6.483	-0.002	93	747592	26.1	
73 trans-1,3-Dichloropropene	75	6.647	6.637	0.010	92	198418	23.3	
75 1,1,2-Trichloroethane	97	6.801	6.802	-0.001	96	159528	26.6	
77 Tetrachloroethene	164	6.954	6.956	-0.002	81	157265	25.8	
76 1,3-Dichloropropane	76	6.954	6.956	-0.002	90	265417	27.4	
78 2-Hexanone	43	7.002	7.003	-0.001	97	376057	48.5	
79 Chlorodibromomethane	129	7.155	7.157	-0.002	90	171328	26.0	
123 Ethylene Dibromide	107	7.274	7.276	-0.002	98	163211	27.7	
82 Chlorobenzene	112	7.711	7.713	-0.002	92	517649	26.4	
83 1,1,1,2-Tetrachloroethane	131	7.771	7.772	-0.001	88	175033	27.8	
84 Ethylbenzene	106	7.794	7.796	-0.002	98	259997	26.3	
10 m-Xylene & p-Xylene	106	7.901	7.902	-0.001	98	638882	53.9	
85 o-Xylene	106	8.267	8.269	-0.002	89	313177	27.7	
86 Styrene	104	8.279	8.281	-0.002	88	514728	28.2	
87 Bromoform	173	8.457	8.458	-0.001	96	97289	23.0	
88 Isopropylbenzene	105	8.610	8.612	-0.002	96	774305	27.0	
89 Cyclohexanone	55	8.693	8.695	-0.002	96	201385	95.7	
90 1,1,2,2-Tetrachloroethane	83	8.871	8.872	-0.001	88	174280	26.1	
91 Bromobenzene	156	8.918	8.908	0.010	81	225300	27.0	
92 1,2,3-Trichloropropane	110	8.930	8.920	0.010	76	69708	27.0	
93 trans-1,4-Dichloro-2-butene	53	8.930	8.932	-0.002	77	154117	53.8	
94 N-Propylbenzene	120	9.001	9.002	-0.001	98	223100	28.2	
95 2-Chlorotoluene	126	9.095	9.097	-0.002	97	189523	26.0	
96 1,3,5-Trimethylbenzene	105	9.166	9.168	-0.002	85	616123	26.9	
104 4-Chlorotoluene	126	9.190	9.192	-0.002	97	201199	26.4	
97 tert-Butylbenzene	119	9.486	9.487	-0.001	87	562089	25.8	
98 1,2,4-Trimethylbenzene	105	9.533	9.535	-0.002	85	621387	27.1	
99 sec-Butylbenzene	105	9.699	9.700	-0.001	94	735424	25.7	
100 1,3-Dichlorobenzene	146	9.817	9.819	-0.002	96	392133	25.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
101 4-Isopropyltoluene	119	9.841	9.842	-0.001	90	641552	26.7	
102 1,4-Dichlorobenzene	146	9.900	9.901	-0.001	94	401271	25.0	
103 1,2,3-Trimethylbenzene	105	9.947	9.949	-0.002	88	603256	26.1	
105 n-Butylbenzene	91	10.243	10.233	0.010	97	501018	25.3	
106 1,2-Dichlorobenzene	146	10.266	10.268	-0.002	98	363436	25.1	
107 1,2-Dibromo-3-Chloropropane	157	11.023	11.025	-0.002	60	26614	24.7	
109 1,2,4-Trichlorobenzene	180	11.863	11.853	0.010	94	154996	21.0	
110 Hexachlorobutadiene	225	12.029	12.031	-0.002	92	68512	26.4	
111 Naphthalene	128	12.100	12.102	-0.002	96	353782	20.2	
112 1,2,3-Trichlorobenzene	180	12.360	12.362	-0.002	96	125037	23.8	
S 136 Trihalomethanes, Total	1				0		102.6	
S 11 1,2-Dichloroethene, Total	96				0		53.9	
S 114 Xylenes, Total	106				0		81.6	

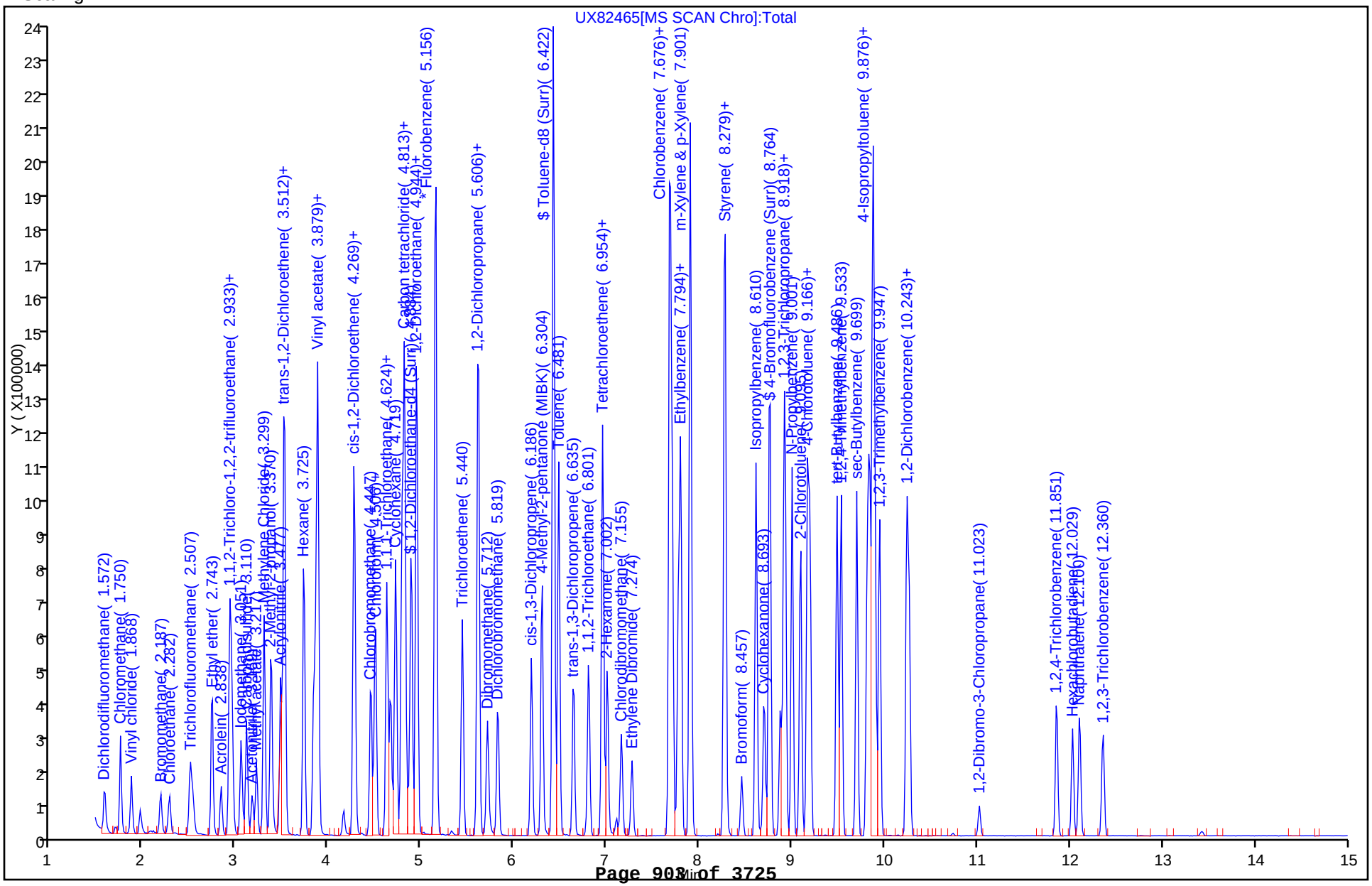
Report Date: 15-Dec-2012 14:27:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82465.D

Injection Date:	15-Dec-2012 00:50:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68830	Lims Sample ID:	12
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-68830/12 Calibration Date: 12/15/2012 00:50

Instrument ID: A3UX8 Calib Start Date: 12/14/2012 21:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/15/2012 00:08

Lab File ID: UX82465.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1748	0.1521	0.1000	0.0217	0.0250	-13.0	20.0
Chloromethane	Ave	0.3103	0.3035	0.1000	0.0245	0.0250	-2.2	20.0
Vinyl chloride	Ave	0.1917	0.1853	0.1000	0.0242	0.0250	-3.4	20.0
Bromomethane	Ave	0.1080	0.0906	0.0500	0.0210	0.0250	-16.1	20.0
Chloroethane	Ave	0.1169	0.1136	0.0500	0.0243	0.0250	-2.8	20.0
Trichlorofluoromethane	Ave	0.2302	0.2499	0.1000	0.0271	0.0250	8.6	20.0
1,1-Dichloroethene	Ave	0.1598	0.1852	0.1000	0.0290	0.0250	15.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1433	0.1594	0.0500	0.0278	0.0250	11.3	20.0
Acetone	Lin1		0.1375	0.0500	0.0516	0.0500	3.2	20.0
Iodomethane	Ave	0.3417	0.3773		0.0276	0.0250	10.4	20.0
Carbon disulfide	Ave	0.4724	0.5072	0.1000	0.0268	0.0250	7.4	20.0
Methyl acetate	Ave	0.3160	0.3172	0.1000	0.0251	0.0250	0.4	20.0
Methylene Chloride	Lin1		0.2518	0.1000	0.0280	0.0250	12.1	20.0
2-Methyl-2-propanol	Ave	0.0247	0.0268		0.543	0.500	8.5	20.0
Methyl tert-butyl ether	Ave	0.5904	0.6337	0.1000	0.0268	0.0250	7.3	20.0
trans-1,2-Dichloroethene	Ave	0.2039	0.2201	0.1000	0.0270	0.0250	7.9	20.0
1,1-Dichloroethane	Ave	0.3875	0.4191	0.1000	0.0270	0.0250	8.2	20.0
Vinyl acetate	Ave	0.0452	0.0520		0.0287	0.0250	14.9	20.0
2-Butanone (MEK)	Ave	0.1972	0.1971	0.0500	0.0500	0.0500	-0.0	20.0
cis-1,2-Dichloroethene	Ave	0.2330	0.2513	0.1000	0.0270	0.0250	7.8	20.0
2,2-Dichloropropane	Ave	0.1549	0.1698		0.0274	0.0250	9.7	20.0
Bromochloromethane	Ave	0.1328	0.1383		0.0260	0.0250	4.1	20.0
Chloroform	Ave	0.3663	0.3812	0.2000	0.0260	0.0250	4.0	20.0
1,1,1-Trichloroethane	Ave	0.2708	0.2940	0.1000	0.0271	0.0250	8.6	20.0
Cyclohexane	Ave	0.4244	0.4490	0.1000	0.0265	0.0250	5.8	20.0
1,1-Dichloropropene	Ave	0.2526	0.2717		0.0269	0.0250	7.6	20.0
Carbon tetrachloride	Ave	0.2485	0.2719	0.1000	0.0274	0.0250	9.4	20.0
1,2-Dichloroethane	Ave	0.3576	0.3803	0.1000	0.0266	0.0250	6.3	20.0
Benzene	Ave	0.7826	0.8557	0.5000	0.0273	0.0250	9.3	20.0
Trichloroethene	Ave	0.2378	0.2460	0.2000	0.0259	0.0250	3.5	20.0
Methylcyclohexane	Ave	0.3357	0.3532	0.1000	0.0263	0.0250	5.2	20.0
1,2-Dichloropropane	Ave	0.2160	0.2417	0.1000	0.0280	0.0250	11.9	20.0
Dibromomethane	Ave	0.1266	0.1422		0.0281	0.0250	12.4	20.0
Bromodichloromethane	Ave	0.2429	0.2683	0.1000	0.0276	0.0250	10.4	20.0
cis-1,3-Dichloropropene	Ave	0.2656	0.2715	0.1500	0.0256	0.0250	2.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3505	0.3545	0.0500	0.0506	0.0500	1.1	20.0
Toluene	Ave	1.237	1.291	0.4000	0.0261	0.0250	4.3	20.0
trans-1,3-Dichloropropene	Lin1		0.3426	0.1000	0.0233	0.0250	-6.9	20.0
1,1,2-Trichloroethane	Ave	0.2592	0.2754	0.1000	0.0266	0.0250	6.3	20.0
1,3-Dichloropropane	Ave	0.4181	0.4583		0.0274	0.0250	9.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-68830/12 Calibration Date: 12/15/2012 00:50

Instrument ID: A3UX8 Calib Start Date: 12/14/2012 21:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/15/2012 00:08

Lab File ID: UX82465.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloroethene	Ave	0.2630	0.2715	0.2000	0.0258	0.0250	3.3	20.0
2-Hexanone	Ave	0.3344	0.3247	0.0500	0.0485	0.0500	-2.9	20.0
Dibromochloromethane	Ave	0.2847	0.2958		0.0260	0.0250	3.9	20.0
1,2-Dibromoethane	Ave	0.2544	0.2818		0.0277	0.0250	10.8	20.0
Chlorobenzene	Ave	0.8463	0.8938	0.3000	0.0264	0.0250	5.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2722	0.3022		0.0278	0.0250	11.0	20.0
Ethylbenzene	Ave	0.4263	0.4489		0.0263	0.0250	5.3	20.0
m-Xylene & p-Xylene	Ave	0.5119	0.5516		0.0539	0.0500	7.7	20.0
o-Xylene	Ave	0.4877	0.5407		0.0277	0.0250	10.9	20.0
Styrene	Ave	0.7865	0.8887	0.3000	0.0282	0.0250	13.0	20.0
Bromoform	Lin1		0.1680	0.1000	0.0230	0.0250	-8.0	20.0
Isopropylbenzene	Ave	1.238	1.337	0.1000	0.0270	0.0250	8.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5790	0.6034	0.3000	0.0261	0.0250	4.2	20.0
Bromobenzene	Ave	0.7227	0.7800		0.0270	0.0250	7.9	20.0
1,2,3-Trichloropropane	Ave	0.2237	0.2413		0.0270	0.0250	7.9	20.0
N-Propylbenzene	Ave	0.6841	0.7724		0.0282	0.0250	12.9	20.0
2-Chlorotoluene	Ave	0.6314	0.6562		0.0260	0.0250	3.9	20.0
1,3,5-Trimethylbenzene	Ave	1.981	2.133		0.0269	0.0250	7.7	20.0
4-Chlorotoluene	Ave	0.6606	0.6966		0.0264	0.0250	5.5	20.0
tert-Butylbenzene	Ave	1.885	1.946		0.0258	0.0250	3.2	20.0
1,2,4-Trimethylbenzene	Ave	1.985	2.151		0.0271	0.0250	8.4	20.0
sec-Butylbenzene	Ave	2.479	2.546		0.0257	0.0250	2.7	20.0
1,3-Dichlorobenzene	Ave	1.335	1.358	0.6000	0.0254	0.0250	1.7	20.0
4-Isopropyltoluene	Ave	2.077	2.221		0.0267	0.0250	6.9	20.0
1,4-Dichlorobenzene	Ave	1.391	1.389	0.5000	0.0250	0.0250	-0.2	20.0
n-Butylbenzene	Ave	1.715	1.735		0.0253	0.0250	1.1	20.0
1,2-Dichlorobenzene	Ave	1.253	1.258	0.4000	0.0251	0.0250	0.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0931	0.0921	0.0500	0.0247	0.0250	-1.0	20.0
1,2,4-Trichlorobenzene	Ave	0.6400	0.5366	0.2000	0.0210	0.0250	-16.2	20.0
Hexachlorobutadiene	Qua		0.2372		0.0264	0.0250	5.6	20.0
Naphthalene	Ave	1.519	1.225		0.0202	0.0250	-19.4	20.0
1,2,3-Trichlorobenzene	Qua		0.4329		0.0238	0.0250	-4.7	20.0
Dibromofluoromethane (Surr)	Qua		0.2558		0.0517	0.0500	3.4	20.0
1,2-Dichloroethane-d4 (Surr)	Qua		0.3132		0.0505	0.0500	1.0	20.0
Toluene-d8 (Surr)	Qua		1.293		0.0520	0.0500	4.1	20.0
4-Bromofluorobenzene (Surr)	Qua		0.4436		0.0517	0.0500	3.5	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82465.D
Lims ID: ICV Client ID:
Inject. Date: 15-Dec-2012 00:50:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015873-012
Misc. Info.: M21214A,8260SUX8,,402279 =M21214A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 11
Lims Batch ID: 68830 Lims Sample ID: 12
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\8260_8.m
Last Update: 15-Dec-2012 14:27:33 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: latat Date: 15-Dec-2012 01:14:27

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.156	5.158	-0.002	99	1642552	50.0	
* 2 Chlorobenzene-d5	117	7.676	7.678	-0.002	98	1158331	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.876	9.878	-0.002	99	577663	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.624	4.626	-0.002	58	420167	51.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.884	4.886	-0.002	96	514372	50.5	
$ 7 Toluene-d8 (Surr)	98	6.422	6.424	-0.002	94	1497827	52.0	
$ 131 4-Bromofluorobenzene (Surr)	95	8.752	8.754	-0.002	93	513821	51.7	
12 Dichlorodifluoromethane	85	1.572	1.574	-0.002	96	124892	21.7	
13 Chloromethane	50	1.750	1.752	-0.002	100	249273	24.5	
14 Vinyl chloride	62	1.868	1.870	-0.002	98	152140	24.2	
15 Bromomethane	94	2.187	2.177	0.010	91	74414	21.0	
16 Chloroethane	64	2.282	2.272	0.010	95	93302	24.3	
18 Trichlorofluoromethane	101	2.507	2.509	-0.002	96	205234	27.1	
19 Ethyl ether	59	2.743	2.734	0.009	95	223038	27.5	
20 Acrolein	56	2.838	2.840	-0.002	94	113642	61.0	
21 1,1-Dichloroethene	96	2.933	2.923	0.010	97	152132	29.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.945	2.946	-0.002	90	130946	27.8	
22 Acetone	43	2.956	2.958	-0.002	97	225771	51.6	
24 Iodomethane	142	3.051	3.053	-0.002	99	309850	27.6	
26 Carbon disulfide	76	3.110	3.112	-0.002	98	416585	26.8	
27 Acetonitrile	41	3.169	3.171	-0.002	98	135860	78.0	
28 Methyl acetate	43	3.217	3.218	-0.001	98	260530	25.1	
30 Methylene Chloride	84	3.299	3.301	-0.002	92	206754	28.0	
31 2-Methyl-2-propanol	59	3.370	3.372	-0.002	91	440708	542.6	
32 Acrylonitrile	53	3.477	3.479	-0.002	97	342417	79.7	
34 Methyl tert-butyl ether	73	3.512	3.514	-0.002	84	520466	26.8	
33 trans-1,2-Dichloroethene	96	3.524	3.526	-0.002	68	180751	27.0	
35 Hexane	86	3.725	3.727	-0.002	95	49093	26.6	
36 1,1-Dichloroethane	63	3.832	3.833	-0.001	96	344227	27.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
37 Vinyl acetate	86	3.855	3.857	-0.002	97	42682	28.7	
38 Isopropyl ether	87	3.879	3.881	-0.002	91	178427	30.1	
42 cis-1,2-Dichloroethene	96	4.269	4.271	-0.002	88	206347	27.0	
41 2-Butanone (MEK)	43	4.269	4.271	-0.002	94	323690	50.0	
43 2,2-Dichloropropane	77	4.281	4.283	-0.002	74	139468	27.4	
47 Chlorobromomethane	128	4.459	4.449	0.011	91	113607	26.0	
48 Tetrahydrofuran	42	4.494	4.496	-0.002	92	104434	26.7	
49 Chloroform	83	4.506	4.508	-0.002	98	313031	26.0	
50 1,1,1-Trichloroethane	97	4.671	4.661	0.010	93	241414	27.1	
51 Cyclohexane	56	4.719	4.721	-0.002	96	368754	26.5	
52 1,1-Dichloropropene	75	4.790	4.792	-0.002	83	223163	26.9	
53 Carbon tetrachloride	117	4.802	4.803	-0.001	85	223308	27.4	
54 Isobutyl alcohol	41	4.813	4.815	-0.002	93	573258	1362.9	
55 Benzene	78	4.944	4.945	-0.001	94	702787	27.3	
56 1,2-Dichloroethane	62	4.944	4.945	-0.001	64	312295	26.6	
60 Trichloroethene	130	5.440	5.442	-0.002	90	202038	25.9	
63 Methylcyclohexane	83	5.606	5.608	-0.002	92	290069	26.3	
62 1,2-Dichloropropane	63	5.618	5.620	-0.002	78	198497	28.0	
65 Dibromomethane	93	5.712	5.714	-0.002	82	116807	28.1	
67 Dichlorobromomethane	83	5.819	5.821	-0.002	95	220327	27.6	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.186	6.187	-0.001	79	222985	25.6	
71 4-Methyl-2-pentanone (MIBK)	43	6.304	6.306	-0.002	98	582195	50.6	
72 Toluene	91	6.481	6.483	-0.002	93	747592	26.1	
73 trans-1,3-Dichloropropene	75	6.647	6.637	0.010	92	198418	23.3	
75 1,1,2-Trichloroethane	97	6.801	6.802	-0.001	96	159528	26.6	
77 Tetrachloroethene	164	6.954	6.956	-0.002	81	157265	25.8	
76 1,3-Dichloropropane	76	6.954	6.956	-0.002	90	265417	27.4	
78 2-Hexanone	43	7.002	7.003	-0.001	97	376057	48.5	
79 Chlorodibromomethane	129	7.155	7.157	-0.002	90	171328	26.0	
123 Ethylene Dibromide	107	7.274	7.276	-0.002	98	163211	27.7	
82 Chlorobenzene	112	7.711	7.713	-0.002	92	517649	26.4	
83 1,1,1,2-Tetrachloroethane	131	7.771	7.772	-0.001	88	175033	27.8	
84 Ethylbenzene	106	7.794	7.796	-0.002	98	259997	26.3	
10 m-Xylene & p-Xylene	106	7.901	7.902	-0.001	98	638882	53.9	
85 o-Xylene	106	8.267	8.269	-0.002	89	313177	27.7	
86 Styrene	104	8.279	8.281	-0.002	88	514728	28.2	
87 Bromoform	173	8.457	8.458	-0.001	96	97289	23.0	
88 Isopropylbenzene	105	8.610	8.612	-0.002	96	774305	27.0	
89 Cyclohexanone	55	8.693	8.695	-0.002	96	201385	95.7	
90 1,1,2,2-Tetrachloroethane	83	8.871	8.872	-0.001	88	174280	26.1	
91 Bromobenzene	156	8.918	8.908	0.010	81	225300	27.0	
92 1,2,3-Trichloropropane	110	8.930	8.920	0.010	76	69708	27.0	
93 trans-1,4-Dichloro-2-butene	53	8.930	8.932	-0.002	77	154117	53.8	
94 N-Propylbenzene	120	9.001	9.002	-0.001	98	223100	28.2	
95 2-Chlorotoluene	126	9.095	9.097	-0.002	97	189523	26.0	
96 1,3,5-Trimethylbenzene	105	9.166	9.168	-0.002	85	616123	26.9	
104 4-Chlorotoluene	126	9.190	9.192	-0.002	97	201199	26.4	
97 tert-Butylbenzene	119	9.486	9.487	-0.001	87	562089	25.8	
98 1,2,4-Trimethylbenzene	105	9.533	9.535	-0.002	85	621387	27.1	
99 sec-Butylbenzene	105	9.699	9.700	-0.001	94	735424	25.7	
100 1,3-Dichlorobenzene	146	9.817	9.819	-0.002	96	392133	25.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
101 4-Isopropyltoluene	119	9.841	9.842	-0.001	90	641552	26.7	
102 1,4-Dichlorobenzene	146	9.900	9.901	-0.001	94	401271	25.0	
103 1,2,3-Trimethylbenzene	105	9.947	9.949	-0.002	88	603256	26.1	
105 n-Butylbenzene	91	10.243	10.233	0.010	97	501018	25.3	
106 1,2-Dichlorobenzene	146	10.266	10.268	-0.002	98	363436	25.1	
107 1,2-Dibromo-3-Chloropropane	157	11.023	11.025	-0.002	60	26614	24.7	
109 1,2,4-Trichlorobenzene	180	11.863	11.853	0.010	94	154996	21.0	
110 Hexachlorobutadiene	225	12.029	12.031	-0.002	92	68512	26.4	
111 Naphthalene	128	12.100	12.102	-0.002	96	353782	20.2	
112 1,2,3-Trichlorobenzene	180	12.360	12.362	-0.002	96	125037	23.8	
S 136 Trihalomethanes, Total	1				0		102.6	
S 11 1,2-Dichloroethene, Total	96				0		53.9	
S 114 Xylenes, Total	106				0		81.6	

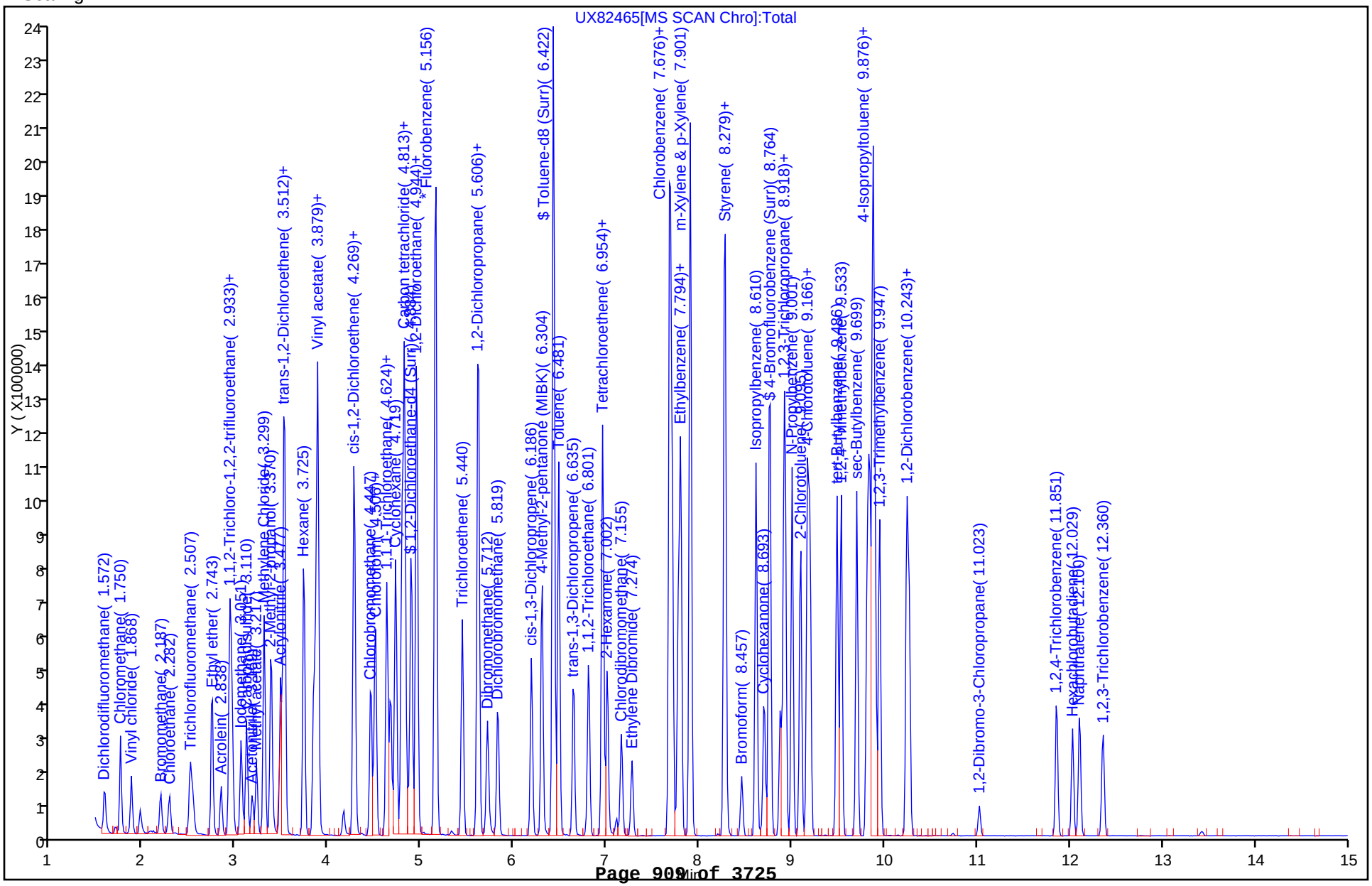
Report Date: 15-Dec-2012 14:27:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82465.D

Injection Date:	15-Dec-2012 00:50:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68830	Lims Sample ID:	12
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-68879/3 Calibration Date: 12/15/2012 17:36

Instrument ID: A3UX8 Calib Start Date: 12/14/2012 21:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/15/2012 00:08

Lab File ID: UX82494.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1748	0.1936	0.1000	0.0221	0.0200	10.7	20.0
Chloromethane	Ave	0.3103	0.3268	0.1000	0.0211	0.0200	5.3	20.0
Vinyl chloride	Ave	0.1917	0.2037	0.1000	0.0212	0.0200	6.2	20.0
Bromomethane	Ave	0.1080	0.1116	0.0500	0.0207	0.0200	3.3	20.0
Chloroethane	Ave	0.1169	0.1143	0.0500	0.0195	0.0200	-2.3	20.0
Trichlorofluoromethane	Ave	0.2302	0.2644	0.1000	0.0230	0.0200	14.8	20.0
1,1-Dichloroethene	Ave	0.1598	0.1751	0.1000	0.0219	0.0200	9.6	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1433	0.1627	0.0500	0.0227	0.0200	13.5	20.0
Acetone	Lin1		0.1383	0.0500	0.0404	0.0400	1.0	20.0
Iodomethane	Ave	0.3417	0.3519		0.0206	0.0200	3.0	20.0
Carbon disulfide	Ave	0.4724	0.5067	0.1000	0.0215	0.0200	7.3	20.0
Methyl acetate	Ave	0.3160	0.3361	0.1000	0.0425	0.0400	6.3	20.0
Methylene Chloride	Lin1		0.2630	0.1000	0.0231	0.0200	15.5	20.0
2-Methyl-2-propanol	Ave	0.0247	0.0269		0.435	0.400	8.8	20.0
Methyl tert-butyl ether	Ave	0.5904	0.6157	0.1000	0.0209	0.0200	4.3	20.0
trans-1,2-Dichloroethene	Ave	0.2039	0.2221	0.1000	0.0218	0.0200	9.0	20.0
1,1-Dichloroethane	Ave	0.3875	0.4030	0.1000	0.0208	0.0200	4.0	20.0
Vinyl acetate	Ave	0.0452	0.0438		0.0194	0.0200	-3.2	20.0
2-Butanone (MEK)	Ave	0.1972	0.1992	0.0500	0.0404	0.0400	1.0	20.0
cis-1,2-Dichloroethene	Ave	0.2330	0.2471	0.1000	0.0212	0.0200	6.1	20.0
2,2-Dichloropropane	Ave	0.1549	0.1729		0.0223	0.0200	11.7	20.0
Bromochloromethane	Ave	0.1328	0.1358		0.0205	0.0200	2.3	20.0
Chloroform	Ave	0.3663	0.3949	0.2000	0.0216	0.0200	7.8	20.0
1,1,1-Trichloroethane	Ave	0.2708	0.2979	0.1000	0.0220	0.0200	10.0	20.0
Cyclohexane	Ave	0.4244	0.4806	0.1000	0.0226	0.0200	13.2	20.0
1,1-Dichloropropene	Ave	0.2526	0.2801		0.0222	0.0200	10.9	20.0
Carbon tetrachloride	Ave	0.2485	0.2713	0.1000	0.0218	0.0200	9.2	20.0
1,2-Dichloroethane	Ave	0.3576	0.3815	0.1000	0.0213	0.0200	6.7	20.0
Benzene	Ave	0.7826	0.8460	0.5000	0.0216	0.0200	8.1	20.0
Trichloroethene	Ave	0.2378	0.2486	0.2000	0.0209	0.0200	4.6	20.0
Methylcyclohexane	Ave	0.3357	0.3786	0.1000	0.0226	0.0200	12.8	20.0
1,2-Dichloropropane	Ave	0.2160	0.2294	0.1000	0.0212	0.0200	6.2	20.0
Dibromomethane	Ave	0.1266	0.1360		0.0215	0.0200	7.5	20.0
Bromodichloromethane	Ave	0.2429	0.2721	0.1000	0.0224	0.0200	12.0	20.0
cis-1,3-Dichloropropene	Ave	0.2656	0.2685	0.1500	0.0202	0.0200	1.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3505	0.3518	0.0500	0.0401	0.0400	0.4	20.0
Toluene	Ave	1.237	1.269	0.4000	0.0205	0.0200	2.6	20.0
trans-1,3-Dichloropropene	Lin1		0.3217	0.1000	0.0177	0.0200	-11.5	20.0
1,1,2-Trichloroethane	Ave	0.2592	0.2620	0.1000	0.0202	0.0200	1.1	20.0
1,3-Dichloropropane	Ave	0.4181	0.4337		0.0207	0.0200	3.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-68879/3 Calibration Date: 12/15/2012 17:36

Instrument ID: A3UX8 Calib Start Date: 12/14/2012 21:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/15/2012 00:08

Lab File ID: UX82494.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloroethene	Ave	0.2630	0.2722	0.2000	0.0207	0.0200	3.5	20.0
2-Hexanone	Ave	0.3344	0.3257	0.0500	0.0390	0.0400	-2.6	20.0
Dibromochloromethane	Ave	0.2847	0.2823		0.0198	0.0200	-0.8	20.0
1,2-Dibromoethane	Ave	0.2544	0.2733		0.0215	0.0200	7.4	20.0
Chlorobenzene	Ave	0.8463	0.8612	0.3000	0.0204	0.0200	1.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2722	0.2856		0.0210	0.0200	4.9	20.0
Ethylbenzene	Ave	0.4263	0.4549		0.0213	0.0200	6.7	20.0
m-Xylene & p-Xylene	Ave	0.5119	0.5568		0.0435	0.0400	8.8	20.0
o-Xylene	Ave	0.4877	0.5281		0.0217	0.0200	8.3	20.0
Styrene	Ave	0.7865	0.8741	0.3000	0.0222	0.0200	11.1	20.0
Bromoform	Lin1		0.1606	0.1000	0.0178	0.0200	-11.0	20.0
Isopropylbenzene	Ave	1.238	1.352	0.1000	0.0218	0.0200	9.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5790	0.5954	0.3000	0.0206	0.0200	2.8	20.0
Bromobenzene	Ave	0.7227	0.7281		0.0202	0.0200	0.8	20.0
1,2,3-Trichloropropane	Ave	0.2237	0.2240		0.0200	0.0200	0.2	20.0
N-Propylbenzene	Ave	0.6841	0.7128		0.0208	0.0200	4.2	20.0
2-Chlorotoluene	Ave	0.6314	0.6333		0.0201	0.0200	0.3	20.0
1,3,5-Trimethylbenzene	Ave	1.981	2.096		0.0212	0.0200	5.8	20.0
4-Chlorotoluene	Ave	0.6606	0.6932		0.0210	0.0200	4.9	20.0
tert-Butylbenzene	Ave	1.885	1.883		0.0200	0.0200	-0.1	20.0
1,2,4-Trimethylbenzene	Ave	1.985	2.115		0.0213	0.0200	6.5	20.0
sec-Butylbenzene	Ave	2.479	2.574		0.0208	0.0200	3.8	20.0
1,3-Dichlorobenzene	Ave	1.335	1.334	0.6000	0.0200	0.0200	-0.1	20.0
4-Isopropyltoluene	Ave	2.077	2.227		0.0214	0.0200	7.2	20.0
1,4-Dichlorobenzene	Ave	1.391	1.405	0.5000	0.0202	0.0200	1.0	20.0
n-Butylbenzene	Ave	1.715	1.827		0.0213	0.0200	6.5	20.0
1,2-Dichlorobenzene	Ave	1.253	1.248	0.4000	0.0199	0.0200	-0.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0931	0.0941	0.0500	0.0202	0.0200	1.1	20.0
1,2,4-Trichlorobenzene	Ave	0.6400	0.6361	0.2000	0.0199	0.0200	-0.6	20.0
Naphthalene	Ave	1.519	1.331		0.0175	0.0200	-12.3	20.0
1,2,3-Trichlorobenzene	Qua		0.4933		0.0215	0.0200	7.5	20.0
Dibromofluoromethane (Surr)	Qua		0.2470		0.0495	0.0500	-1.0	20.0
1,2-Dichloroethane-d4 (Surr)	Qua		0.3151		0.0509	0.0500	1.8	20.0
Toluene-d8 (Surr)	Qua		1.203		0.0477	0.0500	-4.6	20.0
4-Bromofluorobenzene (Surr)	Qua		0.4189		0.0482	0.0500	-3.6	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82494.D
Lims ID: CCVIS Client ID:
Inject. Date: 15-Dec-2012 17:36:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0015886-003
Misc. Info.: M21215A,8260SUX8,,402279 =M21215A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 68879 Lims Sample ID: 3
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\8260_8.m
Last Update: 19-Dec-2012 02:39:19 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK028

First Level Reviewer: latat Date: 15-Dec-2012 17:57:24

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.156	5.156	0.0	99	1581713	50.0	
* 2 Chlorobenzene-d5	117	7.687	7.687	0.0	98	1154408	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.875	0.0	99	602285	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.624	4.624	0.0	58	390622	49.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.884	4.884	0.0	95	498299	50.9	
$ 7 Toluene-d8 (Surr)	98	6.421	6.421	0.0	95	1388208	47.7	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.763	0.0	94	483533	48.2	
12 Dichlorodifluoromethane	85	1.572	1.572	0.0	96	122475	22.1	
13 Chloromethane	50	1.749	1.749	0.0	99	206788	21.1	
14 Vinyl chloride	62	1.867	1.867	0.0	100	128856	21.2	
15 Bromomethane	94	2.187	2.187	0.0	91	70616	20.7	
16 Chloroethane	64	2.281	2.281	0.0	94	72287	19.5	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	95	167260	23.0	
20 Acrolein	56	2.837	2.837	0.0	94	362311	202.1	
21 1,1-Dichloroethene	96	2.932	2.932	0.0	95	110782	21.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.944	2.944	0.0	89	102930	22.7	
22 Acetone	43	2.956	2.956	0.0	96	175050	40.4	
24 Iodomethane	142	3.050	3.050	0.0	99	222660	20.6	
26 Carbon disulfide	76	3.109	3.109	0.0	97	320593	21.5	
27 Acetonitrile	41	3.169	3.169	0.0	99	343950	205.0	
28 Methyl acetate	43	3.216	3.216	0.0	98	425267	42.5	
30 Methylene Chloride	84	3.299	3.299	0.0	92	166367	23.1	
31 2-Methyl-2-propanol	59	3.382	3.382	0.0	92	340438	435.3	
32 Acrylonitrile	53	3.476	3.476	0.0	97	177821	43.0	
34 Methyl tert-butyl ether	73	3.523	3.523	0.0	86	389569	20.9	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.0	70	140543	21.8	
35 Hexane	86	3.736	3.736	0.0	96	40152	22.6	
36 1,1-Dichloroethane	63	3.831	3.831	0.0	98	254951	20.8	
37 Vinyl acetate	86	3.855	3.855	0.0	97	27716	19.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	4.269	4.269	0.0	73	156345	21.2	
41 2-Butanone (MEK)	43	4.269	4.269	0.0	95	252066	40.4	
43 2,2-Dichloropropane	77	4.280	4.280	0.0	72	109409	22.3	
47 Chlorobromomethane	128	4.458	4.458	0.0	93	85939	20.5	
48 Tetrahydrofuran	42	4.493	4.493	0.0	90	78615	20.8	
49 Chloroform	83	4.505	4.505	0.0	98	249824	21.6	
50 1,1,1-Trichloroethane	97	4.671	4.671	0.0	92	188497	22.0	
51 Cyclohexane	56	4.718	4.718	0.0	97	304067	22.6	
52 1,1-Dichloropropene	75	4.789	4.789	0.0	82	177241	22.2	
53 Carbon tetrachloride	117	4.801	4.801	0.0	86	171648	21.8	
56 1,2-Dichloroethane	62	4.943	4.943	0.0	60	241351	21.3	
55 Benzene	78	4.943	4.943	0.0	93	535248	21.6	
60 Trichloroethene	130	5.440	5.440	0.0	92	157297	20.9	
63 Methylcyclohexane	83	5.605	5.605	0.0	91	239510	22.6	
62 1,2-Dichloropropane	63	5.617	5.617	0.0	87	145152	21.2	
65 Dibromomethane	93	5.712	5.712	0.0	88	86041	21.5	
66 1,4-Dioxane	88	5.712	5.712	0.0	67	74329	1016.0	
67 Dichlorobromomethane	83	5.830	5.830	0.0	95	172149	22.4	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.185	6.185	0.0	78	169860	20.2	
71 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.0	98	445144	40.1	
72 Toluene	91	6.481	6.481	0.0	97	586049	20.5	
73 trans-1,3-Dichloropropene	75	6.646	6.646	0.0	95	148546	17.7	
74 Ethyl methacrylate	69	6.705	6.705	0.0	88	166417	21.4	
75 1,1,2-Trichloroethane	97	6.800	6.800	0.0	95	120988	20.2	
76 1,3-Dichloropropane	76	6.954	6.954	0.0	89	200242	20.7	
77 Tetrachloroethene	164	6.966	6.966	0.0	96	125682	20.7	
78 2-Hexanone	43	7.001	7.001	0.0	96	300822	39.0	
79 Chlorodibromomethane	129	7.155	7.155	0.0	88	130344	19.8	
123 Ethylene Dibromide	107	7.273	7.273	0.0	95	126181	21.5	
82 Chlorobenzene	112	7.711	7.711	0.0	92	397660	20.4	
83 1,1,1,2-Tetrachloroethane	131	7.770	7.770	0.0	89	131864	21.0	
84 Ethylbenzene	106	7.794	7.794	0.0	98	210062	21.3	
10 m-Xylene & p-Xylene	106	7.900	7.900	0.0	98	514182	43.5	
85 o-Xylene	106	8.267	8.267	0.0	89	243840	21.7	
86 Styrene	104	8.279	8.279	0.0	87	403607	22.2	
87 Bromoform	173	8.456	8.456	0.0	95	74144	17.8	
88 Isopropylbenzene	105	8.610	8.610	0.0	96	624189	21.8	
90 1,1,2,2-Tetrachloroethane	83	8.870	8.870	0.0	89	143450	20.6	
91 Bromobenzene	156	8.917	8.917	0.0	91	175420	20.2	
92 1,2,3-Trichloropropane	110	8.929	8.929	0.0	82	53971	20.0	
93 trans-1,4-Dichloro-2-butene	53	8.929	8.929	0.0	70	58745	19.7	
94 N-Propylbenzene	120	9.000	9.000	0.0	98	171719	20.8	
95 2-Chlorotoluene	126	9.095	9.095	0.0	97	152570	20.1	
96 1,3,5-Trimethylbenzene	105	9.166	9.166	0.0	85	505027	21.2	
104 4-Chlorotoluene	126	9.189	9.189	0.0	98	166991	21.0	
97 tert-Butylbenzene	119	9.485	9.485	0.0	90	453594	20.0	
98 1,2,4-Trimethylbenzene	105	9.532	9.532	0.0	73	509583	21.3	
99 sec-Butylbenzene	105	9.698	9.698	0.0	94	619994	20.8	
100 1,3-Dichlorobenzene	146	9.816	9.816	0.0	96	321291	20.0	
101 4-Isopropyltoluene	119	9.840	9.840	0.0	95	536569	21.4	
102 1,4-Dichlorobenzene	146	9.899	9.899	0.0	94	338471	20.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	10.242	10.242	0.0	96	440118	21.3	
106 1,2-Dichlorobenzene	146	10.266	10.266	0.0	98	300752	19.9	
107 1,2-Dibromo-3-Chloropropane	157	11.023	11.023	0.0	59	22680	20.2	
108 1,3,5-Trichlorobenzene	180	11.247	11.247	0.0	97	182727	19.9	
109 1,2,4-Trichlorobenzene	180	11.863	11.863	0.0	94	153251	19.9	
110 Hexachlorobutadiene	225	12.028	12.028	0.0	93	68680	25.1	
111 Naphthalene	128	12.099	12.099	0.0	96	320717	17.5	
112 1,2,3-Trichlorobenzene	180	12.359	12.359	0.0	96	118833	21.5	
S 136 Trihalomethanes, Total	1				0		81.6	
S 11 1,2-Dichloroethene, Total	96				0		43.0	
S 9 1,3-Dichloropropene, Total	75				0		37.9	
S 114 Xylenes, Total	106				0		65.2	

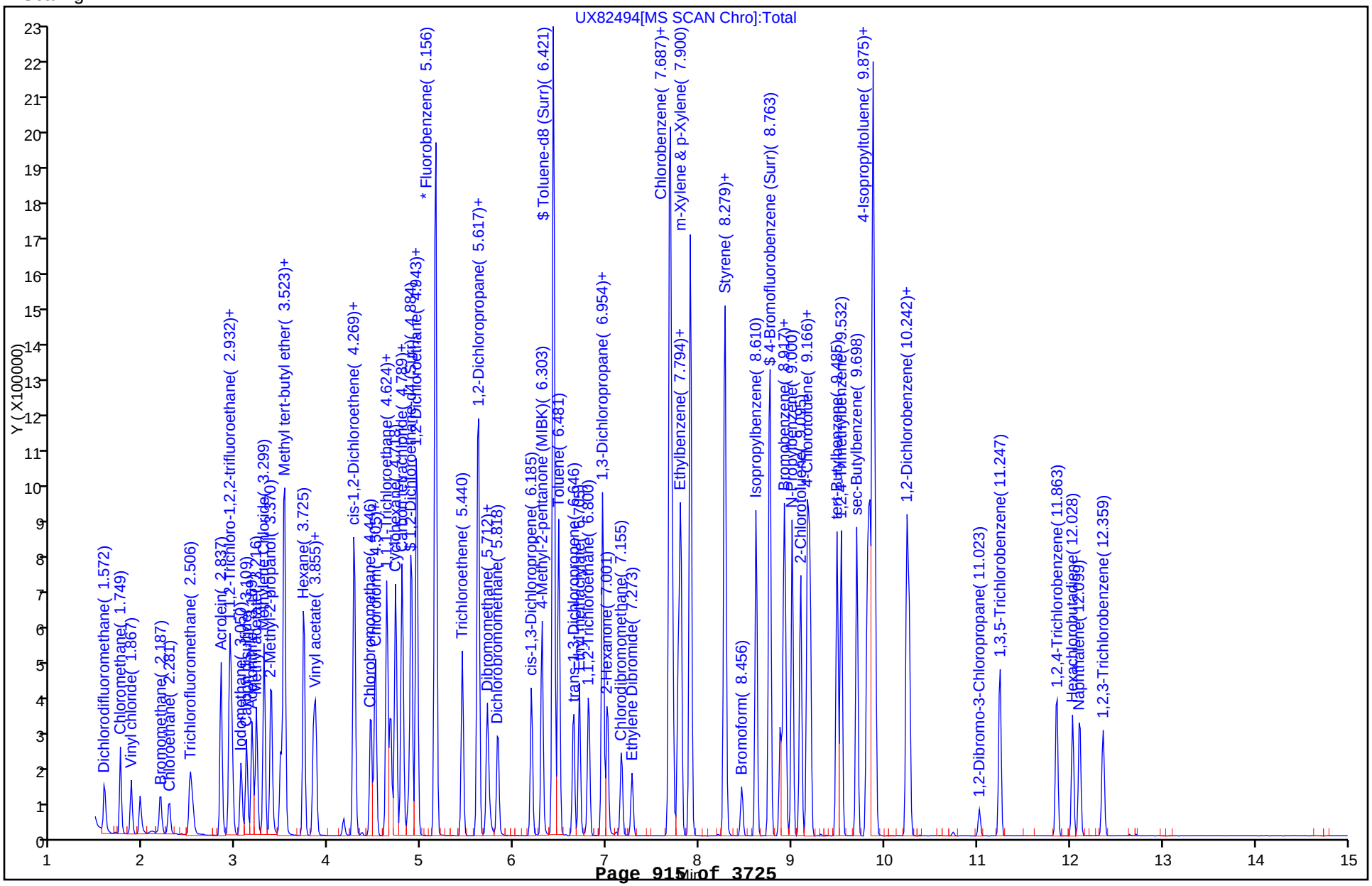
Report Date: 19-Dec-2012 02:39:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82494.D

Injection Date:	15-Dec-2012 17:36:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	3
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-68905/3 Calibration Date: 12/16/2012 23:43

Instrument ID: A3UX8 Calib Start Date: 12/14/2012 21:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/15/2012 00:08

Lab File ID: UX82527.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1748	0.1752	0.1000	0.0200	0.0200	0.2	20.0
Chloromethane	Ave	0.3103	0.3051	0.1000	0.0197	0.0200	-1.7	20.0
Vinyl chloride	Ave	0.1917	0.1919	0.1000	0.0200	0.0200	0.0	20.0
Bromomethane	Ave	0.1080	0.1053	0.0500	0.0195	0.0200	-2.5	20.0
Chloroethane	Ave	0.1169	0.1131	0.0500	0.0193	0.0200	-3.3	20.0
Trichlorofluoromethane	Ave	0.2302	0.2582	0.1000	0.0224	0.0200	12.2	20.0
1,1-Dichloroethene	Ave	0.1598	0.1844	0.1000	0.0231	0.0200	15.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1433	0.1533	0.0500	0.0214	0.0200	7.0	20.0
Acetone	Lin1		0.1519	0.0500	0.0449	0.0400	12.3	20.0
Iodomethane	Ave	0.3417	0.3622		0.0212	0.0200	6.0	20.0
Carbon disulfide	Ave	0.4724	0.5484	0.1000	0.0232	0.0200	16.1	20.0
Methyl acetate	Ave	0.3160	0.3417	0.1000	0.0433	0.0400	8.1	20.0
Methylene Chloride	Lin1		0.2704	0.1000	0.0238	0.0200	19.0	20.0
2-Methyl-2-propanol	Ave	0.0247	0.0250		0.405	0.400	1.2	20.0
Methyl tert-butyl ether	Ave	0.5904	0.6305	0.1000	0.0214	0.0200	6.8	20.0
trans-1,2-Dichloroethene	Ave	0.2039	0.2165	0.1000	0.0212	0.0200	6.2	20.0
1,1-Dichloroethane	Ave	0.3875	0.4124	0.1000	0.0213	0.0200	6.4	20.0
Vinyl acetate	Ave	0.0452	0.0391		0.0173	0.0200	-13.6	20.0
2-Butanone (MEK)	Ave	0.1972	0.2070	0.0500	0.0420	0.0400	5.0	20.0
cis-1,2-Dichloroethene	Ave	0.2330	0.2517	0.1000	0.0216	0.0200	8.0	20.0
2,2-Dichloropropane	Ave	0.1549	0.1835		0.0237	0.0200	18.5	20.0
Bromochloromethane	Ave	0.1328	0.1374		0.0207	0.0200	3.4	20.0
Chloroform	Ave	0.3663	0.3941	0.2000	0.0215	0.0200	7.6	20.0
1,1,1-Trichloroethane	Ave	0.2708	0.3009	0.1000	0.0222	0.0200	11.1	20.0
Cyclohexane	Ave	0.4244	0.4861	0.1000	0.0229	0.0200	14.6	20.0
1,1-Dichloropropene	Ave	0.2526	0.2782		0.0220	0.0200	10.1	20.0
Carbon tetrachloride	Ave	0.2485	0.2833	0.1000	0.0228	0.0200	14.0	20.0
1,2-Dichloroethane	Ave	0.3576	0.3869	0.1000	0.0216	0.0200	8.2	20.0
Benzene	Ave	0.7826	0.8408	0.5000	0.0215	0.0200	7.4	20.0
Trichloroethene	Ave	0.2378	0.2446	0.2000	0.0206	0.0200	2.9	20.0
Methylcyclohexane	Ave	0.3357	0.3718	0.1000	0.0222	0.0200	10.8	20.0
1,2-Dichloropropane	Ave	0.2160	0.2289	0.1000	0.0212	0.0200	6.0	20.0
Dibromomethane	Ave	0.1266	0.1394		0.0220	0.0200	10.1	20.0
Bromodichloromethane	Ave	0.2429	0.2750	0.1000	0.0226	0.0200	13.2	20.0
cis-1,3-Dichloropropene	Ave	0.2656	0.2849	0.1500	0.0215	0.0200	7.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3505	0.3431	0.0500	0.0392	0.0400	-2.1	20.0
Toluene	Ave	1.237	1.311	0.4000	0.0212	0.0200	5.9	20.0
trans-1,3-Dichloropropene	Lin1		0.3439	0.1000	0.0189	0.0200	-5.7	20.0
1,1,2-Trichloroethane	Ave	0.2592	0.2786	0.1000	0.0215	0.0200	7.5	20.0
1,3-Dichloropropane	Ave	0.4181	0.4569		0.0219	0.0200	9.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-68905/3 Calibration Date: 12/16/2012 23:43

Instrument ID: A3UX8 Calib Start Date: 12/14/2012 21:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/15/2012 00:08

Lab File ID: UX82527.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloroethene	Ave	0.2630	0.2822	0.2000	0.0215	0.0200	7.3	20.0
2-Hexanone	Ave	0.3344	0.3303	0.0500	0.0395	0.0400	-1.2	20.0
Dibromochloromethane	Ave	0.2847	0.3140		0.0221	0.0200	10.3	20.0
1,2-Dibromoethane	Ave	0.2544	0.2856		0.0224	0.0200	12.2	20.0
Chlorobenzene	Ave	0.8463	0.8844	0.3000	0.0209	0.0200	4.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2722	0.3085		0.0227	0.0200	13.3	20.0
Ethylbenzene	Ave	0.4263	0.4517		0.0212	0.0200	5.9	20.0
m-Xylene & p-Xylene	Ave	0.5119	0.5603		0.0438	0.0400	9.4	20.0
o-Xylene	Ave	0.4877	0.5302		0.0217	0.0200	8.7	20.0
Styrene	Ave	0.7865	0.8877	0.3000	0.0226	0.0200	12.9	20.0
Bromoform	Lin1		0.1798	0.1000	0.0198	0.0200	-0.9	20.0
Isopropylbenzene	Ave	1.238	1.343	0.1000	0.0217	0.0200	8.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5790	0.6234	0.3000	0.0215	0.0200	7.7	20.0
Bromobenzene	Ave	0.7227	0.7634		0.0211	0.0200	5.6	20.0
1,2,3-Trichloropropane	Ave	0.2237	0.2469		0.0221	0.0200	10.4	20.0
N-Propylbenzene	Ave	0.6841	0.7602		0.0222	0.0200	11.1	20.0
2-Chlorotoluene	Ave	0.6314	0.6941		0.0220	0.0200	9.9	20.0
1,3,5-Trimethylbenzene	Ave	1.981	2.139		0.0216	0.0200	8.0	20.0
4-Chlorotoluene	Ave	0.6606	0.6969		0.0211	0.0200	5.5	20.0
tert-Butylbenzene	Ave	1.885	1.928		0.0205	0.0200	2.3	20.0
1,2,4-Trimethylbenzene	Ave	1.985	2.160		0.0218	0.0200	8.8	20.0
sec-Butylbenzene	Ave	2.479	2.597		0.0210	0.0200	4.8	20.0
1,3-Dichlorobenzene	Ave	1.335	1.351	0.6000	0.0202	0.0200	1.2	20.0
4-Isopropyltoluene	Ave	2.077	2.251		0.0217	0.0200	8.4	20.0
1,4-Dichlorobenzene	Ave	1.391	1.404	0.5000	0.0202	0.0200	0.9	20.0
n-Butylbenzene	Ave	1.715	1.805		0.0211	0.0200	5.3	20.0
1,2-Dichlorobenzene	Ave	1.253	1.241	0.4000	0.0198	0.0200	-1.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0931	0.0853	0.0500	0.0183	0.0200	-8.3	20.0
1,2,4-Trichlorobenzene	Ave	0.6400	0.5725	0.2000	0.0179	0.0200	-10.5	20.0
Hexachlorobutadiene	Qua		0.2676		0.0232	0.0200	15.9	20.0
1,2,3-Trichlorobenzene	Qua		0.4423		0.0190	0.0200	-4.9	20.0
Dibromofluoromethane (Surr)	Qua		0.2486		0.0499	0.0500	-0.2	20.0
1,2-Dichloroethane-d4 (Surr)	Qua		0.3144		0.0508	0.0500	1.5	20.0
Toluene-d8 (Surr)	Qua		1.228		0.0489	0.0500	-2.1	20.0
4-Bromofluorobenzene (Surr)	Qua		0.4236		0.0489	0.0500	-2.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82527.D
Lims ID: CCVIS Client ID:
Inject. Date: 16-Dec-2012 23:43:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0015896-003
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 68905 Lims Sample ID: 3
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:05 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 00:09:35

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.156	5.156	0.0	99	1560381	50.0	
* 2 Chlorobenzene-d5	117	7.687	7.687	0.0	98	1096053	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.875	0.0	98	556088	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.623	0.0	58	387879	49.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.884	4.884	0.0	95	490518	50.8	
$ 7 Toluene-d8 (Surr)	98	6.421	6.421	0.0	95	1346099	48.9	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.763	0.0	95	464305	48.9	
12 Dichlorodifluoromethane	85	1.583	1.583	0.0	96	109356	20.0	
13 Chloromethane	50	1.749	1.749	0.0	100	190403	19.7	
14 Vinyl chloride	62	1.867	1.867	0.0	99	119743	20.0	
15 Bromomethane	94	2.187	2.187	0.0	90	65745	19.5	
16 Chloroethane	64	2.281	2.281	0.0	94	70560	19.3	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	84	161131	22.4	
20 Acrolein	56	2.837	2.837	0.0	93	351250	198.6	
21 1,1-Dichloroethene	96	2.932	2.932	0.0	96	115080	23.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.944	2.944	0.0	89	95696	21.4	
22 Acetone	43	2.956	2.956	0.0	97	189553	44.9	
24 Iodomethane	142	3.050	3.050	0.0	99	226071	21.2	
26 Carbon disulfide	76	3.109	3.109	0.0	98	342293	23.2	
27 Acetonitrile	41	3.168	3.168	0.0	99	350186	211.6	
28 Methyl acetate	43	3.216	3.216	0.0	98	426576	43.3	
30 Methylene Chloride	84	3.299	3.299	0.0	91	168747	23.8	
31 2-Methyl-2-propanol	59	3.369	3.369	0.0	89	312338	404.8	
32 Acrylonitrile	53	3.476	3.476	0.0	97	177170	43.4	
34 Methyl tert-butyl ether	73	3.523	3.523	0.0	86	393509	21.4	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.0	69	135131	21.2	
35 Hexane	86	3.736	3.736	0.0	94	37562	21.4	
36 1,1-Dichloroethane	63	3.831	3.831	0.0	98	257399	21.3	
37 Vinyl acetate	86	3.854	3.854	0.0	97	24401	17.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
41 2-Butanone (MEK)	43	4.268	4.268	0.0	96	258380	42.0	
42 cis-1,2-Dichloroethene	96	4.268	4.268	0.0	87	157111	21.6	
43 2,2-Dichloropropane	77	4.280	4.280	0.0	74	114504	23.7	
47 Chlorobromomethane	128	4.458	4.458	0.0	92	85767	20.7	
48 Tetrahydrofuran	42	4.493	4.493	0.0	89	78773	21.2	
49 Chloroform	83	4.505	4.505	0.0	99	245979	21.5	
50 1,1,1-Trichloroethane	97	4.659	4.659	0.0	90	187815	22.2	
51 Cyclohexane	56	4.718	4.718	0.0	96	303419	22.9	
52 1,1-Dichloropropene	75	4.789	4.789	0.0	80	173606	22.0	
53 Carbon tetrachloride	117	4.801	4.801	0.0	78	176799	22.8	
55 Benzene	78	4.943	4.943	0.0	93	524781	21.5	
56 1,2-Dichloroethane	62	4.943	4.943	0.0	61	241482	21.6	
60 Trichloroethene	130	5.439	5.439	0.0	93	152661	20.6	
63 Methylcyclohexane	83	5.605	5.605	0.0	89	232077	22.2	
62 1,2-Dichloropropane	63	5.617	5.617	0.0	86	142850	21.2	
65 Dibromomethane	93	5.712	5.712	0.0	86	86999	22.0	
66 1,4-Dioxane	88	5.712	5.712	0.0	74	74371	1030.5	
67 Dichlorobromomethane	83	5.818	5.818	0.0	90	171659	22.6	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.185	6.185	0.0	79	177824	21.5	
71 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.0	98	428279	39.2	
72 Toluene	91	6.480	6.480	0.0	96	574567	21.2	
73 trans-1,3-Dichloropropene	75	6.646	6.646	0.0	89	150779	18.9	
74 Ethyl methacrylate	69	6.705	6.705	0.0	87	160146	21.7	
75 1,1,2-Trichloroethane	97	6.800	6.800	0.0	94	122163	21.5	
77 Tetrachloroethene	164	6.954	6.954	0.0	79	123704	21.5	
76 1,3-Dichloropropane	76	6.954	6.954	0.0	93	200296	21.9	
78 2-Hexanone	43	7.001	7.001	0.0	96	289605	39.5	
79 Chlorodibromomethane	129	7.155	7.155	0.0	89	137645	22.1	
123 Ethylene Dibromide	107	7.273	7.273	0.0	97	125206	22.4	
82 Chlorobenzene	112	7.711	7.711	0.0	94	387757	20.9	
83 1,1,1,2-Tetrachloroethane	131	7.770	7.770	0.0	89	135230	22.7	
84 Ethylbenzene	106	7.793	7.793	0.0	98	198019	21.2	
10 m-Xylene & p-Xylene	106	7.900	7.900	0.0	98	491278	43.8	
85 o-Xylene	106	8.267	8.267	0.0	90	232453	21.7	
86 Styrene	104	8.278	8.278	0.0	86	389169	22.6	
87 Bromoform	173	8.456	8.456	0.0	95	78844	19.8	
88 Isopropylbenzene	105	8.610	8.610	0.0	96	588819	21.7	
90 1,1,2,2-Tetrachloroethane	83	8.870	8.870	0.0	88	138673	21.5	
91 Bromobenzene	156	8.917	8.917	0.0	89	169810	21.1	
92 1,2,3-Trichloropropane	110	8.929	8.929	0.0	81	54925	22.1	
93 trans-1,4-Dichloro-2-butene	53	8.929	8.929	0.0	72	58699	21.3	
94 N-Propylbenzene	120	9.000	9.000	0.0	98	169088	22.2	
95 2-Chlorotoluene	126	9.095	9.095	0.0	97	154397	22.0	
96 1,3,5-Trimethylbenzene	105	9.165	9.165	0.0	93	475897	21.6	
104 4-Chlorotoluene	126	9.189	9.189	0.0	98	155021	21.1	
97 tert-Butylbenzene	119	9.485	9.485	0.0	91	428847	20.5	
98 1,2,4-Trimethylbenzene	105	9.532	9.532	0.0	77	480425	21.8	
99 sec-Butylbenzene	105	9.698	9.698	0.0	94	577673	21.0	
100 1,3-Dichlorobenzene	146	9.816	9.816	0.0	96	300516	20.2	
101 4-Isopropyltoluene	119	9.840	9.840	0.0	91	500751	21.7	
102 1,4-Dichlorobenzene	146	9.899	9.899	0.0	92	312404	20.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	10.242	10.242	0.0	96	401552	21.1	
106 1,2-Dichlorobenzene	146	10.266	10.266	0.0	97	276032	19.8	
107 1,2-Dibromo-3-Chloropropane	157	11.023	11.023	0.0	52	18983	18.3	
108 1,3,5-Trichlorobenzene	180	11.247	11.247	0.0	97	158205	18.7	
109 1,2,4-Trichlorobenzene	180	11.862	11.862	0.0	93	127348	17.9	
110 Hexachlorobutadiene	225	12.028	12.028	0.0	88	59519	23.2	
111 Naphthalene	128	12.111	12.111	0.0	96	257959	15.3	
112 1,2,3-Trichlorobenzene	180	12.359	12.359	0.0	96	98384	19.0	
S 136 Trihalomethanes, Total	1				0		86.0	
S 11 1,2-Dichloroethene, Total	96				0		42.8	
S 9 1,3-Dichloropropene, Total	75				0		40.3	
S 114 Xylenes, Total	106				0		65.5	

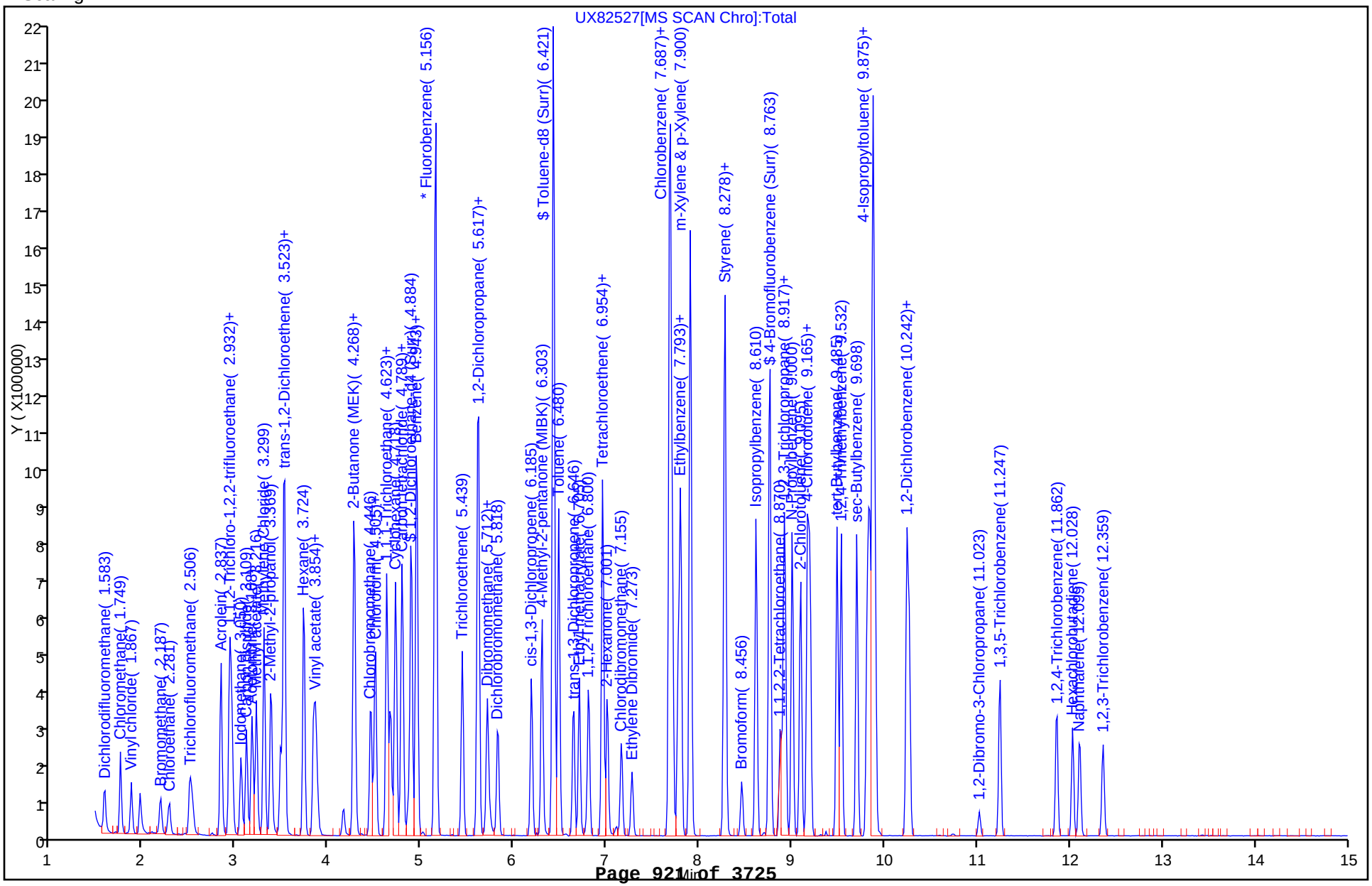
Report Date: 20-Dec-2012 03:33:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82527.D

Injection Date:	16-Dec-2012 23:43:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	3
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A3UX11\20121211-15710.b\BFB030F.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	11-Dec-2012 11:08:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:			
Misc. Info.:	J21211A-IC,BFBUX11,,43582 =J21211A-IC,BFBUX11,,43582		
Operator:	43582	Instrument ID:	A3UX11
Purge Vol:	5.000 mL	ALS Bottle#:	32
Lims Batch ID:	68124	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A3UX11\20121211-15710.b\8260_11.m		
Last Update:	12-Dec-2012 10:57:15	Calib Date:	11-Dec-2012 15:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK008		
First Level Reviewer: evansle		Date:	12-Dec-2012 10:57:15

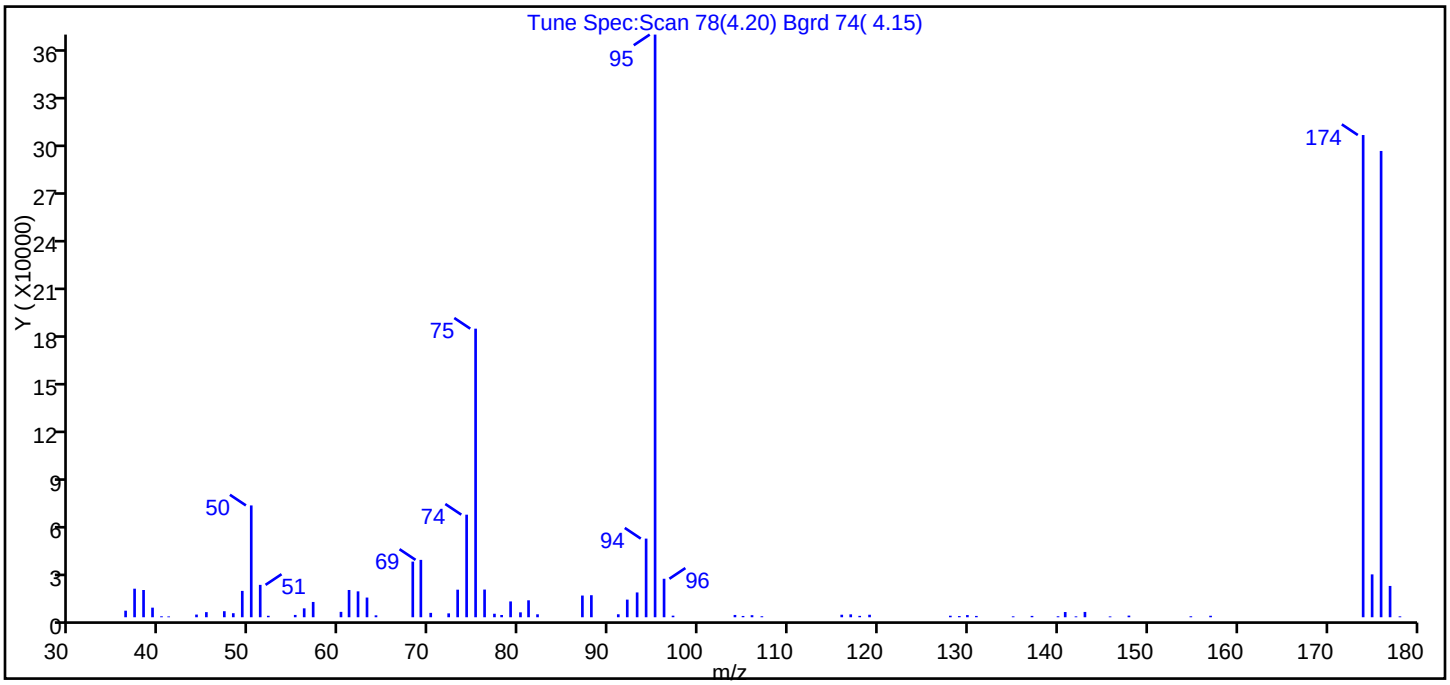
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 134 BFB	95	4.196	4.196	0.0	0	598011	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX11\20121211-15710.b\BFB030F.D		
Injection Date:	11-Dec-2012 11:08:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68124	Lims Sample ID:	1
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 134 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.19
75	30.00 - 60.00% of mass 95	49.53
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	82.76
175	5.00 - 9.00% of mass 174	7.36 (8.89)
176	95.00 - 101.00% of mass 174	80.03 (96.70)
177	5.00 - 9.00% of mass 176	5.37 (6.72)

Data File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\BFB030F.D\8260_11.rslt\spectra.d
Injection Date: 11-Dec-2012 11:08:30
Spectrum: Tune Spec:Scan 78(4.20) Bgrd 74(4.15)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	4062	61.00	16872	87.00	13435	129.00	737
37.10	17672	62.00	16026	88.00	13642	129.90	1348
38.10	16864	63.00	12188	91.00	1850	130.90	819
39.10	5941	64.00	1195	92.00	10915	135.00	568
40.10	592	68.10	34432	93.10	15356	137.10	844
40.90	516	69.00	35504	94.10	48664	140.00	614
44.00	1664	70.10	2714	95.10	360512	140.80	3240
45.10	3172	72.10	2405	96.10	23824	142.00	559
47.10	3741	73.10	17064	97.10	987	143.00	3289
48.10	2505	74.10	63472	104.00	1424	145.80	519
49.10	16310	75.10	178560	104.90	802	147.90	1013
50.10	69192	76.10	17144	105.90	1287	154.80	612
51.10	20040	77.20	2180	107.00	621	157.00	922
52.00	912	78.00	1403	115.90	1562	174.00	298368
55.00	1439	79.00	9792	116.90	1792	175.00	26528
56.00	5519	80.10	3041	117.90	866	176.00	288512
57.00	9467	81.00	10492	119.00	1552	177.00	19376
60.10	3341	82.00	1825	128.00	946	178.10	552

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A3UX11\20121212-15761.b\BFB031C.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	12-Dec-2012 10:59:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:			
Misc. Info.:	J21212A,BFBUX11,,43582 =J21212A,BFBUX11,,43582		
Operator:	43582	Instrument ID:	A3UX11
Purge Vol:	5.000 mL	ALS Bottle#:	31
Lims Batch ID:	68395	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A3UX11\20121212-15761.b\8260_11.m		
Last Update:	13-Dec-2012 09:33:35	Calib Date:	11-Dec-2012 15:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK019		
First Level Reviewer: evansle		Date:	12-Dec-2012 11:30:08

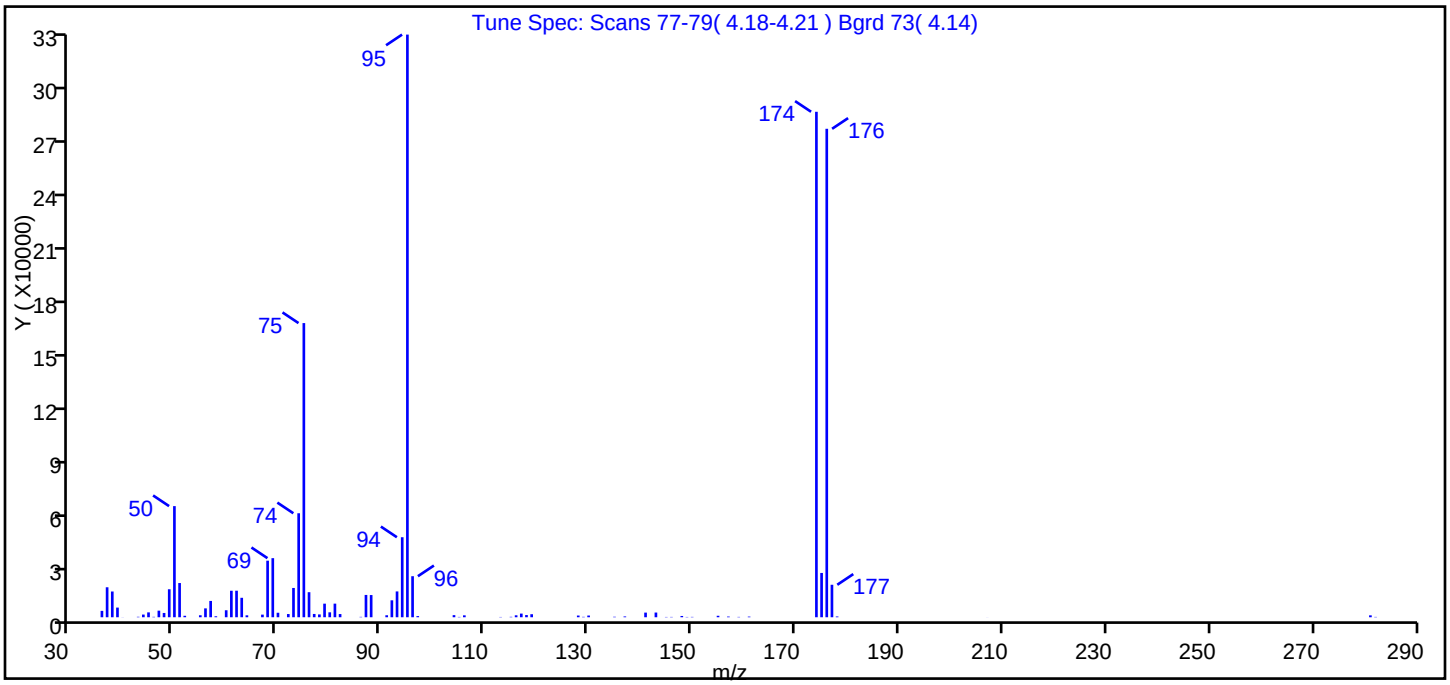
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 134 BFB	95	4.196	4.196	0.0	0	743557	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX11\20121212-15761.b\BFB031C.D		
Injection Date:	12-Dec-2012 10:59:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68395	Lims Sample ID:	1
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 134 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.07
75	30.00 - 60.00% of mass 95	50.49
96	5.00 - 9.00% of mass 95	7.04
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	86.75
175	5.00 - 9.00% of mass 174	7.60 (8.77)
176	95.00 - 101.00% of mass 174	83.83 (96.63)
177	5.00 - 9.00% of mass 176	5.58 (6.65)

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\BFB031C.D\8260_11.rslt\spectra.d
Injection Date: 12-Dec-2012 10:59:30
Spectrum: Tune Spec: Scans 77-79(4.18-4.21) Bgrd 73(4.14)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3533	62.00	14677	91.00	1106	141.00	2569
37.00	16584	63.00	10764	92.00	9369	143.00	2607
38.00	14244	64.00	1069	93.00	14284	145.00	172
39.00	5348	67.00	1457	94.00	44256	146.00	187
40.00	51	68.00	31288	95.00	322240	148.00	708
43.00	258	69.00	32680	96.00	22696	149.00	167
44.00	1492	70.00	2487	97.00	638	150.00	205
45.00	2693	72.00	1776	104.00	1170	155.00	819
46.00	229	73.00	16201	105.00	184	157.00	390
47.00	3644	74.00	57512	106.00	1064	159.00	198
48.00	2373	75.00	162688	113.00	166	161.00	366
49.00	15482	76.00	13856	115.00	241	174.00	279552
50.00	61464	77.00	1825	116.00	1086	175.00	24504
51.00	18928	78.00	1564	117.00	2028	176.00	270144
52.00	815	79.00	7519	118.00	1219	177.00	17968
55.00	1095	80.00	2727	119.00	1685	178.00	432
56.00	4915	81.00	7532	128.00	952	207.00	27
57.00	9023	82.00	1765	129.00	228	281.00	1056
58.00	542	86.00	217	130.00	954	282.00	189
60.00	3873	87.00	12340	135.00	274		
61.00	14663	88.00	12279	137.00	451		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A3UX8\20121214-15873.b\BFB8153.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	14-Dec-2012 20:55:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	240-0015873-001		
Misc. Info.:	M21214A,BFBSUX8,,402279		
Operator:	402279	Instrument ID:	A3UX8
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	68830	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A3UX8\20121214-15873.b\8260_8.m		
Last Update:	15-Dec-2012 14:27:25	Calib Date:	15-Dec-2012 00:08:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK008		
First Level Reviewer: latat		Date:	14-Dec-2012 22:00:44

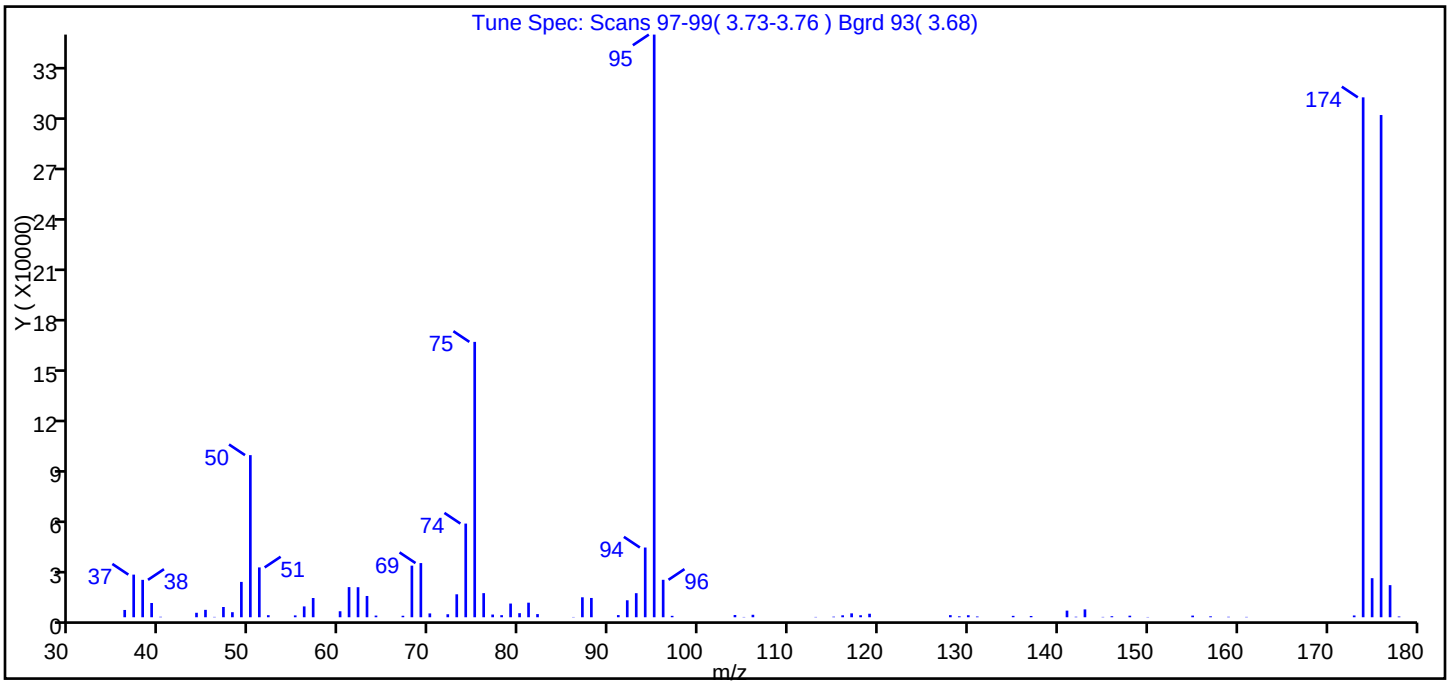
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.744	3.744	0.0	0	1012415	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121214-15873.b\BFB8153.D		
Injection Date:	14-Dec-2012 20:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68830	Lims Sample ID:	1
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.82
75	30.00 - 60.00% of mass 95	47.26
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.31 (0.35)
174	Greater than 50.00% of mass 95	89.23
175	5.00 - 9.00% of mass 174	6.70 (7.51)
176	95.00 - 101.00% of mass 174	86.19 (96.60)
177	5.00 - 9.00% of mass 176	5.51 (6.40)

Data File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\BFB8153.D\8260_8.rslt\spectra.d
Injection Date: 14-Dec-2012 20:55:30
Spectrum: Tune Spec: Scans 97-99(3.73-3.76) Bgrd 93(3.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 79

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4363	63.00	12712	91.00	1288	135.00	842
37.00	25480	64.00	1004	92.00	10145	137.00	759
38.00	22352	67.00	891	93.00	14384	141.00	3964
39.00	8525	68.00	30832	94.00	41664	142.00	316
40.00	281	69.00	32376	95.00	348160	143.00	4698
44.00	2673	70.00	2297	96.00	22384	145.00	210
45.00	4428	72.00	1795	97.00	849	146.00	619
46.00	216	73.00	13720	104.00	1339	148.00	934
47.00	6123	74.00	55976	105.00	179	150.00	168
48.00	3020	75.00	164544	106.00	1482	155.00	986
49.00	21128	76.00	14404	113.00	196	157.00	558
50.00	96872	77.00	1625	115.00	351	159.00	282
51.00	29784	78.00	1237	116.00	1169	161.00	221
52.00	1234	79.00	8189	117.00	2337	173.00	1072
55.00	1107	80.00	2434	118.00	1202	174.00	310656
56.00	6477	81.00	8707	119.00	2101	175.00	23344
57.00	11499	82.00	1884	128.00	1259	176.00	300096
60.00	3588	86.00	170	129.00	561	177.00	19192
61.00	18016	87.00	11933	130.00	1210	178.00	456
62.00	17960	88.00	11532	131.00	461		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A3UX8\20121215-15886.b\BFB8155.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	15-Dec-2012 16:52:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	240-0015886-001		
Misc. Info.:	M21215A,BFBSUX8,,402279		
Operator:	402279	Instrument ID:	A3UX8
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	68879	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A3UX8\20121215-15886.b\8260_8.m		
Last Update:	19-Dec-2012 02:39:18	Calib Date:	15-Dec-2012 00:08:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK028		
First Level Reviewer: latat		Date:	15-Dec-2012 17:13:09

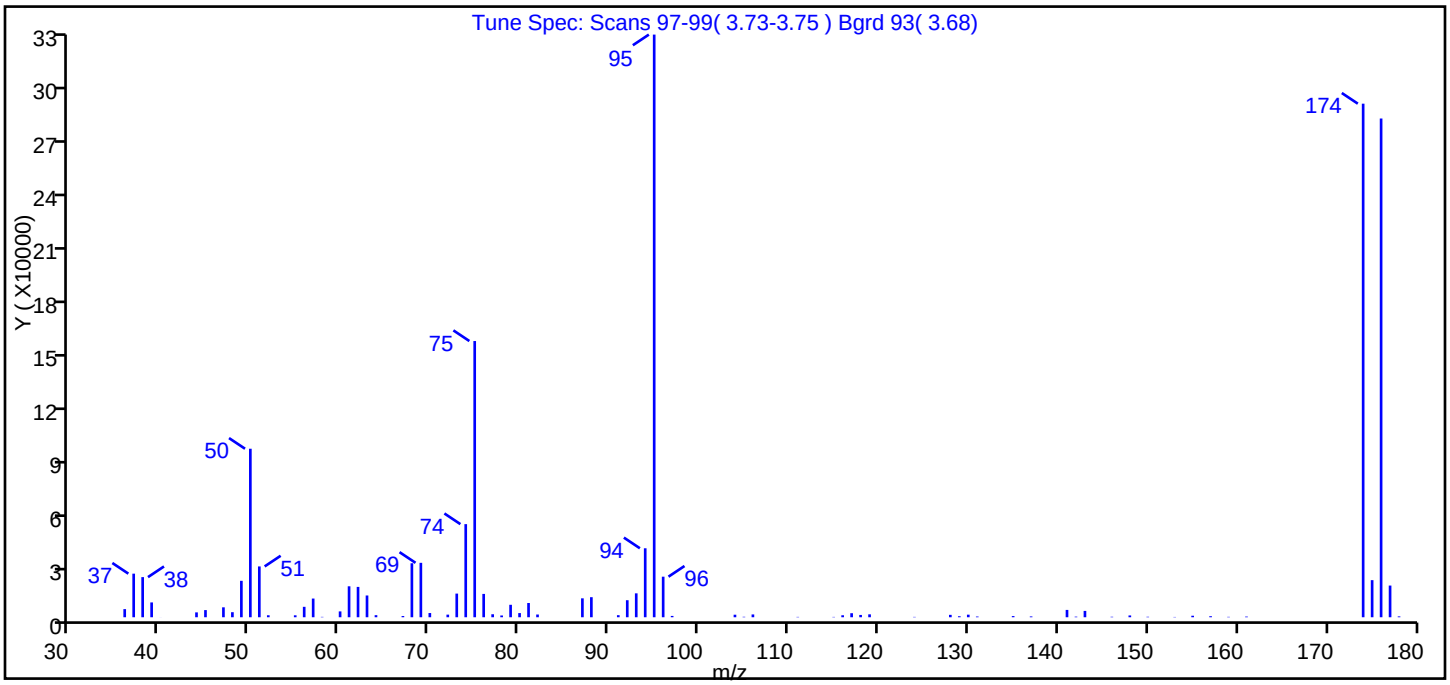
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.743	3.743	0.0	0	947808	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121215-15886.b\BFB8155.D		
Injection Date:	15-Dec-2012 16:52:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	1
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	28.92
75	30.00 - 60.00% of mass 95	47.41
96	5.00 - 9.00% of mass 95	6.96
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	88.14
175	5.00 - 9.00% of mass 174	6.37 (7.22)
176	95.00 - 101.00% of mass 174	85.60 (97.11)
177	5.00 - 9.00% of mass 176	5.44 (6.36)

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\BFB8155.D\8260_8.rslt\spectra.d
Injection Date: 15-Dec-2012 16:52:30
Spectrum: Tune Spec: Scans 97-99(3.73-3.75) Bgrd 93(3.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4599	63.00	12302	92.00	9630	135.00	662
37.00	24640	64.00	1179	93.00	13515	137.00	468
38.00	22680	67.00	684	94.00	38984	141.00	4143
39.00	8383	68.00	30520	95.00	329280	142.00	352
40.00	24	69.00	30760	96.00	22928	143.00	3583
44.00	2756	70.00	2388	97.00	756	146.00	280
45.00	4048	72.00	1481	104.00	1436	148.00	1020
47.00	5615	73.00	13370	105.00	265	150.00	276
48.00	2857	74.00	52624	106.00	1595	153.00	172
49.00	20592	75.00	156096	111.00	205	155.00	856
50.00	95232	76.00	13196	115.00	196	157.00	587
51.00	28720	77.00	1704	116.00	1128	159.00	235
52.00	1126	78.00	1002	117.00	2287	161.00	387
55.00	1102	79.00	7045	118.00	1308	174.00	290240
56.00	5898	80.00	2361	119.00	1650	175.00	20968
57.00	10571	81.00	8052	124.00	207	176.00	281856
58.00	221	82.00	1548	128.00	1362	177.00	17912
60.00	3307	87.00	10696	129.00	568	178.00	485
61.00	17496	88.00	11340	130.00	1462		
62.00	17152	91.00	1176	131.00	418		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\BFB8156.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	16-Dec-2012 22:59:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	240-0015896-001		
Misc. Info.:	M21216A,BFBSUX8,,402279		
Operator:	402279	Instrument ID:	A3UX8
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	68905	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m		
Last Update:	20-Dec-2012 03:33:03	Calib Date:	15-Dec-2012 00:08:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK025		
First Level Reviewer: latat		Date:	16-Dec-2012 23:27:48

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.741	3.741	0.0	0	1021194	0	

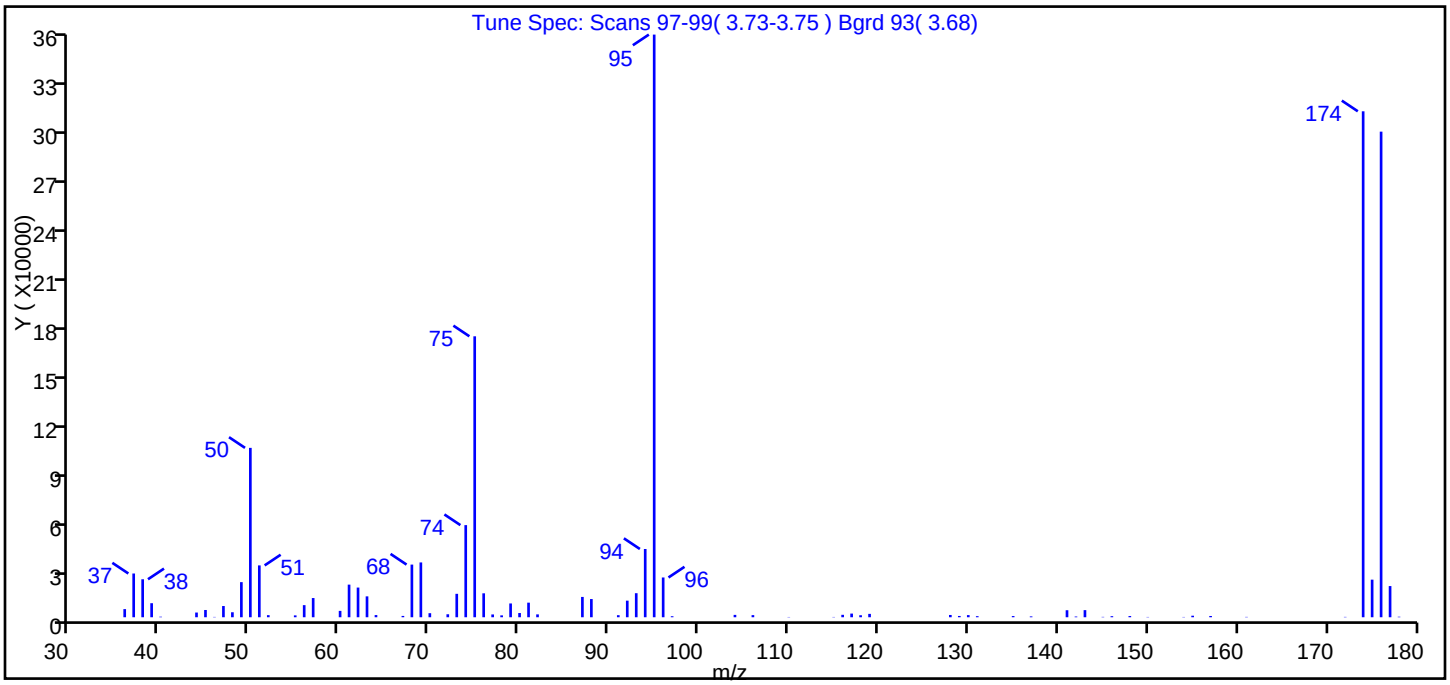
Report Date: 20-Dec-2012 03:33:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\BFB8156.D		
Injection Date:	16-Dec-2012 22:59:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	1
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	29.07
75	30.00 - 60.00% of mass 95	48.22
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	86.84
175	5.00 - 9.00% of mass 174	6.45 (7.43)
176	95.00 - 101.00% of mass 174	83.34 (95.98)
177	5.00 - 9.00% of mass 176	5.35 (6.42)

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\BFB8156.D\8260_8.rslt\spectra.d
Injection Date: 16-Dec-2012 22:59:30
Spectrum: Tune Spec: Scans 97-99(3.73-3.75) Bgrd 93(3.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4996	63.00	12813	92.00	10177	141.00	4310
37.00	26832	64.00	1340	93.00	14753	142.00	453
38.00	23296	67.00	815	94.00	41856	143.00	4367
39.00	8619	68.00	32296	95.00	357312	145.00	236
40.00	338	69.00	33616	96.00	24392	146.00	652
44.00	2891	70.00	2493	97.00	622	148.00	743
45.00	4455	72.00	1834	104.00	1455	150.00	186
46.00	203	73.00	14370	106.00	1306	154.00	184
47.00	6886	74.00	56504	110.00	173	155.00	944
48.00	3063	75.00	172288	115.00	182	157.00	775
49.00	21536	76.00	14681	116.00	1497	161.00	223
50.00	103880	77.00	1727	117.00	2253	172.00	225
51.00	31800	78.00	1157	118.00	1235	174.00	310272
52.00	1286	79.00	8461	119.00	2075	175.00	23056
55.00	1145	80.00	2596	128.00	1401	176.00	297792
56.00	7426	81.00	8949	129.00	789	177.00	19128
57.00	11777	82.00	1761	130.00	1315	178.00	327
60.00	3908	87.00	12463	131.00	668		
61.00	20008	88.00	11164	135.00	731		
62.00	18208	91.00	1267	137.00	528		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A3UX8\20121217-15937.b\BFB8158.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	17-Dec-2012 22:30:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	240-0015937-002		
Misc. Info.:	M21217A,BFBSUX8,,402279		
Operator:	402279	Instrument ID:	A3UX8
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69093	Lims Sample ID:	2
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A3UX8\20121217-15937.b\8260_8.m		
Last Update:	22-Dec-2012 01:45:26	Calib Date:	15-Dec-2012 00:08:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK020		
First Level Reviewer: latat		Date:	17-Dec-2012 22:45:59

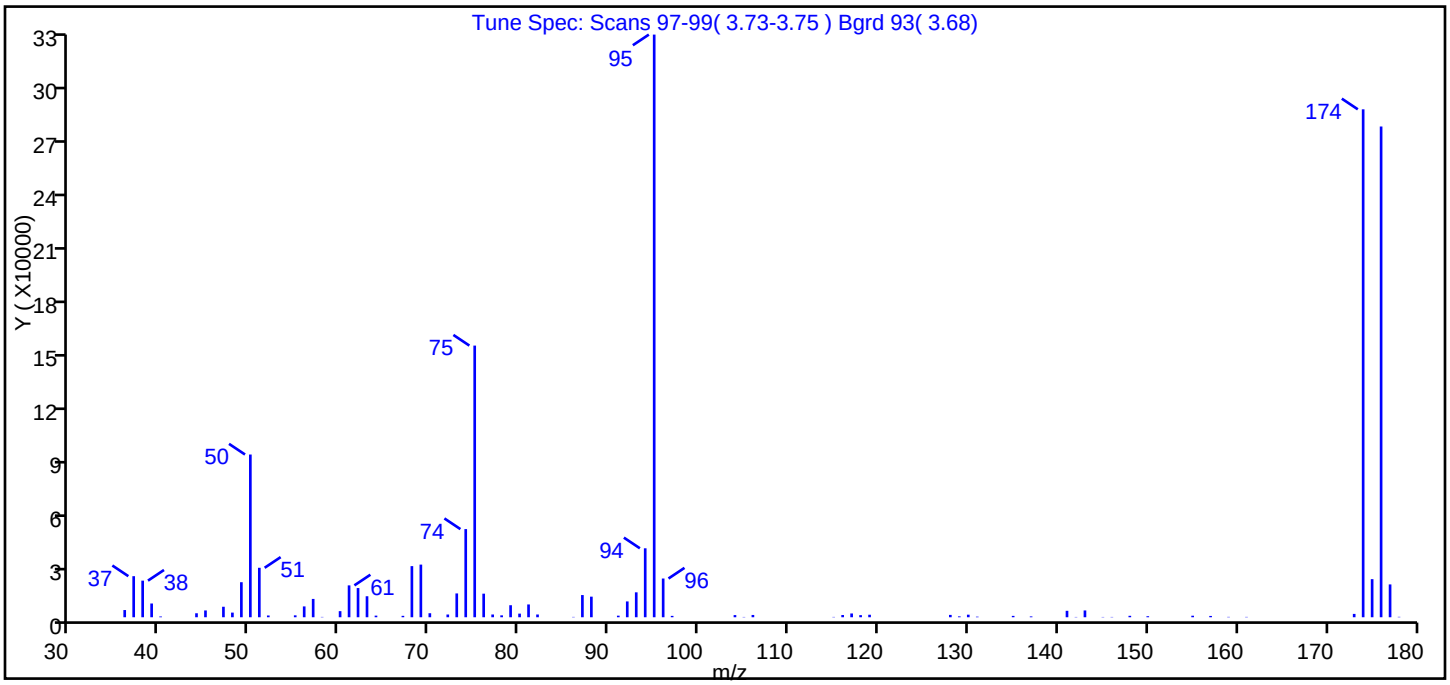
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.743	3.743	0.0	0	909747	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121217-15937.b\BFB8158.D		
Injection Date:	17-Dec-2012 22:30:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	69093	Lims Sample ID:	2
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.93
75	30.00 - 60.00% of mass 95	46.62
96	5.00 - 9.00% of mass 95	6.65
173	Less than 2.00% of mass 174	0.58 (0.66)
174	Greater than 50.00% of mass 95	87.18
175	5.00 - 9.00% of mass 174	6.54 (7.50)
176	95.00 - 101.00% of mass 174	84.23 (96.62)
177	5.00 - 9.00% of mass 176	5.64 (6.69)

Report Date: 22-Dec-2012 01:45:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Data File: \\Ncchrom\ChromData\A3UX8\20121217-15937.b\BFB8158.D\8260_8.rslt\spectra.d
Injection Date: 17-Dec-2012 22:30:30
Spectrum: Tune Spec: Scans 97-99(3.73-3.75) Bgrd 93(3.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4081	63.00	11897	91.00	899	137.00	478
37.00	23256	64.00	920	92.00	8961	141.00	3648
38.00	20728	67.00	803	93.00	14113	142.00	173
39.00	7788	68.00	28944	94.00	39040	143.00	3856
40.00	434	69.00	29808	95.00	329856	145.00	170
44.00	2263	70.00	2282	96.00	21928	146.00	180
45.00	3854	72.00	1552	97.00	784	148.00	821
47.00	5947	73.00	13484	104.00	1226	150.00	586
48.00	2633	74.00	49904	105.00	173	155.00	870
49.00	19840	75.00	153792	106.00	1298	157.00	745
50.00	92128	76.00	13355	115.00	189	159.00	213
51.00	28008	77.00	1568	116.00	1265	161.00	202
52.00	999	78.00	1080	117.00	2145	173.00	1900
55.00	1086	79.00	6810	118.00	1198	174.00	287552
56.00	6139	80.00	2058	119.00	1426	175.00	21568
57.00	10379	81.00	7250	128.00	1333	176.00	277824
58.00	192	82.00	1561	129.00	493	177.00	18592
60.00	3454	86.00	196	130.00	1458	178.00	236
61.00	18048	87.00	12563	131.00	336		
62.00	16536	88.00	11663	135.00	779		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A3UX8\20121231-16325.b\BFB8166.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	31-Dec-2012 17:31:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	240-0016325-001		
Misc. Info.:	M21231A,BFBSUX8,,402279		
Operator:	402279	Instrument ID:	A3UX8
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	70792	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A3UX8\20121231-16325.b\8260_8.m		
Last Update:	02-Jan-2013 19:59:11	Calib Date:	15-Dec-2012 00:08:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK030		
First Level Reviewer: latat		Date:	31-Dec-2012 20:05:19

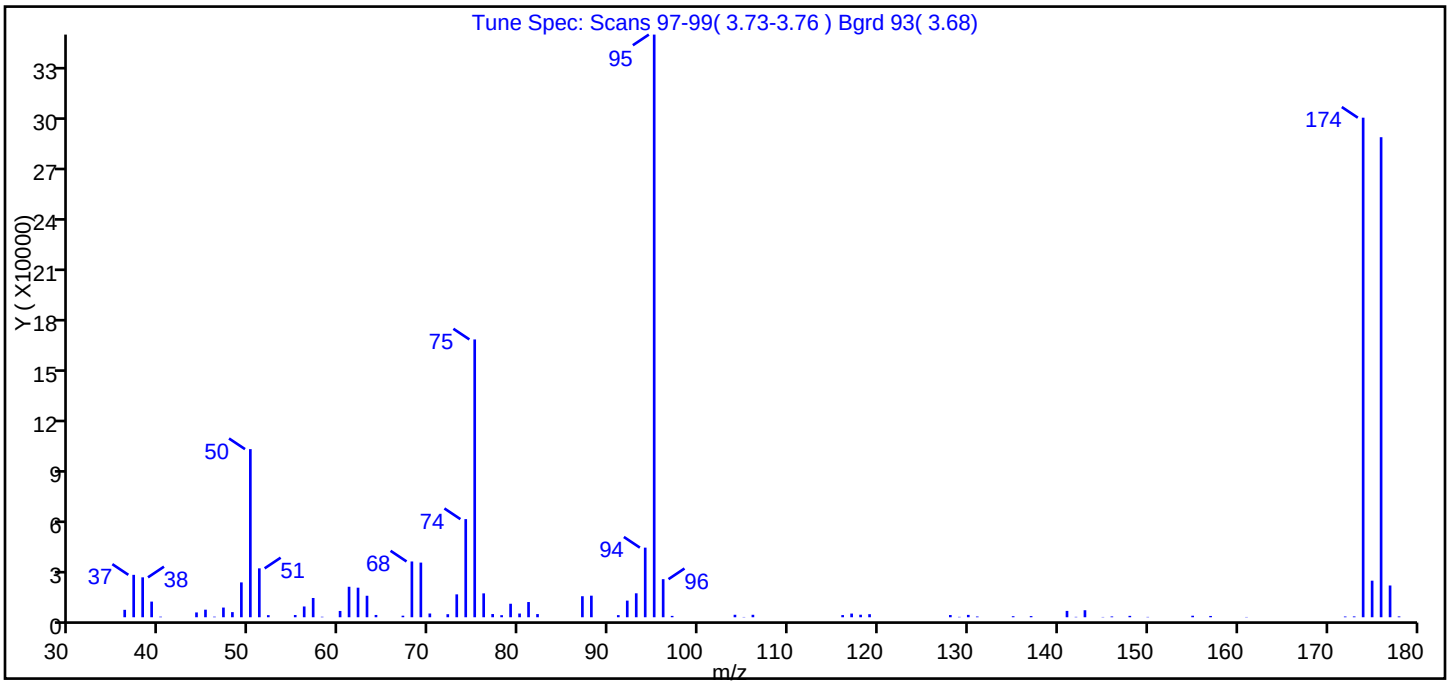
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.744	3.744	0.0	0	874116	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121231-16325.b\BFB8166.D		
Injection Date:	31-Dec-2012 17:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	70792	Lims Sample ID:	1
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	28.85
75	30.00 - 60.00% of mass 95	47.68
96	5.00 - 9.00% of mass 95	6.54
173	Less than 2.00% of mass 174	0.14 (0.17)
174	Greater than 50.00% of mass 95	85.74
175	5.00 - 9.00% of mass 174	6.28 (7.32)
176	95.00 - 101.00% of mass 174	82.39 (96.09)
177	5.00 - 9.00% of mass 176	5.45 (6.62)

Data File: \\Ncchrom\ChromData\A3UX8\20121231-16325.b\BFB8166.D\8260_8.rslt\spectra.d
Injection Date: 31-Dec-2012 17:31:30
Spectrum: Tune Spec: Scans 97-99(3.73-3.76) Bgrd 93(3.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4439	62.00	17648	91.00	1266	141.00	3791
37.00	25320	63.00	12833	92.00	9930	142.00	249
38.00	23824	64.00	1372	93.00	14297	143.00	4192
39.00	9344	67.00	932	94.00	41552	145.00	178
40.00	345	68.00	33296	95.00	347776	146.00	485
44.00	2880	69.00	32624	96.00	22736	148.00	832
45.00	4524	70.00	2242	97.00	818	150.00	214
46.00	344	72.00	1823	104.00	1482	155.00	908
47.00	5785	73.00	13664	105.00	170	157.00	773
48.00	3060	74.00	58576	106.00	1477	161.00	174
49.00	20808	75.00	165824	116.00	1294	172.00	450
50.00	100344	76.00	14255	117.00	2207	173.00	498
51.00	29192	77.00	1924	118.00	1509	174.00	298176
52.00	1252	78.00	1231	119.00	1824	175.00	21832
55.00	1326	79.00	8064	128.00	1320	176.00	286528
56.00	6432	80.00	2214	129.00	243	177.00	18960
57.00	11504	81.00	9086	130.00	1412	178.00	494
58.00	294	82.00	1896	131.00	453		
60.00	3760	87.00	12554	135.00	619		
61.00	18200	88.00	12879	137.00	696		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-68395/6

Matrix: Water | Lab File ID: UXJ8972.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2012 14:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68395 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	1.1	U	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	0.691	J	1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
67-66-3	Chloroform	0.25	U	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-68395/6

Matrix: Water Lab File ID: UXJ8972.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/12/2012 14:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68395 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		70-120
2037-26-5	Toluene-d8 (Surr)	98		85-120
460-00-4	4-Bromofluorobenzene (Surr)	102		75-120
1868-53-7	Dibromofluoromethane (Surr)	90		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8972.D
Lims ID: MB Client ID:
Inject. Date: 12-Dec-2012 14:01:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015761-006
Misc. Info.: J21212A,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 68395 Lims Sample ID: 6
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\8260_11.m
Last Update: 13-Dec-2012 08:28:24 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: evansle Date: 12-Dec-2012 14:30:51

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1177245	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	85	682350	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	94	221257	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	94	242783	7.53	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	86	296321	7.93	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	84	958147	8.20	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	90	198133	8.48	
135 Chlorodifluoromethane TIC	1		0.000					
136 1,4-Dichlorobutane	1		0.000					
8 Dichlorodifluoromethane	85		1.542					
9 Chloromethane	50		1.696					
10 Vinyl chloride	62		1.790					
11 Bromomethane	94		2.074					
12 Chloroethane	64		2.157					
13 Dichlorofluoromethane	67		2.299					
14 Trichlorofluoromethane	101		2.358					
15 Ethyl ether	59		2.559					
16 Acrolein	56		2.654					
17 Acetone	43		2.772					9
19 1,1-Dichloroethene	96		2.784					
18 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.784					
20 Methylal	45		2.856					9
21 Iodomethane	142		2.914					
23 Carbon disulfide	76		2.973					
24 Acetonitrile	41		2.997					
22 3-Chloro-1-propene	76		3.044					
25 Methyl acetate	43		3.044					9
26 Methylene Chloride	84	3.151	3.163	-0.012	77	16074	0.6910	
27 2-Methyl-2-propanol	59		3.198					
28 Acrylonitrile	53		3.317					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methyl tert-butyl ether	73		3.364					
29 trans-1,2-Dichloroethene	96		3.364					
31 Hexane	86		3.589					
32 1,1-Dichloroethane	63		3.695					
33 Vinyl acetate	86		3.731					
34 Isopropyl ether	87		3.754					
35 2-Chloro-1,3-butadiene	53		3.778					
37 Tert-butyl ethyl ether	59		4.050					
40 cis-1,2-Dichloroethene	96		4.169					
38 2-Butanone (MEK)	43		4.169					
39 2,2-Dichloropropane	77		4.169					
36 Propionitrile	54		4.204					
41 Ethyl acetate	43		4.216					9
42 Methacrylonitrile	41		4.334					
43 Chlorobromomethane	128		4.358					
44 Tetrahydrofuran	42		4.405					
45 Chloroform	83		4.417					
46 1,1,1-Trichloroethane	97		4.595					
47 Cyclohexane	56		4.654					
48 1,1-Dichloropropene	75		4.725					
49 Carbon tetrachloride	117		4.737					
50 Isobutyl alcohol	41		4.772					
52 Benzene	78		4.902					9
51 1,2-Dichloroethane	62		4.902					
53 Tert-amyl methyl ether	73		4.985					
54 n-Heptane	100		5.115					
55 n-Butanol	56		5.328					
56 Trichloroethene	130		5.435					
57 Ethyl acrylate	55		5.494					
59 1,2-Dichloropropane	63		5.612					
58 Methylcyclohexane	83		5.612					
60 Methyl methacrylate	41		5.695					
61 Dibromomethane	93		5.719					
62 1,4-Dioxane	88		5.719					
63 Dichlorobromomethane	83		5.837					
64 2-Nitropropane	41		6.026					
65 2-Chloroethyl vinyl ether	63		6.086					
66 cis-1,3-Dichloropropene	75		6.228					
67 4-Methyl-2-pentanone (MIBK)	43		6.358					
68 Toluene	91		6.535					9
69 trans-1,3-Dichloropropene	75		6.713					
70 Ethyl methacrylate	69		6.784					
71 1,1,2-Trichloroethane	97		6.878					
72 Tetrachloroethene	164		7.032					
73 1,3-Dichloropropane	76		7.032					
74 2-Hexanone	43		7.091					9
132 n-Butyl acetate	43		7.209					19
76 Chlorodibromomethane	129		7.245					
75 Tetrahydrothiophene	60		7.255					
77 Ethylene Dibromide	107		7.352					
78 1-Chlorohexane	91		7.778					9
79 Chlorobenzene	112		7.813					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
80 1,1,1,2-Tetrachloroethane	131		7.884					
81 Ethylbenzene	106		7.908					
82 m-Xylene & p-Xylene	106		8.014					
83 o-Xylene	106		8.393					
84 Styrene	104		8.405					
85 Bromoform	173		8.582					
86 Isopropylbenzene	105		8.748					
87 Cyclohexanone	55		8.831					
88 1,1,2,2-Tetrachloroethane	83		9.020					
89 Bromobenzene	156		9.044					
90 1,2,3-Trichloropropane	110		9.067					
91 trans-1,4-Dichloro-2-butene	53		9.067					
92 N-Propylbenzene	120		9.150					
93 2-Chlorotoluene	126		9.233					
94 1,3,5-Trimethylbenzene	105		9.316					
95 4-Chlorotoluene	126		9.340					
96 tert-Butylbenzene	119		9.635					
97 1,2,4-Trimethylbenzene	105		9.683					9
98 sec-Butylbenzene	105		9.860					9
99 1,3-Dichlorobenzene	146		9.967					
100 4-Isopropyltoluene	119		9.990					9
101 1,4-Dichlorobenzene	146		10.050					
102 1,2,3-Trimethylbenzene	105		10.108					9
133 Benzyl chloride	126		10.180					
103 n-Butylbenzene	91		10.405					
104 1,2-Dichlorobenzene	146		10.416					
105 1,2-Dibromo-3-Chloropropane	157		11.186					
106 1,3,5-Trichlorobenzene	180		11.410					
107 1,2,4-Trichlorobenzene	180		12.026					9
108 Hexachlorobutadiene	225		12.203					9
109 Naphthalene	128		12.274					9
110 1,2,3-Trichlorobenzene	180		12.523					9
111 2-Methylnaphthalene	142		13.552					
S 138 Trihalomethanes, Total	1		0.000					
S 112 1,2-Dichloroethene, Total	96		1.140					
S 113 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106		16.530					
T 139 Butyl Methacrylate TIC	1		8.925					1
T 137 Hexachloroethane TIC	1		10.774					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

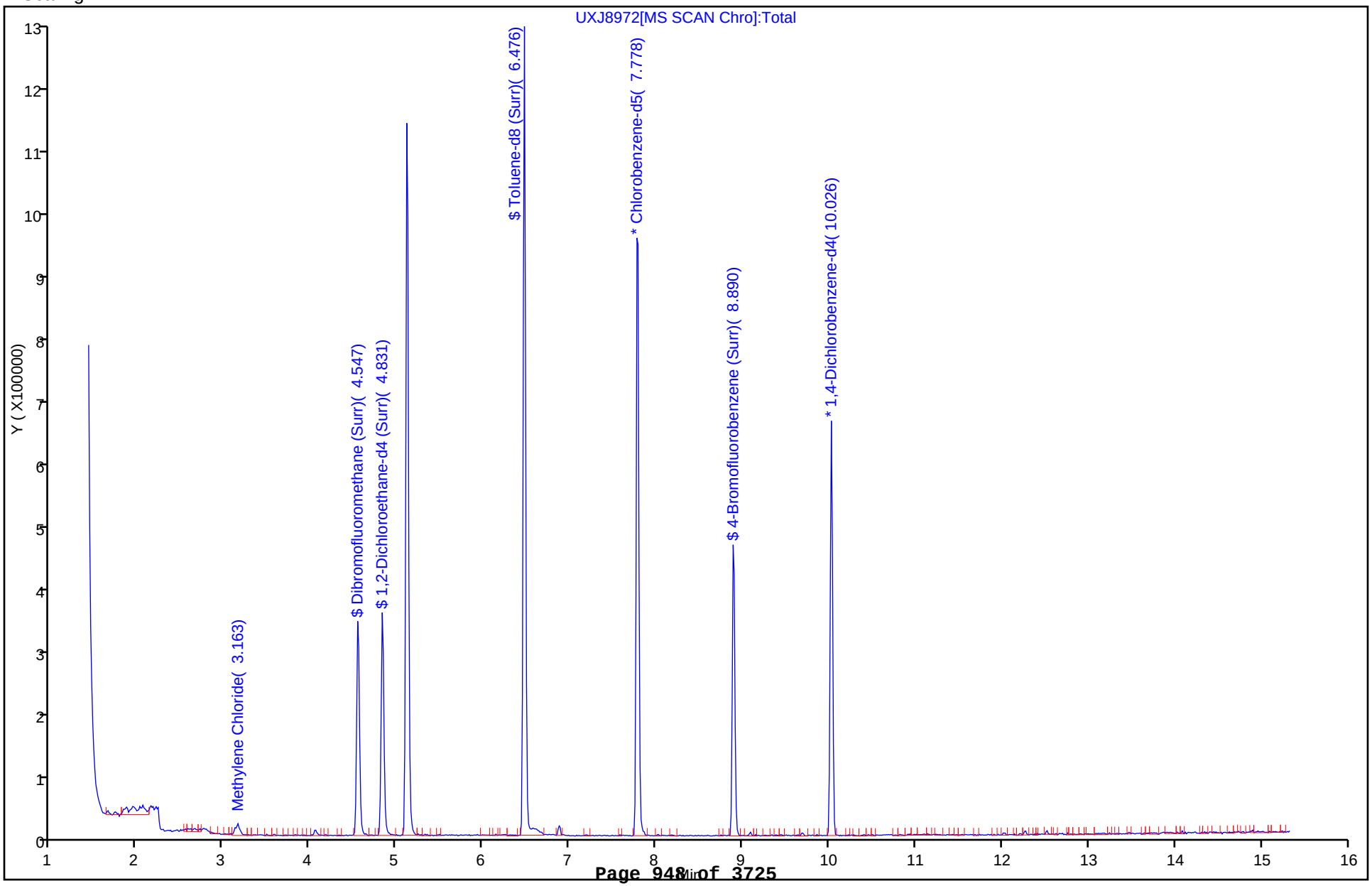
Report Date: 13-Dec-2012 08:28:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8972.D

Injection Date:	12-Dec-2012 14:01:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68395	Lims Sample ID:	6
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



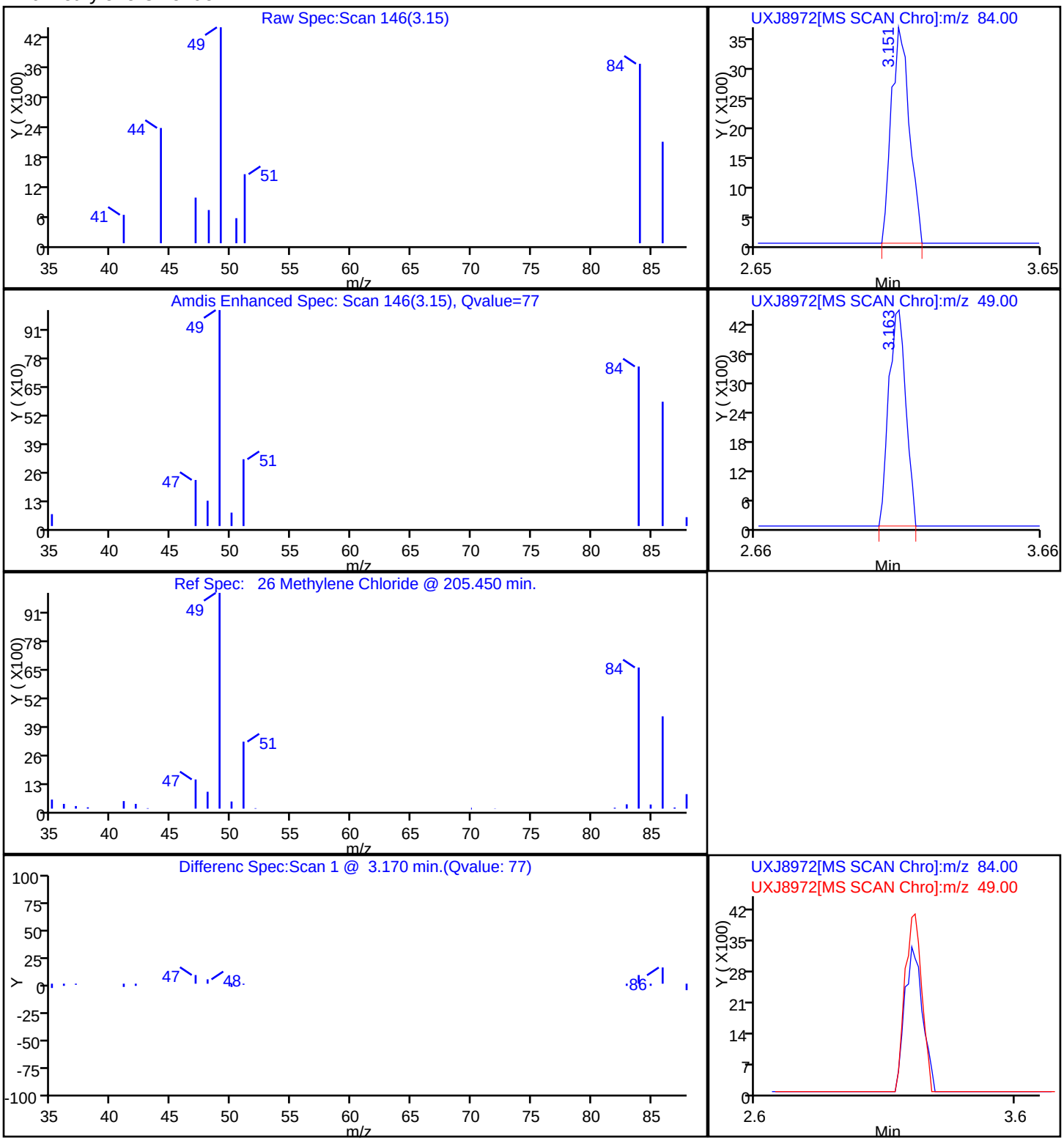
Report Date: 13-Dec-2012 08:28:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8972.D

Injection Date:	12-Dec-2012 14:01:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68395	Lims Sample ID:	6
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

26 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-68879/7

Matrix: Solid | Lab File ID: UX82498.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/15/2012 19:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68879 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	5.0	0.50	0.34
79-00-5	1,1,2-Trichloroethane	0.50	U	5.0	0.50	0.39
75-34-3	1,1-Dichloroethane	0.50	U	5.0	0.50	0.36
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	0.52
107-06-2	1,2-Dichloroethane	0.50	U	5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	1.0	U	10	1.0	0.77
78-87-5	1,2-Dichloropropane	1.0	U	5.0	1.0	0.69
78-93-3	2-Butanone (MEK)	2.0	U	20	2.0	1.4
591-78-6	2-Hexanone	1.84	J	20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	1.04	J	20	1.0	0.54
67-64-1	Acetone	7.05	J	20	6.3	6.3
71-43-2	Benzene	0.50	U	5.0	0.50	0.23
75-25-2	Bromoform	0.50	U	5.0	0.50	0.33
74-83-9	Bromomethane	1.0	U	5.0	1.0	0.54
75-15-0	Carbon disulfide	0.50	U	5.0	0.50	0.44
56-23-5	Carbon tetrachloride	0.50	U	5.0	0.50	0.37
108-90-7	Chlorobenzene	0.50	U	5.0	0.50	0.33
75-27-4	Bromodichloromethane	0.50	U	5.0	0.50	0.28
74-87-3	Chloromethane	0.50	U	5.0	0.50	0.41
10061-01-5	cis-1,3-Dichloropropene	0.50	U	5.0	0.50	0.34
124-48-1	Dibromochloromethane	1.0	U	5.0	1.0	0.55
100-41-4	Ethylbenzene	0.50	U	5.0	0.50	0.26
1634-04-4	Methyl tert-butyl ether	0.50	U	5.0	0.50	0.43
75-09-2	Methylene Chloride	1.35	J	5.0	1.0	0.67
100-42-5	Styrene	0.50	U	5.0	0.50	0.15
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.52
108-88-3	Toluene	0.50	U	5.0	0.50	0.27
67-66-3	Chloroform	0.50	U	5.0	0.50	0.29
74-97-5	Bromochloromethane	1.0	U	5.0	1.0	0.71
106-93-4	1,2-Dibromoethane	1.0	U	5.0	1.0	0.50
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.54
79-01-6	Trichloroethene	0.50	U	5.0	0.50	0.42
75-01-4	Vinyl chloride	0.50	U	5.0	0.50	0.39
75-00-3	Chloroethane	1.0	U	5.0	1.0	0.86
1330-20-7	Xylenes, Total	1.5	U	10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-68879/7

Matrix: Solid Lab File ID: UX82498.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/15/2012 19:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68879 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		61-130
2037-26-5	Toluene-d8 (Surr)	102		85-115
460-00-4	4-Bromofluorobenzene (Surr)	100		85-120
1868-53-7	Dibromofluoromethane (Surr)	99		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82498.D
Lims ID: MB Client ID:
Inject. Date: 15-Dec-2012 19:02:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015886-007
Misc. Info.: M21215A,8260SUX8,,402279 =M21215A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 68879 Lims Sample ID: 7
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\8260_8.m
Last Update: 19-Dec-2012 02:39:20 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK028

First Level Reviewer: latat Date: 15-Dec-2012 19:59:03

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.158	5.147	0.011	100	1538232	50.0	
* 2 Chlorobenzene-d5	117	7.678	7.678	0.0	90	1100464	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	98	560099	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.624	0.002	58	380655	49.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.886	4.884	0.002	92	477451	50.0	
$ 7 Toluene-d8 (Surr)	98	6.424	6.421	0.003	95	1394158	50.8	
$ 131 4-Bromofluorobenzene (Surr)	95	8.754	8.763	-0.009	91	475361	50.1	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
12 Dichlorodifluoromethane	85		1.572					
13 Chloromethane	50		1.749					
14 Vinyl chloride	62		1.867					
15 Bromomethane	94		2.187					
16 Chloroethane	64		2.281					
17 Dichlorofluoromethane	67		2.450					
18 Trichlorofluoromethane	101		2.506					
19 Ethyl ether	59		2.734					9
20 Acrolein	56		2.837					
25 Methylal	45		2.856					
21 1,1-Dichloroethene	96		2.932					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.944					
22 Acetone	43	2.958	2.956	0.002	93	47651	7.05	
24 Iodomethane	142		3.050					
26 Carbon disulfide	76		3.109					
27 Acetonitrile	41		3.169					
29 3-Chloro-1-propene	76		3.207					
28 Methyl acetate	43		3.216					9
30 Methylene Chloride	84	3.301	3.299	0.002	85	20897	1.35	
31 2-Methyl-2-propanol	59		3.382					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
32 Acrylonitrile	53		3.476					
34 Methyl tert-butyl ether	73		3.523					
33 trans-1,2-Dichloroethene	96		3.523					
35 Hexane	86		3.736					
36 1,1-Dichloroethane	63		3.831					
37 Vinyl acetate	86		3.855					
38 Isopropyl ether	87		3.881					
39 2-Chloro-1,3-butadiene	53		3.905					
40 Tert-butyl ethyl ether	59		4.153					9
42 cis-1,2-Dichloroethene	96		4.269					
41 2-Butanone (MEK)	43		4.269					9
43 2,2-Dichloropropane	77		4.280					
45 Ethyl acetate	43		4.307					9
44 Propionitrile	54		4.307					
46 Methacrylonitrile	41		4.425					
47 Chlorobromomethane	128		4.458					
48 Tetrahydrofuran	42		4.493					
49 Chloroform	83		4.505					9
50 1,1,1-Trichloroethane	97		4.671					
51 Cyclohexane	56		4.718					
52 1,1-Dichloropropene	75		4.789					
53 Carbon tetrachloride	117		4.801					
54 Isobutyl alcohol	41	4.815	4.816	-0.001	59	10326	26.2	
56 1,2-Dichloroethane	62		4.943					
55 Benzene	78		4.943					
57 Tert-amyl methyl ether	73		5.017					
58 n-Heptane	100		5.135					
59 n-Butanol	56		5.324					
60 Trichloroethene	130		5.440					
61 Ethyl acrylate	55		5.487					
63 Methylcyclohexane	83		5.605					
62 1,2-Dichloropropane	63		5.617					
64 Methyl methacrylate	41		5.679					
65 Dibromomethane	93		5.712					
66 1,4-Dioxane	88		5.712					
67 Dichlorobromomethane	83		5.830					
68 2-Nitropropane	41		5.999					
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75		6.185					
71 4-Methyl-2-pentanone (MIBK)	43	6.294	6.303	-0.009	76	11199	1.04	
72 Toluene	91		6.481					9
73 trans-1,3-Dichloropropene	75		6.646					
74 Ethyl methacrylate	69		6.705					
75 1,1,2-Trichloroethane	97		6.800					
76 1,3-Dichloropropane	76		6.954					
77 Tetrachloroethene	164		6.966					
78 2-Hexanone	43	7.004	7.001	0.003	63	13532	1.84	
132 n-Butyl acetate	43		7.110					19
79 Chlorodibromomethane	129		7.155					
80 Tetrahydrothiophene	60		7.255					
123 Ethylene Dibromide	107		7.273					
81 1-Chlorohexane	91		7.663					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Chlorobenzene	112		7.711					
83 1,1,1,2-Tetrachloroethane	131		7.770					
84 Ethylbenzene	106		7.794					
10 m-Xylene & p-Xylene	106		7.900					9
85 o-Xylene	106		8.267					9
86 Styrene	104		8.279					9
87 Bromoform	173		8.456					
88 Isopropylbenzene	105		8.610					9
89 Cyclohexanone	55	8.695	8.695	0.0	68	11062	5.53	
90 1,1,2,2-Tetrachloroethane	83		8.870					
91 Bromobenzene	156		8.917					
92 1,2,3-Trichloropropane	110		8.929					
93 trans-1,4-Dichloro-2-butene	53		8.929					
94 N-Propylbenzene	120		9.000					
95 2-Chlorotoluene	126		9.095					
96 1,3,5-Trimethylbenzene	105		9.166					9
104 4-Chlorotoluene	126		9.189					
97 tert-Butylbenzene	119		9.485					9
98 1,2,4-Trimethylbenzene	105	9.535	9.532	0.003	1	4507	0.2027	
99 sec-Butylbenzene	105		9.698					9
100 1,3-Dichlorobenzene	146		9.816					9
101 4-Isopropyltoluene	119		9.840					9
102 1,4-Dichlorobenzene	146		9.899					9
103 1,2,3-Trimethylbenzene	105		9.949					9
133 Benzyl chloride	126		10.016					
105 n-Butylbenzene	91		10.242					9
106 1,2-Dichlorobenzene	146		10.266					9
107 1,2-Dibromo-3-Chloropropane	157		11.023					
108 1,3,5-Trichlorobenzene	180		11.247					
109 1,2,4-Trichlorobenzene	180	11.853	11.863	-0.010	1	3422	0.4773	
110 Hexachlorobutadiene	225		12.028					
111 Naphthalene	128	12.102	12.099	0.003	24	16071	0.9446	
112 1,2,3-Trichlorobenzene	180		12.359					9
113 2-Methylnaphthalene	142		13.427					9
S 136 Trihalomethanes, Total	1		0.000					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106		16.530					
T 137 Hexachloroethane TIC	166		10.500					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

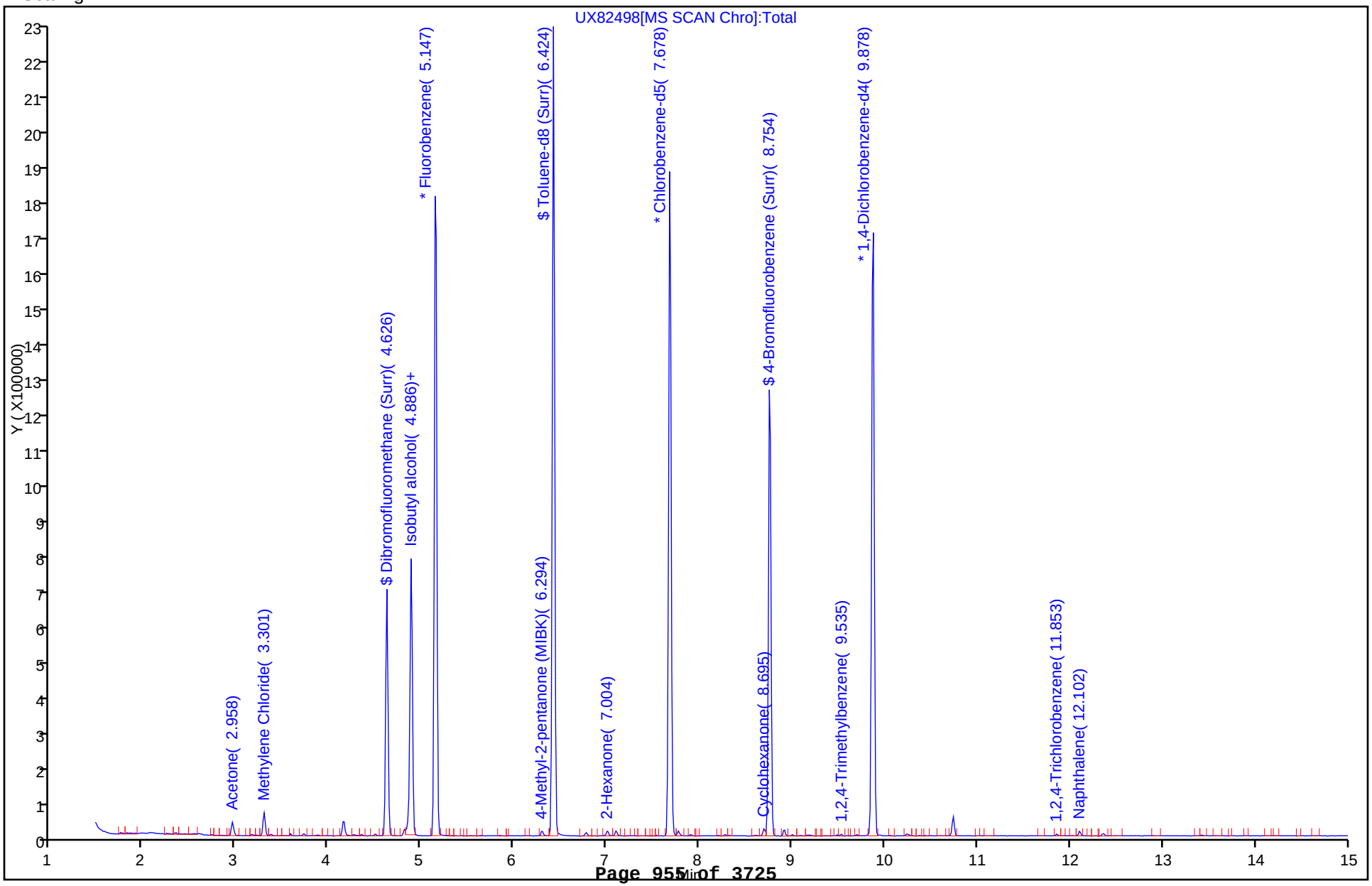
Report Date: 19-Dec-2012 02:39:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82498.D

Injection Date:	15-Dec-2012 19:02:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	7
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



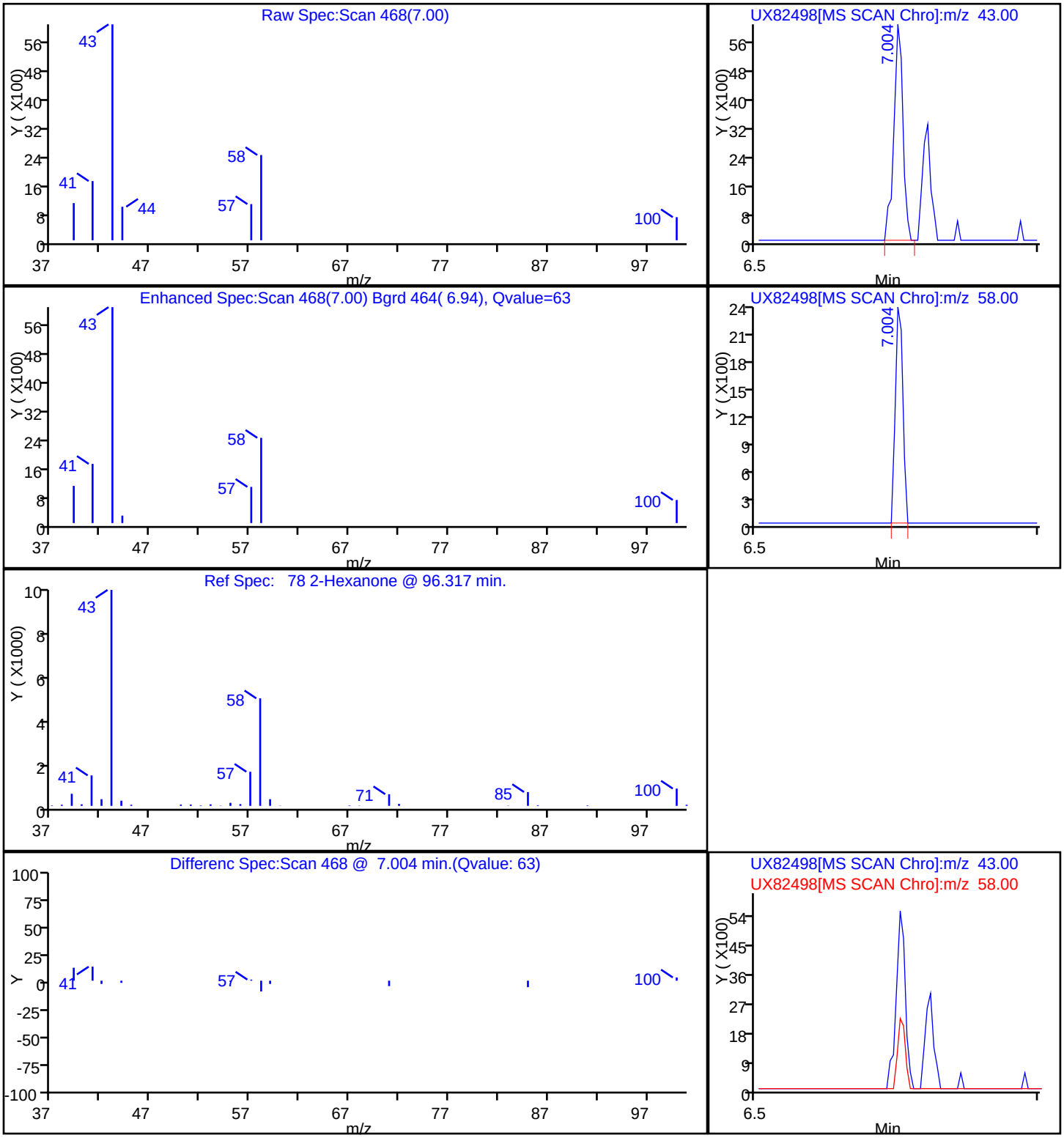
Report Date: 19-Dec-2012 02:39:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82498.D

Injection Date:	15-Dec-2012 19:02:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	7
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

78 2-Hexanone



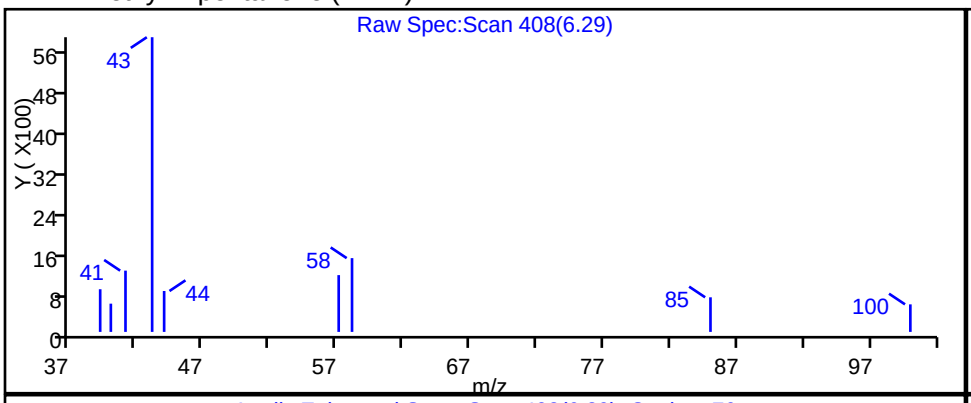
Report Date: 19-Dec-2012 02:39:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

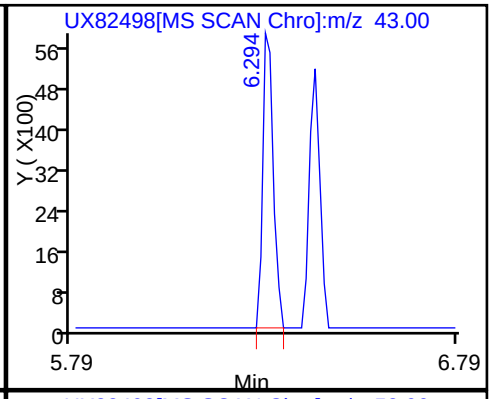
TestAmerica Canton

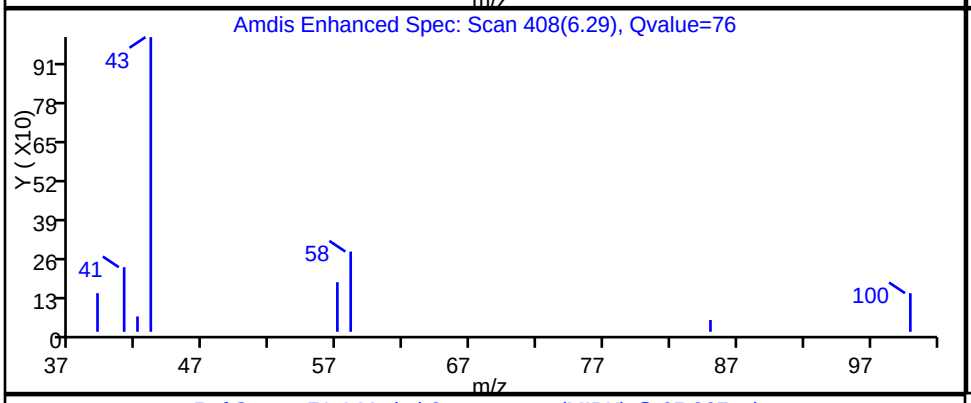
Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82498.D

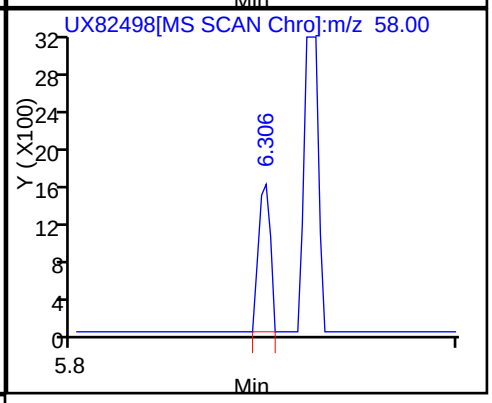
Injection Date:	15-Dec-2012 19:02:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	7
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

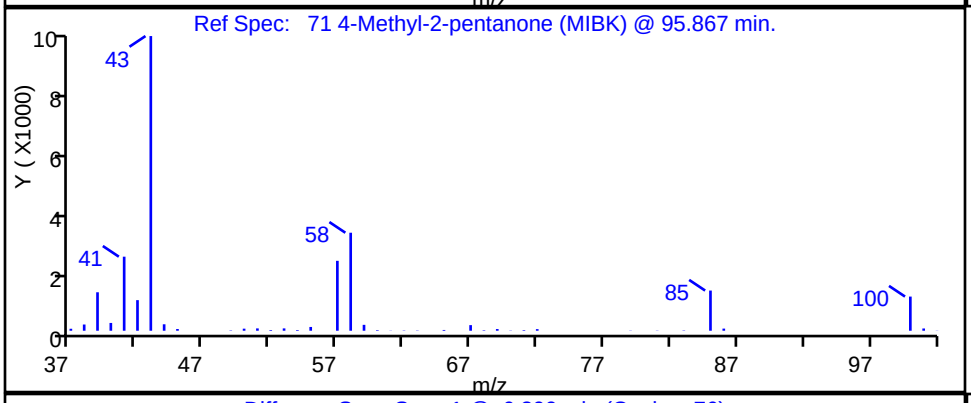
71 4-Methyl-2-pentanone (MIBK)

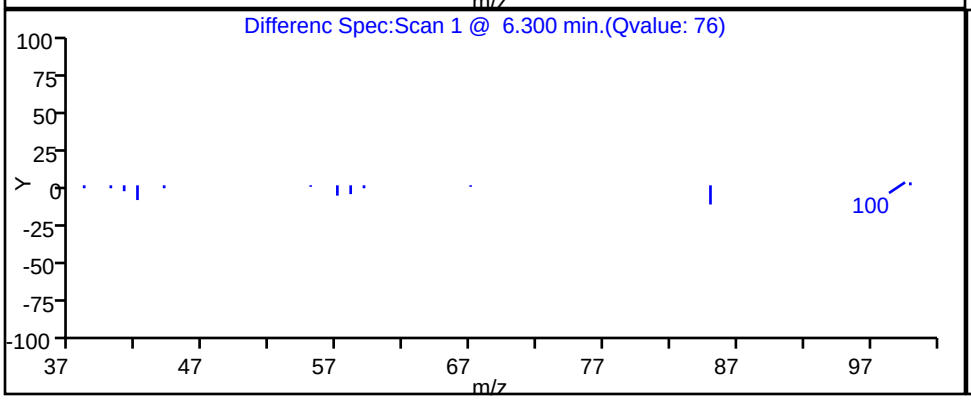


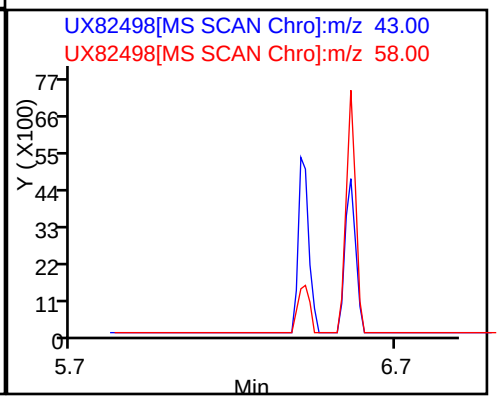












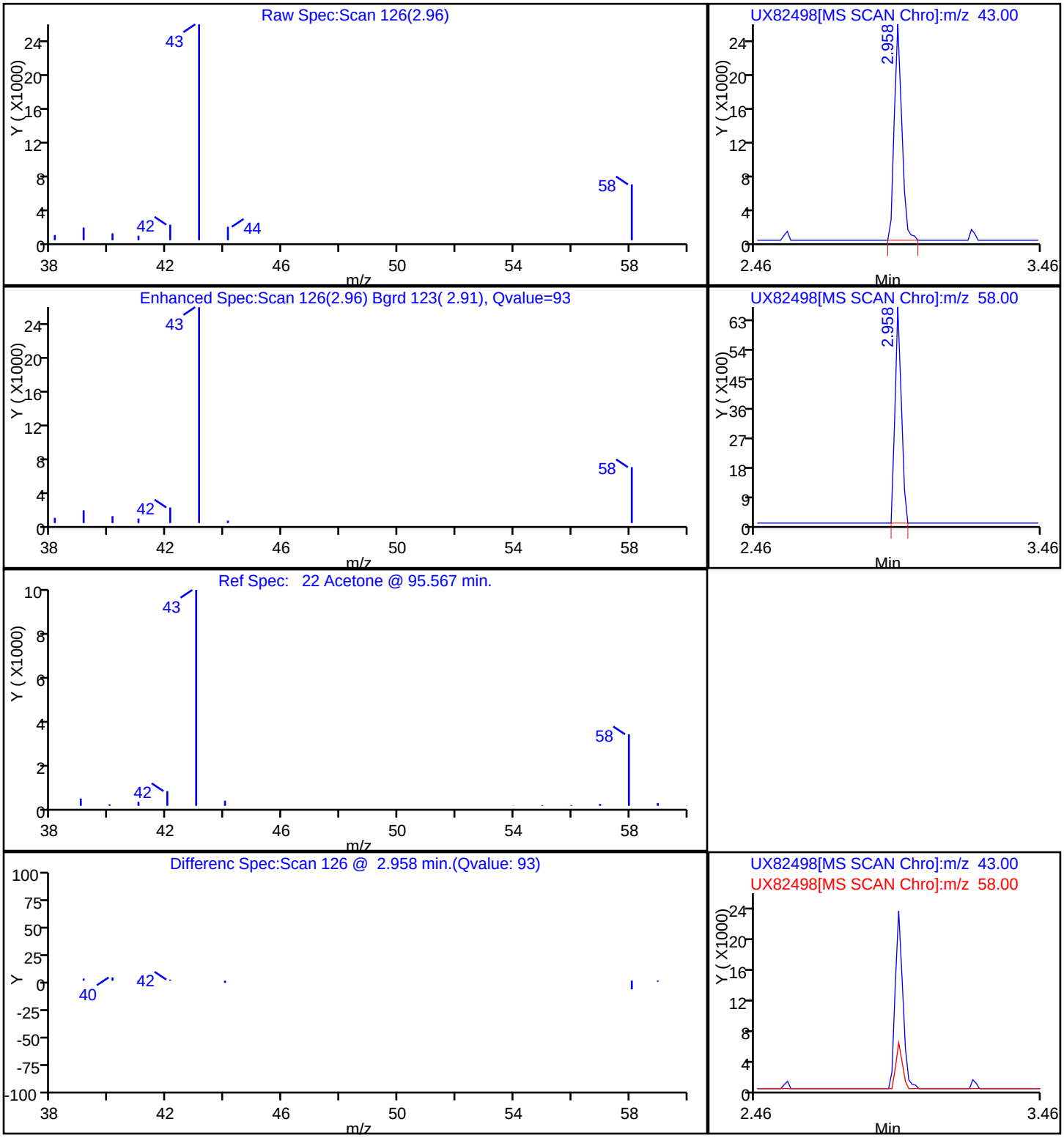
Report Date: 19-Dec-2012 02:39:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82498.D

Injection Date:	15-Dec-2012 19:02:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	7
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



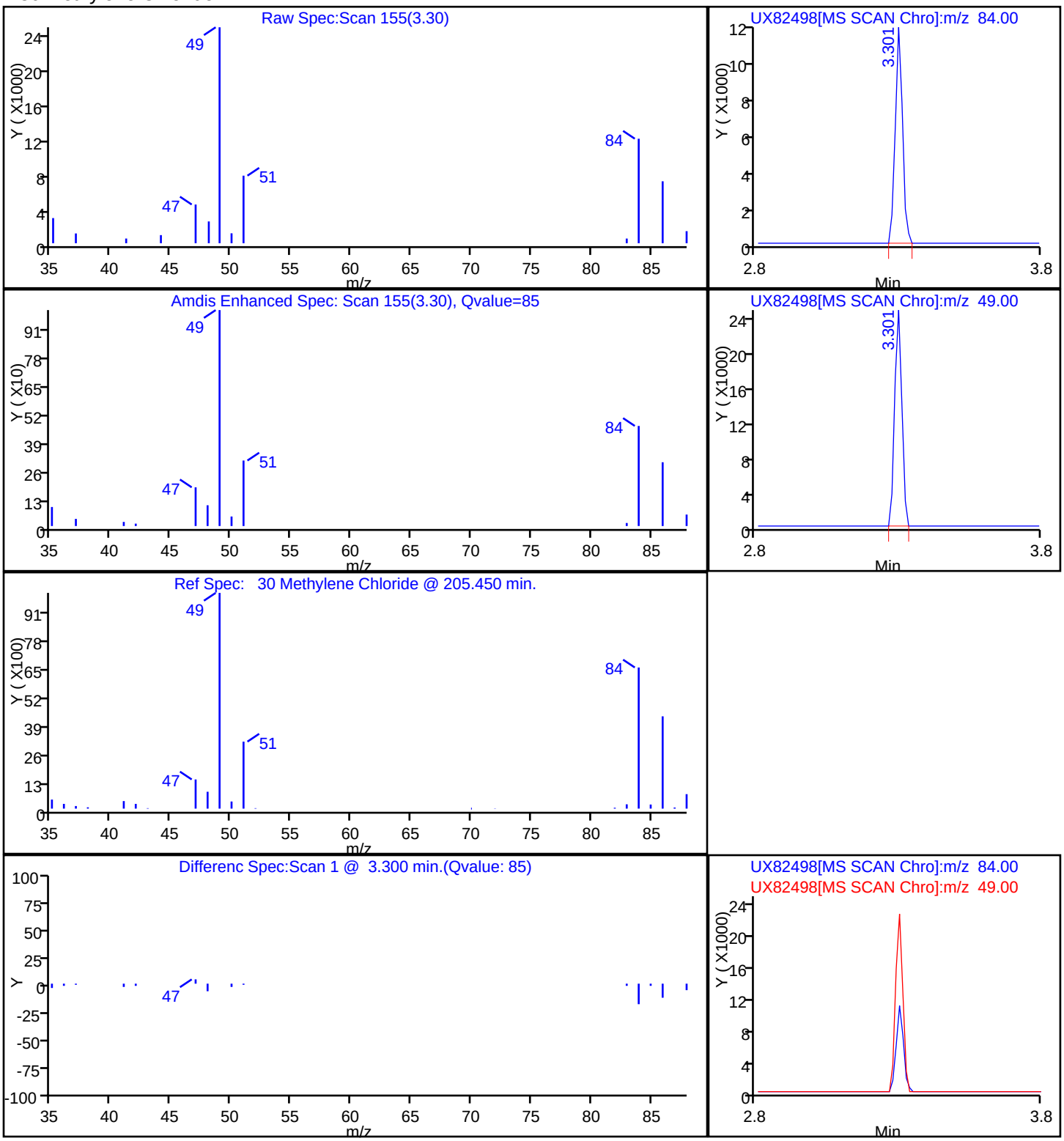
Report Date: 19-Dec-2012 02:39:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82498.D

Injection Date:	15-Dec-2012 19:02:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	7
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-68905/7

Matrix: Solid Lab File ID: UX82531.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/17/2012 01:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	5.0	0.50	0.34
79-00-5	1,1,2-Trichloroethane	0.50	U	5.0	0.50	0.39
75-34-3	1,1-Dichloroethane	0.50	U	5.0	0.50	0.36
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	0.52
107-06-2	1,2-Dichloroethane	0.50	U	5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	1.0	U	10	1.0	0.77
78-87-5	1,2-Dichloropropane	1.0	U	5.0	1.0	0.69
78-93-3	2-Butanone (MEK)	2.0	U	20	2.0	1.4
591-78-6	2-Hexanone	2.37	J	20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	1.41	J	20	1.0	0.54
67-64-1	Acetone	6.3	U	20	6.3	6.3
71-43-2	Benzene	0.50	U	5.0	0.50	0.23
75-25-2	Bromoform	0.50	U	5.0	0.50	0.33
74-83-9	Bromomethane	1.0	U	5.0	1.0	0.54
75-15-0	Carbon disulfide	0.50	U	5.0	0.50	0.44
56-23-5	Carbon tetrachloride	0.50	U	5.0	0.50	0.37
108-90-7	Chlorobenzene	0.50	U	5.0	0.50	0.33
75-27-4	Bromodichloromethane	0.50	U	5.0	0.50	0.28
74-87-3	Chloromethane	0.50	U	5.0	0.50	0.41
10061-01-5	cis-1,3-Dichloropropene	0.50	U	5.0	0.50	0.34
124-48-1	Dibromochloromethane	1.0	U	5.0	1.0	0.55
100-41-4	Ethylbenzene	0.50	U	5.0	0.50	0.26
1634-04-4	Methyl tert-butyl ether	0.50	U	5.0	0.50	0.43
75-09-2	Methylene Chloride	1.73	J	5.0	1.0	0.67
100-42-5	Styrene	0.50	U	5.0	0.50	0.15
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.52
108-88-3	Toluene	0.50	U	5.0	0.50	0.27
67-66-3	Chloroform	0.50	U	5.0	0.50	0.29
74-97-5	Bromochloromethane	1.0	U	5.0	1.0	0.71
106-93-4	1,2-Dibromoethane	1.0	U	5.0	1.0	0.50
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.54
79-01-6	Trichloroethene	0.50	U	5.0	0.50	0.42
75-01-4	Vinyl chloride	0.50	U	5.0	0.50	0.39
75-00-3	Chloroethane	1.0	U	5.0	1.0	0.86
1330-20-7	Xylenes, Total	1.5	U	10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-68905/7

Matrix: Solid Lab File ID: UX82531.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/17/2012 01:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		61-130
2037-26-5	Toluene-d8 (Surr)	98		85-115
460-00-4	4-Bromofluorobenzene (Surr)	98		85-120
1868-53-7	Dibromofluoromethane (Surr)	98		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82531.D
Lims ID: MB Client ID:
Inject. Date: 17-Dec-2012 01:09:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015896-007
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 68905 Lims Sample ID: 7
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 01:34:39

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.155	5.155	0.0	99	1459184	50.0	
* 2 Chlorobenzene-d5	117	7.686	7.686	0.0	90	1083214	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.874	0.001	98	538622	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.623	0.0	58	357647	49.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.883	4.884	-0.001	92	459784	50.9	
$ 7 Toluene-d8 (Surr)	98	6.421	6.421	0.0	96	1334146	49.1	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.763	0.0	93	458462	48.8	
138 Butyl Methacrylate TIC	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
135 1,4-Dichlorobutane	1		0.000					
12 Dichlorodifluoromethane	85		1.583					
13 Chloromethane	50		1.749					
14 Vinyl chloride	62		1.867					
15 Bromomethane	94		2.187					
16 Chloroethane	64		2.281					
17 Dichlorofluoromethane	67		2.446					
18 Trichlorofluoromethane	101		2.506					
19 Ethyl ether	59		2.741					
20 Acrolein	56		2.837					
25 Methylal	45		2.856					
21 1,1-Dichloroethene	96		2.932					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.944					
22 Acetone	43	2.955	2.956	-0.001	92	34897	4.09	
24 Iodomethane	142		3.050					
26 Carbon disulfide	76		3.109					
27 Acetonitrile	41	3.168	3.168	0.0	63	2996	1.94	
29 3-Chloro-1-propene	76		3.215					
28 Methyl acetate	43		3.216					9
30 Methylene Chloride	84	3.298	3.299	-0.001	86	22162	1.73	
31 2-Methyl-2-propanol	59		3.369					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
32 Acrylonitrile	53		3.476					9
34 Methyl tert-butyl ether	73		3.523					
33 trans-1,2-Dichloroethene	96		3.523					
35 Hexane	86		3.736					
36 1,1-Dichloroethane	63		3.831					
37 Vinyl acetate	86		3.854					
38 Isopropyl ether	87		3.877					
39 2-Chloro-1,3-butadiene	53		3.913					
40 Tert-butyl ethyl ether	59		4.149					9
41 2-Butanone (MEK)	43	4.268	4.268	0.0	68	5952	1.03	
42 cis-1,2-Dichloroethene	96		4.268					
43 2,2-Dichloropropane	77		4.280					
45 Ethyl acetate	43		4.303					9
44 Propionitrile	54		4.303					
46 Methacrylonitrile	41		4.433					
47 Chlorobromomethane	128		4.458					
48 Tetrahydrofuran	42		4.493					
49 Chloroform	83		4.505					
50 1,1,1-Trichloroethane	97		4.659					
51 Cyclohexane	56		4.718					
52 1,1-Dichloropropene	75		4.789					
53 Carbon tetrachloride	117		4.801					
54 Isobutyl alcohol	41	4.824	4.811	0.013	61	12292	32.9	
55 Benzene	78		4.943					
56 1,2-Dichloroethane	62		4.943					
57 Tert-amyl methyl ether	73		5.013					
58 n-Heptane	100		5.131					
59 n-Butanol	56		5.320					
60 Trichloroethene	130		5.439					
61 Ethyl acrylate	55		5.487					
63 Methylcyclohexane	83		5.605					
62 1,2-Dichloropropane	63		5.617					
64 Methyl methacrylate	41		5.675					9
65 Dibromomethane	93		5.712					
66 1,4-Dioxane	88		5.712					
67 Dichlorobromomethane	83		5.818					
68 2-Nitropropane	41		5.994					
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75		6.185					
71 4-Methyl-2-pentanone (MIBK)	43	6.302	6.303	-0.001	84	14461	1.41	
72 Toluene	91		6.480					9
73 trans-1,3-Dichloropropene	75		6.646					
74 Ethyl methacrylate	69		6.705					
75 1,1,2-Trichloroethane	97		6.800					
77 Tetrachloroethene	164		6.954					
76 1,3-Dichloropropane	76		6.954					
78 2-Hexanone	43	7.012	7.001	0.011	63	17155	2.37	
132 n-Butyl acetate	43		7.106					149
79 Chlorodibromomethane	129		7.155					
80 Tetrahydrothiophene	60		7.255					
123 Ethylene Dibromide	107		7.273					
81 1-Chlorohexane	91		7.663					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Chlorobenzene	112		7.711					9
83 1,1,1,2-Tetrachloroethane	131		7.770					
84 Ethylbenzene	106		7.793					
10 m-Xylene & p-Xylene	106		7.900					9
85 o-Xylene	106		8.267					
86 Styrene	104		8.278					9
87 Bromoform	173		8.456					
88 Isopropylbenzene	105		8.610					9
89 Cyclohexanone	55	8.704	8.703	0.001	73	13610	6.91	
90 1,1,2,2-Tetrachloroethane	83		8.870					
91 Bromobenzene	156		8.917					
92 1,2,3-Trichloropropane	110		8.929					
93 trans-1,4-Dichloro-2-butene	53		8.929					
94 N-Propylbenzene	120		9.000					9
95 2-Chlorotoluene	126		9.095					
96 1,3,5-Trimethylbenzene	105		9.165					9
104 4-Chlorotoluene	126		9.189					
97 tert-Butylbenzene	119		9.485					9
98 1,2,4-Trimethylbenzene	105	9.532	9.532	0.0	1	3362	0.1572	
99 sec-Butylbenzene	105		9.698					9
100 1,3-Dichlorobenzene	146		9.816					9
101 4-Isopropyltoluene	119		9.840					9
102 1,4-Dichlorobenzene	146		9.899					9
103 1,2,3-Trimethylbenzene	105		9.945					9
133 Benzyl chloride	126		10.016					
105 n-Butylbenzene	91	10.241	10.242	-0.001	13	4703	0.2545	
106 1,2-Dichlorobenzene	146		10.266					9
107 1,2-Dibromo-3-Chloropropane	157		11.023					
108 1,3,5-Trichlorobenzene	180		11.247					
109 1,2,4-Trichlorobenzene	180	11.862	11.862	0.0	1	2345	0.3401	
110 Hexachlorobutadiene	225		12.028					
111 Naphthalene	128	12.110	12.111	-0.001	3	15650	0.9566	
112 1,2,3-Trichlorobenzene	180		12.359					9
113 2-Methylnaphthalene	142		13.423					9
S 136 Trihalomethanes, Total	1		0.000					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106		16.530					
T 137 Hexachloroethane TIC	166		10.500					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

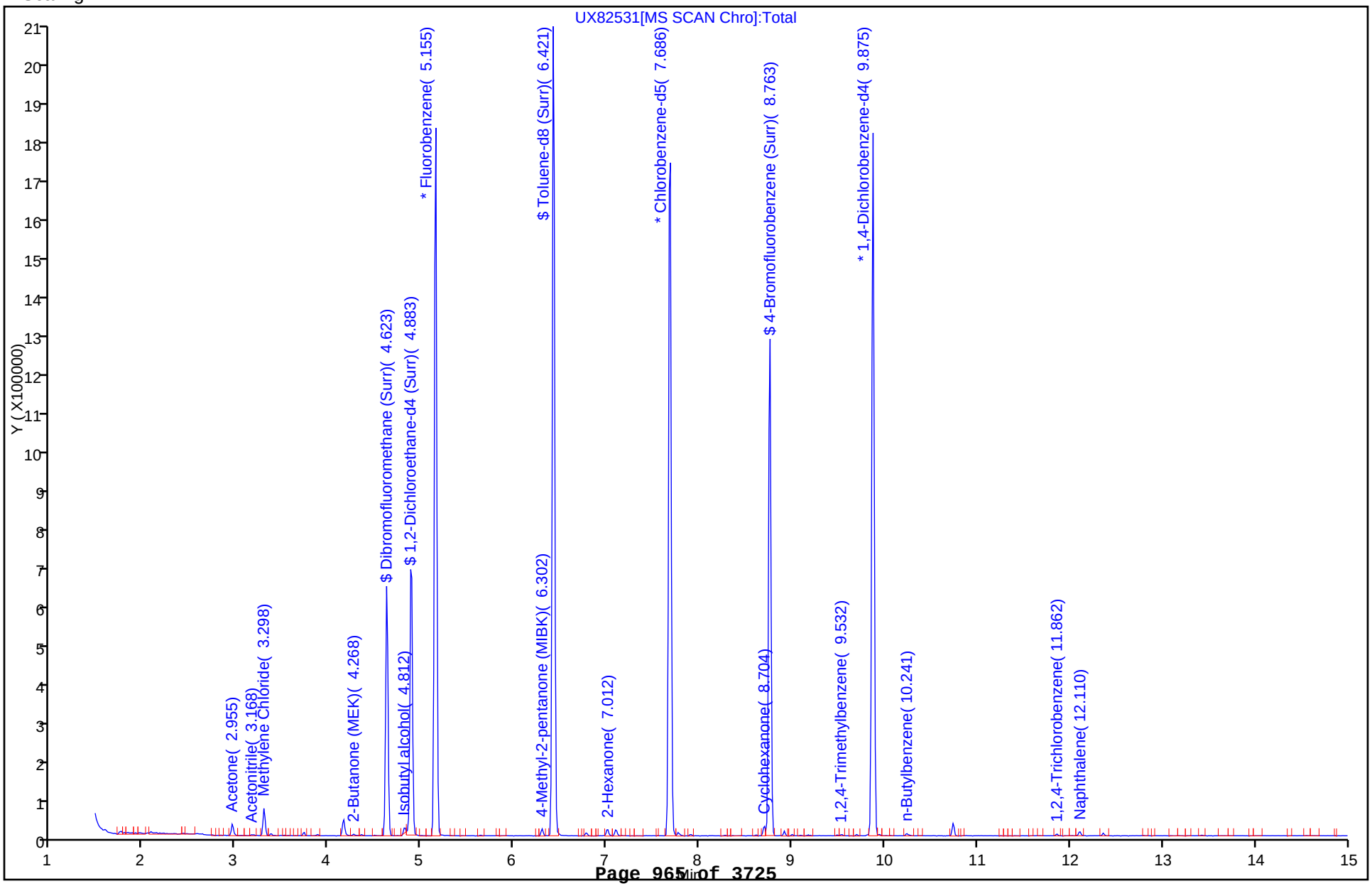
Report Date: 20-Dec-2012 03:33:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82531.D

Injection Date:	17-Dec-2012 01:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	7
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



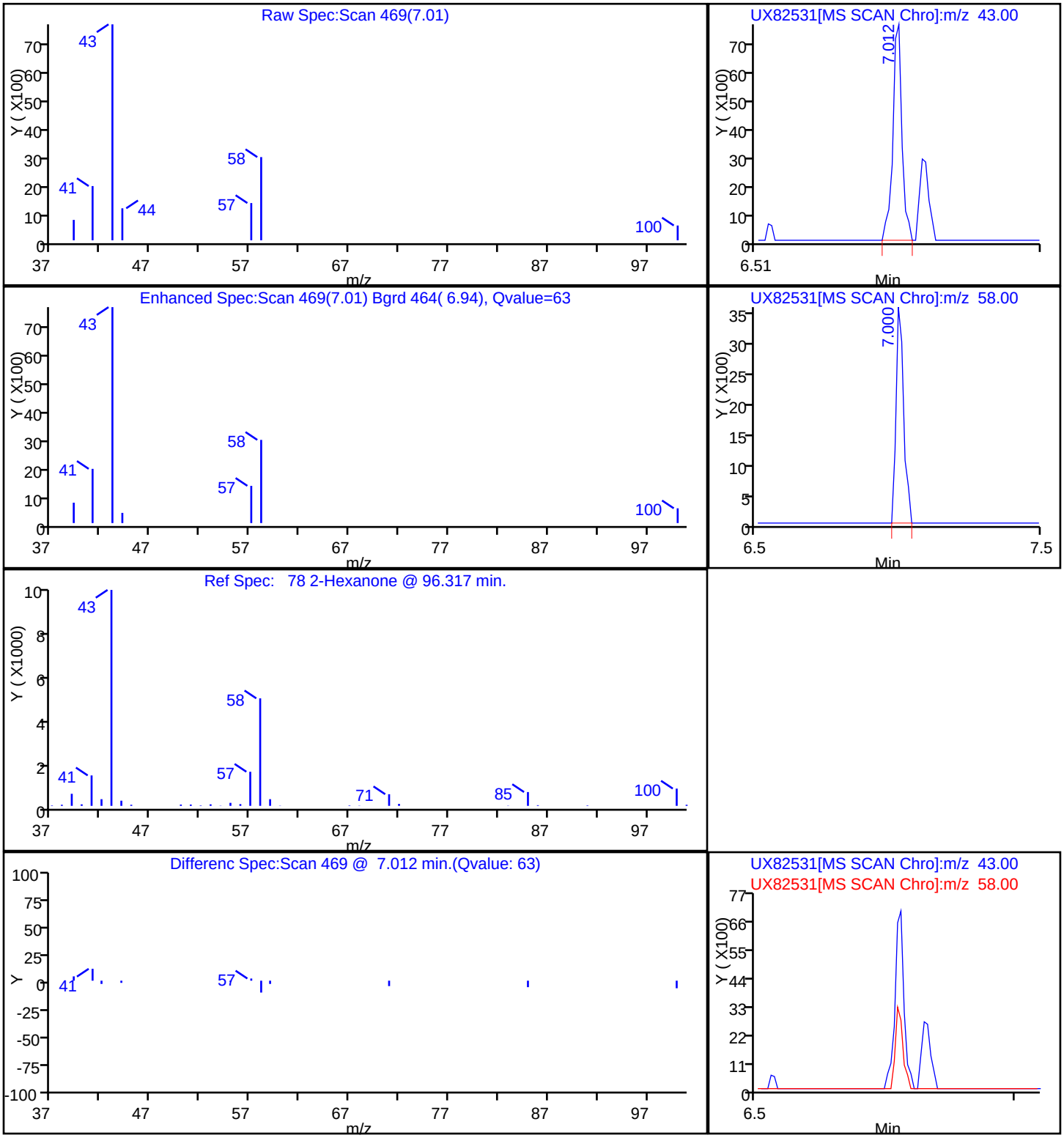
Report Date: 20-Dec-2012 03:33:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82531.D

Injection Date:	17-Dec-2012 01:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	7
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

78 2-Hexanone



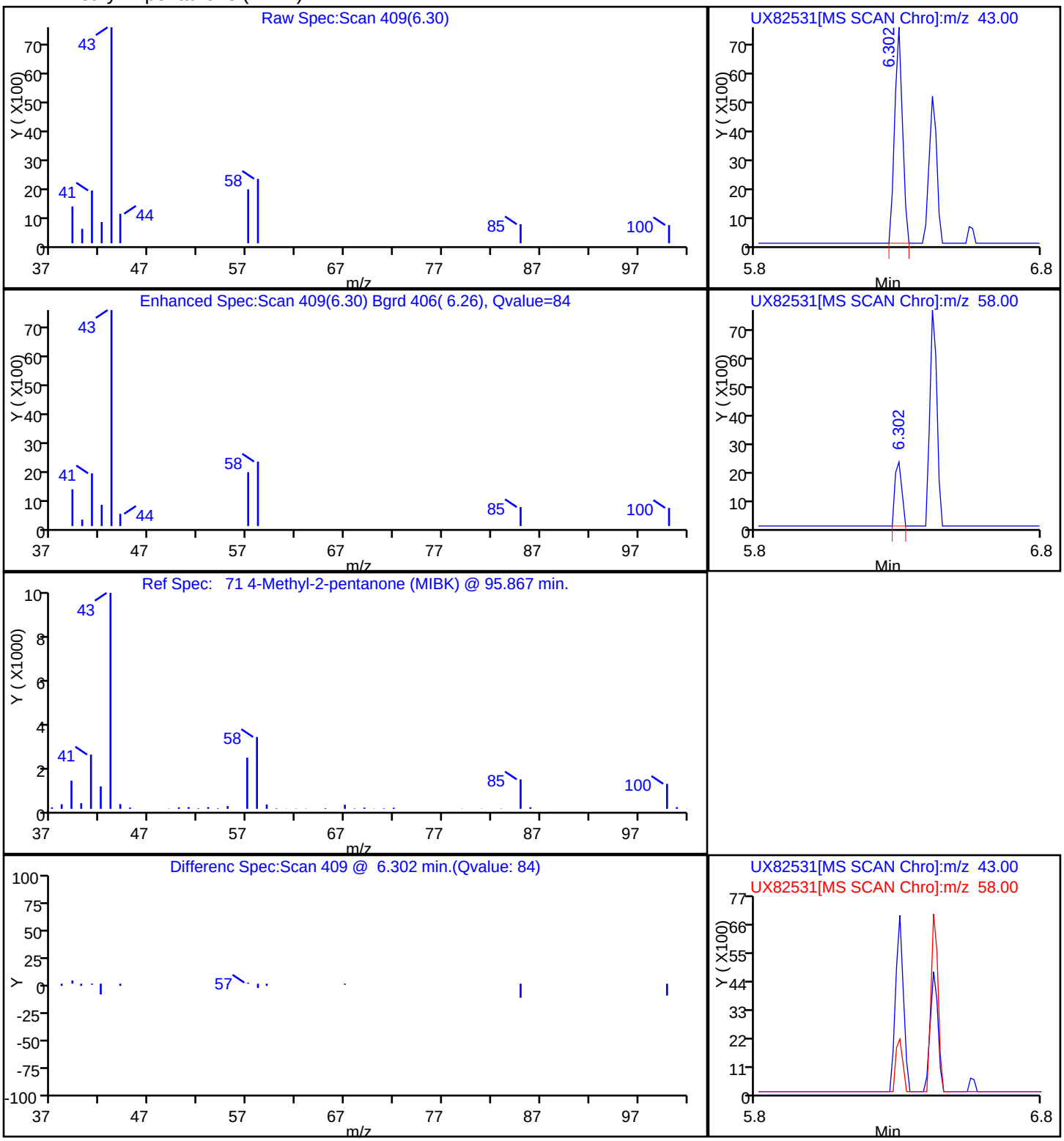
Report Date: 20-Dec-2012 03:33:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82531.D

Injection Date:	17-Dec-2012 01:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	7
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

71 4-Methyl-2-pentanone (MIBK)



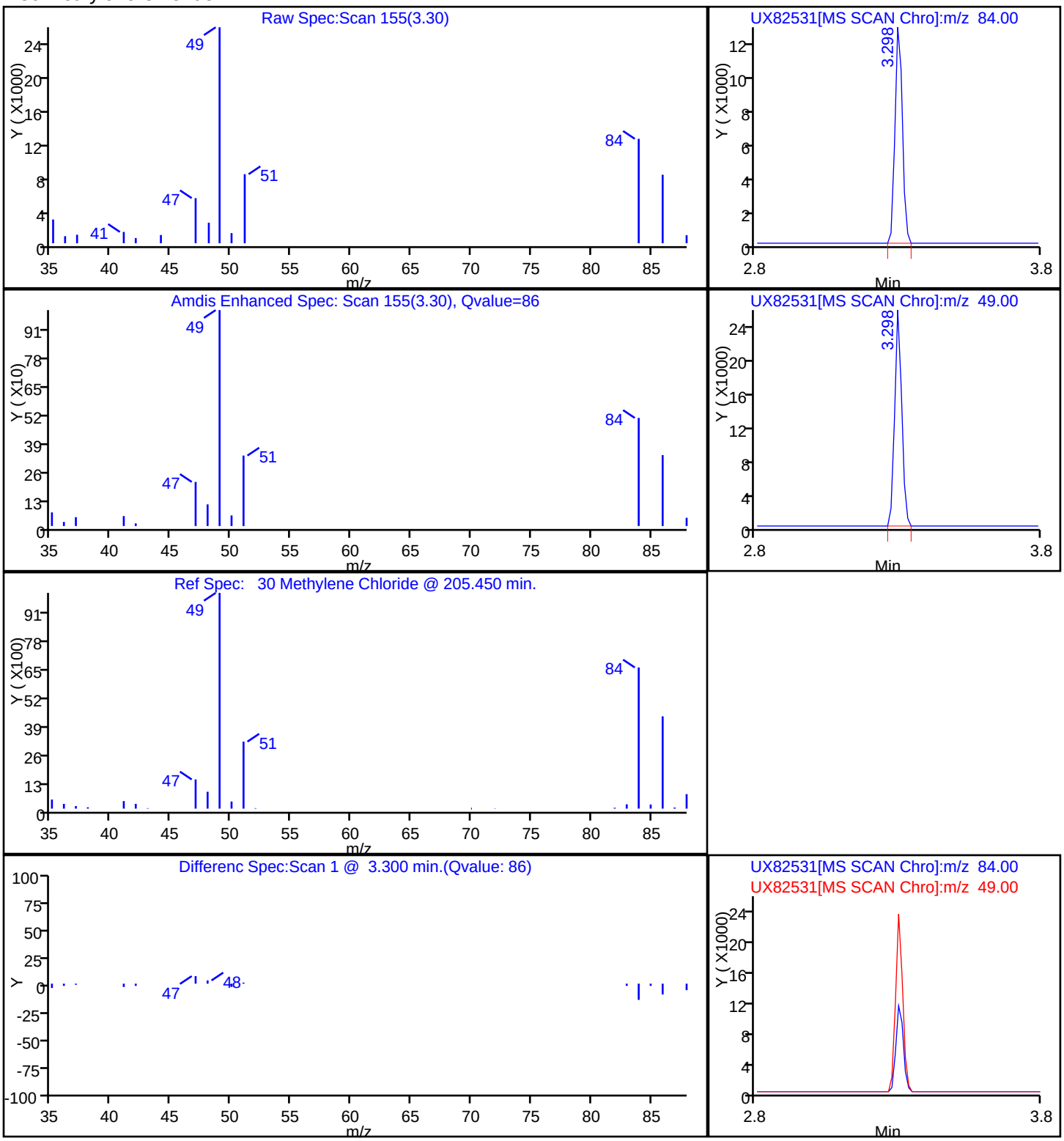
Report Date: 20-Dec-2012 03:33:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82531.D

Injection Date:	17-Dec-2012 01:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	7
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-68395/5

Matrix: Water | Lab File ID: UXJ8970.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2012 13:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68395 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	10.2		1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	11.4		1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	10.7		1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	11.3		1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	10.8		1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	10.7		1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	20.7		2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	11.0		1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	21.2		10	0.57	0.57
591-78-6	2-Hexanone	22.3		10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	21.9		10	0.50	0.32
67-64-1	Acetone	18.2		10	1.1	1.1
71-43-2	Benzene	10.5		1.0	0.25	0.13
75-25-2	Bromoform	8.85		1.0	0.64	0.64
74-83-9	Bromomethane	8.55		1.0	0.50	0.41
75-15-0	Carbon disulfide	11.1		1.0	0.25	0.13
56-23-5	Carbon tetrachloride	9.68		1.0	0.25	0.13
108-90-7	Chlorobenzene	10.1		1.0	0.25	0.15
75-27-4	Bromodichloromethane	10.4		1.0	0.25	0.15
74-87-3	Chloromethane	10.3		1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	10.0		1.0	0.25	0.14
124-48-1	Dibromochloromethane	9.66		1.0	0.25	0.18
100-41-4	Ethylbenzene	9.95		1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	10.7		1.0	0.25	0.17
75-09-2	Methylene Chloride	9.93		1.0	0.50	0.33
100-42-5	Styrene	10.4		1.0	0.25	0.11
127-18-4	Tetrachloroethene	8.63		1.0	0.50	0.29
108-88-3	Toluene	10.1		1.0	0.25	0.13
67-66-3	Chloroform	10.2		1.0	0.25	0.16
74-97-5	Bromochloromethane	9.67		1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	10.3		1.0	0.25	0.24
10061-02-6	trans-1,3-Dichloropropene	10.4		1.0	0.25	0.19
79-01-6	Trichloroethene	9.40		1.0	0.25	0.17
75-01-4	Vinyl chloride	9.88		1.0	0.25	0.22
75-00-3	Chloroethane	10.1		1.0	0.50	0.29
1330-20-7	Xylenes, Total	30.5		2.0	0.75	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-68395/5

Matrix: Water Lab File ID: UXJ8970.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/12/2012 13:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68395 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		70-120
2037-26-5	Toluene-d8 (Surr)	97		85-120
460-00-4	4-Bromofluorobenzene (Surr)	106		75-120
1868-53-7	Dibromofluoromethane (Surr)	92		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8970.D
Lims ID: LCS Client ID:
Inject. Date: 12-Dec-2012 13:15:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015761-005
Misc. Info.: J21212A,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 68395 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\8260_11.m
Last Update: 13-Dec-2012 08:28:24 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: evansle Date: 12-Dec-2012 13:44:25

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1172725	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	85	702363	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	88	234724	10.0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	94	246322	7.67	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	87	294569	7.91	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	84	978166	8.13	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	88	212196	8.82	
8 Dichlorodifluoromethane	85	1.542	1.542	0.0	96	178878	7.66	
9 Chloromethane	50	1.696	1.696	0.0	89	215384	10.3	
10 Vinyl chloride	62	1.790	1.790	0.0	94	214099	9.88	
11 Bromomethane	94	2.074	2.074	0.0	88	87402	8.55	
12 Chloroethane	64	2.145	2.157	-0.012	93	121867	10.1	
14 Trichlorofluoromethane	101	2.358	2.358	0.0	96	236847	9.52	
15 Ethyl ether	59	2.559	2.559	0.0	88	289791	11.4	
16 Acrolein	56	2.654	2.654	0.0	92	84843	26.2	
17 Acetone	43	2.772	2.772	0.0	58	135509	18.2	
19 1,1-Dichloroethene	96	2.772	2.784	-0.012	90	223858	10.8	
18 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.784	2.784	0.0	48	130163	8.92	
21 Iodomethane	142	2.914	2.914	0.0	97	253485	10.3	
23 Carbon disulfide	76	2.973	2.973	0.0	99	568752	11.1	
24 Acetonitrile	41	2.997	2.997	0.0	94	58774	28.4	
25 Methyl acetate	43	3.044	3.044	0.0	88	202802	10.9	
26 Methylene Chloride	84	3.163	3.163	0.0	85	230117	9.93	
27 2-Methyl-2-propanol	59	3.210	3.198	0.012	98	320049	203.0	
28 Acrylonitrile	53	3.317	3.317	0.0	97	269286	30.8	
30 Methyl tert-butyl ether	73	3.364	3.364	0.0	87	960853	10.7	
29 trans-1,2-Dichloroethene	96	3.364	3.364	0.0	60	334165	10.5	
31 Hexane	86	3.589	3.589	0.0	92	66280	8.95	
32 1,1-Dichloroethane	63	3.695	3.695	0.0	86	589306	11.3	
33 Vinyl acetate	86	3.731	3.731	0.0	97	81070	12.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
34 Isopropyl ether	87	3.754	3.754	0.0	96	340245	10.5	
40 cis-1,2-Dichloroethene	96	4.169	4.169	0.0	69	381768	10.2	
38 2-Butanone (MEK)	43	4.169	4.169	0.0	53	208801	21.2	
39 2,2-Dichloropropane	77	4.180	4.169	0.011	75	219401	10.3	
43 Chlorobromomethane	128	4.358	4.358	0.0	94	180458	9.67	
44 Tetrahydrofuran	42	4.405	4.405	0.0	82	68458	10.5	
45 Chloroform	83	4.417	4.417	0.0	84	600522	10.2	
46 1,1,1-Trichloroethane	97	4.595	4.595	0.0	88	333613	10.2	
47 Cyclohexane	56	4.654	4.654	0.0	87	322312	9.44	
48 1,1-Dichloropropene	75	4.725	4.725	0.0	93	465247	10.2	
49 Carbon tetrachloride	117	4.737	4.737	0.0	71	305397	9.68	
50 Isobutyl alcohol	41	4.772	4.772	0.0	91	298150	509.4	
52 Benzene	78	4.902	4.902	0.0	96	1434966	10.5	
51 1,2-Dichloroethane	62	4.902	4.902	0.0	53	480951	10.7	
56 Trichloroethene	130	5.435	5.435	0.0	92	365909	9.40	
59 1,2-Dichloropropane	63	5.612	5.612	0.0	87	327220	11.0	
58 Methylcyclohexane	83	5.612	5.612	0.0	89	345439	8.51	
61 Dibromomethane	93	5.719	5.719	0.0	85	189144	10.7	
63 Dichlorobromomethane	83	5.837	5.837	0.0	93	428771	10.4	
65 2-Chloroethyl vinyl ether	63	6.086	6.086	0.0	93	181090	10.5	
66 cis-1,3-Dichloropropene	75	6.228	6.228	0.0	88	500131	10.0	
67 4-Methyl-2-pentanone (MIBK)	43	6.358	6.358	0.0	95	430871	21.9	
68 Toluene	91	6.535	6.535	0.0	92	1458912	10.1	
69 trans-1,3-Dichloropropene	75	6.713	6.713	0.0	91	431823	10.4	
71 1,1,2-Trichloroethane	97	6.878	6.878	0.0	91	262969	10.7	
72 Tetrachloroethene	164	7.032	7.032	0.0	81	253203	8.63	
73 1,3-Dichloropropane	76	7.032	7.032	0.0	91	451727	10.7	
74 2-Hexanone	43	7.091	7.091	0.0	95	252426	22.3	
76 Chlorodibromomethane	129	7.245	7.245	0.0	85	260941	9.66	
77 Ethylene Dibromide	107	7.352	7.352	0.0	99	234980	10.3	
79 Chlorobenzene	112	7.813	7.813	0.0	92	752434	10.1	
80 1,1,1,2-Tetrachloroethane	131	7.884	7.884	0.0	84	268961	9.91	
81 Ethylbenzene	106	7.908	7.908	0.0	98	405972	9.95	
82 m-Xylene & p-Xylene	106	8.014	8.014	0.0	97	964519	20.3	
83 o-Xylene	106	8.393	8.393	0.0	92	427375	10.2	
84 Styrene	104	8.405	8.405	0.0	91	698284	10.4	
85 Bromoform	173	8.582	8.582	0.0	95	104881	8.85	
86 Isopropylbenzene	105	8.748	8.748	0.0	95	937989	9.97	
87 Cyclohexanone	55	8.831	8.831	0.001	86	84964	57.9	
88 1,1,2,2-Tetrachloroethane	83	9.020	9.020	0.0	95	162454	11.4	
89 Bromobenzene	156	9.044	9.044	0.0	94	218946	10.2	
90 1,2,3-Trichloropropane	110	9.067	9.067	0.0	74	57341	11.2	
91 trans-1,4-Dichloro-2-butene	53	9.067	9.067	0.0	68	57325	22.8	
92 N-Propylbenzene	120	9.150	9.150	0.0	97	210666	11.1	
93 2-Chlorotoluene	126	9.233	9.233	0.0	95	179635	10.6	
94 1,3,5-Trimethylbenzene	105	9.316	9.316	0.0	91	590190	10.9	
95 4-Chlorotoluene	126	9.340	9.340	0.0	99	189881	10.8	
96 tert-Butylbenzene	119	9.635	9.635	0.0	81	491924	10.6	
97 1,2,4-Trimethylbenzene	105	9.683	9.683	0.0	76	601104	10.7	
98 sec-Butylbenzene	105	9.860	9.860	0.0	93	636822	10.4	
99 1,3-Dichlorobenzene	146	9.967	9.967	0.0	96	351168	9.76	
100 4-Isopropyltoluene	119	10.002	9.990	0.012	89	567262	10.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
101 1,4-Dichlorobenzene	146	10.050	10.050	0.0	93	364931	9.60	
102 1,2,3-Trimethylbenzene	105	10.097	10.108	-0.011	96	640094	11.4	
103 n-Butylbenzene	91	10.405	10.405	0.0	94	463891	10.2	
104 1,2-Dichlorobenzene	146	10.416	10.416	0.0	96	343360	9.64	
105 1,2-Dibromo-3-Chloropropane	157	11.186	11.186	0.0	63	24029	8.27	
107 1,2,4-Trichlorobenzene	180	12.026	12.026	0.0	93	129820	6.83	
108 Hexachlorobutadiene	225	12.203	12.203	0.0	91	70103	6.16	
109 Naphthalene	128	12.274	12.274	0.0	97	262481	6.20	
110 1,2,3-Trichlorobenzene	180	12.523	12.523	0.0	94	91039	6.24	
S 138 Trihalomethanes, Total	1				0		39.1	
S 112 1,2-Dichloroethene, Total	96				0		20.7	
S 114 Xylenes, Total	106				0		30.5	

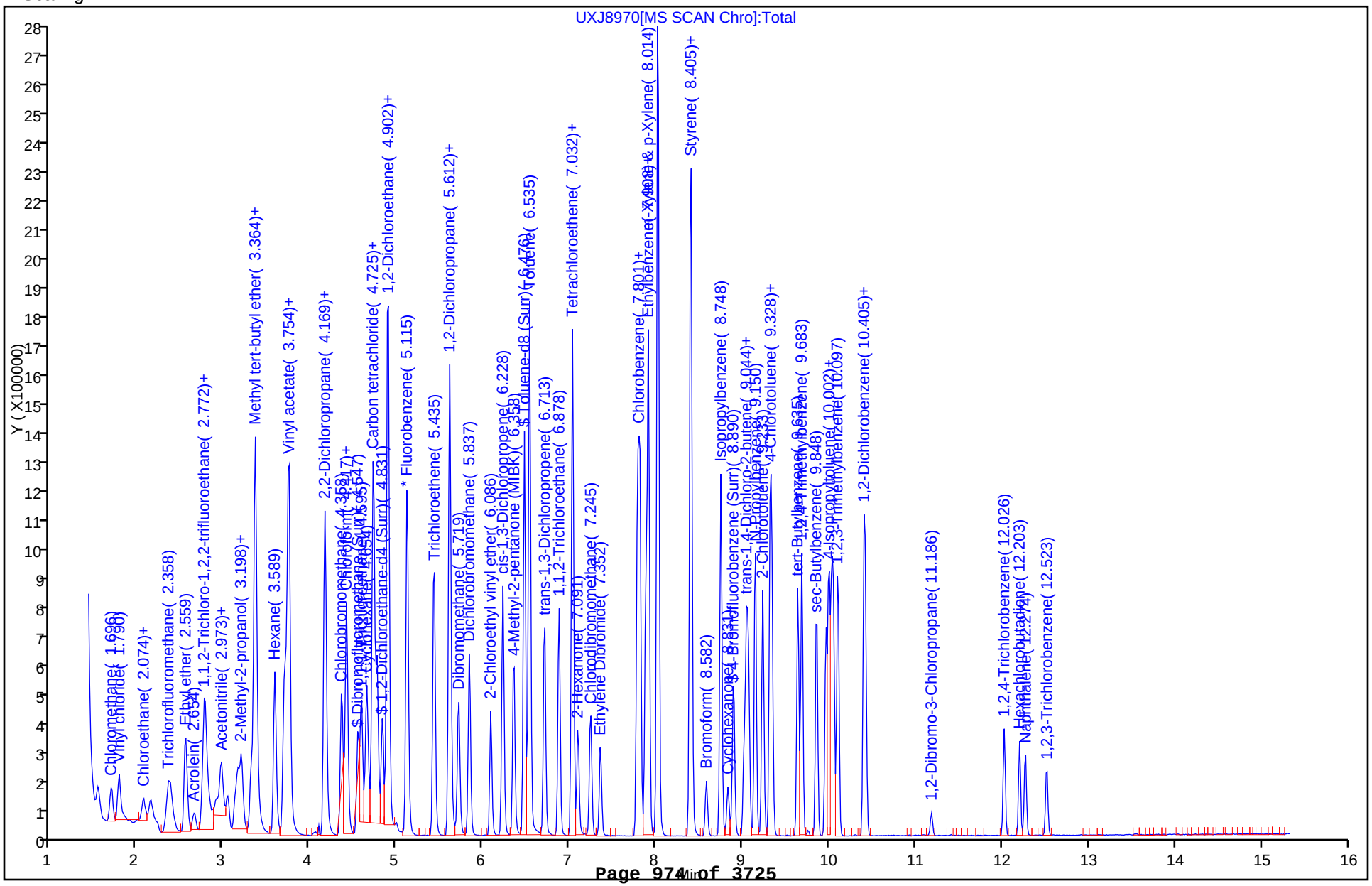
Report Date: 13-Dec-2012 08:28:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8970.D

Injection Date:	12-Dec-2012 13:15:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68395	Lims Sample ID:	5
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-68879/6

Matrix: Solid | Lab File ID: UX82497.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/15/2012 18:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68879 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	27.4		5.0	1.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	24.5		5.0	0.50	0.34
79-00-5	1,1,2-Trichloroethane	25.2		5.0	0.50	0.39
75-34-3	1,1-Dichloroethane	27.0		5.0	0.50	0.36
75-35-4	1,1-Dichloroethene	29.5		5.0	1.0	0.52
107-06-2	1,2-Dichloroethane	26.1		5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	52.8		10	1.0	0.77
78-87-5	1,2-Dichloropropane	26.6		5.0	1.0	0.69
78-93-3	2-Butanone (MEK)	43.0		20	2.0	1.4
591-78-6	2-Hexanone	41.9		20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	44.6		20	1.0	0.54
67-64-1	Acetone	52.1		20	6.3	6.3
71-43-2	Benzene	27.1		5.0	0.50	0.23
75-25-2	Bromoform	20.9		5.0	0.50	0.33
74-83-9	Bromomethane	21.7		5.0	1.0	0.54
75-15-0	Carbon disulfide	27.2		5.0	0.50	0.44
56-23-5	Carbon tetrachloride	27.7		5.0	0.50	0.37
108-90-7	Chlorobenzene	26.4		5.0	0.50	0.33
75-27-4	Bromodichloromethane	27.4		5.0	0.50	0.28
74-87-3	Chloromethane	25.2		5.0	0.50	0.41
10061-01-5	cis-1,3-Dichloropropene	25.3		5.0	0.50	0.34
124-48-1	Dibromochloromethane	24.7		5.0	1.0	0.55
100-41-4	Ethylbenzene	27.2		5.0	0.50	0.26
1634-04-4	Methyl tert-butyl ether	25.2		5.0	0.50	0.43
75-09-2	Methylene Chloride	28.3		5.0	1.0	0.67
100-42-5	Styrene	28.7		5.0	0.50	0.15
127-18-4	Tetrachloroethene	26.3		5.0	1.0	0.52
108-88-3	Toluene	25.9		5.0	0.50	0.27
67-66-3	Chloroform	26.5		5.0	0.50	0.29
74-97-5	Bromochloromethane	24.9		5.0	1.0	0.71
106-93-4	1,2-Dibromoethane	26.2		5.0	1.0	0.50
10061-02-6	trans-1,3-Dichloropropene	22.6		5.0	1.0	0.54
79-01-6	Trichloroethene	27.4		5.0	0.50	0.42
75-01-4	Vinyl chloride	25.7		5.0	0.50	0.39
75-00-3	Chloroethane	23.7		5.0	1.0	0.86
1330-20-7	Xylenes, Total	81.4		10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-68879/6

Matrix: Solid Lab File ID: UX82497.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/15/2012 18:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68879 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		61-130
2037-26-5	Toluene-d8 (Surr)	103		85-115
460-00-4	4-Bromofluorobenzene (Surr)	102		85-120
1868-53-7	Dibromofluoromethane (Surr)	101		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82497.D
Lims ID: LCS Client ID:
Inject. Date: 15-Dec-2012 18:40:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015886-006
Misc. Info.: M21215A,8260SUX8,,402279 =M21215A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 68879 Lims Sample ID: 6
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\8260_8.m
Last Update: 19-Dec-2012 02:39:20 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK028

First Level Reviewer: latat Date: 15-Dec-2012 19:01:48

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.157	5.147	0.010	100	1544787	50.0	
* 2 Chlorobenzene-d5	117	7.689	7.678	0.011	97	1119401	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.878	-0.001	99	552203	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.625	4.624	0.001	59	388229	50.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.885	4.884	0.001	96	466033	48.3	
$ 7 Toluene-d8 (Surr)	98	6.423	6.421	0.002	94	1431138	51.3	
$ 131 4-Bromofluorobenzene (Surr)	95	8.753	8.763	-0.010	91	492547	51.2	
12 Dichlorodifluoromethane	85	1.573	1.572	0.001	96	120647	22.3	
13 Chloromethane	50	1.751	1.749	0.002	100	241769	25.2	
14 Vinyl chloride	62	1.869	1.867	0.002	99	152197	25.7	
15 Bromomethane	94	2.177	2.187	-0.010	92	72551	21.7	
16 Chloroethane	64	2.271	2.281	-0.010	93	85640	23.7	
18 Trichlorofluoromethane	101	2.508	2.506	0.002	96	210104	29.5	
19 Ethyl ether	59	2.733	2.734	-0.001	93	191653	25.1	
20 Acrolein	56	2.839	2.837	0.002	92	89662	51.2	
21 1,1-Dichloroethene	96	2.922	2.932	-0.010	96	145414	29.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.945	2.944	0.001	88	132958	30.0	
22 Acetone	43	2.957	2.956	0.001	96	214259	52.1	
24 Iodomethane	142	3.052	3.050	0.002	99	284515	27.0	
26 Carbon disulfide	76	3.111	3.109	0.002	98	396258	27.2	
27 Acetonitrile	41	3.170	3.169	0.001	99	107811	65.8	
28 Methyl acetate	43	3.218	3.216	0.002	97	213348	21.9	
30 Methylene Chloride	84	3.300	3.299	0.001	93	196057	28.3	
31 2-Methyl-2-propanol	59	3.371	3.382	-0.011	90	267865	350.7	
32 Acrylonitrile	53	3.478	3.476	0.002	97	279199	69.1	
34 Methyl tert-butyl ether	73	3.513	3.523	-0.010	86	459340	25.2	
33 trans-1,2-Dichloroethene	96	3.513	3.523	-0.010	69	168077	26.7	
35 Hexane	86	3.726	3.736	-0.010	95	49527	28.6	
36 1,1-Dichloroethane	63	3.833	3.831	0.002	96	323443	27.0	
37 Vinyl acetate	86	3.856	3.855	0.001	97	37123	26.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	3.880	3.881	-0.001	97	157942	28.3	
42 cis-1,2-Dichloroethene	96	4.270	4.269	0.001	88	187715	26.1	
41 2-Butanone (MEK)	43	4.270	4.269	0.001	90	261843	43.0	
43 2,2-Dichloropropane	77	4.282	4.280	0.002	73	135024	28.2	
47 Chlorobromomethane	128	4.448	4.458	-0.010	92	102207	24.9	
48 Tetrahydrofuran	42	4.495	4.493	0.002	91	79582	21.6	
49 Chloroform	83	4.507	4.505	0.002	99	299500	26.5	
50 1,1,1-Trichloroethane	97	4.661	4.671	-0.010	91	228911	27.4	
51 Cyclohexane	56	4.720	4.718	0.002	99	359932	27.5	
52 1,1-Dichloropropene	75	4.791	4.789	0.002	83	211398	27.1	
53 Carbon tetrachloride	117	4.803	4.801	0.002	92	212283	27.7	
54 Isobutyl alcohol	41	4.814	4.816	-0.002	93	378604	957.1	
56 1,2-Dichloroethane	62	4.945	4.943	0.001	55	288301	26.1	
55 Benzene	78	4.945	4.943	0.001	93	655884	27.1	
60 Trichloroethene	130	5.441	5.440	0.001	93	201009	27.4	
63 Methylcyclohexane	83	5.607	5.605	0.002	93	288173	27.8	
62 1,2-Dichloropropane	63	5.619	5.617	0.002	89	177662	26.6	
65 Dibromomethane	93	5.713	5.712	0.001	82	105781	27.1	
67 Dichlorobromomethane	83	5.820	5.830	-0.010	94	205698	27.4	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.187	6.185	0.001	79	207893	25.3	
71 4-Methyl-2-pentanone (MIBK)	43	6.305	6.303	0.002	98	482842	44.6	
72 Toluene	91	6.482	6.481	0.001	93	717938	25.9	
73 trans-1,3-Dichloropropene	75	6.636	6.646	-0.010	87	186063	22.6	
75 1,1,2-Trichloroethane	97	6.802	6.800	0.002	95	146136	25.2	
76 1,3-Dichloropropane	76	6.955	6.954	0.001	93	247165	26.4	
77 Tetrachloroethene	164	6.955	6.966	-0.011	84	155028	26.3	
78 2-Hexanone	43	7.003	7.001	0.002	96	313842	41.9	
79 Chlorodibromomethane	129	7.156	7.155	0.001	90	157252	24.7	
123 Ethylene Dibromide	107	7.275	7.273	0.002	96	149357	26.2	
82 Chlorobenzene	112	7.712	7.711	0.001	88	500822	26.4	
83 1,1,1,2-Tetrachloroethane	131	7.772	7.770	0.002	84	161950	26.6	
84 Ethylbenzene	106	7.795	7.794	0.001	98	259711	27.2	
10 m-Xylene & p-Xylene	106	7.902	7.900	0.002	98	617453	53.9	
85 o-Xylene	106	8.268	8.267	0.001	89	299931	27.5	
86 Styrene	104	8.280	8.279	0.001	89	505532	28.7	
87 Bromoform	173	8.458	8.456	0.002	96	85115	20.9	
88 Isopropylbenzene	105	8.611	8.610	0.001	96	752449	27.2	
89 Cyclohexanone	55	8.694	8.695	-0.001	94	117271	57.6	
90 1,1,2,2-Tetrachloroethane	83	8.872	8.870	0.002	82	156928	24.5	
91 Bromobenzene	156	8.919	8.917	0.002	89	209992	26.3	
92 1,2,3-Trichloropropane	110	8.931	8.929	0.002	76	60096	24.3	
93 trans-1,4-Dichloro-2-butene	53	8.931	8.929	0.002	79	132603	48.5	
94 N-Propylbenzene	120	9.002	9.000	0.002	98	212310	28.1	
95 2-Chlorotoluene	126	9.096	9.095	0.001	97	185610	26.6	
96 1,3,5-Trimethylbenzene	105	9.167	9.166	0.001	85	598495	27.4	
104 4-Chlorotoluene	126	9.191	9.189	0.002	97	198825	27.3	
97 tert-Butylbenzene	119	9.487	9.485	0.002	92	535346	25.7	
98 1,2,4-Trimethylbenzene	105	9.534	9.532	0.002	77	599850	27.4	
99 sec-Butylbenzene	105	9.700	9.698	0.002	94	719682	26.3	
100 1,3-Dichlorobenzene	146	9.818	9.816	0.002	96	378547	25.7	
101 4-Isopropyltoluene	119	9.842	9.840	0.002	91	630563	27.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	9.901	9.899	0.002	92	374569	24.4	
103 1,2,3-Trimethylbenzene	105	9.948	9.949	-0.001	88	566169	25.6	
105 n-Butylbenzene	91	10.244	10.242	0.002	96	500603	26.4	
106 1,2-Dichlorobenzene	146	10.267	10.266	0.001	98	338901	24.5	
107 1,2-Dibromo-3-Chloropropane	157	11.024	11.023	0.001	56	20375	19.8	
109 1,2,4-Trichlorobenzene	180	11.864	11.863	0.001	94	149357	21.1	
110 Hexachlorobutadiene	225	12.030	12.028	0.002	93	69511	28.4	
111 Naphthalene	128	12.101	12.099	0.002	97	315356	18.8	
112 1,2,3-Trichlorobenzene	180	12.361	12.359	0.002	96	121837	24.3	
S 136 Trihalomethanes, Total	1				0		99.4	
S 11 1,2-Dichloroethene, Total	96				0		52.8	
S 114 Xylenes, Total	106				0		81.3	

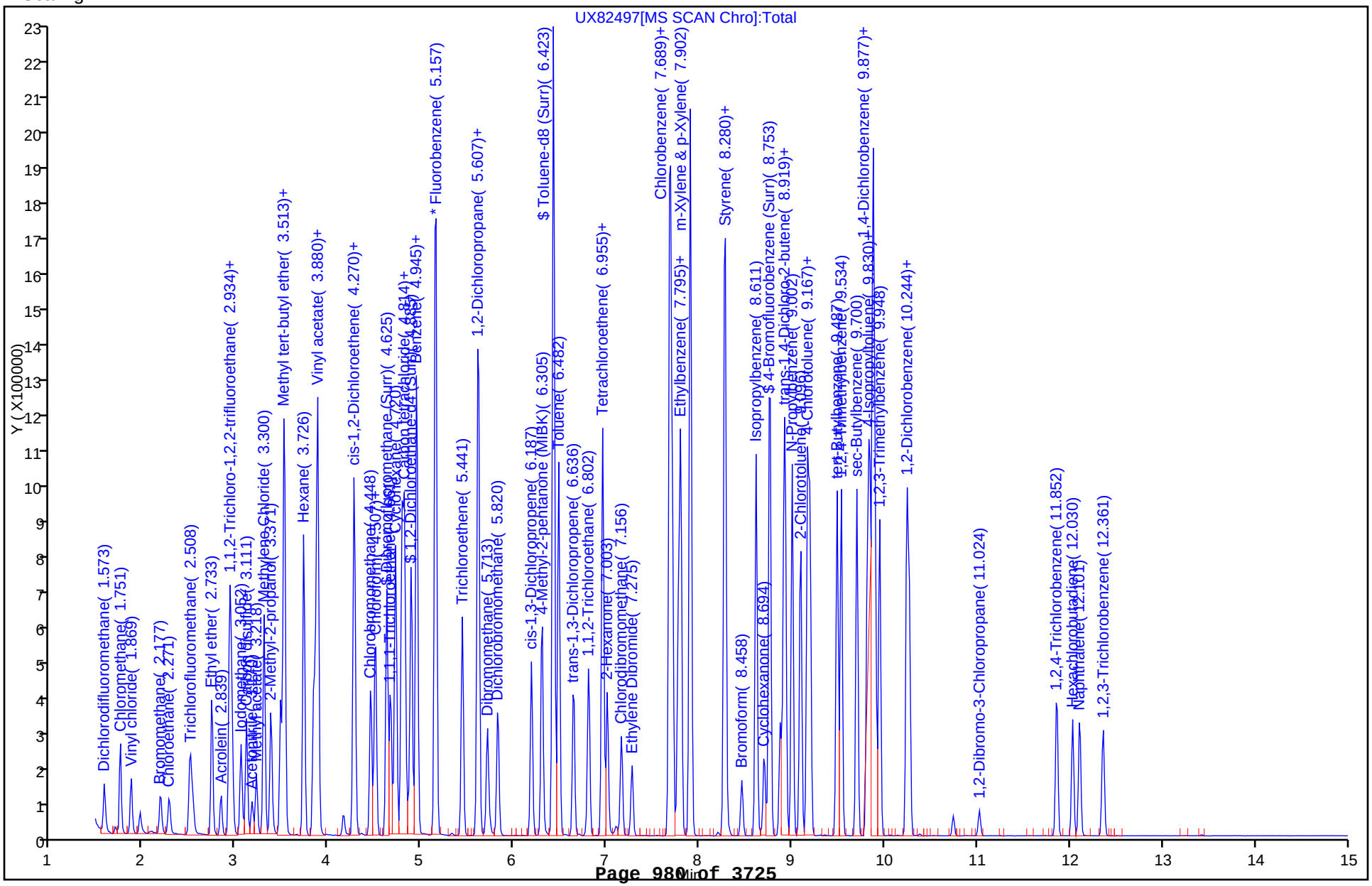
Report Date: 19-Dec-2012 02:39:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82497.D

Injection Date:	15-Dec-2012 18:40:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	6
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-68905/6

Matrix: Solid | Lab File ID: UX82530.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/17/2012 00:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	29.9		5.0	1.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	26.8		5.0	0.50	0.34
79-00-5	1,1,2-Trichloroethane	26.2		5.0	0.50	0.39
75-34-3	1,1-Dichloroethane	28.3		5.0	0.50	0.36
75-35-4	1,1-Dichloroethene	30.6		5.0	1.0	0.52
107-06-2	1,2-Dichloroethane	28.1		5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	55.9		10	1.0	0.77
78-87-5	1,2-Dichloropropane	27.6		5.0	1.0	0.69
78-93-3	2-Butanone (MEK)	49.5		20	2.0	1.4
591-78-6	2-Hexanone	47.9		20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	50.2		20	1.0	0.54
67-64-1	Acetone	60.3		20	6.3	6.3
71-43-2	Benzene	27.7		5.0	0.50	0.23
75-25-2	Bromoform	24.2		5.0	0.50	0.33
74-83-9	Bromomethane	22.6		5.0	1.0	0.54
75-15-0	Carbon disulfide	29.1		5.0	0.50	0.44
56-23-5	Carbon tetrachloride	30.7		5.0	0.50	0.37
108-90-7	Chlorobenzene	26.2		5.0	0.50	0.33
75-27-4	Bromodichloromethane	28.9		5.0	0.50	0.28
74-87-3	Chloromethane	26.3		5.0	0.50	0.41
10061-01-5	cis-1,3-Dichloropropene	26.1		5.0	0.50	0.34
124-48-1	Dibromochloromethane	26.6		5.0	1.0	0.55
100-41-4	Ethylbenzene	26.8		5.0	0.50	0.26
1634-04-4	Methyl tert-butyl ether	27.4		5.0	0.50	0.43
75-09-2	Methylene Chloride	30.5		5.0	1.0	0.67
100-42-5	Styrene	28.4		5.0	0.50	0.15
127-18-4	Tetrachloroethene	25.9		5.0	1.0	0.52
108-88-3	Toluene	26.1		5.0	0.50	0.27
67-66-3	Chloroform	27.2		5.0	0.50	0.29
74-97-5	Bromochloromethane	27.1		5.0	1.0	0.71
106-93-4	1,2-Dibromoethane	27.1		5.0	1.0	0.50
10061-02-6	trans-1,3-Dichloropropene	23.8		5.0	1.0	0.54
79-01-6	Trichloroethene	27.1		5.0	0.50	0.42
75-01-4	Vinyl chloride	25.6		5.0	0.50	0.39
75-00-3	Chloroethane	26.0		5.0	1.0	0.86
1330-20-7	Xylenes, Total	81.7		10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-68905/6

Matrix: Solid Lab File ID: UX82530.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/17/2012 00:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		61-130
2037-26-5	Toluene-d8 (Surr)	102		85-115
460-00-4	4-Bromofluorobenzene (Surr)	101		85-120
1868-53-7	Dibromofluoromethane (Surr)	103		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82530.D
Lims ID: LCS Client ID:
Inject. Date: 17-Dec-2012 00:47:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015896-006
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 68905 Lims Sample ID: 6
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 01:29:00

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.158	5.155	0.003	99	1491884	50.0	
* 2 Chlorobenzene-d5	117	7.678	7.686	-0.008	98	1048746	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.874	0.004	99	523431	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.623	0.003	58	379947	51.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.886	4.884	0.002	96	474783	51.5	
$ 7 Toluene-d8 (Surr)	98	6.424	6.421	0.003	95	1334931	51.1	
$ 131 4-Bromofluorobenzene (Surr)	95	8.754	8.763	-0.009	92	456025	50.5	
12 Dichlorodifluoromethane	85	1.574	1.583	-0.009	97	118092	22.6	
13 Chloromethane	50	1.752	1.749	0.003	100	243098	26.3	
14 Vinyl chloride	62	1.870	1.867	0.003	100	146496	25.6	
15 Bromomethane	94	2.177	2.187	-0.010	92	72918	22.6	
16 Chloroethane	64	2.272	2.281	-0.009	94	90619	26.0	
18 Trichlorofluoromethane	101	2.509	2.506	0.003	96	206874	30.1	
19 Ethyl ether	59	2.733	2.741	-0.008	95	204467	27.8	
20 Acrolein	56	2.840	2.837	0.003	89	96659	57.2	
21 1,1-Dichloroethene	96	2.934	2.932	0.002	96	145932	30.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.946	2.944	0.002	89	130920	30.6	
22 Acetone	43	2.958	2.956	0.002	96	236042	60.3	
24 Iodomethane	142	3.053	3.050	0.003	99	297053	29.1	
26 Carbon disulfide	76	3.112	3.109	0.003	98	409508	29.1	
27 Acetonitrile	41	3.171	3.168	0.003	99	117335	74.2	
28 Methyl acetate	43	3.218	3.216	0.002	98	245006	26.0	
30 Methylene Chloride	84	3.301	3.299	0.002	92	203464	30.5	
31 2-Methyl-2-propanol	59	3.372	3.369	0.003	88	290311	393.5	
32 Acrylonitrile	53	3.479	3.476	0.003	96	315051	80.8	
34 Methyl tert-butyl ether	73	3.514	3.523	-0.009	85	482511	27.4	
33 trans-1,2-Dichloroethene	96	3.526	3.523	0.003	70	171420	28.2	
35 Hexane	86	3.727	3.736	-0.009	95	49464	29.5	
36 1,1-Dichloroethane	63	3.833	3.831	0.002	98	327749	28.3	
37 Vinyl acetate	86	3.857	3.854	0.003	96	35985	26.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	3.881	3.877	0.004	97	157640	29.3	
41 2-Butanone (MEK)	43	4.271	4.268	0.003	96	291374	49.5	
42 cis-1,2-Dichloroethene	96	4.271	4.268	0.003	88	192403	27.7	
43 2,2-Dichloropropane	77	4.283	4.280	0.003	73	147951	32.0	
47 Chlorobromomethane	128	4.448	4.458	-0.010	90	107274	27.1	
48 Tetrahydrofuran	42	4.496	4.493	0.003	90	92397	26.0	
49 Chloroform	83	4.508	4.505	0.003	98	297075	27.2	
50 1,1,1-Trichloroethane	97	4.661	4.659	0.002	92	241578	29.9	
51 Cyclohexane	56	4.721	4.718	0.003	98	366797	29.0	
52 1,1-Dichloropropene	75	4.792	4.789	0.003	80	220497	29.2	
53 Carbon tetrachloride	117	4.803	4.801	0.002	89	227338	30.7	
54 Isobutyl alcohol	41	4.815	4.811	0.004	91	372904	976.1	
55 Benzene	78	4.945	4.943	0.002	93	645655	27.7	
56 1,2-Dichloroethane	62	4.945	4.943	0.002	61	299491	28.1	
60 Trichloroethene	130	5.442	5.439	0.003	92	192310	27.1	
63 Methylcyclohexane	83	5.608	5.605	0.003	90	281452	28.1	
62 1,2-Dichloropropane	63	5.620	5.617	0.003	85	177820	27.6	
65 Dibromomethane	93	5.714	5.712	0.002	82	111084	29.4	
67 Dichlorobromomethane	83	5.821	5.818	0.003	95	209609	28.9	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.187	6.185	0.002	80	206995	26.1	
71 4-Methyl-2-pentanone (MIBK)	43	6.294	6.303	-0.009	98	524739	50.2	
72 Toluene	91	6.483	6.480	0.003	94	678350	26.1	
73 trans-1,3-Dichloropropene	75	6.637	6.646	-0.009	90	183592	23.8	
75 1,1,2-Trichloroethane	97	6.802	6.800	0.002	95	142588	26.2	
77 Tetrachloroethene	164	6.956	6.954	0.002	85	143043	25.9	
76 1,3-Dichloropropane	76	6.956	6.954	0.002	91	232375	26.5	
78 2-Hexanone	43	7.003	7.001	0.002	96	335765	47.9	
79 Chlorodibromomethane	129	7.157	7.155	0.002	89	159024	26.6	
123 Ethylene Dibromide	107	7.276	7.273	0.003	97	144810	27.1	
82 Chlorobenzene	112	7.713	7.711	0.002	93	465537	26.2	
83 1,1,1,2-Tetrachloroethane	131	7.772	7.770	0.002	88	161610	28.3	
84 Ethylbenzene	106	7.796	7.793	0.003	98	239447	26.8	
10 m-Xylene & p-Xylene	106	7.902	7.900	0.002	98	582024	54.2	
85 o-Xylene	106	8.269	8.267	0.003	89	281329	27.5	
86 Styrene	104	8.281	8.278	0.003	89	469266	28.4	
87 Bromoform	173	8.458	8.456	0.002	96	92701	24.2	
88 Isopropylbenzene	105	8.612	8.610	0.002	96	722953	27.8	
89 Cyclohexanone	55	8.695	8.703	-0.008	96	125157	65.7	
90 1,1,2,2-Tetrachloroethane	83	8.872	8.870	0.002	81	162408	26.8	
91 Bromobenzene	156	8.920	8.917	0.003	88	211661	28.0	
92 1,2,3-Trichloropropane	110	8.920	8.929	-0.009	78	64853	27.7	
93 trans-1,4-Dichloro-2-butene	53	8.931	8.929	0.002	82	140252	54.1	
94 N-Propylbenzene	120	9.002	9.000	0.002	98	200804	28.0	
95 2-Chlorotoluene	126	9.097	9.095	0.003	97	176766	26.7	
96 1,3,5-Trimethylbenzene	105	9.168	9.165	0.003	94	582706	28.1	
104 4-Chlorotoluene	126	9.192	9.189	0.003	97	190293	27.5	
97 tert-Butylbenzene	119	9.487	9.485	0.002	91	539562	27.3	
98 1,2,4-Trimethylbenzene	105	9.535	9.532	0.003	86	585956	28.2	
99 sec-Butylbenzene	105	9.700	9.698	0.002	94	718750	27.7	
100 1,3-Dichlorobenzene	146	9.819	9.816	0.003	97	367732	26.3	
101 4-Isopropyltoluene	119	9.842	9.840	0.002	91	623804	28.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	9.901	9.899	0.002	91	373674	25.7	
103 1,2,3-Trimethylbenzene	105	9.949	9.945	0.004	88	564381	26.9	
105 n-Butylbenzene	91	10.244	10.242	0.002	96	484743	27.0	
106 1,2-Dichlorobenzene	146	10.268	10.266	0.002	97	339696	25.9	
107 1,2-Dibromo-3-Chloropropane	157	11.025	11.023	0.002	59	23380	24.0	
109 1,2,4-Trichlorobenzene	180	11.853	11.862	-0.009	94	145106	21.7	
110 Hexachlorobutadiene	225	12.031	12.028	0.003	92	69813	30.4	
111 Naphthalene	128	12.102	12.111	-0.009	96	314296	19.8	
112 1,2,3-Trichlorobenzene	180	12.362	12.359	0.003	96	117563	24.8	
S 136 Trihalomethanes, Total	1				0		106.9	
S 11 1,2-Dichloroethene, Total	96				0		55.9	
S 114 Xylenes, Total	106				0		81.7	

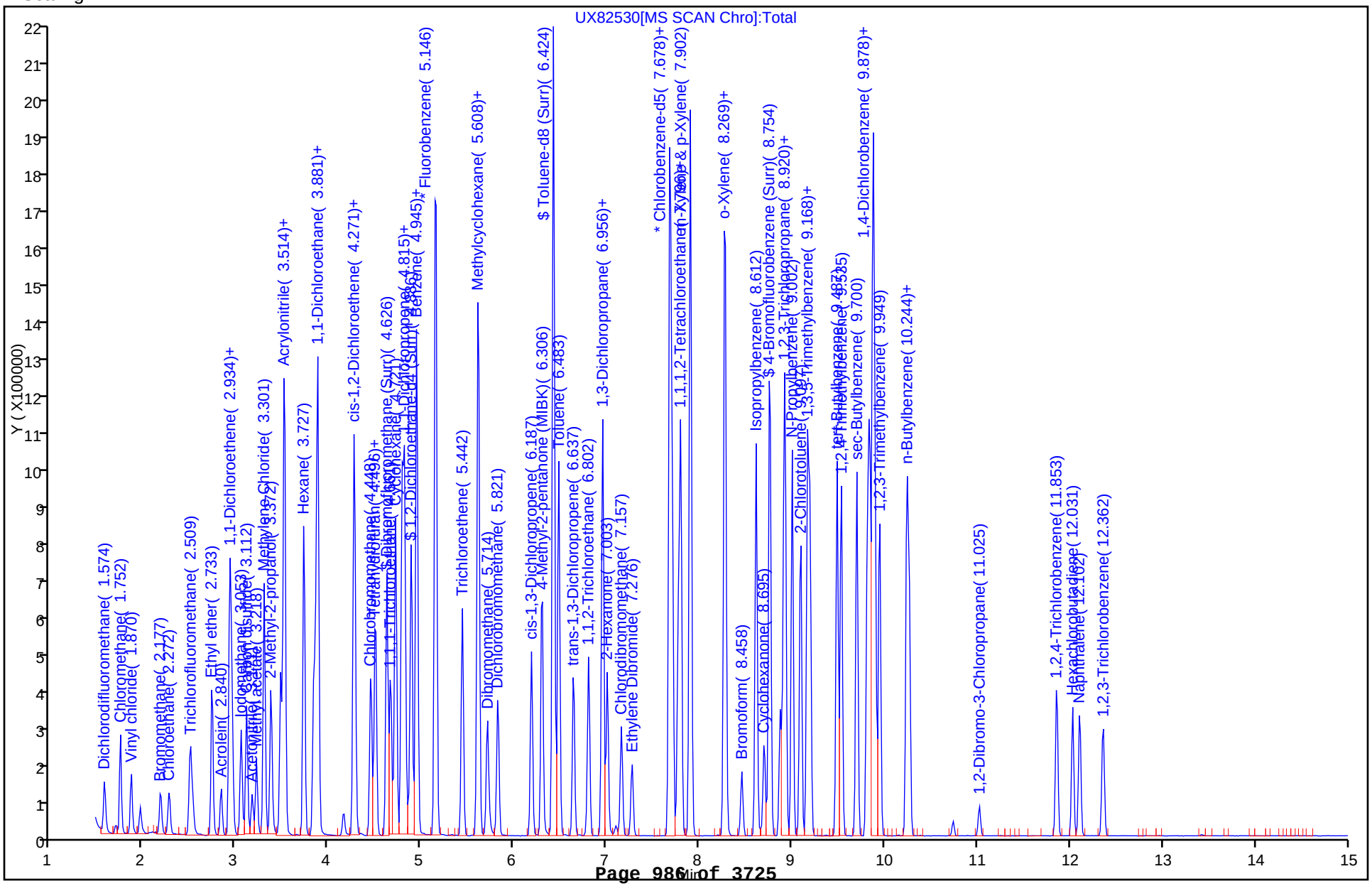
Report Date: 20-Dec-2012 03:33:09 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82530.D

Injection Date:	17-Dec-2012 00:47:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	6
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68395/4

Matrix: Water | Lab File ID: UXJ8969.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2012 12:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68395 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00112		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00138	^	0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00105		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00113		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00101		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00110		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00217		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00108		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.0109		0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.0112		0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0111		0.010	0.00050	0.00032
67-64-1	Acetone	0.00996	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.00112		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.000790	J	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00110		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00102		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00103		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00105		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00102		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00120		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.000960	J	0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.000919	J	0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00102		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00106		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00165	^	0.0010	0.00050	0.00033
100-42-5	Styrene	0.00103		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.000880	J	0.0010	0.00050	0.00029
108-88-3	Toluene	0.00109		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00108		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.000955	J	0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00102		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00102		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.000942	J	0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00104		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00113		0.0010	0.00050	0.00029
1330-20-7	Xylenes, Total	0.00309		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-68395/4

Matrix: Water Lab File ID: UXJ8969.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/12/2012 12:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68395 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		50-150
2037-26-5	Toluene-d8 (Surr)	98		50-150
460-00-4	4-Bromofluorobenzene (Surr)	105		50-150
1868-53-7	Dibromofluoromethane (Surr)	91		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8969.D
Lims ID: MRL Client ID:
Inject. Date: 12-Dec-2012 12:52:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015761-004
Misc. Info.: J21212A,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 68395 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\8260_11.m
Last Update: 13-Dec-2012 08:28:24 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: evansle Date: 12-Dec-2012 13:14:02

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	98	1186761	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	83	701213	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	94	221540	10.0	
$ 134 BFB	95	5.115	4.196	0.919	0	128969	0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	93	246154	7.58	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	88	308090	8.18	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	84	983116	8.18	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	88	210992	8.79	
135 Chlorodifluoromethane TIC	1		0.000					
136 1,4-Dichlorobutane	1		0.000					
8 Dichlorodifluoromethane	85	1.553	1.542	0.011	70	25540	1.08	
9 Chloromethane	50	1.695	1.696	-0.001	76	25284	1.20	
10 Vinyl chloride	62	1.790	1.790	0.0	72	22907	1.04	
11 Bromomethane	94	2.062	2.074	-0.012	65	11354	1.10	
12 Chloroethane	64	2.157	2.157	0.0	58	13832	1.13	
13 Dichlorofluoromethane	67		2.299					
14 Trichlorofluoromethane	101	2.358	2.358	0.0	75	25001	0.99	
15 Ethyl ether	59		2.559					
16 Acrolein	56	2.654	2.654	0.0	87	34597	10.6	
17 Acetone	43	2.772	2.772	0.0	99	81935	9.96	
19 1,1-Dichloroethene	96	2.772	2.784	-0.012	46	21216	1.01	
18 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.784	2.784	0.0	6	13993	0.9477	
20 Methylal	45		2.856					9
21 Iodomethane	142	2.914	2.914	0.0	75	22097	0.8894	
23 Carbon disulfide	76	2.962	2.973	-0.011	93	53082	1.02	
24 Acetonitrile	41	2.997	2.997	0.0	94	24501	11.7	
22 3-Chloro-1-propene	76		3.044					9
25 Methyl acetate	43	3.044	3.044	0.0	85	52351	2.78	
26 Methylene Chloride	84	3.163	3.163	0.0	78	38638	1.65	
27 2-Methyl-2-propanol	59	3.210	3.198	0.012	95	40879	25.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
28 Acrylonitrile	53	3.317	3.317	-0.001	86	19952	2.26	
30 Methyl tert-butyl ether	73	3.364	3.364	0.0	88	96005	1.06	
29 trans-1,2-Dichloroethene	96	3.364	3.364	0.0	57	35550	1.10	
31 Hexane	86	3.589	3.589	0.0	91	8948	1.19	
32 1,1-Dichloroethane	63	3.695	3.695	0.0	86	59625	1.13	
33 Vinyl acetate	86	3.731	3.731	0.0	96	5473	0.8411	
34 Isopropyl ether	87		3.754					
35 2-Chloro-1,3-butadiene	53		3.778					
37 Tert-butyl ethyl ether	59		4.050					
40 cis-1,2-Dichloroethene	96	4.168	4.169	-0.001	70	40570	1.07	
38 2-Butanone (MEK)	43	4.168	4.169	-0.001	98	108147	10.9	
39 2,2-Dichloropropane	77	4.168	4.169	-0.001	76	22747	1.05	
36 Propionitrile	54		4.204					
41 Ethyl acetate	43	4.168	4.216	-0.048	65	108147	4.82	
42 Methacrylonitrile	41		4.334					9
43 Chlorobromomethane	128	4.370	4.358	0.012	68	18033	0.9548	
44 Tetrahydrofuran	42	4.405	4.405	0.0	40	8538	1.30	
45 Chloroform	83	4.417	4.417	0.0	67	64563	1.08	
46 1,1,1-Trichloroethane	97	4.594	4.595	-0.001	79	36965	1.12	
47 Cyclohexane	56	4.654	4.654	0.0	86	39653	1.15	
48 1,1-Dichloropropene	75	4.725	4.725	0.0	90	50172	1.09	
49 Carbon tetrachloride	117	4.736	4.737	-0.001	84	32734	1.03	
50 Isobutyl alcohol	41		4.772					9
52 Benzene	78	4.902	4.902	0.0	94	153500	1.12	
51 1,2-Dichloroethane	62	4.902	4.902	0.0	47	49699	1.10	
53 Tert-amyl methyl ether	73		4.985					9
54 n-Heptane	100		5.115					
55 n-Butanol	56		5.328					
56 Trichloroethene	130	5.435	5.435	0.0	88	37098	0.9421	
57 Ethyl acrylate	55		5.494					
59 1,2-Dichloropropane	63	5.612	5.612	0.0	72	32484	1.08	
58 Methylcyclohexane	83	5.612	5.612	0.0	82	48380	1.18	
60 Methyl methacrylate	41		5.695					9
61 Dibromomethane	93	5.719	5.719	0.0	83	17942	1.00	
62 1,4-Dioxane	88	5.730	5.719	0.011	72	13685	66.4	
63 Dichlorobromomethane	83	5.837	5.837	0.0	90	42732	1.02	
64 2-Nitropropane	41		6.026					9
65 2-Chloroethyl vinyl ether	63	6.085	6.086	-0.001	81	38995	2.24	
66 cis-1,3-Dichloropropene	75	6.227	6.228	-0.001	72	48466	0.9605	
67 4-Methyl-2-pentanone (MIBK)	43	6.358	6.358	0.0	95	221058	11.1	
68 Toluene	91	6.535	6.535	0.0	84	157316	1.09	
69 trans-1,3-Dichloropropene	75	6.713	6.713	0.0	87	42218	1.02	
70 Ethyl methacrylate	69	6.784	6.784	0.0	79	37764	1.13	
71 1,1,2-Trichloroethane	97	6.878	6.878	0.0	86	25703	1.05	
72 Tetrachloroethene	164	7.032	7.032	0.0	75	25790	0.8800	
73 1,3-Dichloropropane	76	7.032	7.032	0.0	84	45866	1.09	
74 2-Hexanone	43	7.091	7.091	0.0	96	126522	11.2	
132 n-Butyl acetate	43		7.209					19
76 Chlorodibromomethane	129	7.245	7.245	0.0	68	24784	0.9192	
75 Tetrahydrothiophene	60		7.255					
77 Ethylene Dibromide	107	7.352	7.352	0.0	80	23271	1.02	
78 1-Chlorohexane	91		7.778					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
79 Chlorobenzene	112	7.813	7.813	0.0	91	78286	1.05	
80 1,1,1,2-Tetrachloroethane	131	7.884	7.884	0.0	70	27186	1.00	
81 Ethylbenzene	106	7.908	7.908	0.0	97	41751	1.02	
82 m-Xylene & p-Xylene	106	8.026	8.014	0.012	97	97303	2.05	
83 o-Xylene	106	8.393	8.393	0.0	90	43538	1.04	
84 Styrene	104	8.405	8.405	0.0	88	68572	1.03	
85 Bromoform	173	8.582	8.582	0.0	75	9348	0.7901	
86 Isopropylbenzene	105	8.748	8.748	0.0	91	96761	1.03	
87 Cyclohexanone	55		8.831					
88 1,1,2,2-Tetrachloroethane	83	9.008	9.020	-0.012	48	18645	1.38	
89 Bromobenzene	156	9.044	9.044	0.0	89	22748	1.12	
90 1,2,3-Trichloropropane	110	9.067	9.067	0.0	56	5556	1.15	
91 trans-1,4-Dichloro-2-butene	53	9.067	9.067	0.0	14	2310	0.9731	
92 N-Propylbenzene	120	9.150	9.150	0.0	91	22464	1.26	
93 2-Chlorotoluene	126	9.233	9.233	0.0	92	19487	1.21	
94 1,3,5-Trimethylbenzene	105	9.316	9.316	0.0	82	60553	1.19	
95 4-Chlorotoluene	126	9.339	9.340	-0.001	93	19472	1.17	
96 tert-Butylbenzene	119	9.635	9.635	0.0	78	55455	1.27	
97 1,2,4-Trimethylbenzene	105	9.683	9.683	0.0	67	63214	1.19	
98 sec-Butylbenzene	105	9.860	9.860	0.0	73	67700	1.17	
99 1,3-Dichlorobenzene	146	9.967	9.967	0.0	85	37765	1.11	
100 4-Isopropyltoluene	119	10.002	9.990	0.012	86	59214	1.16	
101 1,4-Dichlorobenzene	146	10.049	10.050	-0.001	74	40455	1.13	
102 1,2,3-Trimethylbenzene	105		10.108					9
133 Benzyl chloride	126		10.180					
103 n-Butylbenzene	91	10.404	10.405	-0.001	91	49440	1.15	
104 1,2-Dichlorobenzene	146	10.416	10.416	0.0	88	39430	1.17	
105 1,2-Dibromo-3-Chloropropane	157	11.185	11.186	-0.001	1	3546	1.29	
106 1,3,5-Trichlorobenzene	180	11.410	11.410	0.0	75	25757	1.14	
107 1,2,4-Trichlorobenzene	180	12.026	12.026	0.0	65	22981	0.7302	
108 Hexachlorobutadiene	225	12.203	12.203	0.0	53	11688	0.5839	
109 Naphthalene	128	12.274	12.274	0.0	87	76740	1.49	
110 1,2,3-Trichlorobenzene	180	12.523	12.523	-0.001	69	22301	1.62	
111 2-Methylnaphthalene	142		13.552					9
S 138 Trihalomethanes, Total	1				0		3.81	
S 112 1,2-Dichloroethene, Total	96				0		2.18	
S 113 1,3-Dichloropropene, Total	75				0		1.98	
S 114 Xylenes, Total	106				0		3.10	
T 139 Butyl Methacrylate TIC	1		8.925					1
T 137 Hexachloroethane TIC	1		10.774					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

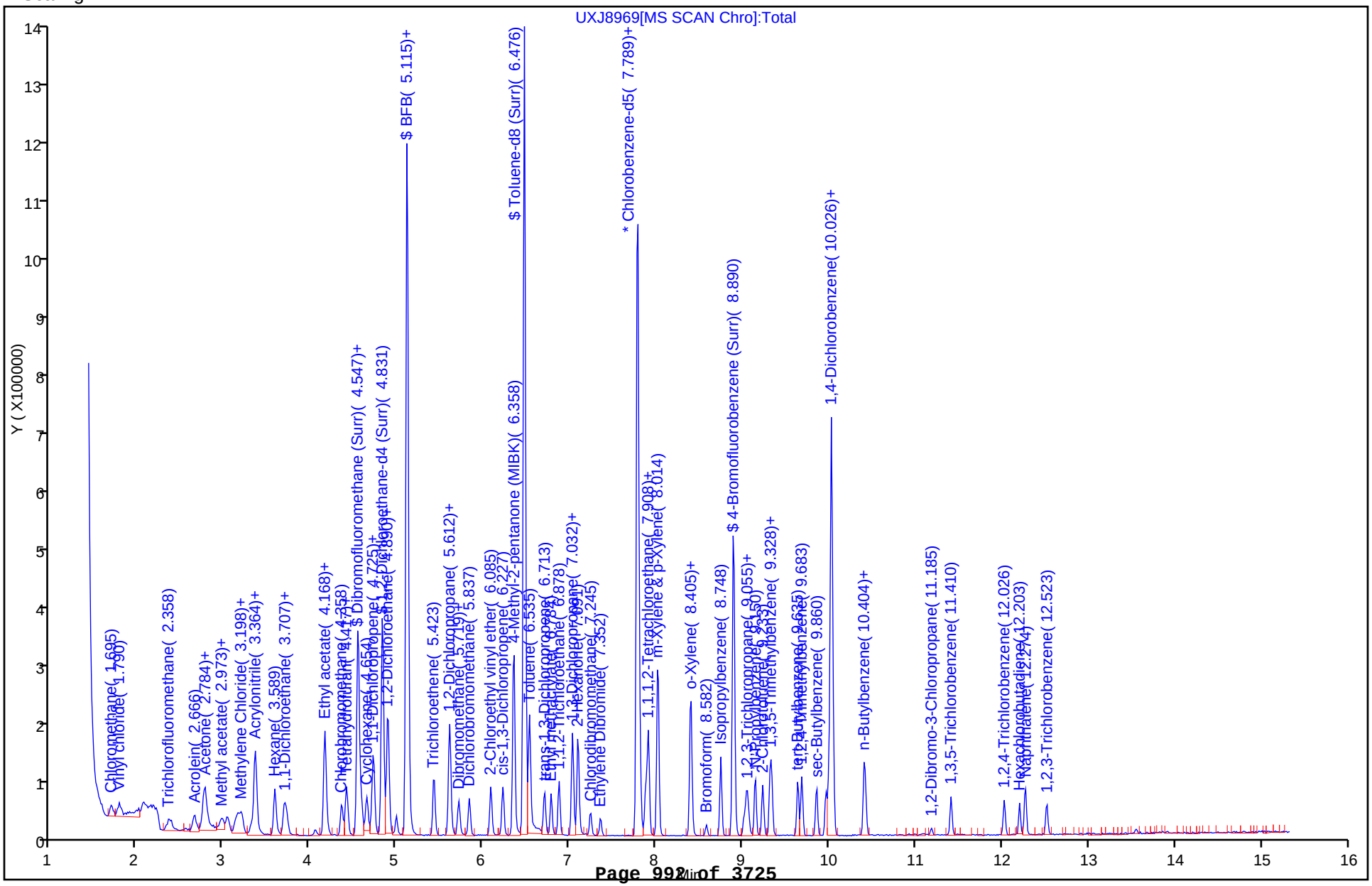
Report Date: 13-Dec-2012 08:28:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8969.D

Injection Date:	12-Dec-2012 12:52:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68395	Lims Sample ID:	4
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68395/22

Matrix: Water | Lab File ID: UXJ8988.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/12/2012 20:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68395 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00105		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00125		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00119		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00118		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.000999	J	0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00113		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00217		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00121		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00959	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.0103		0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0104		0.010	0.00050	0.00032
67-64-1	Acetone	0.00772	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.00117		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.000805	J	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00110		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00102		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.000965	J	0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00104		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00105		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00125		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00105		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.000899	J	0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00108		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00113		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00145	^	0.0010	0.00050	0.00033
100-42-5	Styrene	0.00109		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.000929	J	0.0010	0.00050	0.00029
108-88-3	Toluene	0.00116		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00113		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.000992	J	0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00107		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00101		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00102		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00115		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00109		0.0010	0.00050	0.00029
1330-20-7	Xylenes, Total	0.00327		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-68395/22

Matrix: Water Lab File ID: UXJ8988.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/12/2012 20:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68395 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		50-150
2037-26-5	Toluene-d8 (Surr)	98		50-150
460-00-4	4-Bromofluorobenzene (Surr)	104		50-150
1868-53-7	Dibromofluoromethane (Surr)	91		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8988.D
Lims ID: MRL Client ID:
Inject. Date: 12-Dec-2012 20:04:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015761-022
Misc. Info.: J21212A,8260LLUX11,,43582
Operator: 43582 Instrument ID: A3UX11
Purge Vol: 5.000 mL ALS Bottle#: 23
Lims Batch ID: 68395 Lims Sample ID: 22
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\8260_11.m
Last Update: 13-Dec-2012 08:39:10 Calib Date: 11-Dec-2012 15:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX11\20121211-15710.b\UXJ8946.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: evansle Date: 13-Dec-2012 08:16:52

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.115	5.115	0.0	99	1190201	10.0	
* 2 Chlorobenzene-d5	117	7.789	7.789	0.0	83	700937	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.026	10.026	0.0	93	220640	10.0	
$ 134 BFB	95	5.115	4.196	0.919	0	131626	0	
$ 4 Dibromofluoromethane (Surr)	113	4.547	4.547	0.0	93	248415	7.63	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.831	4.831	0.0	88	298678	7.91	
$ 6 Toluene-d8 (Surr)	98	6.476	6.476	0.0	84	980876	8.17	
$ 7 4-Bromofluorobenzene (Surr)	95	8.890	8.890	0.0	88	208550	8.69	
135 Chlorodifluoromethane TIC	1		0.000					
136 1,4-Dichlorobutane	1		0.000					
8 Dichlorodifluoromethane	85	1.542	1.542	0.0	69	21803	0.9198	
9 Chloromethane	50	1.695	1.696	-0.001	87	26348	1.25	
10 Vinyl chloride	62	1.790	1.790	0.0	52	25391	1.15	
11 Bromomethane	94	2.074	2.074	0.0	65	11380	1.10	
12 Chloroethane	64	2.157	2.157	0.0	54	13286	1.09	
13 Dichlorofluoromethane	67		2.299					
14 Trichlorofluoromethane	101	2.358	2.358	0.0	54	22525	0.8920	
15 Ethyl ether	59		2.559					
16 Acrolein	56	2.654	2.654	0.0	88	35140	10.7	
17 Acetone	43	2.772	2.772	0.0	97	66829	7.72	
19 1,1-Dichloroethene	96	2.784	2.784	0.0	55	21088	1.00	
18 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.772	2.784	-0.012	1	9845	0.6649	
20 Methylal	45		2.856					9
21 Iodomethane	142	2.902	2.914	-0.012	75	20343	0.8164	
23 Carbon disulfide	76	2.962	2.973	-0.011	93	53125	1.02	
24 Acetonitrile	41	2.997	2.997	0.0	93	22250	10.6	
22 3-Chloro-1-propene	76		3.044					9
25 Methyl acetate	43	3.044	3.044	0.0	87	49981	2.65	
26 Methylene Chloride	84	3.163	3.163	0.0	80	34002	1.45	
27 2-Methyl-2-propanol	59	3.198	3.198	0.0	90	30694	19.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
28 Acrylonitrile	53	3.317	3.317	-0.001	82	17387	1.96	
30 Methyl tert-butyl ether	73	3.364	3.364	0.0	90	103083	1.13	
29 trans-1,2-Dichloroethene	96	3.364	3.364	0.0	54	33876	1.05	
31 Hexane	86	3.589	3.589	0.0	86	5583	0.7426	
32 1,1-Dichloroethane	63	3.695	3.695	0.0	83	62113	1.18	
33 Vinyl acetate	86	3.731	3.731	0.0	95	5271	0.8077	
34 Isopropyl ether	87		3.754					
35 2-Chloro-1,3-butadiene	53		3.778					
37 Tert-butyl ethyl ether	59		4.050					
40 cis-1,2-Dichloroethene	96	4.168	4.169	-0.001	62	42508	1.12	
38 2-Butanone (MEK)	43	4.168	4.169	-0.001	95	95675	9.59	
39 2,2-Dichloropropane	77	4.180	4.169	0.011	60	22716	1.05	
36 Propionitrile	54		4.204					
41 Ethyl acetate	43	4.168	4.216	-0.048	55	95675	4.25	
42 Methacrylonitrile	41		4.334					9
43 Chlorobromomethane	128	4.370	4.358	0.012	65	18794	0.99	
44 Tetrahydrofuran	42	4.417	4.405	0.012	54	8847	1.34	
45 Chloroform	83	4.417	4.417	0.0	78	67364	1.13	
46 1,1,1-Trichloroethane	97	4.594	4.595	-0.001	79	35002	1.05	
47 Cyclohexane	56	4.654	4.654	0.0	79	31594	0.9113	
48 1,1-Dichloropropene	75	4.725	4.725	0.0	83	49296	1.06	
49 Carbon tetrachloride	117	4.736	4.737	-0.001	69	30915	0.9654	
50 Isobutyl alcohol	41		4.772					9
52 Benzene	78	4.902	4.902	0.0	94	161160	1.17	
51 1,2-Dichloroethane	62	4.902	4.902	0.0	49	51476	1.13	
53 Tert-amyl methyl ether	73		4.985					9
54 n-Heptane	100		5.115					
55 n-Butanol	56		5.328					
56 Trichloroethene	130	5.435	5.435	0.0	89	40226	1.02	
57 Ethyl acrylate	55		5.494					
59 1,2-Dichloropropane	63	5.612	5.612	0.0	79	36490	1.21	
58 Methylcyclohexane	83	5.612	5.612	0.0	76	36209	0.8787	
60 Methyl methacrylate	41		5.695					9
61 Dibromomethane	93	5.719	5.719	0.0	79	18472	1.03	
62 1,4-Dioxane	88	5.730	5.719	0.011	8	4142	20.1	
63 Dichlorobromomethane	83	5.837	5.837	0.0	84	43904	1.05	
64 2-Nitropropane	41		6.026					9
65 2-Chloroethyl vinyl ether	63	6.085	6.086	-0.001	87	32078	1.84	
66 cis-1,3-Dichloropropene	75	6.227	6.228	-0.001	73	52994	1.05	
67 4-Methyl-2-pentanone (MIBK)	43	6.358	6.358	0.0	96	207889	10.4	
68 Toluene	91	6.535	6.535	0.0	83	166085	1.16	
69 trans-1,3-Dichloropropene	75	6.713	6.713	0.0	83	41781	1.01	
70 Ethyl methacrylate	69	6.784	6.784	0.0	80	36875	1.11	
71 1,1,2-Trichloroethane	97	6.878	6.878	0.0	77	29115	1.19	
72 Tetrachloroethene	164	7.032	7.032	0.0	69	27217	0.9291	
73 1,3-Dichloropropane	76	7.032	7.032	0.0	83	50365	1.20	
74 2-Hexanone	43	7.091	7.091	0.0	90	116405	10.3	
132 n-Butyl acetate	43		7.209					19
76 Chlorodibromomethane	129	7.245	7.245	0.0	65	24220	0.8986	
75 Tetrahydrothiophene	60		7.255					
77 Ethylene Dibromide	107	7.352	7.352	0.0	75	24408	1.07	
78 1-Chlorohexane	91		7.778					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
79 Chlorobenzene	112	7.813	7.813	0.0	89	78013	1.04	
80 1,1,1,2-Tetrachloroethane	131	7.884	7.884	0.0	76	26623	0.9830	
81 Ethylbenzene	106	7.908	7.908	0.0	97	44022	1.08	
82 m-Xylene & p-Xylene	106	8.014	8.014	0.0	97	99698	2.11	
83 o-Xylene	106	8.393	8.393	0.0	88	48248	1.16	
84 Styrene	104	8.405	8.405	0.0	88	72925	1.09	
85 Bromoform	173	8.582	8.582	0.0	68	9525	0.8053	
86 Isopropylbenzene	105	8.748	8.748	0.0	91	95578	1.02	
87 Cyclohexanone	55		8.831					
88 1,1,2,2-Tetrachloroethane	83	9.020	9.020	0.0	44	16816	1.25	
89 Bromobenzene	156	9.044	9.044	0.0	85	24619	1.22	
90 1,2,3-Trichloropropane	110	9.067	9.067	0.0	56	5622	1.17	
91 trans-1,4-Dichloro-2-butene	53	9.067	9.067	0.0	22	2430	1.03	
92 N-Propylbenzene	120	9.150	9.150	0.0	88	20169	1.13	
93 2-Chlorotoluene	126	9.233	9.233	0.0	88	19137	1.20	
94 1,3,5-Trimethylbenzene	105	9.316	9.316	0.0	88	59375	1.17	
95 4-Chlorotoluene	126	9.339	9.340	-0.001	86	19041	1.15	
96 tert-Butylbenzene	119	9.635	9.635	0.0	72	57170	1.31	
97 1,2,4-Trimethylbenzene	105	9.683	9.683	0.0	65	59644	1.13	
98 sec-Butylbenzene	105	9.860	9.860	0.0	65	60711	1.06	
99 1,3-Dichlorobenzene	146	9.967	9.967	0.0	83	35509	1.05	
100 4-Isopropyltoluene	119	10.002	9.990	0.012	83	52673	1.04	
101 1,4-Dichlorobenzene	146	10.049	10.050	-0.001	76	38258	1.07	
102 1,2,3-Trimethylbenzene	105		10.108					
133 Benzyl chloride	126		10.180					
103 n-Butylbenzene	91	10.404	10.405	-0.001	91	44125	1.03	
104 1,2-Dichlorobenzene	146	10.416	10.416	0.0	85	35993	1.07	
105 1,2-Dibromo-3-Chloropropane	157	11.185	11.186	-0.001	1	1976	0.7234	
106 1,3,5-Trichlorobenzene	180	11.410	11.410	0.0	63	17957	0.7976	
107 1,2,4-Trichlorobenzene	180	12.026	12.026	0.0	26	12639	0.1269	
108 Hexachlorobutadiene	225		12.203					
109 Naphthalene	128	12.274	12.274	0.0	56	23822	0.1532	
110 1,2,3-Trichlorobenzene	180	12.523	12.523	-0.001	32	6474	0.4722	
111 2-Methylnaphthalene	142		13.552					
S 138 Trihalomethanes, Total	1				0		3.88	
S 112 1,2-Dichloroethene, Total	96				0		2.17	
S 113 1,3-Dichloropropene, Total	75				0		2.06	
S 114 Xylenes, Total	106				0		3.26	
T 139 Butyl Methacrylate TIC	1		8.925					1
T 137 Hexachloroethane TIC	1		10.774					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

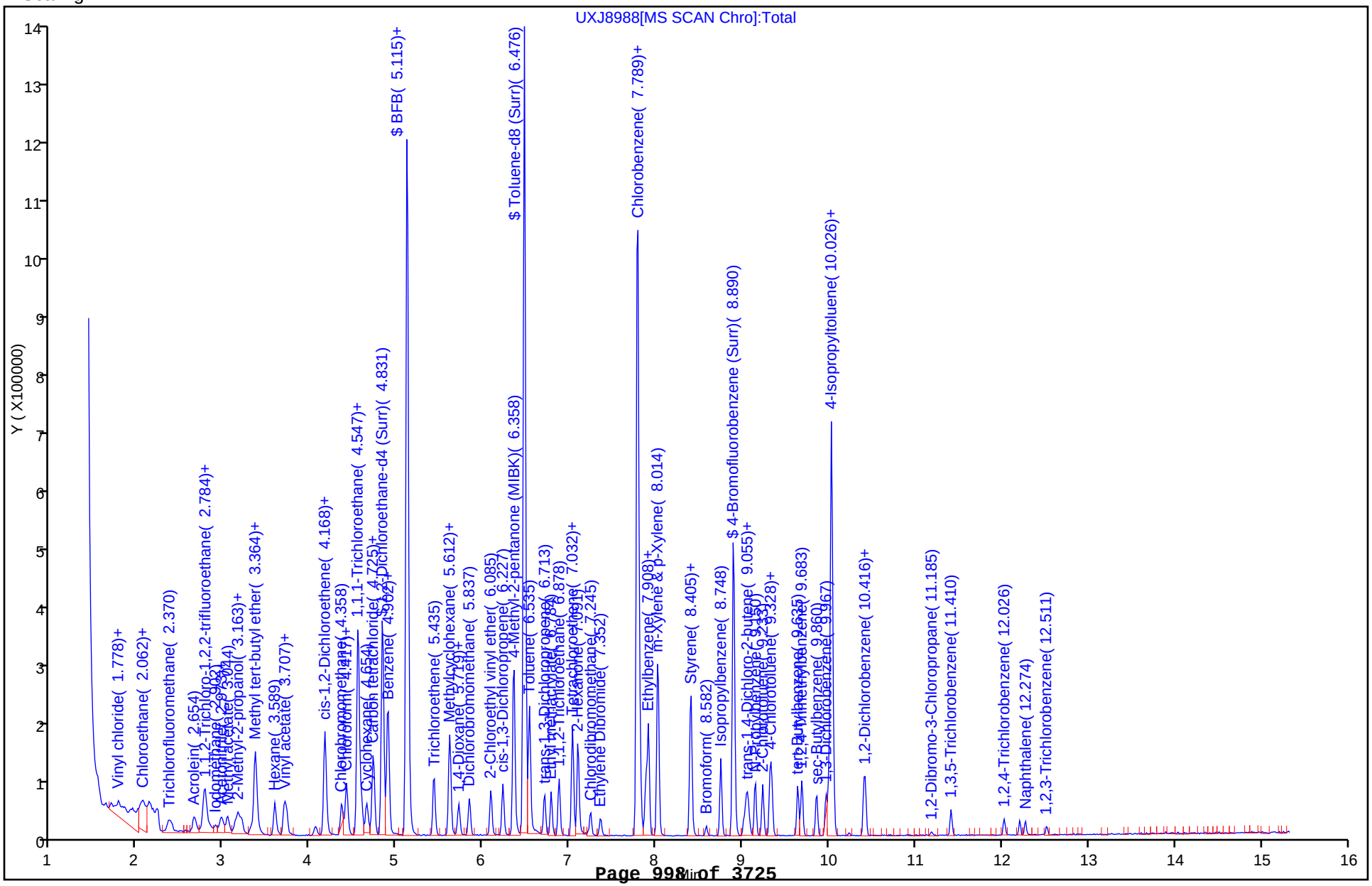
Report Date: 13-Dec-2012 09:31:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX11\20121212-15761.b\UXJ8988.D

Injection Date:	12-Dec-2012 20:04:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX11
Lims Batch ID:	68395	Lims Sample ID:	22
Operator ID:	43582	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68879/5

Matrix: Solid | Lab File ID: UX82496.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/15/2012 18:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68879 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00498		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00538		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00522		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00516		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00516		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00535		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.0103		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00525		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.0113		0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00956	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00965	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.00955	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.00532		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00449		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00530		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00472		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00501		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00517		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00491		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00517		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00440		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.00416		0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00500		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00507		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00547		0.0010	0.00050	0.00033
100-42-5	Styrene	0.00490		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00485		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00505		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00509		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00522		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00501		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00432		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00534		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00556		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00523		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0156		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-68879/5

Matrix: Solid Lab File ID: UX82496.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/15/2012 18:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68879 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		50-150
2037-26-5	Toluene-d8 (Surr)	97		50-150
460-00-4	4-Bromofluorobenzene (Surr)	102		50-150
1868-53-7	Dibromofluoromethane (Surr)	99		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82496.D
Lims ID: MRL Client ID:
Inject. Date: 15-Dec-2012 18:19:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015886-005
Misc. Info.: M21215A,8260SUX8,,402279 =M21215A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 68879 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\8260_8.m
Last Update: 19-Dec-2012 02:39:20 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK028

First Level Reviewer: latat Date: 15-Dec-2012 18:46:57

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.156	5.147	0.009	100	1508888	50.0	
* 2 Chlorobenzene-d5	117	7.687	7.678	0.009	97	1125990	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.878	-0.003	99	577362	50.0	
$ 4 BFB	95	3.512	3.743	-0.231	0	1115	0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.624	-0.001	58	371222	49.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.884	4.884	0.0	93	476783	51.1	
$ 7 Toluene-d8 (Surr)	98	6.421	6.421	0.0	95	1368392	48.3	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.763	0.0	96	491825	50.8	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.572	1.572	0.0	88	28561	5.41	
13 Chloromethane	50	1.749	1.749	0.0	88	48439	5.17	
14 Vinyl chloride	62	1.867	1.867	0.0	84	32137	5.56	
15 Bromomethane	94	2.187	2.187	0.0	79	17276	5.30	
16 Chloroethane	64	2.281	2.281	0.0	72	18468	5.23	
17 Dichlorofluoromethane	67		2.450					
18 Trichlorofluoromethane	101	2.506	2.506	0.0	85	38026	5.47	
19 Ethyl ether	59		2.734					
20 Acrolein	56	2.837	2.837	0.0	90	92245	53.9	
25 Methylal	45		2.856					
21 1,1-Dichloroethene	96	2.932	2.932	0.0	90	24864	5.16	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.944	2.944	0.0	85	22027	5.09	
22 Acetone	43	2.956	2.956	0.0	91	55746	9.55	
24 Iodomethane	142	3.050	3.050	0.0	97	50957	4.94	
26 Carbon disulfide	76	3.109	3.109	0.0	94	67304	4.72	
27 Acetonitrile	41	3.169	3.169	0.0	99	84176	52.6	
29 3-Chloro-1-propene	76		3.207					
28 Methyl acetate	43	3.216	3.216	0.0	97	104565	11.0	
30 Methylene Chloride	84	3.299	3.299	0.0	85	46667	5.47	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 2-Methyl-2-propanol	59	3.370	3.382	-0.012	88	73848	99.0	
32 Acrylonitrile	53	3.476	3.476	0.0	99	42569	10.8	
34 Methyl tert-butyl ether	73	3.523	3.523	0.0	85	90373	5.07	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.0	65	30936	5.03	
35 Hexane	86	3.736	3.736	0.0	95	7362	4.35	
36 1,1-Dichloroethane	63	3.831	3.831	0.0	92	60334	5.16	
37 Vinyl acetate	86	3.855	3.855	0.0	96	6065	4.44	
38 Isopropyl ether	87		3.881					9
39 2-Chloro-1,3-butadiene	53		3.905					
40 Tert-butyl ethyl ether	59		4.153					9
42 cis-1,2-Dichloroethene	96	4.269	4.269	0.0	86	36914	5.25	
41 2-Butanone (MEK)	43	4.269	4.269	0.0	91	67059	11.3	
43 2,2-Dichloropropane	77	4.280	4.280	0.0	60	22116	4.73	
45 Ethyl acetate	43		4.307					9
44 Propionitrile	54		4.307					
46 Methacrylonitrile	41		4.425					9
47 Chlorobromomethane	128	4.458	4.458	0.0	84	20913	5.22	
48 Tetrahydrofuran	42	4.493	4.493	0.0	87	18547	5.16	
49 Chloroform	83	4.505	4.505	0.0	93	56219	5.09	
50 1,1,1-Trichloroethane	97	4.671	4.671	0.0	86	40728	4.98	
51 Cyclohexane	56	4.718	4.718	0.0	96	64931	5.07	
52 1,1-Dichloropropene	75	4.789	4.789	0.0	77	39793	5.22	
53 Carbon tetrachloride	117	4.801	4.801	0.0	83	37561	5.01	
54 Isobutyl alcohol	41		4.816					9
56 1,2-Dichloroethane	62	4.943	4.943	0.0	54	57678	5.35	
55 Benzene	78	4.955	4.943	0.012	94	125544	5.32	
57 Tert-amyl methyl ether	73		5.017					9
58 n-Heptane	100		5.135					
59 n-Butanol	56		5.324					9
60 Trichloroethene	130	5.440	5.440	0.0	87	38286	5.34	
61 Ethyl acrylate	55		5.487					
63 Methylcyclohexane	83	5.605	5.605	0.0	84	51869	5.12	
62 1,2-Dichloropropane	63	5.617	5.617	0.0	83	34202	5.25	
64 Methyl methacrylate	41		5.679					9
65 Dibromomethane	93	5.712	5.712	0.0	81	20165	5.28	
66 1,4-Dioxane	88	5.712	5.712	0.0	71	17491	250.6	
67 Dichlorobromomethane	83	5.830	5.830	0.0	78	35965	4.91	
68 2-Nitropropane	41		5.999					
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.185	6.185	0.0	61	35230	4.40	
71 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.0	96	102021	9.65	
72 Toluene	91	6.481	6.481	0.0	93	140593	5.05	
73 trans-1,3-Dichloropropene	75	6.634	6.646	-0.012	77	29413	4.32	
74 Ethyl methacrylate	69	6.705	6.705	0.0	82	33838	4.46	
75 1,1,2-Trichloroethane	97	6.800	6.800	0.0	88	30435	5.22	
76 1,3-Dichloropropane	76	6.954	6.954	0.0	88	48449	5.15	
77 Tetrachloroethene	164	6.966	6.966	0.0	91	28737	4.85	
78 2-Hexanone	43	7.001	7.001	0.0	94	72024	9.56	
132 n-Butyl acetate	43	7.107	7.110	-0.003	91	25749	0	
79 Chlorodibromomethane	129	7.155	7.155	0.0	75	26686	4.16	
80 Tetrahydrothiophene	60		7.255					
123 Ethylene Dibromide	107	7.273	7.273	0.0	84	28690	5.01	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
81 1-Chlorohexane	91		7.663					9
82 Chlorobenzene	112	7.711	7.711	0.0	91	98609	5.17	
83 1,1,1,2-Tetrachloroethane	131	7.770	7.770	0.0	77	28949	4.72	
84 Ethylbenzene	106	7.794	7.794	0.0	97	48042	5.00	
10 m-Xylene & p-Xylene	106	7.900	7.900	0.0	98	119449	10.4	
85 o-Xylene	106	8.267	8.267	0.0	89	57075	5.20	
86 Styrene	104	8.279	8.279	0.0	86	86705	4.90	
87 Bromoform	173	8.456	8.456	0.0	77	15444	4.49	
88 Isopropylbenzene	105	8.610	8.610	0.0	93	138710	4.98	
89 Cyclohexanone	55	8.704	8.695	0.009	86	34276	16.7	
90 1,1,2,2-Tetrachloroethane	83	8.870	8.870	0.0	78	35957	5.38	
91 Bromobenzene	156	8.917	8.917	0.0	81	43171	5.17	
92 1,2,3-Trichloropropane	110	8.929	8.929	0.0	64	15557	6.02	
93 trans-1,4-Dichloro-2-butene	53	8.929	8.929	0.0	52	13394	4.68	
94 N-Propylbenzene	120	9.000	9.000	0.0	97	40262	5.10	
95 2-Chlorotoluene	126	9.095	9.095	0.0	93	35638	4.89	
96 1,3,5-Trimethylbenzene	105	9.166	9.166	0.0	83	109094	4.77	
104 4-Chlorotoluene	126	9.189	9.189	0.0	95	39500	5.18	
97 tert-Butylbenzene	119	9.485	9.485	0.0	88	113541	5.22	
98 1,2,4-Trimethylbenzene	105	9.532	9.532	0.0	70	113215	4.94	
99 sec-Butylbenzene	105	9.698	9.698	0.0	89	143315	5.01	
100 1,3-Dichlorobenzene	146	9.816	9.816	0.0	87	76794	4.98	
101 4-Isopropyltoluene	119	9.840	9.840	0.0	91	116649	4.86	
102 1,4-Dichlorobenzene	146	9.899	9.899	0.0	82	84284	5.25	
103 1,2,3-Trimethylbenzene	105		9.949					9
133 Benzyl chloride	126		10.016					
105 n-Butylbenzene	91	10.242	10.242	0.0	93	91100	4.60	
106 1,2-Dichlorobenzene	146	10.266	10.266	0.0	95	74657	5.16	
107 1,2-Dibromo-3-Chloropropane	157	11.023	11.023	0.0	8	4915	4.57	
108 1,3,5-Trichlorobenzene	180	11.247	11.247	0.0	93	48524	5.51	
109 1,2,4-Trichlorobenzene	180	11.863	11.863	0.0	84	40435	5.47	
110 Hexachlorobutadiene	225		12.028					
111 Naphthalene	128	12.111	12.099	0.012	90	80198	4.57	
112 1,2,3-Trichlorobenzene	180	12.359	12.359	0.0	85	36760	4.86	
113 2-Methylnaphthalene	142		13.427					9
S 136 Trihalomethanes, Total	1				0		18.6	
S 11 1,2-Dichloroethene, Total	96				0		10.3	
S 9 1,3-Dichloropropene, Total	75				0		8.71	
S 114 Xylenes, Total	106				0		15.6	
T 137 Hexachloroethane TIC	166		10.500					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

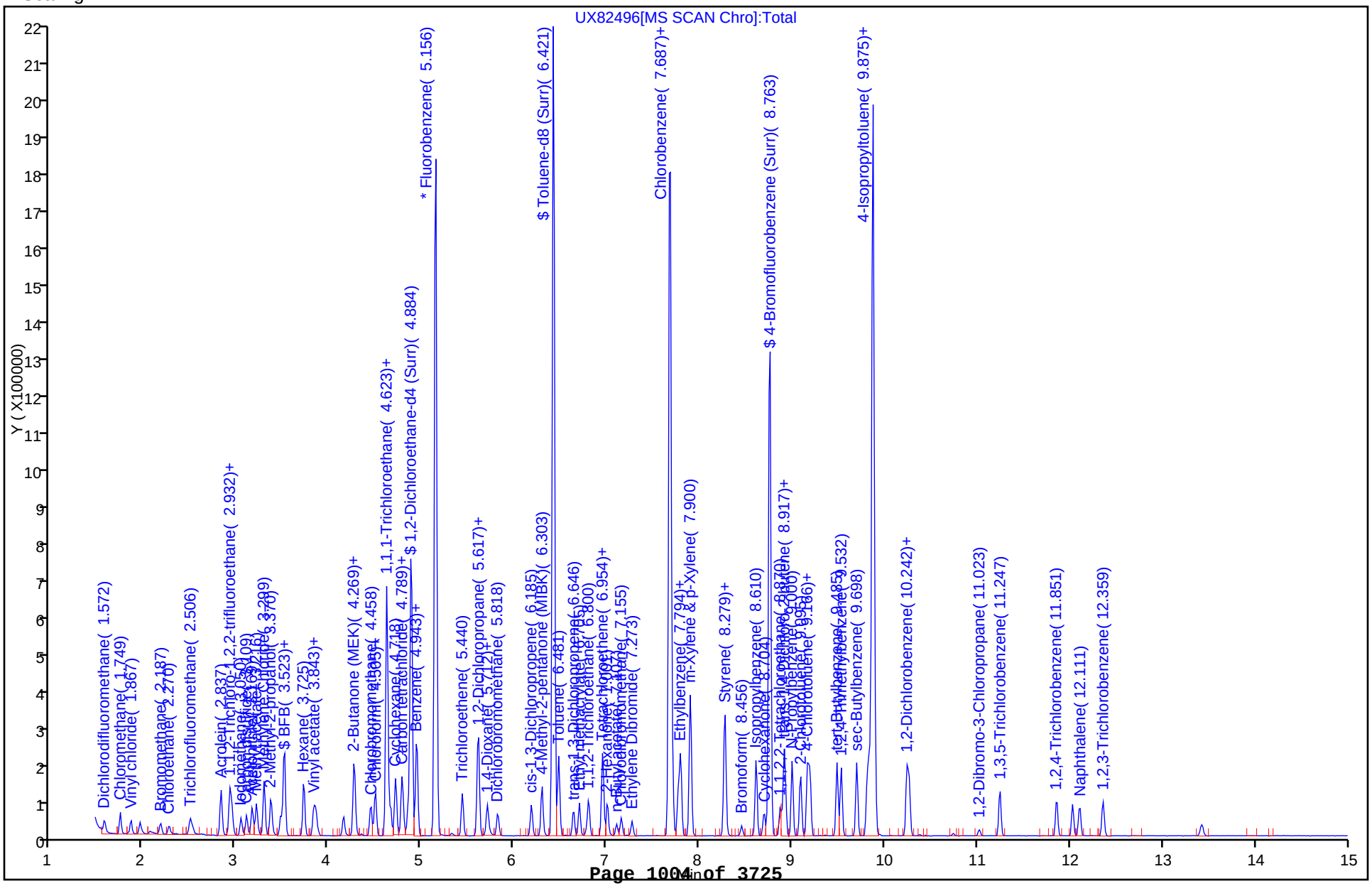
Report Date: 19-Dec-2012 02:39:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82496.D

Injection Date:	15-Dec-2012 18:19:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	5
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68879/33

Matrix: Solid | Lab File ID: UX82524.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/16/2012 04:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68879 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00484		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00518		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00509		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00505		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00512		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00523		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.0103		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00496		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00907	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00795	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00784	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.00900	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.00506		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00417		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00514		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00463		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00462		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00503		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00454		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00520		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00402		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.00420		0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00500		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00464		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00649		0.0010	0.00050	0.00033
100-42-5	Styrene	0.00461		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00465		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00513		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00516		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00497		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00477		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00419		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00506		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00542		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00447		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0144		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-68879/33

Matrix: Solid Lab File ID: UX82524.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/16/2012 04:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68879 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		50-150
2037-26-5	Toluene-d8 (Surr)	100		50-150
460-00-4	4-Bromofluorobenzene (Surr)	97		50-150
1868-53-7	Dibromofluoromethane (Surr)	96		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82524.D
Lims ID: MRL Client ID:
Inject. Date: 16-Dec-2012 04:26:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015886-033
Misc. Info.: M21215A,8260SUX8,,402279 =M21215A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 32
Lims Batch ID: 68879 Lims Sample ID: 33
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\8260_8.m
Last Update: 19-Dec-2012 02:39:20 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK028

First Level Reviewer: latat Date: 17-Dec-2012 00:19:50

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.155	5.147	0.008	100	1565608	50.0	
* 2 Chlorobenzene-d5	117	7.686	7.678	0.008	97	1087009	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.874	9.878	-0.004	98	543459	50.0	
$ 4 BFB	95	3.522	3.743	-0.221	0	1634	0	
$ 5 Dibromofluoromethane (Surr)	113	4.622	4.624	-0.002	59	375954	47.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.894	4.884	0.010	93	462643	47.0	
$ 7 Toluene-d8 (Surr)	98	6.420	6.421	-0.001	95	1354458	49.8	
$ 131 4-Bromofluorobenzene (Surr)	95	8.762	8.763	-0.001	92	458865	48.7	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.582	1.572	0.010	88	27154	4.96	
13 Chloromethane	50	1.748	1.749	-0.001	99	50525	5.20	
14 Vinyl chloride	62	1.866	1.867	-0.001	94	32530	5.42	
15 Bromomethane	94	2.186	2.187	-0.001	84	17381	5.14	
16 Chloroethane	64	2.280	2.281	-0.001	82	16378	4.47	
17 Dichlorofluoromethane	67		2.450					
18 Trichlorofluoromethane	101	2.505	2.506	-0.001	83	38209	5.30	
19 Ethyl ether	59		2.734					
20 Acrolein	56	2.836	2.837	-0.001	90	83124	46.8	
25 Methylal	45		2.856					
21 1,1-Dichloroethene	96	2.931	2.932	-0.001	93	25603	5.12	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.943	2.944	-0.001	74	19891	4.43	
22 Acetone	43	2.955	2.956	-0.001	93	55804	9.00	
24 Iodomethane	142	3.049	3.050	-0.001	96	55392	5.18	
26 Carbon disulfide	76	3.108	3.109	-0.001	97	68437	4.63	
27 Acetonitrile	41	3.167	3.169	-0.002	99	85719	51.6	
29 3-Chloro-1-propene	76		3.207					
28 Methyl acetate	43	3.215	3.216	-0.001	97	96983	9.80	
30 Methylene Chloride	84	3.298	3.299	-0.001	90	55190	6.49	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 2-Methyl-2-propanol	59	3.380	3.382	-0.002	86	62352	80.5	
32 Acrylonitrile	53	3.475	3.476	-0.001	92	41193	10.1	
34 Methyl tert-butyl ether	73	3.522	3.523	-0.001	83	85790	4.64	
33 trans-1,2-Dichloroethene	96	3.522	3.523	-0.001	68	32019	5.02	
35 Hexane	86	3.735	3.736	-0.001	89	8053	4.58	
36 1,1-Dichloroethane	63	3.842	3.831	0.011	91	61322	5.05	
37 Vinyl acetate	86	3.865	3.855	0.010	95	5608	3.96	
38 Isopropyl ether	87		3.881					
39 2-Chloro-1,3-butadiene	53		3.905					
40 Tert-butyl ethyl ether	59		4.153					9
42 cis-1,2-Dichloroethene	96	4.268	4.269	-0.001	86	38382	5.26	
41 2-Butanone (MEK)	43	4.268	4.269	-0.001	92	56008	9.07	
43 2,2-Dichloropropane	77	4.279	4.280	-0.001	63	24222	5.00	
45 Ethyl acetate	43		4.307					9
44 Propionitrile	54		4.307					
46 Methacrylonitrile	41		4.425					9
47 Chlorobromomethane	128	4.457	4.458	-0.001	82	20653	4.97	
48 Tetrahydrofuran	42	4.492	4.493	-0.001	84	16355	4.38	
49 Chloroform	83	4.504	4.505	-0.001	94	59187	5.16	
50 1,1,1-Trichloroethane	97	4.670	4.671	-0.001	84	41043	4.84	
51 Cyclohexane	56	4.717	4.718	-0.001	94	64210	4.83	
52 1,1-Dichloropropene	75	4.788	4.789	-0.001	79	37582	4.75	
53 Carbon tetrachloride	117	4.800	4.801	-0.001	81	35936	4.62	
54 Isobutyl alcohol	41		4.816					9
56 1,2-Dichloroethane	62	4.942	4.943	-0.001	62	58533	5.23	
55 Benzene	78	4.954	4.943	0.011	93	123988	5.06	
57 Tert-amyl methyl ether	73		5.017					9
58 n-Heptane	100		5.135					
59 n-Butanol	56		5.324					
60 Trichloroethene	130	5.439	5.440	-0.001	88	37702	5.06	
61 Ethyl acrylate	55		5.487					
63 Methylcyclohexane	83	5.604	5.605	-0.001	86	48315	4.60	
62 1,2-Dichloropropane	63	5.616	5.617	-0.001	76	33571	4.96	
64 Methyl methacrylate	41		5.679					9
65 Dibromomethane	93	5.711	5.712	-0.001	81	21068	5.32	
66 1,4-Dioxane	88	5.711	5.712	-0.001	68	16616	229.5	
67 Dichlorobromomethane	83	5.817	5.830	-0.013	89	34559	4.54	
68 2-Nitropropane	41		5.999					
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.184	6.185	-0.001	59	33476	4.02	
71 4-Methyl-2-pentanone (MIBK)	43	6.302	6.303	-0.001	95	86053	7.84	
72 Toluene	91	6.479	6.481	-0.002	91	138035	5.13	
73 trans-1,3-Dichloropropene	75	6.645	6.646	-0.001	78	27326	4.19	
74 Ethyl methacrylate	69	6.704	6.705	-0.001	78	30594	4.18	
75 1,1,2-Trichloroethane	97	6.799	6.800	-0.001	83	28696	5.09	
76 1,3-Dichloropropane	76	6.953	6.954	-0.001	86	46777	5.15	
77 Tetrachloroethene	164	6.953	6.966	-0.013	77	26609	4.65	
78 2-Hexanone	43	7.012	7.001	0.011	92	57772	7.95	
132 n-Butyl acetate	43	7.106	7.110	-0.004	62	9062	0	
79 Chlorodibromomethane	129	7.154	7.155	-0.001	65	26007	4.20	
80 Tetrahydrothiophene	60		7.255					
123 Ethylene Dibromide	107	7.272	7.273	-0.001	78	26366	4.77	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
81 1-Chlorohexane	91		7.663					9
82 Chlorobenzene	112	7.710	7.711	-0.001	92	92589	5.03	
83 1,1,1,2-Tetrachloroethane	131	7.769	7.770	-0.001	71	27381	4.63	
84 Ethylbenzene	106	7.804	7.794	0.010	96	46358	5.00	
10 m-Xylene & p-Xylene	106	7.899	7.900	-0.001	98	105376	9.47	
85 o-Xylene	106	8.277	8.267	0.010	86	52401	4.94	
86 Styrene	104	8.277	8.279	-0.002	83	78753	4.61	
87 Bromoform	173	8.455	8.456	-0.001	78	13576	4.17	
88 Isopropylbenzene	105	8.609	8.610	-0.001	94	123165	4.58	
89 Cyclohexanone	55		8.695					9
90 1,1,2,2-Tetrachloroethane	83	8.869	8.870	-0.001	80	32586	5.18	
91 Bromobenzene	156	8.916	8.917	-0.001	81	39542	5.03	
92 1,2,3-Trichloropropane	110	8.928	8.929	-0.001	66	12651	5.20	
93 trans-1,4-Dichloro-2-butene	53	8.928	8.929	-0.001	48	10964	4.07	
94 N-Propylbenzene	120	8.999	9.000	-0.001	94	35239	4.74	
95 2-Chlorotoluene	126	9.094	9.095	-0.001	94	34146	4.98	
96 1,3,5-Trimethylbenzene	105	9.165	9.166	-0.001	91	98629	4.58	
104 4-Chlorotoluene	126	9.200	9.189	0.011	93	35528	4.95	
97 tert-Butylbenzene	119	9.484	9.485	-0.001	89	93050	4.54	
98 1,2,4-Trimethylbenzene	105	9.531	9.532	-0.001	68	98803	4.58	
99 sec-Butylbenzene	105	9.697	9.698	-0.001	81	120960	4.49	
100 1,3-Dichlorobenzene	146	9.815	9.816	-0.001	83	65904	4.54	
101 4-Isopropyltoluene	119	9.839	9.840	-0.001	78	97014	4.30	
102 1,4-Dichlorobenzene	146	9.898	9.899	-0.001	78	67540	4.47	
103 1,2,3-Trimethylbenzene	105		9.949					
133 Benzyl chloride	126		10.016					
105 n-Butylbenzene	91	10.241	10.242	-0.001	88	70338	3.77	
106 1,2-Dichlorobenzene	146	10.265	10.266	-0.001	93	64861	4.76	
107 1,2-Dibromo-3-Chloropropane	157	11.022	11.023	-0.001	10	4028	3.98	
108 1,3,5-Trichlorobenzene	180	11.246	11.247	-0.001	89	35505	4.28	
109 1,2,4-Trichlorobenzene	180	11.861	11.863	-0.002	72	27795	4.00	
110 Hexachlorobutadiene	225		12.028					
111 Naphthalene	128	12.110	12.099	0.011	82	60504	3.67	
112 1,2,3-Trichlorobenzene	180	12.358	12.359	-0.001	73	27787	3.25	
113 2-Methylnaphthalene	142		13.427					9
S 136 Trihalomethanes, Total	1				0		18.1	
S 11 1,2-Dichloroethene, Total	96				0		10.3	
S 9 1,3-Dichloropropene, Total	75				0		8.21	
S 114 Xylenes, Total	106				0		14.4	
T 137 Hexachloroethane TIC	166		10.500					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

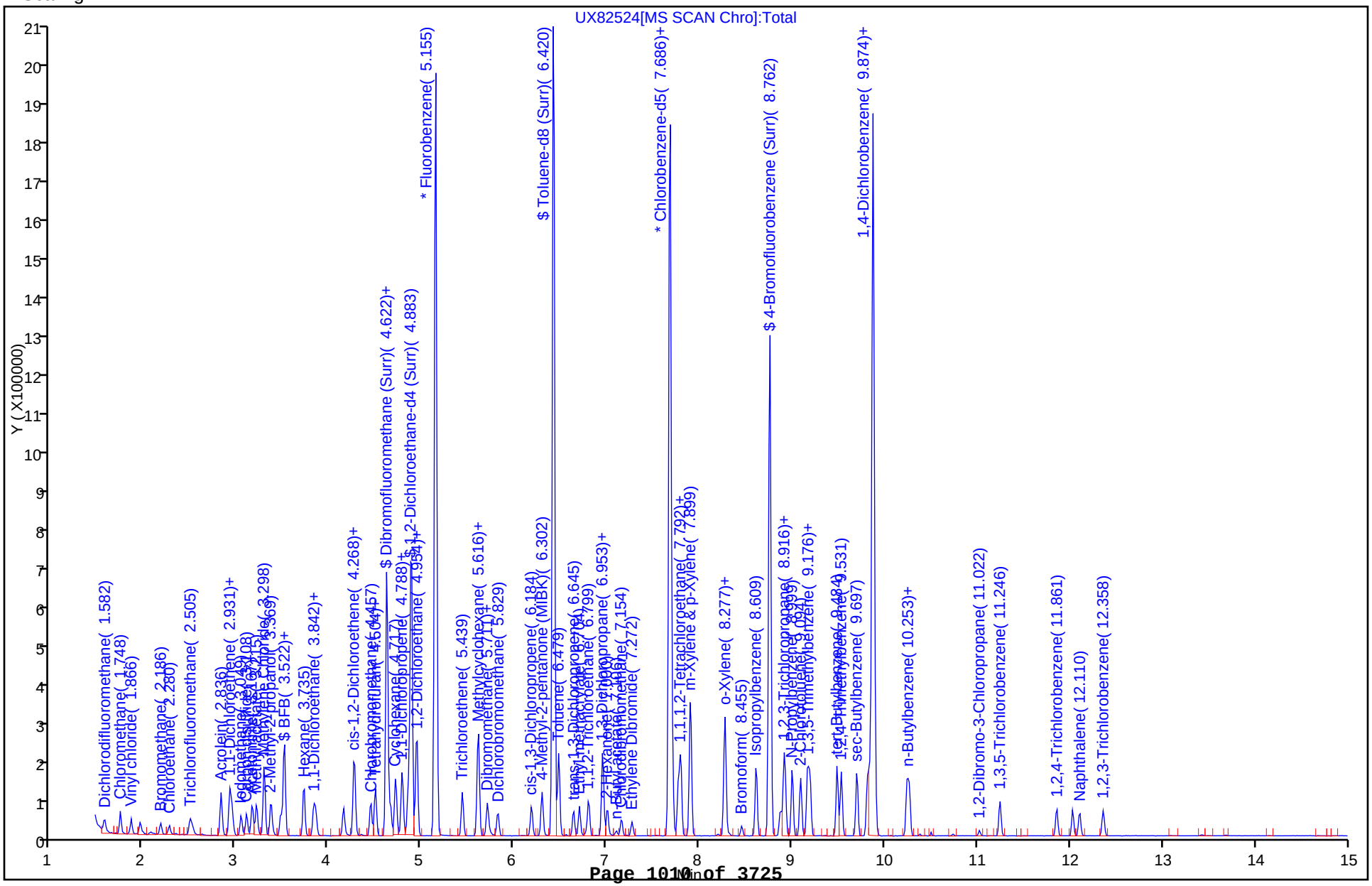
Report Date: 19-Dec-2012 02:39:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121215-15886.b\UX82524.D

Injection Date:	16-Dec-2012 04:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68879	Lims Sample ID:	33
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68905/5

Matrix: Solid | Lab File ID: UX82529.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/17/2012 00:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00597		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00532		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00519		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00540		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00576		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00574		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.0113		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00545		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00944	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00682	J ^	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00726	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.00786	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.00565		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00458		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00534		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00531		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00578		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00571		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00555		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00541		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00470		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.00457		0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00556		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00505		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00619		0.0010	0.00050	0.00033
100-42-5	Styrene	0.00539		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00581		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00559		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00559		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00560		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00529		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00457		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00544		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00537		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00498		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0170		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-68905/5

Matrix: Solid Lab File ID: UX82529.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/17/2012 00:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68905 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		50-150
2037-26-5	Toluene-d8 (Surr)	98		50-150
460-00-4	4-Bromofluorobenzene (Surr)	100		50-150
1868-53-7	Dibromofluoromethane (Surr)	98		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82529.D
Lims ID: MRL Client ID:
Inject. Date: 17-Dec-2012 00:26:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015896-005
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 68905 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 00:54:02

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.155	5.155	0.0	99	1451421	50.0	
* 2 Chlorobenzene-d5	117	7.686	7.686	0.0	97	1066117	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.874	0.001	98	535446	50.0	
$ 4 BFB	95	3.523	3.741	-0.218	0	1120	0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.623	0.0	58	355636	49.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.883	4.884	-0.001	94	441727	48.8	
$ 7 Toluene-d8 (Surr)	98	6.421	6.421	0.0	95	1306038	48.8	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.763	0.0	94	458859	49.9	
138 Butyl Methacrylate TIC	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
135 1,4-Dichlorobutane	1		0.000					
12 Dichlorodifluoromethane	85	1.571	1.583	-0.012	86	27534	5.43	
13 Chloromethane	50	1.749	1.749	0.0	89	48732	5.41	
14 Vinyl chloride	62	1.867	1.867	0.0	94	29860	5.37	
15 Bromomethane	94	2.186	2.187	-0.001	79	16747	5.34	
16 Chloroethane	64	2.281	2.281	0.0	70	16904	4.98	
17 Dichlorofluoromethane	67		2.446					
18 Trichlorofluoromethane	101	2.506	2.506	0.0	86	38527	5.77	
19 Ethyl ether	59		2.741					
20 Acrolein	56	2.837	2.837	0.0	92	73529	44.7	
25 Methylal	45		2.856					
21 1,1-Dichloroethene	96	2.931	2.932	-0.001	92	26705	5.76	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.943	2.944	-0.001	78	25341	6.09	
22 Acetone	43	2.955	2.956	-0.001	96	47756	7.86	
24 Iodomethane	142	3.050	3.050	0.0	96	55651	5.61	
26 Carbon disulfide	76	3.109	3.109	0.0	96	72849	5.31	
27 Acetonitrile	41	3.168	3.168	0.0	99	69647	45.2	
29 3-Chloro-1-propene	76		3.215					
28 Methyl acetate	43	3.215	3.216	-0.001	97	86184	9.39	
30 Methylene Chloride	84	3.298	3.299	-0.001	90	49298	6.19	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 2-Methyl-2-propanol	59	3.369	3.369	0.0	86	61776	86.1	
32 Acrylonitrile	53	3.476	3.476	0.0	93	33203	8.75	
34 Methyl tert-butyl ether	73	3.523	3.523	0.0	84	86516	5.05	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.0	74	32207	5.44	
35 Hexane	86	3.724	3.736	-0.012	92	8096	4.97	
36 1,1-Dichloroethane	63	3.830	3.831	-0.001	91	60764	5.40	
37 Vinyl acetate	86	3.866	3.854	0.012	97	5050	3.85	
38 Isopropyl ether	87		3.877					9
39 2-Chloro-1,3-butadiene	53		3.913					
40 Tert-butyl ethyl ether	59		4.149					9
41 2-Butanone (MEK)	43	4.268	4.268	0.0	80	54049	9.44	
42 cis-1,2-Dichloroethene	96	4.268	4.268	0.0	85	39420	5.83	
43 2,2-Dichloropropane	77	4.280	4.280	0.0	62	26550	5.91	
45 Ethyl acetate	43		4.303					9
44 Propionitrile	54		4.303					
46 Methacrylonitrile	41		4.433					9
47 Chlorobromomethane	128	4.457	4.458	-0.001	85	21590	5.60	
48 Tetrahydrofuran	42	4.493	4.493	0.0	76	14958	4.32	
49 Chloroform	83	4.505	4.505	0.0	95	59422	5.59	
50 1,1,1-Trichloroethane	97	4.670	4.659	0.011	89	46916	5.97	
51 Cyclohexane	56	4.718	4.718	0.0	95	69595	5.65	
52 1,1-Dichloropropene	75	4.788	4.789	-0.001	77	41878	5.71	
53 Carbon tetrachloride	117	4.800	4.801	-0.001	86	41721	5.78	
54 Isobutyl alcohol	41		4.811					9
55 Benzene	78	4.954	4.943	0.011	94	128443	5.65	
56 1,2-Dichloroethane	62	4.942	4.943	-0.001	51	59626	5.74	
57 Tert-amyl methyl ether	73		5.013					9
58 n-Heptane	100		5.131					
59 n-Butanol	56	5.333	5.320	0.013	77	4290	19.3	
60 Trichloroethene	130	5.439	5.439	0.0	89	37571	5.44	
61 Ethyl acrylate	55		5.487					
63 Methylcyclohexane	83	5.605	5.605	0.0	87	56972	5.85	
62 1,2-Dichloropropane	63	5.616	5.617	-0.001	82	34188	5.45	
64 Methyl methacrylate	41		5.675					9
65 Dibromomethane	93	5.711	5.712	-0.001	77	18822	5.12	
66 1,4-Dioxane	88	5.711	5.712	-0.001	68	16015	238.6	
67 Dichlorobromomethane	83	5.829	5.818	0.011	88	39150	5.55	
68 2-Nitropropane	41		5.994					
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.184	6.185	-0.001	63	36248	4.70	
71 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.0	93	73912	7.26	
72 Toluene	91	6.480	6.480	0.0	93	147518	5.59	
73 trans-1,3-Dichloropropene	75	6.646	6.646	0.0	77	29894	4.57	
74 Ethyl methacrylate	69	6.705	6.705	0.0	76	31425	4.38	
75 1,1,2-Trichloroethane	97	6.799	6.800	-0.001	93	28655	5.19	
77 Tetrachloroethene	164	6.953	6.954	-0.001	85	32587	5.81	
76 1,3-Dichloropropane	76	6.953	6.954	-0.001	86	47665	5.35	
78 2-Hexanone	43	7.000	7.001	-0.001	92	48619	6.82	
132 n-Butyl acetate	43	7.107	7.106	0.001	89	29966	0	
79 Chlorodibromomethane	129	7.154	7.155	-0.001	72	27736	4.57	
80 Tetrahydrothiophene	60		7.255					
123 Ethylene Dibromide	107	7.272	7.273	-0.001	80	28716	5.29	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
81 1-Chlorohexane	91		7.663					9
82 Chlorobenzene	112	7.710	7.711	-0.001	91	103091	5.71	
83 1,1,1,2-Tetrachloroethane	131	7.769	7.770	-0.001	80	32015	5.52	
84 Ethylbenzene	106	7.805	7.793	0.012	96	50571	5.56	
10 m-Xylene & p-Xylene	106	7.899	7.900	-0.001	98	126619	11.6	
85 o-Xylene	106	8.278	8.267	0.012	90	55635	5.35	
86 Styrene	104	8.278	8.278	0.0	86	90393	5.39	
87 Bromoform	173	8.455	8.456	-0.001	76	14995	4.58	
88 Isopropylbenzene	105	8.609	8.610	-0.001	94	146067	5.53	
89 Cyclohexanone	55	8.704	8.703	0.001	84	37714	19.5	
90 1,1,2,2-Tetrachloroethane	83	8.869	8.870	-0.001	81	32994	5.32	
91 Bromobenzene	156	8.917	8.917	0.0	82	43010	5.56	
92 1,2,3-Trichloropropane	110	8.928	8.929	-0.001	69	12178	5.08	
93 trans-1,4-Dichloro-2-butene	53	8.928	8.929	-0.001	53	11251	4.24	
94 N-Propylbenzene	120	8.999	9.000	-0.001	97	39655	5.41	
95 2-Chlorotoluene	126	9.094	9.095	0.0	95	38549	5.70	
96 1,3,5-Trimethylbenzene	105	9.165	9.165	0.0	92	117545	5.54	
104 4-Chlorotoluene	126	9.189	9.189	0.0	95	40957	5.79	
97 tert-Butylbenzene	119	9.484	9.485	-0.001	90	119110	5.90	
98 1,2,4-Trimethylbenzene	105	9.532	9.532	0.0	93	118898	5.59	
99 sec-Butylbenzene	105	9.697	9.698	-0.001	88	150261	5.66	
100 1,3-Dichlorobenzene	146	9.816	9.816	0.0	85	75187	5.26	
101 4-Isopropyltoluene	119	9.839	9.840	-0.001	84	124022	5.57	
102 1,4-Dichlorobenzene	146	9.898	9.899	-0.001	79	83583	5.61	
103 1,2,3-Trimethylbenzene	105		9.945					9
133 Benzyl chloride	126		10.016					
105 n-Butylbenzene	91	10.241	10.242	-0.001	93	94608	5.15	
106 1,2-Dichlorobenzene	146	10.265	10.266	-0.001	91	71886	5.36	
107 1,2-Dibromo-3-Chloropropane	157	11.022	11.023	-0.001	8	4103	4.12	
108 1,3,5-Trichlorobenzene	180	11.247	11.247	0.0	93	44925	5.50	
109 1,2,4-Trichlorobenzene	180	11.862	11.862	0.0	83	36964	5.39	
110 Hexachlorobutadiene	225	12.028	12.028	0.0	75	20404	2.30	
111 Naphthalene	128	12.110	12.111	-0.001	82	65019	4.00	
112 1,2,3-Trichlorobenzene	180	12.359	12.359	0.0	84	34950	5.06	
113 2-Methylnaphthalene	142		13.423					9
S 136 Trihalomethanes, Total	1				0		20.3	
S 11 1,2-Dichloroethene, Total	96				0		11.3	
S 9 1,3-Dichloropropene, Total	75				0		9.27	
S 114 Xylenes, Total	106				0		17.0	
T 137 Hexachloroethane TIC	166		10.500					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

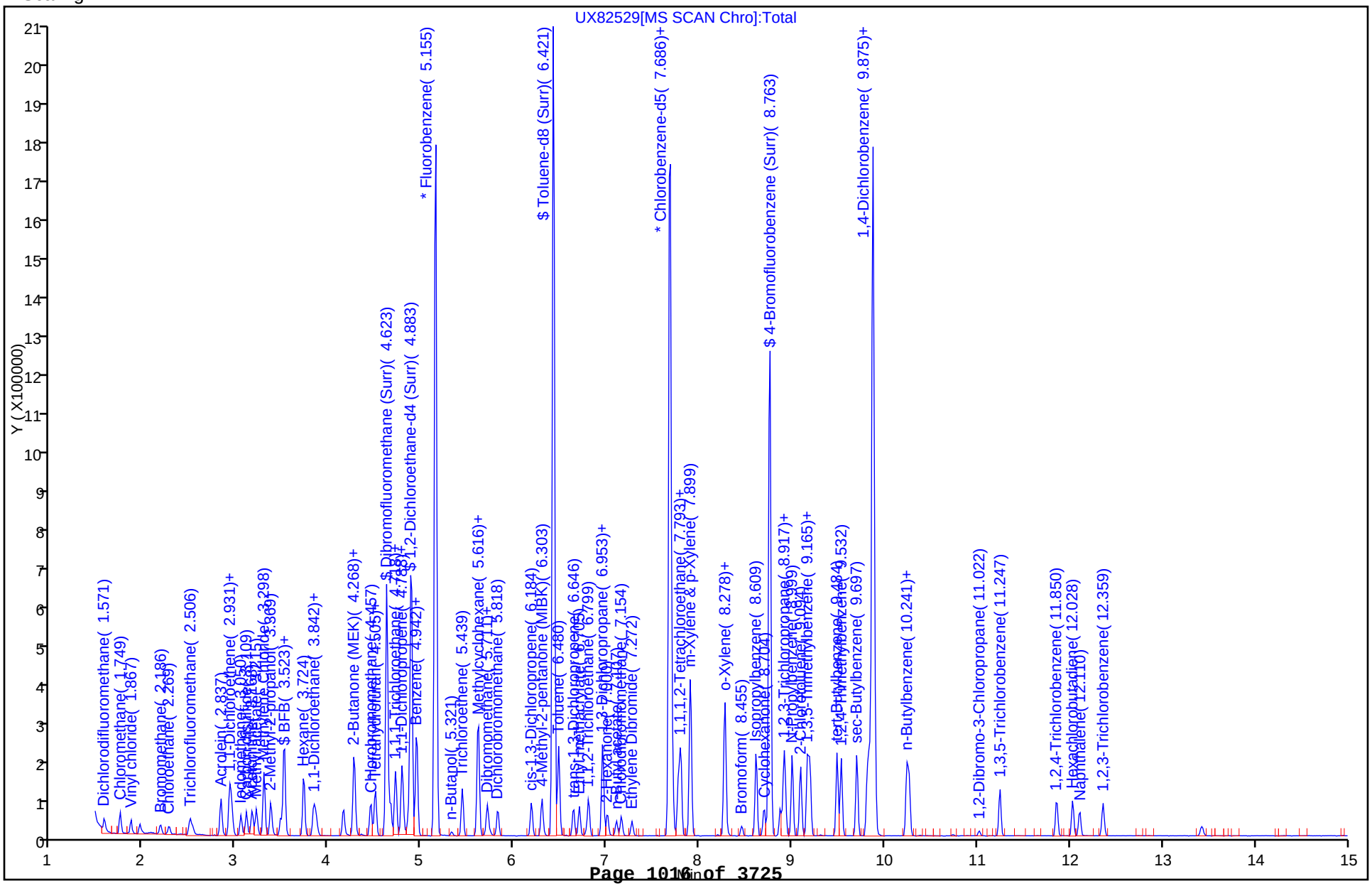
Report Date: 20-Dec-2012 03:33:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82529.D

Injection Date:	17-Dec-2012 00:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	5
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68905/33

Matrix: Solid | Lab File ID: UX82557.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/17/2012 10:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00505		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00535		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00516		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00547		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00506		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00571		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.0107		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00543		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.0105		0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00961	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00997	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.00927	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.00535		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00430		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00601		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00459		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00475		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00546		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00491		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00535		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00453		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.00426		0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00518		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00525		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00675	^	0.0010	0.00050	0.00033
100-42-5	Styrene	0.00531		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00505		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00530		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00541		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00534		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00507		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00455		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00551		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00492		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00580		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0161		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-68905/33

Matrix: Solid Lab File ID: UX82557.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/17/2012 10:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68905 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		50-150
2037-26-5	Toluene-d8 (Surr)	94		50-150
460-00-4	4-Bromofluorobenzene (Surr)	98		50-150
1868-53-7	Dibromofluoromethane (Surr)	93		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82557.D
Lims ID: MRL Client ID:
Inject. Date: 17-Dec-2012 10:34:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015896-033
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 32
Lims Batch ID: 68905 Lims Sample ID: 33
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:45:35

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.155	5.155	0.0	99	1488713	50.0	
* 2 Chlorobenzene-d5	117	7.687	7.686	0.0	97	1068309	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.874	0.001	99	549866	50.0	
$ 4 BFB	95	3.523	3.741	-0.218	0	1130	0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.623	0.0	59	348724	46.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.895	4.884	0.011	93	436036	46.5	
$ 7 Toluene-d8 (Surr)	98	6.421	6.421	0.0	95	1264766	46.8	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.763	0.0	95	452405	48.9	
138 Butyl Methacrylate TIC	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
135 1,4-Dichlorobutane	1		0.000					
12 Dichlorodifluoromethane	85	1.583	1.583	0.0	81	25298	4.86	
13 Chloromethane	50	1.749	1.749	0.0	97	49396	5.35	
14 Vinyl chloride	62	1.867	1.867	0.0	83	28071	4.92	
15 Bromomethane	94	2.186	2.187	-0.001	77	19331	6.01	
16 Chloroethane	64	2.281	2.281	0.0	81	20181	5.80	
17 Dichlorofluoromethane	67		2.446					
18 Trichlorofluoromethane	101	2.506	2.506	0.0	86	40836	5.96	
19 Ethyl ether	59		2.741					
20 Acrolein	56	2.837	2.837	0.0	90	79623	47.2	
25 Methylal	45		2.856					
21 1,1-Dichloroethene	96	2.931	2.932	-0.001	90	24072	5.06	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.943	2.944	-0.001	75	19189	4.50	
22 Acetone	43	2.955	2.956	-0.001	92	54006	9.27	
24 Iodomethane	142	3.050	3.050	0.0	96	56744	5.58	
26 Carbon disulfide	76	3.109	3.109	0.0	96	64567	4.59	
27 Acetonitrile	41	3.168	3.168	0.0	99	84178	53.3	
29 3-Chloro-1-propene	76		3.215					
28 Methyl acetate	43	3.215	3.216	-0.001	97	107593	11.4	
30 Methylene Chloride	84	3.298	3.299	-0.001	91	54071	6.75	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 2-Methyl-2-propanol	59	3.381	3.369	0.012	88	67445	91.6	
32 Acrylonitrile	53	3.487	3.476	0.011	97	43473	11.2	
34 Methyl tert-butyl ether	73	3.523	3.523	0.0	82	92302	5.25	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.0	67	31416	5.18	
35 Hexane	86	3.736	3.736	0.0	92	6730	4.03	
36 1,1-Dichloroethane	63	3.842	3.831	0.011	89	63060	5.47	
37 Vinyl acetate	86	3.866	3.854	0.012	95	5267	3.91	
38 Isopropyl ether	87		3.877					
39 2-Chloro-1,3-butadiene	53		3.913					
40 Tert-butyl ethyl ether	59		4.149					9
41 2-Butanone (MEK)	43	4.268	4.268	0.0	88	61834	10.5	
42 cis-1,2-Dichloroethene	96	4.268	4.268	0.0	87	38054	5.49	
43 2,2-Dichloropropane	77	4.280	4.280	0.0	60	22440	4.87	
45 Ethyl acetate	43		4.303					9
44 Propionitrile	54		4.303					
46 Methacrylonitrile	41		4.433					9
47 Chlorobromomethane	128	4.457	4.458	-0.001	71	21110	5.34	
48 Tetrahydrofuran	42	4.493	4.493	0.0	65	19664	5.54	
49 Chloroform	83	4.505	4.505	0.0	85	59007	5.41	
50 1,1,1-Trichloroethane	97	4.670	4.659	0.011	86	40681	5.05	
51 Cyclohexane	56	4.718	4.718	0.0	96	65159	5.16	
52 1,1-Dichloropropene	75	4.789	4.789	0.0	77	38792	5.16	
53 Carbon tetrachloride	117	4.800	4.801	-0.001	72	35105	4.75	
54 Isobutyl alcohol	41		4.811					9
55 Benzene	78	4.954	4.943	0.011	94	124690	5.35	
56 1,2-Dichloroethane	62	4.942	4.943	-0.001	61	60757	5.71	
57 Tert-amyl methyl ether	73		5.013					9
58 n-Heptane	100		5.131					
59 n-Butanol	56		5.320					9
60 Trichloroethene	130	5.439	5.439	0.0	85	39003	5.51	
61 Ethyl acrylate	55		5.487					
63 Methylcyclohexane	83	5.617	5.605	0.011	86	48890	4.89	
62 1,2-Dichloropropane	63	5.617	5.617	-0.001	73	34893	5.43	
64 Methyl methacrylate	41		5.675					
65 Dibromomethane	93	5.711	5.712	-0.001	79	19524	5.18	
66 1,4-Dioxane	88	5.711	5.712	-0.001	65	15280	221.9	
67 Dichlorobromomethane	83	5.829	5.818	0.011	86	35528	4.91	
68 2-Nitropropane	41		5.994					
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.184	6.185	-0.001	58	35818	4.53	
71 4-Methyl-2-pentanone (MIBK)	43	6.303	6.303	0.0	94	104045	9.97	
72 Toluene	91	6.480	6.480	0.0	92	139969	5.30	
73 trans-1,3-Dichloropropene	75	6.646	6.646	0.0	83	29860	4.55	
74 Ethyl methacrylate	69	6.705	6.705	0.0	82	33513	4.66	
75 1,1,2-Trichloroethane	97	6.811	6.800	0.011	89	28549	5.16	
77 Tetrachloroethene	164	6.965	6.954	0.011	90	28377	5.05	
76 1,3-Dichloropropane	76	6.953	6.954	-0.001	85	48981	5.48	
78 2-Hexanone	43	7.000	7.001	-0.001	94	68678	9.61	
132 n-Butyl acetate	43	7.107	7.106	0.001	54	9006	0	
79 Chlorodibromomethane	129	7.154	7.155	-0.001	70	25919	4.26	
80 Tetrahydrothiophene	60		7.255					
123 Ethylene Dibromide	107	7.273	7.273	-0.001	80	27580	5.07	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
81 1-Chlorohexane	91		7.663					9
82 Chlorobenzene	112	7.710	7.711	-0.001	91	98678	5.46	
83 1,1,1,2-Tetrachloroethane	131	7.769	7.770	-0.001	78	30526	5.25	
84 Ethylbenzene	106	7.793	7.793	0.0	96	47142	5.18	
10 m-Xylene & p-Xylene	106	7.899	7.900	-0.001	98	116651	10.7	
85 o-Xylene	106	8.266	8.267	0.0	89	56629	5.43	
86 Styrene	104	8.278	8.278	0.0	85	89269	5.31	
87 Bromoform	173	8.455	8.456	-0.001	77	13868	4.30	
88 Isopropylbenzene	105	8.609	8.610	-0.001	94	137929	5.22	
89 Cyclohexanone	55		8.703					9
90 1,1,2,2-Tetrachloroethane	83	8.869	8.870	-0.001	79	34098	5.35	
91 Bromobenzene	156	8.917	8.917	0.0	80	41887	5.27	
92 1,2,3-Trichloropropane	110	8.929	8.929	-0.001	71	12549	5.10	
93 trans-1,4-Dichloro-2-butene	53	8.929	8.929	-0.001	50	12606	4.63	
94 N-Propylbenzene	120	8.999	9.000	-0.001	96	35239	4.68	
95 2-Chlorotoluene	126	9.094	9.095	0.0	95	35957	5.18	
96 1,3,5-Trimethylbenzene	105	9.165	9.165	0.0	90	111393	5.11	
104 4-Chlorotoluene	126	9.201	9.189	0.012	93	35188	4.84	
97 tert-Butylbenzene	119	9.484	9.485	-0.001	88	114932	5.54	
98 1,2,4-Trimethylbenzene	105	9.532	9.532	0.0	74	111227	5.09	
99 sec-Butylbenzene	105	9.697	9.698	-0.001	87	135957	4.99	
100 1,3-Dichlorobenzene	146	9.816	9.816	0.0	90	73349	5.00	
101 4-Isopropyltoluene	119	9.839	9.840	-0.001	81	111770	4.89	
102 1,4-Dichlorobenzene	146	9.898	9.899	-0.001	87	76267	4.98	
103 1,2,3-Trimethylbenzene	105		9.945					
133 Benzyl chloride	126		10.016					
105 n-Butylbenzene	91	10.241	10.242	-0.001	94	80944	4.29	
106 1,2-Dichlorobenzene	146	10.265	10.266	-0.001	94	72158	5.24	
107 1,2-Dibromo-3-Chloropropane	157	11.022	11.023	-0.001	13	5393	5.27	
108 1,3,5-Trichlorobenzene	180	11.247	11.247	0.0	89	39896	4.76	
109 1,2,4-Trichlorobenzene	180	11.862	11.862	0.0	86	35352	5.02	
110 Hexachlorobutadiene	225	12.028	12.028	0.0	76	18767	0.9882	
111 Naphthalene	128	12.099	12.111	-0.012	90	109199	6.54	
112 1,2,3-Trichlorobenzene	180	12.359	12.359	0.0	84	38022	5.56	
113 2-Methylnaphthalene	142		13.423					9
S 136 Trihalomethanes, Total	1				0		18.9	
S 11 1,2-Dichloroethene, Total	96				0		10.7	
S 9 1,3-Dichloropropene, Total	75				0		9.08	
S 114 Xylenes, Total	106				0		16.1	
T 137 Hexachloroethane TIC	166		10.500					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

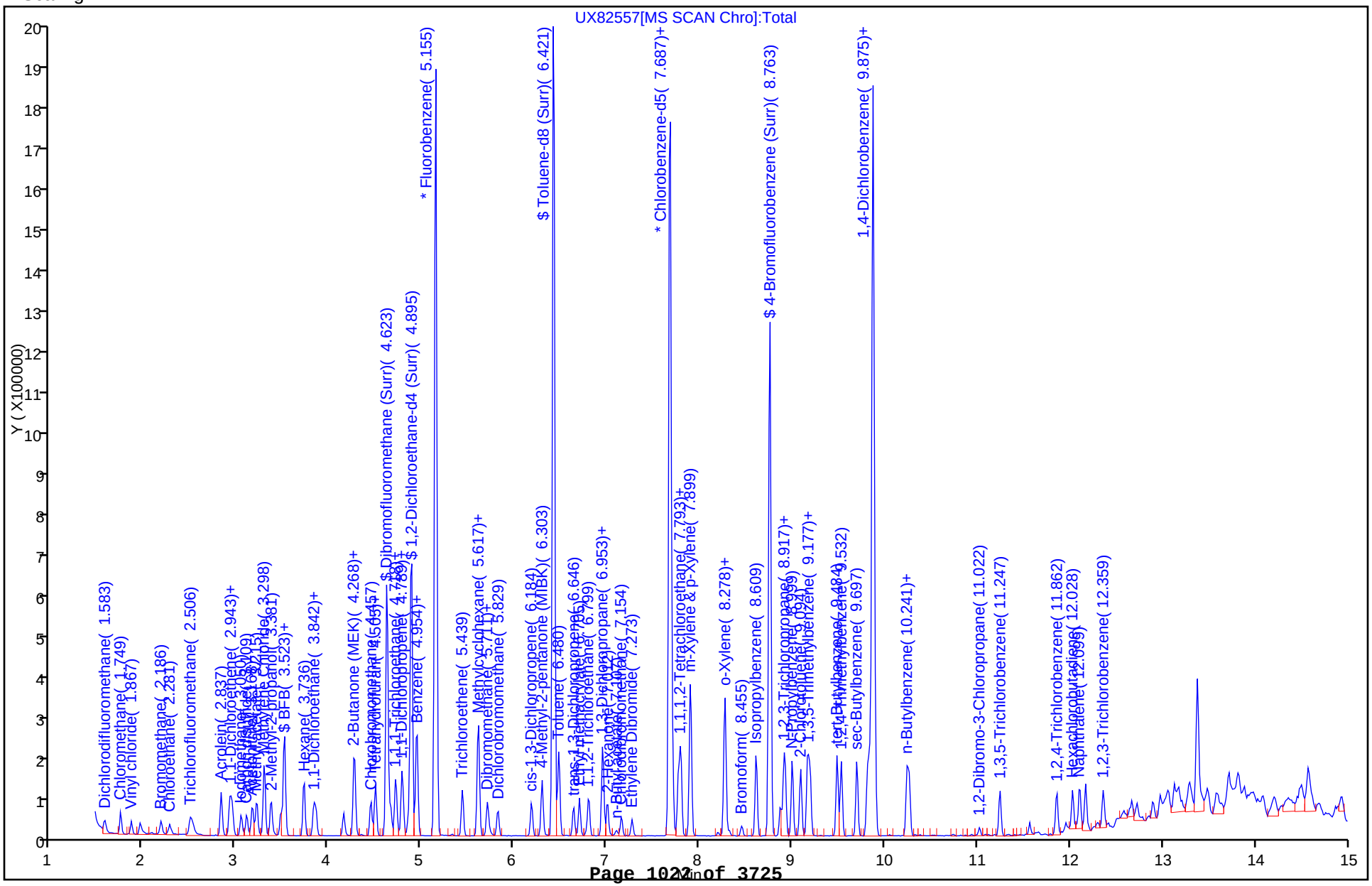
Report Date: 20-Dec-2012 03:33:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82557.D

Injection Date:	17-Dec-2012 10:34:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	33
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MS | Lab Sample ID: 240-18581-1 MS

Matrix: Solid | Lab File ID: UX82539.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 11:45

Sample wt/vol: 6.339(g) | Date Analyzed: 12/17/2012 04:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.6 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	26.2		4.8	0.97	0.54
79-34-5	1,1,2,2-Tetrachloroethane	25.2		4.8	0.48	0.33
79-00-5	1,1,2-Trichloroethane	28.6		4.8	0.48	0.38
75-34-3	1,1-Dichloroethane	25.7		4.8	0.48	0.35
75-35-4	1,1-Dichloroethene	27.0		4.8	0.97	0.50
106-93-4	1,2-Dibromoethane	23.2		4.8	0.97	0.48
107-06-2	1,2-Dichloroethane	24.2		4.8	0.48	0.33
540-59-0	1,2-Dichloroethene, Total	49.3		9.7	0.97	0.75
78-87-5	1,2-Dichloropropane	25.1		4.8	0.97	0.67
78-93-3	2-Butanone (MEK)	50.6		19	1.9	1.4
591-78-6	2-Hexanone	44.1		19	0.97	0.61
108-10-1	4-Methyl-2-pentanone (MIBK)	43.8		19	0.97	0.52
67-64-1	Acetone	73.8		19	6.1	6.1
71-43-2	Benzene	25.5		4.8	0.48	0.22
74-97-5	Bromochloromethane	22.9		4.8	0.97	0.69
75-27-4	Bromodichloromethane	24.0		4.8	0.48	0.27
75-25-2	Bromoform	18.3		4.8	0.48	0.32
74-83-9	Bromomethane	20.7		4.8	0.97	0.52
75-15-0	Carbon disulfide	24.7		4.8	0.48	0.43
56-23-5	Carbon tetrachloride	24.5		4.8	0.48	0.36
108-90-7	Chlorobenzene	23.7		4.8	0.48	0.32
75-00-3	Chloroethane	25.1		4.8	0.97	0.83
67-66-3	Chloroform	24.1		4.8	0.48	0.28
74-87-3	Chloromethane	23.8		4.8	0.48	0.40
10061-01-5	cis-1,3-Dichloropropene	22.3		4.8	0.48	0.33
124-48-1	Dibromochloromethane	21.3		4.8	0.97	0.53
100-41-4	Ethylbenzene	32.1		4.8	0.48	0.25
1634-04-4	Methyl tert-butyl ether	24.0		4.8	0.48	0.42
75-09-2	Methylene Chloride	31.6		4.8	0.97	0.65
100-42-5	Styrene	25.3		4.8	0.48	0.15
127-18-4	Tetrachloroethene	24.9		4.8	0.97	0.50
108-88-3	Toluene	28.8		4.8	0.48	0.26
10061-02-6	trans-1,3-Dichloropropene	20.1		4.8	0.97	0.52
79-01-6	Trichloroethene	24.9		4.8	0.48	0.41
75-01-4	Vinyl chloride	21.8		4.8	0.48	0.38
1330-20-7	Xylenes, Total	108		9.7	1.5	0.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MS Lab Sample ID: 240-18581-1 MS

Matrix: Solid Lab File ID: UX82539.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 11:45

Sample wt/vol: 6.339(g) Date Analyzed: 12/17/2012 04:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.6 Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		61-130
460-00-4	4-Bromofluorobenzene (Surr)	87		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		59-138
2037-26-5	Toluene-d8 (Surr)	98		85-115

Report Date: 20-Dec-2012 03:33:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82539.D
Lims ID: 240-18581-F-1-A MS Client ID: 070SB-0042M-0002-SO
Inject. Date: 17-Dec-2012 04:11:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0015896-015
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 14
Lims Batch ID: 68905 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:21:57

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.156	5.155	0.001	99	1471367	50.0	
* 2 Chlorobenzene-d5	117	7.688	7.686	0.002	98	1018987	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.876	9.874	0.002	98	437296	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.624	4.623	0.001	58	339022	45.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.884	4.884	0.0	97	412897	44.1	
$ 7 Toluene-d8 (Surr)	98	6.422	6.421	0.001	94	1252072	49.0	
$ 131 4-Bromofluorobenzene (Surr)	95	8.764	8.763	0.001	95	393471	43.6	
12 Dichlorodifluoromethane	85	1.572	1.583	-0.011	96	114755	22.3	
13 Chloromethane	50	1.750	1.749	0.001	100	224581	24.6	
14 Vinyl chloride	62	1.868	1.867	0.001	99	127098	22.5	
15 Bromomethane	94	2.187	2.187	0.0	93	67762	21.3	
16 Chloroethane	64	2.270	2.281	-0.011	93	89201	25.9	
18 Trichlorofluoromethane	101	2.507	2.506	0.001	85	183424	27.1	
19 Ethyl ether	59	2.743	2.741	0.002	96	186529	25.7	
20 Acrolein	56	2.838	2.837	0.001	88	33739	20.2	
21 1,1-Dichloroethene	96	2.933	2.932	0.0	94	130753	27.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.944	2.944	0.0	89	129529	30.7	
22 Acetone	43	2.956	2.956	0.0	96	288509	76.1	
24 Iodomethane	142	3.051	3.050	0.001	98	261175	26.0	
26 Carbon disulfide	76	3.110	3.109	0.001	98	354041	25.5	
27 Acetonitrile	41	3.169	3.168	0.001	98	105431	67.6	
28 Methyl acetate	43	3.216	3.216	0.0	97	261617	28.1	
30 Methylene Chloride	84	3.299	3.299	0.0	89	213611	32.6	
31 2-Methyl-2-propanol	59	3.370	3.369	0.001	90	307030	422.0	
32 Acrylonitrile	53	3.477	3.476	0.001	96	263762	68.6	
34 Methyl tert-butyl ether	73	3.524	3.523	0.001	84	430338	24.8	
33 trans-1,2-Dichloroethene	96	3.524	3.523	0.001	70	153661	25.6	
35 Hexane	86	3.737	3.736	0.001	96	47681	28.9	
36 1,1-Dichloroethane	63	3.831	3.831	0.0	95	301742	26.5	
37 Vinyl acetate	86	3.867	3.854	0.013	93	13391	10.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	3.879	3.877	0.002	98	146971	27.7	
41 2-Butanone (MEK)	43	4.269	4.268	0.001	95	302576	52.2	
42 cis-1,2-Dichloroethene	96	4.269	4.268	0.001	88	173558	25.3	
43 2,2-Dichloropropane	77	4.281	4.280	0.001	73	129847	28.5	
47 Chlorobromomethane	128	4.458	4.458	0.0	88	92513	23.7	
48 Tetrahydrofuran	42	4.494	4.493	0.001	87	81869	23.3	
49 Chloroform	83	4.506	4.505	0.001	98	268014	24.9	
50 1,1,1-Trichloroethane	97	4.671	4.659	0.012	94	215455	27.0	
51 Cyclohexane	56	4.719	4.718	0.001	96	382031	30.6	
52 1,1-Dichloropropene	75	4.790	4.789	0.001	81	195563	26.3	
53 Carbon tetrachloride	117	4.801	4.801	0.0	89	184627	25.3	
54 Isobutyl alcohol	41	4.813	4.811	0.002	92	414711	1100.7	
55 Benzene	78	4.943	4.943	0.0	93	604730	26.3	
56 1,2-Dichloroethane	62	4.943	4.943	0.0	59	262447	24.9	
60 Trichloroethene	130	5.440	5.439	0.001	92	179702	25.7	
63 Methylcyclohexane	83	5.606	5.605	0.001	93	394706	40.0	
62 1,2-Dichloropropane	63	5.618	5.617	0.001	80	164680	25.9	
65 Dibromomethane	93	5.712	5.712	0.0	82	93578	25.1	
67 Dichlorobromomethane	83	5.819	5.818	0.001	95	177123	24.8	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.185	6.185	0.0	78	179927	23.0	
71 4-Methyl-2-pentanone (MIBK)	43	6.304	6.303	0.001	96	466496	45.2	
72 Toluene	91	6.481	6.480	0.001	93	747903	29.7	
73 trans-1,3-Dichloropropene	75	6.647	6.646	0.001	90	155118	20.8	
75 1,1,2-Trichloroethane	97	6.800	6.800	0.0	88	155816	29.5	
77 Tetrachloroethene	164	6.954	6.954	0.0	83	137374	25.6	
76 1,3-Dichloropropane	76	6.954	6.954	0.0	89	212353	24.9	
78 2-Hexanone	43	7.002	7.001	0.001	95	309820	45.5	
79 Chlorodibromomethane	129	7.155	7.155	0.0	87	127602	22.0	
123 Ethylene Dibromide	107	7.274	7.273	0.001	95	123990	23.9	
82 Chlorobenzene	112	7.711	7.711	0.0	91	421881	24.5	
83 1,1,1,2-Tetrachloroethane	131	7.770	7.770	0.0	83	146229	26.4	
84 Ethylbenzene	106	7.794	7.793	0.001	98	287300	33.1	
10 m-Xylene & p-Xylene	106	7.900	7.900	0.0	98	753239	72.2	
85 o-Xylene	106	8.267	8.267	0.001	93	384000	38.6	
86 Styrene	104	8.279	8.278	0.001	83	417968	26.1	
87 Bromoform	173	8.456	8.456	0.0	95	69587	18.9	
88 Isopropylbenzene	105	8.610	8.610	0.0	96	785513	31.1	
89 Cyclohexanone	55	8.705	8.703	0.002	91	135101	72.9	
90 1,1,2,2-Tetrachloroethane	83	8.870	8.870	0.0	89	131706	26.0	
91 Bromobenzene	156	8.918	8.917	0.001	81	177492	28.1	
92 1,2,3-Trichloropropane	110	8.930	8.929	0.001	78	56042	28.6	
93 trans-1,4-Dichloro-2-butene	53	8.930	8.929	0.001	75	110338	50.9	
94 N-Propylbenzene	120	9.001	9.000	0.001	98	222383	37.2	
95 2-Chlorotoluene	126	9.095	9.095	0.001	96	155448	28.2	
96 1,3,5-Trimethylbenzene	105	9.166	9.165	0.001	97	906376	52.3	
104 4-Chlorotoluene	126	9.190	9.189	0.001	97	161241	27.9	
97 tert-Butylbenzene	119	9.486	9.485	0.001	84	474668	28.8	
98 1,2,4-Trimethylbenzene	105	9.533	9.532	0.001	97	2251591	129.7	
99 sec-Butylbenzene	105	9.698	9.698	0.0	94	638443	29.4	
100 1,3-Dichlorobenzene	146	9.817	9.816	0.001	86	285228	24.4	
101 4-Isopropyltoluene	119	9.840	9.840	0.0	91	646922	35.6	

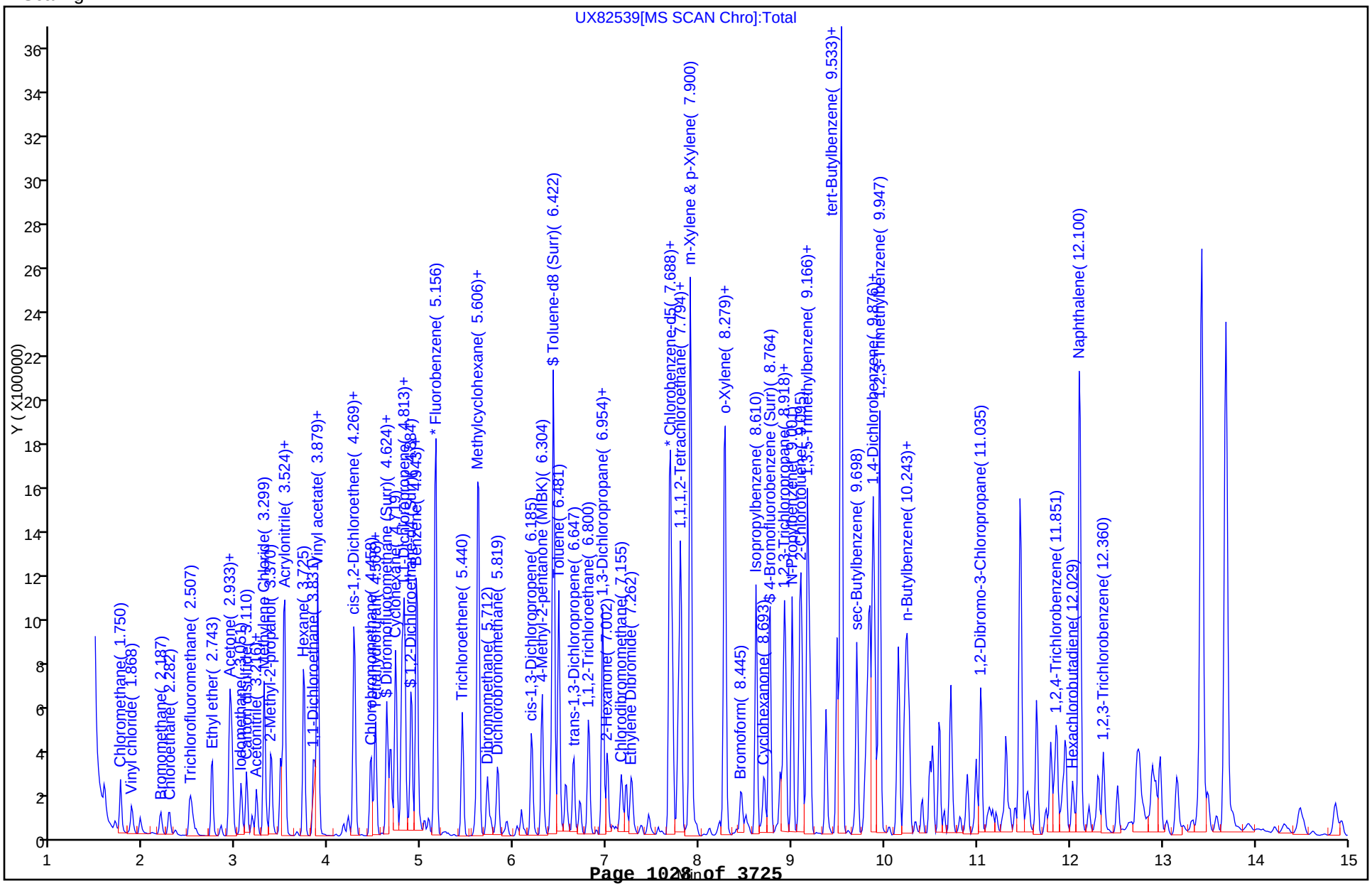
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	9.900	9.899	0.001	89	285776	23.5	
103 1,2,3-Trimethylbenzene	105	9.947	9.945	0.002	96	1215470	69.4	
105 n-Butylbenzene	91	10.243	10.242	0.001	93	479798	32.0	
106 1,2-Dichlorobenzene	146	10.266	10.266	0.0	97	249863	22.8	
107 1,2-Dibromo-3-Chloropropane	157	11.023	11.023	0.0	53	23104	28.4	
109 1,2,4-Trichlorobenzene	180	11.863	11.862	0.001	92	106767	19.1	
110 Hexachlorobutadiene	225	12.029	12.028	0.001	83	49129	24.7	
111 Naphthalene	128	12.100	12.111	-0.011	97	2083328	156.8	
112 1,2,3-Trichlorobenzene	180	12.360	12.359	0.001	88	89108	22.3	
S 136 Trihalomethanes, Total	1				0		90.5	
S 11 1,2-Dichloroethene, Total	96				0		50.9	
S 114 Xylenes, Total	106				0		110.8	

Report Date: 20-Dec-2012 03:33:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82539.D		
Injection Date:	17-Dec-2012 04:11:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	15
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MS | Lab Sample ID: 240-18581-3 MS

Matrix: Solid | Lab File ID: UX82542.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 11:15

Sample wt/vol: 6.062(g) | Date Analyzed: 12/17/2012 05:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.7 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	23.5		5.1	1.0	0.58
79-34-5	1,1,2,2-Tetrachloroethane	21.0		5.1	0.51	0.35
79-00-5	1,1,2-Trichloroethane	22.7		5.1	0.51	0.40
75-34-3	1,1-Dichloroethane	23.6		5.1	0.51	0.37
75-35-4	1,1-Dichloroethene	24.7		5.1	1.0	0.53
107-06-2	1,2-Dichloroethane	24.3		5.1	0.51	0.35
540-59-0	1,2-Dichloroethene, Total	45.2		10	1.0	0.79
78-87-5	1,2-Dichloropropane	23.5		5.1	1.0	0.71
78-93-3	2-Butanone (MEK)	51.4		21	2.1	1.4
591-78-6	2-Hexanone	47.2		21	1.0	0.65
108-10-1	4-Methyl-2-pentanone (MIBK)	50.7		21	1.0	0.55
67-64-1	Acetone	62.8		21	6.5	6.5
71-43-2	Benzene	22.9		5.1	0.51	0.24
75-25-2	Bromoform	18.3		5.1	0.51	0.34
74-83-9	Bromomethane	21.9		5.1	1.0	0.55
75-15-0	Carbon disulfide	21.5		5.1	0.51	0.45
56-23-5	Carbon tetrachloride	22.4		5.1	0.51	0.38
108-90-7	Chlorobenzene	19.8		5.1	0.51	0.34
75-27-4	Bromodichloromethane	23.7		5.1	0.51	0.29
74-87-3	Chloromethane	22.0		5.1	0.51	0.42
10061-01-5	cis-1,3-Dichloropropene	22.2		5.1	0.51	0.35
124-48-1	Dibromochloromethane	20.3		5.1	1.0	0.57
100-41-4	Ethylbenzene	19.5	J	5.1	0.51	0.27
1634-04-4	Methyl tert-butyl ether	25.4		5.1	0.51	0.44
75-09-2	Methylene Chloride	22.5		5.1	1.0	0.69
100-42-5	Styrene	21.1		5.1	0.51	0.15
127-18-4	Tetrachloroethene	19.7		5.1	1.0	0.53
108-88-3	Toluene	23.7		5.1	0.51	0.28
67-66-3	Chloroform	22.4		5.1	0.51	0.30
74-97-5	Bromochloromethane	23.1		5.1	1.0	0.73
106-93-4	1,2-Dibromoethane	22.9		5.1	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	20.0		5.1	1.0	0.55
79-01-6	Trichloroethene	22.3		5.1	0.51	0.43
75-01-4	Vinyl chloride	20.5		5.1	0.51	0.40
75-00-3	Chloroethane	24.7		5.1	1.0	0.88
1330-20-7	Xylenes, Total	61.0		10	1.5	0.69

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MS Lab Sample ID: 240-18581-3 MS

Matrix: Solid Lab File ID: UX82542.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 11:15

Sample wt/vol: 6.062(g) Date Analyzed: 12/17/2012 05:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.7 Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		61-130
2037-26-5	Toluene-d8 (Surr)	91		85-115
460-00-4	4-Bromofluorobenzene (Surr)	94		85-120
1868-53-7	Dibromofluoromethane (Surr)	94		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82542.D
Lims ID: 240-18581-F-3-A MS Client ID: 070SB-044M-0002-SO
Inject. Date: 17-Dec-2012 05:15:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0015896-018
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 17
Lims Batch ID: 68905 Lims Sample ID: 18
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:29:13

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.154	5.155	-0.001	99	1499130	50.0	
* 2 Chlorobenzene-d5	117	7.686	7.686	0.0	97	1123160	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.874	9.874	0.0	98	568926	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.622	4.623	-0.001	58	356043	47.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.894	4.884	0.010	95	449698	47.9	
$ 7 Toluene-d8 (Surr)	98	6.420	6.421	-0.001	95	1294128	45.3	
$ 131 4-Bromofluorobenzene (Surr)	95	8.762	8.763	-0.001	95	461037	47.0	
12 Dichlorodifluoromethane	85	1.582	1.583	-0.001	96	102124	19.5	
13 Chloromethane	50	1.748	1.749	-0.001	99	199000	21.4	
14 Vinyl chloride	62	1.866	1.867	-0.001	99	114795	20.0	
15 Bromomethane	94	2.185	2.187	-0.002	90	68980	21.3	
16 Chloroethane	64	2.280	2.281	-0.001	94	84393	24.1	
18 Trichlorofluoromethane	101	2.505	2.506	-0.001	97	192547	27.9	
19 Ethyl ether	59	2.741	2.741	0.0	92	174239	23.5	
20 Acrolein	56	2.836	2.837	-0.001	90	56060	33.0	
21 1,1-Dichloroethene	96	2.931	2.932	-0.001	96	115042	24.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.943	2.944	-0.002	89	101200	23.6	
22 Acetone	43	2.954	2.956	-0.002	95	240059	61.1	
24 Iodomethane	142	3.049	3.050	-0.001	99	240068	23.4	
26 Carbon disulfide	76	3.108	3.109	-0.001	98	296205	20.9	
27 Acetonitrile	41	3.167	3.168	-0.001	98	107697	67.7	
28 Methyl acetate	43	3.215	3.216	-0.001	97	269642	28.5	
30 Methylene Chloride	84	3.297	3.299	-0.002	92	149986	21.9	
31 2-Methyl-2-propanol	59	3.380	3.369	0.011	93	349092	470.9	
32 Acrylonitrile	53	3.487	3.476	0.011	97	283196	72.2	
34 Methyl tert-butyl ether	73	3.522	3.523	-0.001	86	438193	24.8	
33 trans-1,2-Dichloroethene	96	3.522	3.523	-0.001	64	135348	22.1	
35 Hexane	86	3.735	3.736	-0.001	95	32629	19.4	
36 1,1-Dichloroethane	63	3.841	3.831	0.010	95	267160	23.0	
37 Vinyl acetate	86	3.865	3.854	0.011	95	19031	14.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	3.877	3.877	0.0	94	135781	25.1	
41 2-Butanone (MEK)	43	4.267	4.268	-0.001	95	295416	50.0	
42 cis-1,2-Dichloroethene	96	4.279	4.268	0.011	87	153007	21.9	
43 2,2-Dichloropropane	77	4.279	4.280	-0.001	72	110939	23.9	
47 Chlorobromomethane	128	4.457	4.458	-0.001	80	89475	22.5	
48 Tetrahydrofuran	42	4.492	4.493	-0.001	88	89567	25.1	
49 Chloroform	83	4.504	4.505	-0.001	98	239611	21.8	
50 1,1,1-Trichloroethane	97	4.669	4.659	0.010	93	185934	22.9	
51 Cyclohexane	56	4.717	4.718	-0.001	96	266046	20.9	
52 1,1-Dichloropropene	75	4.788	4.789	-0.001	87	167366	22.1	
53 Carbon tetrachloride	117	4.800	4.801	-0.001	86	162112	21.8	
54 Isobutyl alcohol	41	4.811	4.811	0.0	92	449965	1172.1	
55 Benzene	78	4.953	4.943	0.010	92	523707	22.3	
56 1,2-Dichloroethane	62	4.953	4.943	0.010	62	253801	23.7	
60 Trichloroethene	130	5.438	5.439	-0.001	92	154924	21.7	
63 Methylcyclohexane	83	5.616	5.605	0.011	87	177395	17.6	
62 1,2-Dichloropropane	63	5.616	5.617	-0.001	76	148008	22.9	
65 Dibromomethane	93	5.710	5.712	-0.002	84	92040	24.3	
67 Dichlorobromomethane	83	5.829	5.818	0.011	96	168220	23.1	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.184	6.185	-0.001	78	171687	21.6	
71 4-Methyl-2-pentanone (MIBK)	43	6.302	6.303	-0.001	98	519036	49.4	
72 Toluene	91	6.479	6.480	-0.001	97	640166	23.0	
73 trans-1,3-Dichloropropene	75	6.645	6.646	-0.001	91	159740	19.5	
75 1,1,2-Trichloroethane	97	6.799	6.800	-0.001	95	128364	22.1	
77 Tetrachloroethene	164	6.964	6.954	0.010	90	113248	19.2	
76 1,3-Dichloropropane	76	6.952	6.954	-0.002	89	209333	22.3	
78 2-Hexanone	43	7.000	7.001	-0.001	96	345406	46.0	
79 Chlorodibromomethane	129	7.153	7.155	-0.002	90	126504	19.8	
123 Ethylene Dibromide	107	7.272	7.273	-0.001	98	127397	22.3	
82 Chlorobenzene	112	7.709	7.711	-0.002	93	366976	19.3	
83 1,1,1,2-Tetrachloroethane	131	7.769	7.770	-0.001	83	133830	21.9	
84 Ethylbenzene	106	7.804	7.793	0.011	98	182044	19.0	
10 m-Xylene & p-Xylene	106	7.899	7.900	-0.001	98	452181	39.3	
85 o-Xylene	106	8.277	8.267	0.011	92	219833	20.1	
86 Styrene	104	8.277	8.278	-0.001	84	362072	20.5	
87 Bromoform	173	8.455	8.456	-0.001	96	72219	17.8	
88 Isopropylbenzene	105	8.608	8.610	-0.002	96	552457	19.9	
89 Cyclohexanone	55	8.703	8.703	0.0	96	125388	61.4	
90 1,1,2,2-Tetrachloroethane	83	8.869	8.870	-0.001	89	134836	20.5	
91 Bromobenzene	156	8.916	8.917	-0.001	84	154452	18.8	
92 1,2,3-Trichloropropane	110	8.928	8.929	-0.001	78	58516	23.0	
93 trans-1,4-Dichloro-2-butene	53	8.928	8.929	-0.001	79	123581	43.8	
94 N-Propylbenzene	120	8.999	9.000	-0.001	98	147023	18.9	
95 2-Chlorotoluene	126	9.093	9.095	-0.001	96	133036	18.5	
96 1,3,5-Trimethylbenzene	105	9.164	9.165	-0.001	83	425920	18.9	
104 4-Chlorotoluene	126	9.200	9.189	0.011	96	135043	18.0	
97 tert-Butylbenzene	119	9.484	9.485	-0.001	89	396686	18.5	
98 1,2,4-Trimethylbenzene	105	9.531	9.532	-0.001	76	431741	19.1	
99 sec-Butylbenzene	105	9.697	9.698	-0.001	93	509510	18.1	
100 1,3-Dichlorobenzene	146	9.815	9.816	-0.001	95	252609	16.6	
101 4-Isopropyltoluene	119	9.839	9.840	-0.001	91	438552	18.6	

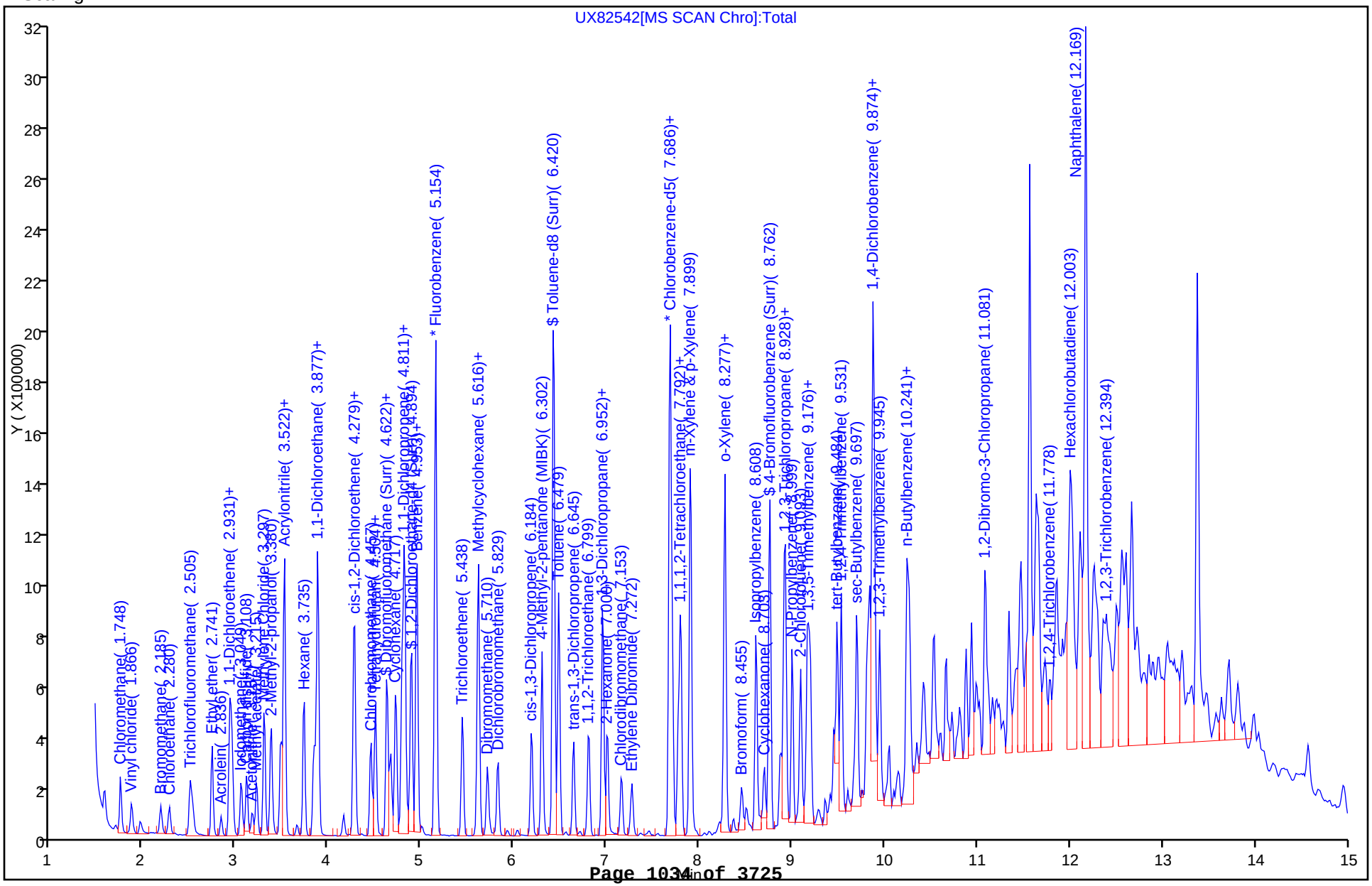
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	9.898	9.899	-0.001	91	256337	16.2	
103 1,2,3-Trimethylbenzene	105	9.945	9.945	0.0	95	426338	18.7	
105 n-Butylbenzene	91	10.241	10.242	-0.001	95	319610	16.4	
106 1,2-Dichlorobenzene	146	10.264	10.266	-0.002	96	236819	16.6	
107 1,2-Dibromo-3-Chloropropane	157	11.021	11.023	-0.002	42	25644	24.2	
109 1,2,4-Trichlorobenzene	180	11.861	11.862	-0.001	92	117291	16.1	
110 Hexachlorobutadiene	225	12.027	12.028	-0.001	59	47500	16.4	
111 Naphthalene	128	12.110	12.111	-0.001	97	346104	20.0	
112 1,2,3-Trichlorobenzene	180	12.358	12.359	-0.001	89	108342	20.7	
S 136 Trihalomethanes, Total	1				0		82.5	
S 11 1,2-Dichloroethene, Total	96				0		44.0	
S 114 Xylenes, Total	106				0		59.4	

Report Date: 20-Dec-2012 03:33:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82542.D		
Injection Date:	17-Dec-2012 05:15:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-044M-0002-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	18
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO MS | Lab Sample ID: 240-18581-5 MS

Matrix: Solid | Lab File ID: UX82545.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 10:50

Sample wt/vol: 5.225(g) | Date Analyzed: 12/17/2012 06:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.3 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	26.8		5.5	1.1	0.61
79-34-5	1,1,2,2-Tetrachloroethane	24.8		5.5	0.55	0.37
79-00-5	1,1,2-Trichloroethane	24.4		5.5	0.55	0.43
75-34-3	1,1-Dichloroethane	26.2		5.5	0.55	0.39
75-35-4	1,1-Dichloroethene	27.2		5.5	1.1	0.57
107-06-2	1,2-Dichloroethane	26.0		5.5	0.55	0.37
540-59-0	1,2-Dichloroethene, Total	50.7		11	1.1	0.84
78-87-5	1,2-Dichloropropane	26.1		5.5	1.1	0.75
78-93-3	2-Butanone (MEK)	56.7		22	2.2	1.5
591-78-6	2-Hexanone	53.5		22	1.1	0.69
108-10-1	4-Methyl-2-pentanone (MIBK)	56.9		22	1.1	0.59
67-64-1	Acetone	88.8		22	6.9	6.9
71-43-2	Benzene	25.2		5.5	0.55	0.25
75-25-2	Bromoform	21.0		5.5	0.55	0.36
74-83-9	Bromomethane	22.0		5.5	1.1	0.59
75-15-0	Carbon disulfide	24.8		5.5	0.55	0.48
56-23-5	Carbon tetrachloride	26.0		5.5	0.55	0.40
108-90-7	Chlorobenzene	22.8		5.5	0.55	0.36
75-27-4	Bromodichloromethane	25.8		5.5	0.55	0.31
74-87-3	Chloromethane	23.8		5.5	0.55	0.45
10061-01-5	cis-1,3-Dichloropropene	24.1		5.5	0.55	0.37
124-48-1	Dibromochloromethane	23.4		5.5	1.1	0.60
100-41-4	Ethylbenzene	24.1		5.5	0.55	0.28
1634-04-4	Methyl tert-butyl ether	27.6		5.5	0.55	0.47
75-09-2	Methylene Chloride	25.1		5.5	1.1	0.73
100-42-5	Styrene	24.9		5.5	0.55	0.16
127-18-4	Tetrachloroethene	24.2		5.5	1.1	0.57
108-88-3	Toluene	26.1		5.5	0.55	0.29
67-66-3	Chloroform	24.7		5.5	0.55	0.32
74-97-5	Bromochloromethane	25.1		5.5	1.1	0.77
106-93-4	1,2-Dibromoethane	25.7		5.5	1.1	0.55
10061-02-6	trans-1,3-Dichloropropene	21.1		5.5	1.1	0.59
79-01-6	Trichloroethene	25.6		5.5	0.55	0.46
75-01-4	Vinyl chloride	21.7		5.5	0.55	0.43
75-00-3	Chloroethane	27.0		5.5	1.1	0.94
1330-20-7	Xylenes, Total	73.9		11	1.6	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO MS Lab Sample ID: 240-18581-5 MS

Matrix: Solid Lab File ID: UX82545.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 10:50

Sample wt/vol: 5.225(g) Date Analyzed: 12/17/2012 06:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.3 Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		61-130
2037-26-5	Toluene-d8 (Surr)	95		85-115
460-00-4	4-Bromofluorobenzene (Surr)	99		85-120
1868-53-7	Dibromofluoromethane (Surr)	98		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82545.D
Lims ID: 240-18581-F-5-A MS Client ID:
Inject. Date: 17-Dec-2012 06:19:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0015896-021
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 20
Lims Batch ID: 68905 Lims Sample ID: 21
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:33:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.158	5.155	0.003	99	1522914	50.0	
* 2 Chlorobenzene-d5	117	7.678	7.686	-0.008	97	1110232	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.874	0.004	99	569542	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.623	0.003	59	372981	49.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.886	4.884	0.002	96	473329	50.1	
$ 7 Toluene-d8 (Surr)	98	6.424	6.421	0.003	94	1329247	47.5	
$ 131 4-Bromofluorobenzene (Surr)	95	8.754	8.763	-0.009	93	474464	49.4	
12 Dichlorodifluoromethane	85	1.574	1.583	-0.009	95	102418	19.2	
13 Chloromethane	50	1.752	1.749	0.003	88	206315	21.8	
14 Vinyl chloride	62	1.870	1.867	0.003	98	115974	19.9	
15 Bromomethane	94	2.189	2.187	0.002	89	66422	20.2	
16 Chloroethane	64	2.284	2.281	0.003	94	88100	24.7	
18 Trichlorofluoromethane	101	2.509	2.506	0.003	95	202376	28.9	
19 Ethyl ether	59	2.733	2.741	-0.008	93	187684	25.0	
20 Acrolein	56	2.840	2.837	0.003	90	76146	44.1	
21 1,1-Dichloroethene	96	2.934	2.932	0.002	95	121538	25.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.946	2.944	0.002	78	112478	25.8	
22 Acetone	43	2.958	2.956	0.002	96	317672	81.4	
24 Iodomethane	142	3.053	3.050	0.003	98	251791	24.2	
26 Carbon disulfide	76	3.112	3.109	0.003	98	327208	22.7	
27 Acetonitrile	41	3.171	3.168	0.003	98	122381	75.8	
28 Methyl acetate	43	3.218	3.216	0.002	98	254880	26.5	
30 Methylene Chloride	84	3.301	3.299	0.002	91	159577	23.0	
31 2-Methyl-2-propanol	59	3.372	3.369	0.003	90	412243	547.4	
32 Acrylonitrile	53	3.479	3.476	0.002	97	306487	77.0	
34 Methyl tert-butyl ether	73	3.514	3.523	-0.009	84	454968	25.3	
33 trans-1,2-Dichloroethene	96	3.526	3.523	0.003	64	144690	23.3	
35 Hexane	86	3.727	3.736	-0.009	95	43728	25.6	
36 1,1-Dichloroethane	63	3.833	3.831	0.002	95	283001	24.0	
37 Vinyl acetate	86	3.857	3.854	0.003	96	26267	19.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	3.881	3.877	0.004	97	141484	25.8	
41 2-Butanone (MEK)	43	4.271	4.268	0.003	95	312037	52.0	
42 cis-1,2-Dichloroethene	96	4.271	4.268	0.003	87	164686	23.2	
43 2,2-Dichloropropane	77	4.283	4.280	0.003	76	120266	25.5	
47 Chlorobromomethane	128	4.448	4.458	-0.010	90	92940	23.0	
48 Tetrahydrofuran	42	4.496	4.493	0.003	90	97423	26.8	
49 Chloroform	83	4.508	4.505	0.003	98	252313	22.6	
50 1,1,1-Trichloroethane	97	4.661	4.659	0.002	93	202786	24.6	
51 Cyclohexane	56	4.721	4.718	0.002	97	326283	25.2	
52 1,1-Dichloropropene	75	4.791	4.789	0.002	92	182719	23.7	
53 Carbon tetrachloride	117	4.803	4.801	0.002	85	180382	23.8	
54 Isobutyl alcohol	41	4.815	4.811	0.004	95	521002	1336.0	
55 Benzene	78	4.945	4.943	0.002	93	551220	23.1	
56 1,2-Dichloroethane	62	4.945	4.943	0.002	61	259346	23.8	
60 Trichloroethene	130	5.442	5.439	0.003	92	170080	23.5	
63 Methylcyclohexane	83	5.608	5.605	0.003	93	247373	24.2	
62 1,2-Dichloropropane	63	5.619	5.617	0.002	82	157222	23.9	
65 Dibromomethane	93	5.714	5.712	0.002	81	91515	23.7	
67 Dichlorobromomethane	83	5.821	5.818	0.003	95	175239	23.7	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.187	6.185	0.002	79	178608	22.1	
71 4-Methyl-2-pentanone (MIBK)	43	6.306	6.303	0.003	97	557092	52.2	
72 Toluene	91	6.483	6.480	0.003	94	656434	23.9	
73 trans-1,3-Dichloropropene	75	6.637	6.646	-0.009	89	157035	19.4	
75 1,1,2-Trichloroethane	97	6.802	6.800	0.002	93	128668	22.4	
77 Tetrachloroethene	164	6.956	6.954	0.002	83	129666	22.2	
76 1,3-Dichloropropane	76	6.956	6.954	0.002	92	212382	22.9	
78 2-Hexanone	43	7.003	7.001	0.002	96	364368	49.1	
79 Chlorodibromomethane	129	7.157	7.155	0.002	87	135685	21.5	
123 Ethylene Dibromide	107	7.275	7.273	0.002	96	133354	23.6	
82 Chlorobenzene	112	7.713	7.711	0.002	90	392439	20.9	
83 1,1,1,2-Tetrachloroethane	131	7.772	7.770	0.002	87	144680	23.9	
84 Ethylbenzene	106	7.796	7.793	0.003	98	209530	22.1	
10 m-Xylene & p-Xylene	106	7.902	7.900	0.002	98	507069	44.6	
85 o-Xylene	106	8.269	8.267	0.003	89	249839	23.1	
86 Styrene	104	8.281	8.278	0.003	88	399299	22.9	
87 Bromoform	173	8.458	8.456	0.002	96	77348	19.2	
88 Isopropylbenzene	105	8.612	8.610	0.002	96	633875	23.1	
89 Cyclohexanone	55	8.695	8.703	-0.008	94	160606	79.6	
90 1,1,2,2-Tetrachloroethane	83	8.872	8.870	0.002	84	150128	22.8	
91 Bromobenzene	156	8.920	8.917	0.003	83	180878	22.0	
92 1,2,3-Trichloropropane	110	8.931	8.929	0.002	80	60801	23.9	
93 trans-1,4-Dichloro-2-butene	53	8.931	8.929	0.002	78	129860	46.0	
94 N-Propylbenzene	120	9.002	9.000	0.002	98	175212	22.5	
95 2-Chlorotoluene	126	9.097	9.095	0.003	97	151721	21.1	
96 1,3,5-Trimethylbenzene	105	9.168	9.165	0.003	94	507040	22.5	
104 4-Chlorotoluene	126	9.192	9.189	0.003	97	157764	21.0	
97 tert-Butylbenzene	119	9.487	9.485	0.002	90	482581	22.5	
98 1,2,4-Trimethylbenzene	105	9.535	9.532	0.003	86	508761	22.5	
99 sec-Butylbenzene	105	9.700	9.698	0.002	94	610335	21.6	
100 1,3-Dichlorobenzene	146	9.819	9.816	0.003	96	303748	20.0	
101 4-Isopropyltoluene	119	9.842	9.840	0.002	92	543171	23.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	9.901	9.899	0.002	93	301018	19.0	
103 1,2,3-Trimethylbenzene	105	9.949	9.945	0.004	90	506911	22.2	
105 n-Butylbenzene	91	10.233	10.242	-0.009	96	402404	20.6	
106 1,2-Dichlorobenzene	146	10.268	10.266	0.002	98	284602	19.9	
107 1,2-Dibromo-3-Chloropropane	157	11.025	11.023	0.002	56	27180	25.6	
109 1,2,4-Trichlorobenzene	180	11.853	11.862	-0.009	94	138358	19.0	
110 Hexachlorobutadiene	225	12.031	12.028	0.003	90	65728	25.5	
111 Naphthalene	128	12.102	12.111	-0.009	97	381630	22.1	
112 1,2,3-Trichlorobenzene	180	12.362	12.359	0.003	96	124824	24.1	
S 136 Trihalomethanes, Total	1				0		87.0	
S 11 1,2-Dichloroethene, Total	96				0		46.5	
S 114 Xylenes, Total	106				0		67.7	

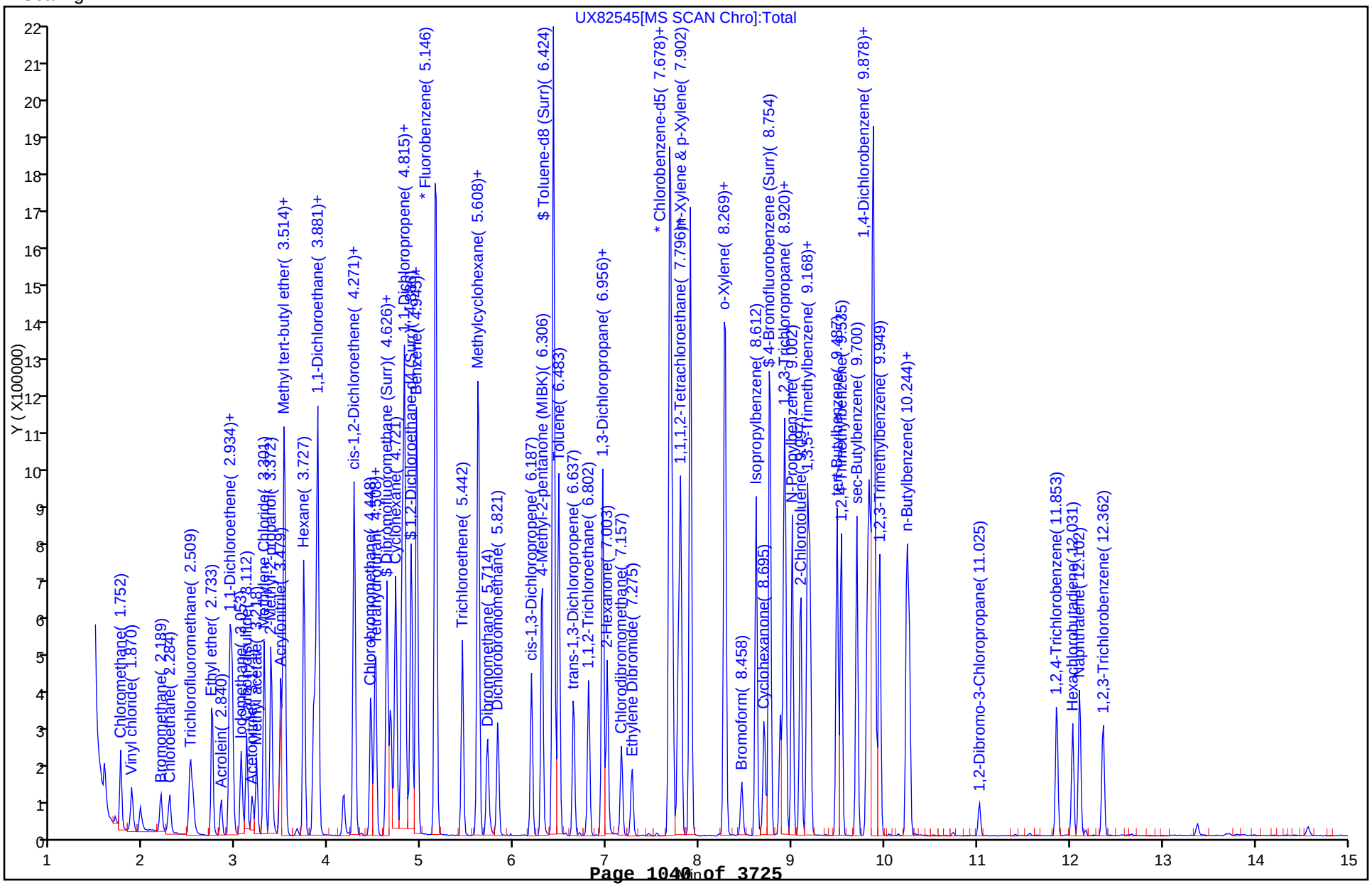
Report Date: 20-Dec-2012 03:33:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82545.D

Injection Date:	17-Dec-2012 06:19:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	21
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MSD | Lab Sample ID: 240-18581-1 MSD

Matrix: Solid | Lab File ID: UX82540.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 11:45

Sample wt/vol: 5.823(g) | Date Analyzed: 12/17/2012 04:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.6 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	27.4		5.3	1.1	0.59
79-34-5	1,1,2,2-Tetrachloroethane	24.0		5.3	0.53	0.36
79-00-5	1,1,2-Trichloroethane	25.9		5.3	0.53	0.41
75-34-3	1,1-Dichloroethane	27.3		5.3	0.53	0.38
75-35-4	1,1-Dichloroethene	28.9		5.3	1.1	0.55
106-93-4	1,2-Dibromoethane	26.1		5.3	1.1	0.53
107-06-2	1,2-Dichloroethane	26.4		5.3	0.53	0.36
540-59-0	1,2-Dichloroethene, Total	52.3		11	1.1	0.81
78-87-5	1,2-Dichloropropane	27.4		5.3	1.1	0.73
78-93-3	2-Butanone (MEK)	55.2		21	2.1	1.5
591-78-6	2-Hexanone	51.8		21	1.1	0.66
108-10-1	4-Methyl-2-pentanone (MIBK)	52.2		21	1.1	0.57
67-64-1	Acetone	73.2		21	6.6	6.6
71-43-2	Benzene	26.7		5.3	0.53	0.24
74-97-5	Bromochloromethane	24.9		5.3	1.1	0.75
75-27-4	Bromodichloromethane	25.8		5.3	0.53	0.30
75-25-2	Bromoform	20.6		5.3	0.53	0.35
74-83-9	Bromomethane	23.0		5.3	1.1	0.57
75-15-0	Carbon disulfide	25.9		5.3	0.53	0.46
56-23-5	Carbon tetrachloride	26.1		5.3	0.53	0.39
108-90-7	Chlorobenzene	24.1		5.3	0.53	0.35
75-00-3	Chloroethane	26.0		5.3	1.1	0.91
67-66-3	Chloroform	25.4		5.3	0.53	0.31
74-87-3	Chloromethane	24.2		5.3	0.53	0.43
10061-01-5	cis-1,3-Dichloropropene	24.9		5.3	0.53	0.36
124-48-1	Dibromochloromethane	23.3		5.3	1.1	0.58
100-41-4	Ethylbenzene	27.3		5.3	0.53	0.27
1634-04-4	Methyl tert-butyl ether	26.9		5.3	0.53	0.45
75-09-2	Methylene Chloride	31.0		5.3	1.1	0.71
100-42-5	Styrene	25.9		5.3	0.53	0.16
127-18-4	Tetrachloroethene	25.0		5.3	1.1	0.55
108-88-3	Toluene	29.2		5.3	0.53	0.28
10061-02-6	trans-1,3-Dichloropropene	21.7		5.3	1.1	0.57
79-01-6	Trichloroethene	26.4		5.3	0.53	0.44
75-01-4	Vinyl chloride	23.1		5.3	0.53	0.41
1330-20-7	Xylenes, Total	88.8		11	1.6	0.71

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MSD Lab Sample ID: 240-18581-1 MSD

Matrix: Solid Lab File ID: UX82540.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 11:45

Sample wt/vol: 5.823(g) Date Analyzed: 12/17/2012 04:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.6 Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		61-130
460-00-4	4-Bromofluorobenzene (Surr)	95		85-120
1868-53-7	Dibromofluoromethane (Surr)	95		59-138
2037-26-5	Toluene-d8 (Surr)	96		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82540.D
Lims ID: 240-18581-H-1-A MSD Client ID: 070SB-0042M-0002-SO
Inject. Date: 17-Dec-2012 04:32:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0015896-016
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 15
Lims Batch ID: 68905 Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:25:34

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.155	5.155	0.0	99	1505054	50.0	
* 2 Chlorobenzene-d5	117	7.686	7.686	0.0	98	1078568	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.874	0.001	99	536306	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.623	0.0	59	359375	47.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.883	4.884	-0.001	97	452492	48.1	
$ 7 Toluene-d8 (Surr)	98	6.421	6.421	0.0	94	1305797	48.1	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.763	0.0	95	446592	47.5	
12 Dichlorodifluoromethane	85	1.571	1.583	-0.012	96	109842	20.9	
13 Chloromethane	50	1.748	1.749	-0.001	100	214384	23.0	
14 Vinyl chloride	62	1.867	1.867	0.0	99	126077	21.9	
15 Bromomethane	94	2.186	2.187	-0.001	90	70937	21.8	
16 Chloroethane	64	2.281	2.281	0.0	94	86719	24.6	
18 Trichlorofluoromethane	101	2.505	2.506	-0.001	97	208812	30.1	
19 Ethyl ether	59	2.742	2.741	0.001	93	186224	25.1	
20 Acrolein	56	2.837	2.837	0.0	94	63009	36.9	
21 1,1-Dichloroethene	96	2.931	2.932	-0.001	95	131895	27.4	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.943	2.944	-0.001	88	122832	28.5	
22 Acetone	43	2.955	2.956	-0.001	96	270682	69.3	
24 Iodomethane	142	3.050	3.050	0.0	98	261017	25.4	
26 Carbon disulfide	76	3.109	3.109	0.0	97	349512	24.6	
27 Acetonitrile	41	3.168	3.168	0.0	99	111959	70.1	
28 Methyl acetate	43	3.215	3.216	-0.001	97	263095	27.7	
30 Methylene Chloride	84	3.298	3.299	-0.001	87	198004	29.4	
31 2-Methyl-2-propanol	59	3.369	3.369	0.0	89	355055	477.1	
32 Acrylonitrile	53	3.475	3.476	-0.001	97	287034	72.9	
34 Methyl tert-butyl ether	73	3.523	3.523	0.0	86	452487	25.5	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.0	68	155274	25.3	
35 Hexane	86	3.736	3.736	0.0	96	41561	24.6	
36 1,1-Dichloroethane	63	3.830	3.831	-0.001	97	301843	25.9	
37 Vinyl acetate	86	3.866	3.854	0.012	94	21831	16.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	3.878	3.877	0.001	98	152194	28.0	
41 2-Butanone (MEK)	43	4.268	4.268	0.0	97	310386	52.3	
42 cis-1,2-Dichloroethene	96	4.268	4.268	0.0	88	169855	24.2	
43 2,2-Dichloropropane	77	4.280	4.280	0.0	75	125320	26.9	
47 Chlorobromomethane	128	4.457	4.458	-0.001	91	94180	23.6	
48 Tetrahydrofuran	42	4.493	4.493	0.0	89	92134	25.7	
49 Chloroform	83	4.504	4.505	-0.001	99	265499	24.1	
50 1,1,1-Trichloroethane	97	4.670	4.659	0.011	93	211650	26.0	
51 Cyclohexane	56	4.717	4.718	-0.001	97	345054	27.0	
52 1,1-Dichloropropene	75	4.788	4.789	-0.001	78	195150	25.7	
53 Carbon tetrachloride	117	4.800	4.801	-0.001	85	185001	24.7	
54 Isobutyl alcohol	41	4.812	4.811	0.001	94	462838	1200.9	
55 Benzene	78	4.954	4.943	0.011	93	595222	25.3	
56 1,2-Dichloroethane	62	4.942	4.943	-0.001	60	269048	25.0	
60 Trichloroethene	130	5.439	5.439	0.0	93	178881	25.0	
63 Methylcyclohexane	83	5.605	5.605	0.0	88	284172	28.1	
62 1,2-Dichloropropane	63	5.616	5.617	-0.001	88	168912	26.0	
65 Dibromomethane	93	5.711	5.712	-0.001	81	95354	25.0	
67 Dichlorobromomethane	83	5.829	5.818	0.011	96	178604	24.4	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.184	6.185	-0.001	78	188533	23.6	
71 4-Methyl-2-pentanone (MIBK)	43	6.302	6.303	-0.001	97	521937	49.5	
72 Toluene	91	6.480	6.480	0.0	97	739117	27.7	
73 trans-1,3-Dichloropropene	75	6.645	6.646	-0.001	90	162091	20.5	
75 1,1,2-Trichloroethane	97	6.799	6.800	-0.001	93	137095	24.5	
77 Tetrachloroethene	164	6.965	6.954	0.011	96	134619	23.7	
76 1,3-Dichloropropane	76	6.953	6.954	-0.001	90	221622	24.6	
78 2-Hexanone	43	7.000	7.001	-0.001	97	353797	49.0	
79 Chlorodibromomethane	129	7.154	7.155	-0.001	87	135651	22.1	
123 Ethylene Dibromide	107	7.272	7.273	-0.001	95	135517	24.7	
82 Chlorobenzene	112	7.710	7.711	-0.001	94	416599	22.8	
83 1,1,1,2-Tetrachloroethane	131	7.769	7.770	-0.001	88	145650	24.8	
84 Ethylbenzene	106	7.805	7.793	0.012	98	238106	25.9	
10 m-Xylene & p-Xylene	106	7.899	7.900	-0.001	98	602533	54.6	
85 o-Xylene	106	8.266	8.267	0.0	91	311207	29.6	
86 Styrene	104	8.278	8.278	0.0	90	416347	24.5	
87 Bromoform	173	8.455	8.456	-0.001	96	76319	19.5	
88 Isopropylbenzene	105	8.609	8.610	-0.001	96	690550	25.9	
89 Cyclohexanone	55	8.704	8.703	0.001	95	158345	80.8	
90 1,1,2,2-Tetrachloroethane	83	8.869	8.870	-0.001	79	141358	22.8	
91 Bromobenzene	156	8.917	8.917	-0.001	83	183483	23.7	
92 1,2,3-Trichloropropane	110	8.928	8.929	-0.001	78	57474	24.0	
93 trans-1,4-Dichloro-2-butene	53	8.928	8.929	-0.001	76	119101	44.8	
94 N-Propylbenzene	120	8.999	9.000	-0.001	97	185634	25.3	
95 2-Chlorotoluene	126	9.094	9.095	0.0	96	151878	22.4	
96 1,3,5-Trimethylbenzene	105	9.165	9.165	0.0	95	613445	28.9	
104 4-Chlorotoluene	126	9.200	9.189	0.011	97	157901	22.3	
97 tert-Butylbenzene	119	9.484	9.485	-0.001	91	492673	24.4	
98 1,2,4-Trimethylbenzene	105	9.532	9.532	0.0	95	993041	46.6	
99 sec-Butylbenzene	105	9.697	9.698	-0.001	94	617734	23.2	
100 1,3-Dichlorobenzene	146	9.815	9.816	-0.001	78	304279	21.2	
101 4-Isopropyltoluene	119	9.839	9.840	-0.001	91	575952	25.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	9.898	9.899	-0.001	92	299586	20.1	
103 1,2,3-Trimethylbenzene	105	9.946	9.945	0.001	91	733823	34.2	
105 n-Butylbenzene	91	10.241	10.242	-0.001	96	426300	23.2	
106 1,2-Dichlorobenzene	146	10.265	10.266	-0.001	97	278151	20.7	
107 1,2-Dibromo-3-Chloropropane	157	11.022	11.023	-0.001	61	27233	27.3	
109 1,2,4-Trichlorobenzene	180	11.862	11.862	0.0	93	149470	21.8	
110 Hexachlorobutadiene	225	12.027	12.028	-0.001	89	56921	22.9	
111 Naphthalene	128	12.110	12.111	-0.001	97	1036680	63.6	
112 1,2,3-Trichlorobenzene	180	12.359	12.359	0.0	95	132655	27.5	
S 136 Trihalomethanes, Total	1				0		90.1	
S 11 1,2-Dichloroethene, Total	96				0		49.5	
S 114 Xylenes, Total	106				0		84.1	

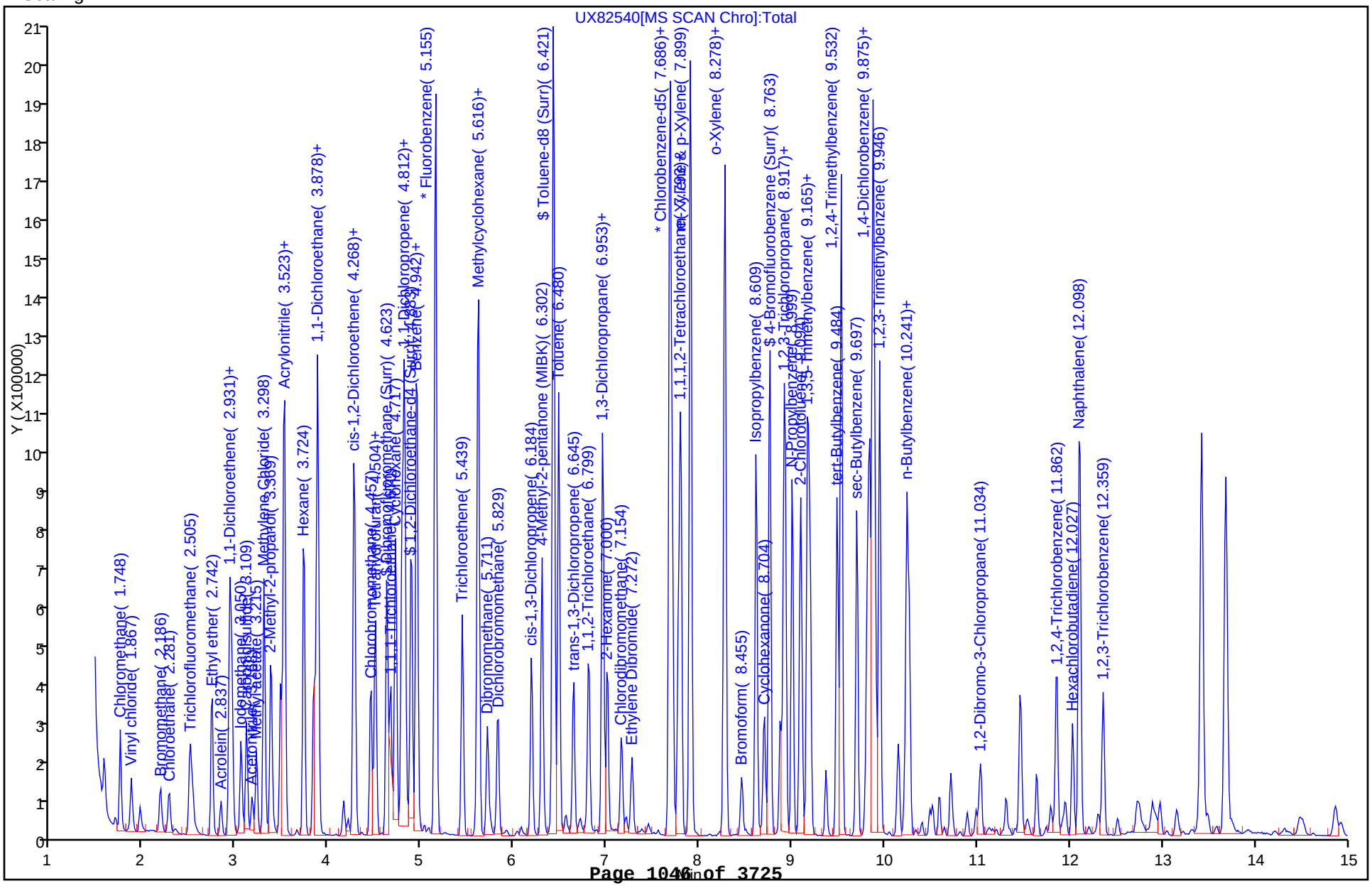
Report Date: 20-Dec-2012 03:33:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82540.D

Injection Date:	17-Dec-2012 04:32:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	16
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MSD | Lab Sample ID: 240-18581-3 MSD

Matrix: Solid | Lab File ID: UX82543.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 11:15

Sample wt/vol: 6.004(g) | Date Analyzed: 12/17/2012 05:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.7 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	28.2		5.2	1.0	0.58
79-34-5	1,1,2,2-Tetrachloroethane	37.9	J	5.2	0.52	0.35
79-00-5	1,1,2-Trichloroethane	30.7		5.2	0.52	0.40
75-34-3	1,1-Dichloroethane	27.8		5.2	0.52	0.37
75-35-4	1,1-Dichloroethene	29.5		5.2	1.0	0.54
107-06-2	1,2-Dichloroethane	26.6		5.2	0.52	0.35
540-59-0	1,2-Dichloroethene, Total	54.0		10	1.0	0.80
78-87-5	1,2-Dichloropropane	25.7		5.2	1.0	0.72
78-93-3	2-Butanone (MEK)	56.0		21	2.1	1.5
591-78-6	2-Hexanone	61.4		21	1.0	0.65
108-10-1	4-Methyl-2-pentanone (MIBK)	52.5		21	1.0	0.56
67-64-1	Acetone	76.4		21	6.5	6.5
71-43-2	Benzene	26.7		5.2	0.52	0.24
75-25-2	Bromoform	19.2		5.2	0.52	0.34
74-83-9	Bromomethane	23.6		5.2	1.0	0.56
75-15-0	Carbon disulfide	26.6		5.2	0.52	0.46
56-23-5	Carbon tetrachloride	24.6		5.2	0.52	0.38
108-90-7	Chlorobenzene	24.7		5.2	0.52	0.34
75-27-4	Bromodichloromethane	25.7		5.2	0.52	0.29
74-87-3	Chloromethane	24.2		5.2	0.52	0.43
10061-01-5	cis-1,3-Dichloropropene	23.7		5.2	0.52	0.35
124-48-1	Dibromochloromethane	24.8		5.2	1.0	0.57
100-41-4	Ethylbenzene	24.9		5.2	0.52	0.27
1634-04-4	Methyl tert-butyl ether	27.2		5.2	0.52	0.45
75-09-2	Methylene Chloride	27.2		5.2	1.0	0.70
100-42-5	Styrene	23.9		5.2	0.52	0.16
127-18-4	Tetrachloroethene	24.7		5.2	1.0	0.54
108-88-3	Toluene	30.7		5.2	0.52	0.28
67-66-3	Chloroform	25.5		5.2	0.52	0.30
74-97-5	Bromochloromethane	25.5		5.2	1.0	0.74
106-93-4	1,2-Dibromoethane	28.1		5.2	1.0	0.52
10061-02-6	trans-1,3-Dichloropropene	24.0		5.2	1.0	0.56
79-01-6	Trichloroethene	26.7		5.2	0.52	0.44
75-01-4	Vinyl chloride	22.5		5.2	0.52	0.40
75-00-3	Chloroethane	28.7		5.2	1.0	0.89
1330-20-7	Xylenes, Total	71.5		10	1.6	0.70

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MSD Lab Sample ID: 240-18581-3 MSD

Matrix: Solid Lab File ID: UX82543.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 11:15

Sample wt/vol: 6.004(g) Date Analyzed: 12/17/2012 05:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.7 Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		61-130
2037-26-5	Toluene-d8 (Surr)	102		85-115
460-00-4	4-Bromofluorobenzene (Surr)	72	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	92		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82543.D
Lims ID: 240-18581-H-3-A MSD Client ID: 070SB-044M-0002-SO
Inject. Date: 17-Dec-2012 05:36:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0015896-019
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 18
Lims Batch ID: 68905 Lims Sample ID: 19
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:30:38

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.155	5.155	0.0	99	1473622	50.0	
* 2 Chlorobenzene-d5	117	7.686	7.686	0.0	97	899406	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.875	9.874	0.001	99	257297	50.0	s
$ 5 Dibromofluoromethane (Surr)	113	4.623	4.623	0.0	58	343615	46.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.895	4.884	0.011	97	421866	45.2	
$ 7 Toluene-d8 (Surr)	98	6.421	6.421	0.0	94	1145663	51.1	
$ 131 4-Bromofluorobenzene (Surr)	95	8.763	8.763	0.0	92	299629	36.0	
12 Dichlorodifluoromethane	85	1.571	1.583	-0.012	96	111202	21.6	
13 Chloromethane	50	1.749	1.749	-0.001	100	213357	23.3	
14 Vinyl chloride	62	1.867	1.867	0.0	99	122774	21.7	
15 Bromomethane	94	2.186	2.187	-0.001	89	72389	22.7	
16 Chloroethane	64	2.281	2.281	0.0	95	95296	27.7	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	96	193348	28.5	
19 Ethyl ether	59	2.742	2.741	0.001	93	190611	26.2	
20 Acrolein	56	2.837	2.837	0.0	84	35172	21.1	
21 1,1-Dichloroethene	96	2.931	2.932	-0.001	96	134008	28.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.943	2.944	-0.001	80	111522	26.4	
22 Acetone	43	2.955	2.956	-0.001	95	280251	73.7	
24 Iodomethane	142	3.050	3.050	0.0	98	265662	26.4	
26 Carbon disulfide	76	3.109	3.109	0.0	97	357431	25.7	
27 Acetonitrile	41	3.168	3.168	0.0	100	116935	74.8	
28 Methyl acetate	43	3.215	3.216	-0.001	97	263694	28.3	
30 Methylene Chloride	84	3.298	3.299	-0.001	91	174416	26.2	
31 2-Methyl-2-propanol	59	3.381	3.369	0.012	93	363976	499.5	
32 Acrylonitrile	53	3.475	3.476	-0.001	97	290223	75.3	
34 Methyl tert-butyl ether	73	3.523	3.523	0.0	86	456378	26.2	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.0	68	156917	26.1	
35 Hexane	86	3.736	3.736	0.0	96	32496	19.6	
36 1,1-Dichloroethane	63	3.830	3.831	-0.001	96	305807	26.8	
37 Vinyl acetate	86	3.866	3.854	0.012	94	16115	12.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	3.878	3.877	0.001	98	152569	28.7	
41 2-Butanone (MEK)	43	4.268	4.268	0.0	95	313790	54.0	
42 cis-1,2-Dichloroethene	96	4.268	4.268	0.0	88	178010	25.9	
43 2,2-Dichloropropane	77	4.280	4.280	0.0	74	132801	29.1	
47 Chlorobromomethane	128	4.457	4.458	-0.001	91	96273	24.6	
48 Tetrahydrofuran	42	4.493	4.493	0.0	88	94304	26.8	
49 Chloroform	83	4.505	4.505	0.0	88	265398	24.6	
50 1,1,1-Trichloroethane	97	4.670	4.659	0.011	93	216723	27.2	
51 Cyclohexane	56	4.717	4.718	-0.001	95	309927	24.8	
52 1,1-Dichloropropene	75	4.788	4.789	-0.001	83	189543	25.5	
53 Carbon tetrachloride	117	4.800	4.801	-0.001	88	173288	23.7	
54 Isobutyl alcohol	41	4.812	4.811	0.001	92	476714	1263.3	
55 Benzene	78	4.954	4.943	0.011	93	594063	25.8	
56 1,2-Dichloroethane	62	4.942	4.943	-0.001	61	270524	25.7	
60 Trichloroethene	130	5.439	5.439	0.0	93	180540	25.8	
63 Methylcyclohexane	83	5.605	5.605	0.0	85	185009	18.7	
62 1,2-Dichloropropane	63	5.616	5.617	-0.001	80	157643	24.8	
65 Dibromomethane	93	5.711	5.712	-0.001	81	92842	24.9	
67 Dichlorobromomethane	83	5.829	5.818	0.011	95	177585	24.8	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.184	6.185	-0.001	80	178990	22.9	
71 4-Methyl-2-pentanone (MIBK)	43	6.302	6.303	-0.001	97	523252	50.7	
72 Toluene	91	6.480	6.480	0.0	96	658940	29.6	
73 trans-1,3-Dichloropropene	75	6.646	6.646	0.0	91	152971	23.1	
75 1,1,2-Trichloroethane	97	6.811	6.800	0.011	83	138051	29.6	
77 Tetrachloroethene	164	6.965	6.954	0.011	94	112796	23.8	
76 1,3-Dichloropropane	76	6.953	6.954	-0.001	91	203831	27.1	
78 2-Hexanone	43	7.000	7.001	-0.001	97	356216	59.2	
79 Chlorodibromomethane	129	7.154	7.155	-0.001	88	122362	23.9	
123 Ethylene Dibromide	107	7.272	7.273	-0.001	97	123865	27.1	
82 Chlorobenzene	112	7.710	7.711	-0.001	93	362249	23.8	
83 1,1,1,2-Tetrachloroethane	131	7.769	7.770	-0.001	81	131714	26.9	
84 Ethylbenzene	106	7.793	7.793	0.0	98	184433	24.0	
10 m-Xylene & p-Xylene	106	7.899	7.900	-0.001	98	423653	46.0	
85 o-Xylene	106	8.266	8.267	0.0	88	201138	22.9	
86 Styrene	104	8.278	8.278	0.0	87	326299	23.1	
87 Bromoform	173	8.455	8.456	-0.001	96	60070	18.5	
88 Isopropylbenzene	105	8.609	8.610	-0.001	95	505086	22.7	
89 Cyclohexanone	55	8.704	8.703	0.001	90	177692	108.7	
90 1,1,2,2-Tetrachloroethane	83	8.869	8.870	-0.001	95	108981	36.6	
91 Bromobenzene	156	8.917	8.917	0.0	88	131743	35.4	
92 1,2,3-Trichloropropane	110	8.928	8.929	-0.001	69	56409	49.0	
93 trans-1,4-Dichloro-2-butene	53	8.928	8.929	-0.001	73	117076	91.8	
94 N-Propylbenzene	120	8.999	9.000	-0.001	97	126786	36.0	
95 2-Chlorotoluene	126	9.094	9.095	0.0	94	108282	33.3	
96 1,3,5-Trimethylbenzene	105	9.165	9.165	0.0	86	322300	31.6	
104 4-Chlorotoluene	126	9.200	9.189	0.011	96	107442	31.6	
97 tert-Butylbenzene	119	9.484	9.485	-0.001	88	402349	41.5	
98 1,2,4-Trimethylbenzene	105	9.532	9.532	0.0	77	307242	30.1	
99 sec-Butylbenzene	105	9.697	9.698	-0.001	93	522139	40.9	
100 1,3-Dichlorobenzene	146	9.816	9.816	0.0	91	171967	25.0	
101 4-Isopropyltoluene	119	9.839	9.840	-0.001	89	325547	30.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	9.898	9.899	-0.001	88	176932	24.7	
103 1,2,3-Trimethylbenzene	105	9.946	9.945	0.001	92	294066	28.5	
105 n-Butylbenzene	91	10.241	10.242	-0.001	87	270944	30.7	
106 1,2-Dichlorobenzene	146	10.265	10.266	-0.001	92	152295	23.6	
107 1,2-Dibromo-3-Chloropropane	157	11.022	11.023	-0.001	24	19364	40.4	
109 1,2,4-Trichlorobenzene	180	11.862	11.862	0.0	43	50542	15.3	
110 Hexachlorobutadiene	225	12.039	12.028	0.011	23	35242	31.4	
111 Naphthalene	128	12.110	12.111	-0.001	88	184127	23.6	
112 1,2,3-Trichlorobenzene	180	12.371	12.359	0.012	25	59907	25.8	
S 136 Trihalomethanes, Total	1				0		91.8	
S 11 1,2-Dichloroethene, Total	96				0		52.0	
S 114 Xylenes, Total	106				0		68.9	

QC Flag Legend

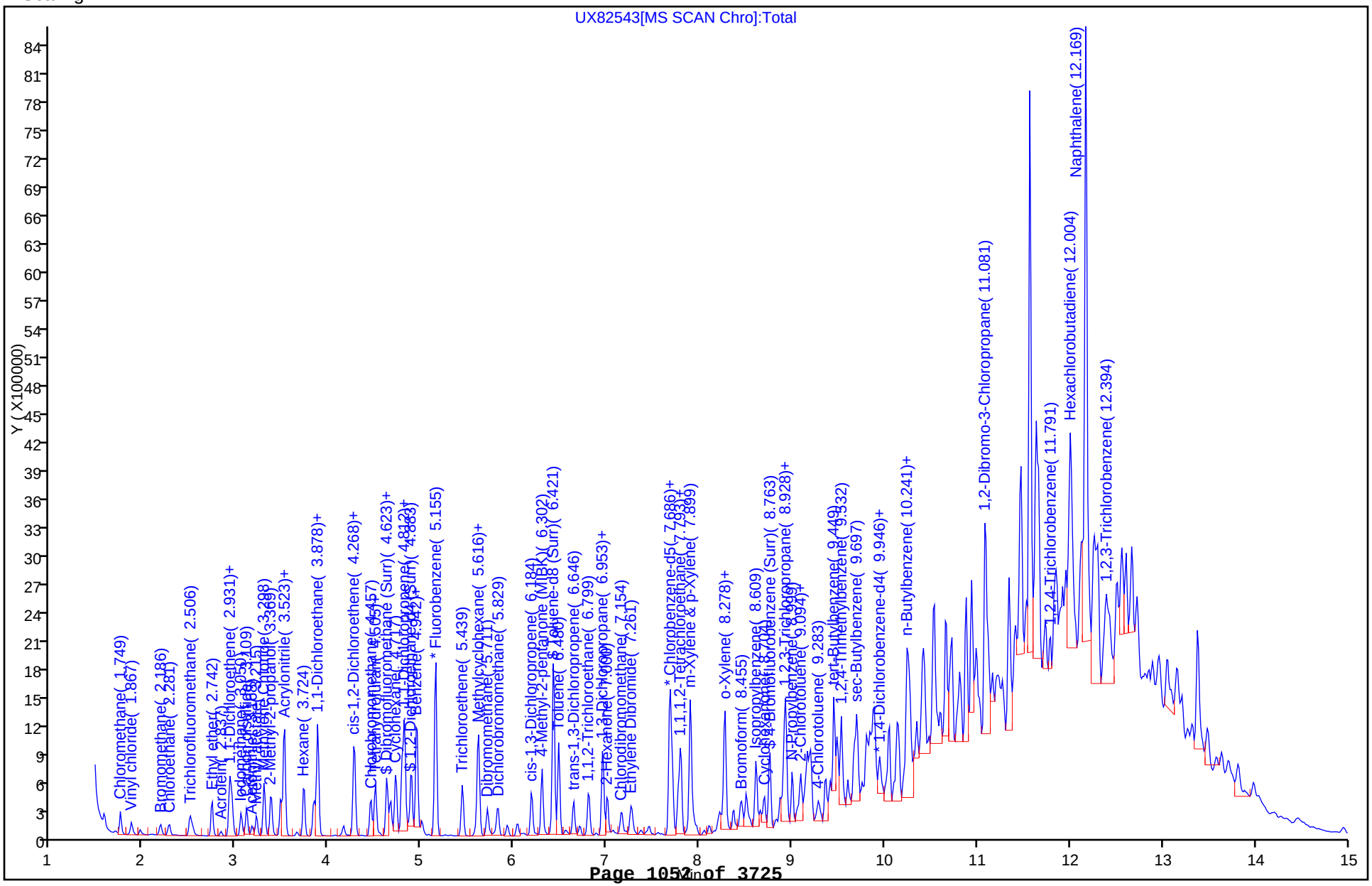
Processing Flags
s - Failed ISTD Recovery Test

Report Date: 20-Dec-2012 03:33:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82543.D		
Injection Date:	17-Dec-2012 05:36:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	070SB-044M-0002-SO	Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	19
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO MSD | Lab Sample ID: 240-18581-5 MSD

Matrix: Solid | Lab File ID: UX82546.D

Analysis Method: 8260B/DoD | Date Collected: 12/07/2012 10:50

Sample wt/vol: 5.951(g) | Date Analyzed: 12/17/2012 06:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.3 | Level: (low/med) Low

Analysis Batch No.: 68905 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	23.9		4.8	0.96	0.54
79-34-5	1,1,2,2-Tetrachloroethane	20.9		4.8	0.48	0.33
79-00-5	1,1,2-Trichloroethane	21.0		4.8	0.48	0.37
75-34-3	1,1-Dichloroethane	23.8		4.8	0.48	0.34
75-35-4	1,1-Dichloroethene	24.9		4.8	0.96	0.50
107-06-2	1,2-Dichloroethane	22.8		4.8	0.48	0.33
540-59-0	1,2-Dichloroethene, Total	45.0		9.6	0.96	0.74
78-87-5	1,2-Dichloropropane	23.8		4.8	0.96	0.66
78-93-3	2-Butanone (MEK)	45.3		19	1.9	1.3
591-78-6	2-Hexanone	45.0		19	0.96	0.60
108-10-1	4-Methyl-2-pentanone (MIBK)	45.3		19	0.96	0.52
67-64-1	Acetone	64.1	J	19	6.0	6.0
71-43-2	Benzene	22.6		4.8	0.48	0.22
75-25-2	Bromoform	18.0		4.8	0.48	0.32
74-83-9	Bromomethane	20.8		4.8	0.96	0.52
75-15-0	Carbon disulfide	22.3		4.8	0.48	0.42
56-23-5	Carbon tetrachloride	23.5		4.8	0.48	0.35
108-90-7	Chlorobenzene	21.1		4.8	0.48	0.32
75-27-4	Bromodichloromethane	22.8		4.8	0.48	0.27
74-87-3	Chloromethane	22.4		4.8	0.48	0.39
10061-01-5	cis-1,3-Dichloropropene	22.2		4.8	0.48	0.33
124-48-1	Dibromochloromethane	21.0		4.8	0.96	0.53
100-41-4	Ethylbenzene	21.2		4.8	0.48	0.25
1634-04-4	Methyl tert-butyl ether	24.1		4.8	0.48	0.41
75-09-2	Methylene Chloride	25.6		4.8	0.96	0.64
100-42-5	Styrene	22.7		4.8	0.48	0.14
127-18-4	Tetrachloroethene	21.2		4.8	0.96	0.50
108-88-3	Toluene	23.3		4.8	0.48	0.26
67-66-3	Chloroform	22.0		4.8	0.48	0.28
74-97-5	Bromochloromethane	21.9		4.8	0.96	0.68
106-93-4	1,2-Dibromoethane	22.7		4.8	0.96	0.48
10061-02-6	trans-1,3-Dichloropropene	19.2		4.8	0.96	0.52
79-01-6	Trichloroethene	23.3		4.8	0.48	0.40
75-01-4	Vinyl chloride	20.5		4.8	0.48	0.37
75-00-3	Chloroethane	24.6		4.8	0.96	0.82
1330-20-7	Xylenes, Total	65.9		9.6	1.4	0.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO MSD Lab Sample ID: 240-18581-5 MSD

Matrix: Solid Lab File ID: UX82546.D

Analysis Method: 8260B/DoD Date Collected: 12/07/2012 10:50

Sample wt/vol: 5.951(g) Date Analyzed: 12/17/2012 06:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.3 Level: (low/med) Low

Analysis Batch No.: 68905 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		61-130
2037-26-5	Toluene-d8 (Surr)	89		85-115
460-00-4	4-Bromofluorobenzene (Surr)	94		85-120
1868-53-7	Dibromofluoromethane (Surr)	92		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82546.D
Lims ID: 240-18581-H-5-A MSD Client ID:
Inject. Date: 17-Dec-2012 06:40:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0015896-022
Misc. Info.: M21216A,8260SUX8,,402279 =M21216A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 21
Lims Batch ID: 68905 Lims Sample ID: 22
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\8260_8.m
Last Update: 20-Dec-2012 03:33:06 Calib Date: 15-Dec-2012 00:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20121214-15873.b\UX82463.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK025

First Level Reviewer: latat Date: 17-Dec-2012 21:36:10

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.157	5.155	0.002	99	1596057	50.0	
* 2 Chlorobenzene-d5	117	7.688	7.686	0.002	97	1162033	50.0	
* 3 1,4-Dichlorobenzene-d4	152	9.876	9.874	0.002	98	589711	50.0	
$ 5 Dibromofluoromethane (Surr)	113	4.625	4.623	0.002	58	370437	45.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.885	4.884	0.001	88	458242	45.4	
$ 7 Toluene-d8 (Surr)	98	6.423	6.421	0.002	94	1319872	44.5	
$ 131 4-Bromofluorobenzene (Surr)	95	8.753	8.763	-0.010	93	475410	46.8	
12 Dichlorodifluoromethane	85	1.573	1.583	-0.010	96	112370	20.1	
13 Chloromethane	50	1.750	1.749	0.001	99	232047	23.4	
14 Vinyl chloride	62	1.869	1.867	0.002	99	130932	21.4	
15 Bromomethane	94	2.188	2.187	0.001	91	74930	21.7	
16 Chloroethane	64	2.271	2.281	-0.010	94	96000	25.7	
18 Trichlorofluoromethane	101	2.507	2.506	0.001	97	212170	28.9	
19 Ethyl ether	59	2.744	2.741	0.003	94	197130	25.0	
20 Acrolein	56	2.839	2.837	0.001	90	65015	35.9	
21 1,1-Dichloroethene	96	2.933	2.932	0.001	95	132870	26.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.945	2.944	0.001	88	128679	28.1	
22 Acetone	43	2.957	2.956	0.001	96	277890	66.9	
24 Iodomethane	142	3.051	3.050	0.001	98	271830	24.9	
26 Carbon disulfide	76	3.111	3.109	0.002	98	350408	23.2	
27 Acetonitrile	41	3.170	3.168	0.002	98	112641	66.5	
28 Methyl acetate	43	3.217	3.216	0.001	98	252330	25.0	
30 Methylene Chloride	84	3.300	3.299	0.001	91	192029	26.7	
31 2-Methyl-2-propanol	59	3.371	3.369	0.002	90	372002	471.3	
32 Acrylonitrile	53	3.477	3.476	0.001	97	294532	70.6	
34 Methyl tert-butyl ether	73	3.513	3.523	-0.010	85	473924	25.1	
33 trans-1,2-Dichloroethene	96	3.525	3.523	0.002	67	154277	23.7	
35 Hexane	86	3.737	3.736	0.001	96	45405	25.3	
36 1,1-Dichloroethane	63	3.832	3.831	0.001	95	307344	24.8	
37 Vinyl acetate	86	3.856	3.854	0.002	96	24295	16.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	3.879	3.877	0.002	98	155585	27.0	
41 2-Butanone (MEK)	43	4.270	4.268	0.002	96	297440	47.3	
42 cis-1,2-Dichloroethene	96	4.270	4.268	0.002	88	173323	23.3	
43 2,2-Dichloropropane	77	4.282	4.280	0.002	78	140088	28.3	
47 Chlorobromomethane	128	4.459	4.458	0.001	91	96784	22.8	
48 Tetrahydrofuran	42	4.494	4.493	0.001	89	91363	24.0	
49 Chloroform	83	4.506	4.505	0.001	98	269000	23.0	
50 1,1,1-Trichloroethane	97	4.672	4.659	0.013	89	215976	25.0	
51 Cyclohexane	56	4.719	4.718	0.001	96	350450	25.9	
52 1,1-Dichloropropene	75	4.790	4.789	0.001	80	191984	23.8	
53 Carbon tetrachloride	117	4.802	4.801	0.001	86	194232	24.5	
54 Isobutyl alcohol	41	4.814	4.811	0.003	94	476224	1165.2	
55 Benzene	78	4.944	4.943	0.001	92	590314	23.6	
56 1,2-Dichloroethane	62	4.944	4.943	0.001	64	271775	23.8	
60 Trichloroethene	130	5.441	5.439	0.002	92	184342	24.3	
63 Methylcyclohexane	83	5.606	5.605	0.001	93	258101	24.1	
62 1,2-Dichloropropane	63	5.618	5.617	0.001	87	171130	24.8	
65 Dibromomethane	93	5.713	5.712	0.001	80	97940	24.2	
67 Dichlorobromomethane	83	5.819	5.818	0.001	95	184599	23.8	
69 2-Chloroethyl vinyl ether	63		6.045					
70 cis-1,3-Dichloropropene	75	6.186	6.185	0.001	79	196895	23.2	
71 4-Methyl-2-pentanone (MIBK)	43	6.304	6.303	0.001	98	529741	47.3	
72 Toluene	91	6.482	6.480	0.002	94	700551	24.4	
73 trans-1,3-Dichloropropene	75	6.647	6.646	0.001	91	170042	20.0	
75 1,1,2-Trichloroethane	97	6.801	6.800	0.001	96	132167	21.9	
77 Tetrachloroethene	164	6.955	6.954	0.001	80	135077	22.1	
76 1,3-Dichloropropane	76	6.955	6.954	0.001	90	225335	23.2	
78 2-Hexanone	43	7.002	7.001	0.001	97	365556	47.0	
79 Chlorodibromomethane	129	7.156	7.155	0.001	90	144863	21.9	
123 Ethylene Dibromide	107	7.274	7.273	0.001	98	139997	23.7	
82 Chlorobenzene	112	7.712	7.711	0.001	94	434362	22.1	
83 1,1,1,2-Tetrachloroethane	131	7.771	7.770	0.001	89	149165	23.6	
84 Ethylbenzene	106	7.795	7.793	0.002	98	219284	22.1	
10 m-Xylene & p-Xylene	106	7.901	7.900	0.001	98	535243	45.0	
85 o-Xylene	106	8.268	8.267	0.002	88	269944	23.8	
86 Styrene	104	8.280	8.278	0.002	90	433467	23.7	
87 Bromoform	173	8.457	8.456	0.001	97	79170	18.8	
88 Isopropylbenzene	105	8.611	8.610	0.001	96	667717	23.2	
89 Cyclohexanone	55	8.694	8.703	-0.009	95	165846	78.5	
90 1,1,2,2-Tetrachloroethane	83	8.871	8.870	0.001	86	149380	21.9	
91 Bromobenzene	156	8.918	8.917	0.001	81	187599	22.0	
92 1,2,3-Trichloropropane	110	8.930	8.929	0.001	85	59003	22.4	
93 trans-1,4-Dichloro-2-butene	53	8.930	8.929	0.001	79	126546	43.3	
94 N-Propylbenzene	120	9.001	9.000	0.001	97	186109	23.1	
95 2-Chlorotoluene	126	9.096	9.095	0.002	97	162193	21.8	
96 1,3,5-Trimethylbenzene	105	9.167	9.165	0.002	85	522557	22.4	
104 4-Chlorotoluene	126	9.190	9.189	0.001	97	164441	21.1	
97 tert-Butylbenzene	119	9.486	9.485	0.001	91	499555	22.5	
98 1,2,4-Trimethylbenzene	105	9.533	9.532	0.001	77	533125	22.8	
99 sec-Butylbenzene	105	9.699	9.698	0.001	94	629962	21.5	
100 1,3-Dichlorobenzene	146	9.817	9.816	0.001	91	330822	21.0	
101 4-Isopropyltoluene	119	9.841	9.840	0.001	91	558611	22.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	9.900	9.899	0.001	94	327392	19.9	
103 1,2,3-Trimethylbenzene	105	9.947	9.945	0.002	89	536662	22.7	
105 n-Butylbenzene	91	10.243	10.242	0.001	96	416653	20.6	
106 1,2-Dichlorobenzene	146	10.267	10.266	0.001	98	302213	20.4	
107 1,2-Dibromo-3-Chloropropane	157	11.024	11.023	0.001	61	24727	22.5	
109 1,2,4-Trichlorobenzene	180	11.864	11.862	0.002	94	146180	19.4	
110 Hexachlorobutadiene	225	12.029	12.028	0.001	92	61588	22.5	
111 Naphthalene	128	12.100	12.111	-0.011	96	367353	20.5	
112 1,2,3-Trichlorobenzene	180	12.360	12.359	0.001	95	121919	22.6	
S 136 Trihalomethanes, Total	1				0		87.5	
S 11 1,2-Dichloroethene, Total	96				0		47.0	
S 114 Xylenes, Total	106				0		68.8	

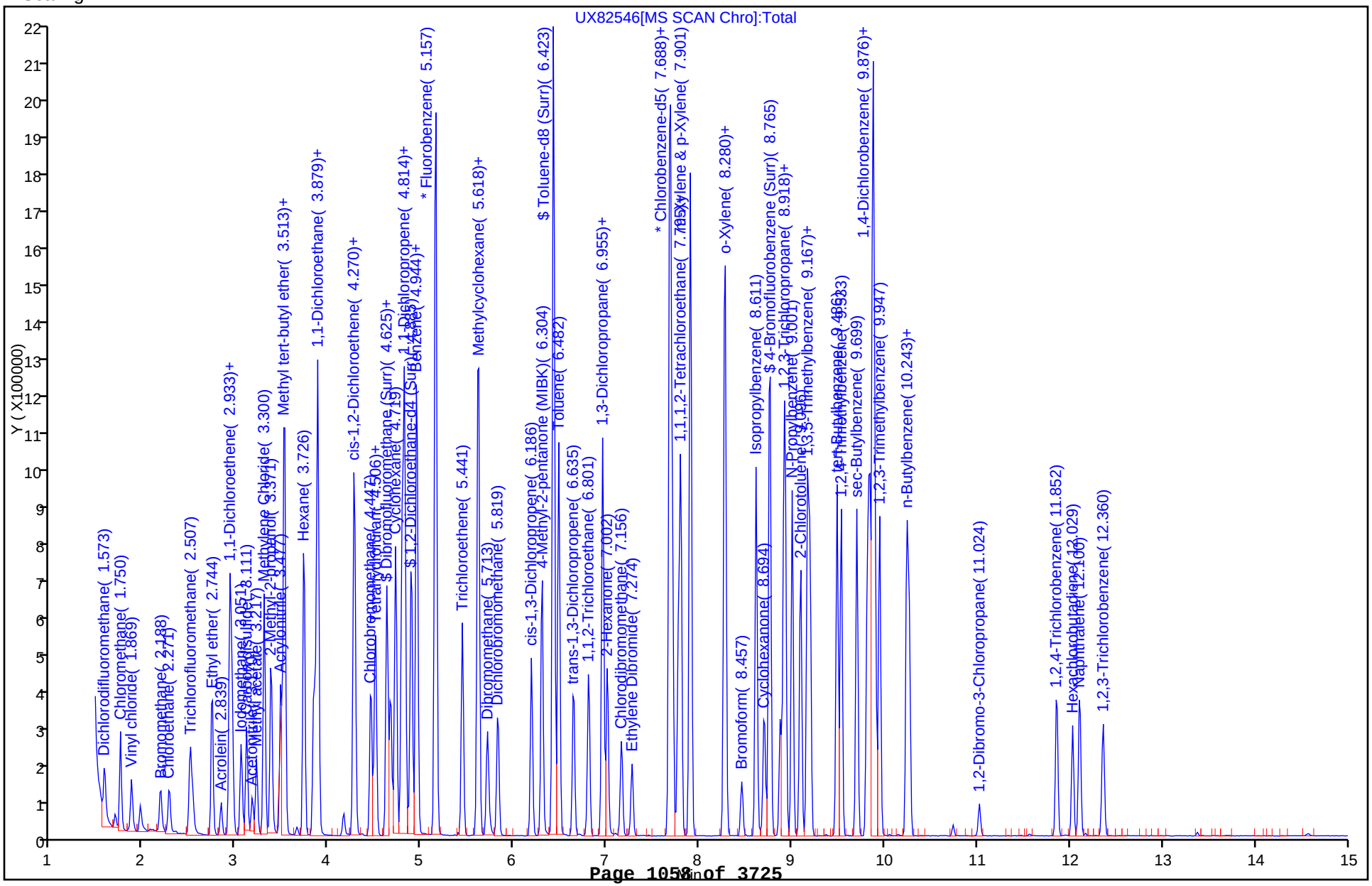
Report Date: 20-Dec-2012 03:33:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20121216-15896.b\UX82546.D

Injection Date:	17-Dec-2012 06:40:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX8
Lims Batch ID:	68905	Lims Sample ID:	22
Operator ID:	402279	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A3UX11 Start Date: 12/11/2012 11:08

Analysis Batch Number: 68124 End Date: 12/11/2012 22:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-68124/1		12/11/2012 11:08	1	BFB030F.D	DB-624 0.18(mm)
STD8260 240-68124/2 IC		12/11/2012 11:39	1	UXJ8935.D	DB-624 0.18(mm)
STD8260 240-68124/3 IC		12/11/2012 12:01	1	UXJ8936.D	DB-624 0.18(mm)
STD8260 240-68124/4 ICIS		12/11/2012 12:24	1	UXJ8937.D	DB-624 0.18(mm)
STD8260 240-68124/5 IC		12/11/2012 12:47	1	UXJ8938.D	DB-624 0.18(mm)
STD8260 240-68124/6 IC		12/11/2012 13:09	1	UXJ8939.D	DB-624 0.18(mm)
STD8260 240-68124/7 IC		12/11/2012 13:32	1	UXJ8940.D	DB-624 0.18(mm)
STD6 240-68124/8 IC		12/11/2012 13:55	1		DB-624 0.18(mm)
STD5 240-68124/9 IC		12/11/2012 14:17	1		DB-624 0.18(mm)
STD4 240-68124/10 IC		12/11/2012 14:40	1		DB-624 0.18(mm)
STD3 240-68124/11 IC		12/11/2012 15:02	1		DB-624 0.18(mm)
STD2 240-68124/12 IC		12/11/2012 15:25	1		DB-624 0.18(mm)
STD1 240-68124/13 IC		12/11/2012 15:48	1		DB-624 0.18(mm)
ICV 240-68124/14		12/11/2012 16:10	1	UXJ8947.D	DB-624 0.18(mm)
CCV 240-68124/15		12/11/2012 16:33	1		DB-624 0.18(mm)
ZZZZZ		12/11/2012 16:55	1		DB-624 0.18(mm)
ZZZZZ		12/11/2012 17:40	1		DB-624 0.18(mm)
ZZZZZ		12/11/2012 18:03	1000		DB-624 0.18(mm)
ZZZZZ		12/11/2012 22:31	1000		DB-624 0.18(mm)
ZZZZZ		12/11/2012 22:54	1000		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A3UX11 Start Date: 12/12/2012 10:59

Analysis Batch Number: 68395 End Date: 12/12/2012 20:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-68395/1		12/12/2012 10:59	1	BFB031C.D	DB-624 0.18(mm)
CCV 240-68395/3		12/12/2012 12:07	1	UXJ8967.D	DB-624 0.18(mm)
CCV 240-68395/2		12/12/2012 12:30	1	UXJ8968.D	DB-624 0.18(mm)
MRL 240-68395/4		12/12/2012 12:52	1	UXJ8969.D	DB-624 0.18(mm)
LCS 240-68395/5		12/12/2012 13:15	1	UXJ8970.D	DB-624 0.18(mm)
MB 240-68395/6		12/12/2012 14:01	1	UXJ8972.D	DB-624 0.18(mm)
ZZZZZ		12/12/2012 14:23	1		DB-624 0.18(mm)
ZZZZZ		12/12/2012 14:46	1		DB-624 0.18(mm)
ZZZZZ		12/12/2012 15:09	1		DB-624 0.18(mm)
ZZZZZ		12/12/2012 15:32	1		DB-624 0.18(mm)
ZZZZZ		12/12/2012 15:55	1		DB-624 0.18(mm)
ZZZZZ		12/12/2012 16:17	1		DB-624 0.18(mm)
ZZZZZ		12/12/2012 16:40	1		DB-624 0.18(mm)
ZZZZZ		12/12/2012 17:03	1		DB-624 0.18(mm)
ZZZZZ		12/12/2012 17:26	1		DB-624 0.18(mm)
ZZZZZ		12/12/2012 17:48	1		DB-624 0.18(mm)
ZZZZZ		12/12/2012 18:11	1		DB-624 0.18(mm)
ZZZZZ		12/12/2012 18:34	1		DB-624 0.18(mm)
ZZZZZ		12/12/2012 18:56	1		DB-624 0.18(mm)
240-18581-12	072SB-0061-0001-TB	12/12/2012 19:19	1	UXJ8986.D	DB-624 0.18(mm)
240-18581-24	070SB-0074-0001-TB	12/12/2012 19:41	1	UXJ8987.D	DB-624 0.18(mm)
MRL 240-68395/22		12/12/2012 20:04	1	UXJ8988.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A3UX8 Start Date: 12/14/2012 20:55

Analysis Batch Number: 68830 End Date: 12/15/2012 08:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-68830/1		12/14/2012 20:55	1	BFB8153.D	DB-624 0.18(mm)
STD8260 240-68830/3 IC		12/14/2012 21:39	1	UX82456.D	DB-624 0.18(mm)
STD8260 240-68830/4 IC		12/14/2012 22:01	1	UX82457.D	DB-624 0.18(mm)
STD8260 240-68830/5 IC		12/14/2012 22:22	1	UX82458.D	DB-624 0.18(mm)
ICIS 240-68830/6		12/14/2012 22:43	1	UX82459.D	DB-624 0.18(mm)
STD8260 240-68830/7 IC		12/14/2012 23:04	1	UX82460.D	DB-624 0.18(mm)
STD8260 240-68830/8 IC		12/14/2012 23:26	1	UX82461.D	DB-624 0.18(mm)
STD8260 240-68830/9 IC		12/14/2012 23:47	1	UX82462.D	DB-624 0.18(mm)
STD8260 240-68830/10 IC		12/15/2012 00:08	1	UX82463.D	DB-624 0.18(mm)
CCV 240-68830/11		12/15/2012 00:29	1		DB-624 0.18(mm)
ICV 240-68830/12		12/15/2012 00:50	1	UX82465.D	DB-624 0.18(mm)
ZZZZZ		12/15/2012 01:12	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 01:33	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 01:54	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 02:51	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 03:13	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 03:34	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 03:55	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 04:16	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 04:38	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 04:59	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 05:20	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 06:03	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 06:24	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 06:45	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 07:06	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 07:28	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 07:49	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 08:10	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 08:31	1		DB-624 0.18(mm)
MDLV 240-68830/34		12/15/2012 08:52	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A3UX8 Start Date: 12/15/2012 16:52

Analysis Batch Number: 68879 End Date: 12/16/2012 04:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-68879/1		12/15/2012 16:52	1	BFB8155.D	DB-624 0.18(mm)
CCV 240-68879/3		12/15/2012 17:36	1	UX82494.D	DB-624 0.18(mm)
CCV 240-68879/4		12/15/2012 17:58	1	UX82495.D	DB-624 0.18(mm)
MRL 240-68879/5		12/15/2012 18:19	1	UX82496.D	DB-624 0.18(mm)
LCS 240-68879/6		12/15/2012 18:40	1	UX82497.D	DB-624 0.18(mm)
MB 240-68879/7		12/15/2012 19:02	1	UX82498.D	DB-624 0.18(mm)
ZZZZZ		12/15/2012 19:56	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 20:39	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 21:00	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 21:21	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 21:42	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 22:04	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 22:25	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 22:46	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 23:07	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 23:29	1		DB-624 0.18(mm)
ZZZZZ		12/15/2012 23:50	1		DB-624 0.18(mm)
ZZZZZ		12/16/2012 00:11	1		DB-624 0.18(mm)
ZZZZZ		12/16/2012 00:33	1		DB-624 0.18(mm)
ZZZZZ		12/16/2012 00:54	1		DB-624 0.18(mm)
ZZZZZ		12/16/2012 01:15	1		DB-624 0.18(mm)
ZZZZZ		12/16/2012 01:36	1		DB-624 0.18(mm)
ZZZZZ		12/16/2012 01:57	1		DB-624 0.18(mm)
ZZZZZ		12/16/2012 02:19	1		DB-624 0.18(mm)
ZZZZZ		12/16/2012 02:40	1		DB-624 0.18(mm)
ZZZZZ		12/16/2012 03:01	1		DB-624 0.18(mm)
240-18581-2	070SB-043M-0001-SO	12/16/2012 03:22	1	UX82521.D	DB-624 0.18(mm)
ZZZZZ		12/16/2012 03:44	1		DB-624 0.18(mm)
ZZZZZ		12/16/2012 04:05	1		DB-624 0.18(mm)
MRL 240-68879/33		12/16/2012 04:26	1	UX82524.D	DB-624 0.18(mm)
MDLV 240-68879/34		12/16/2012 04:47	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A3UX8 Start Date: 12/16/2012 22:59

Analysis Batch Number: 68905 End Date: 12/17/2012 10:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-68905/1		12/16/2012 22:59	1	BFB8156.D	DB-624 0.18(mm)
CCV 240-68905/3		12/16/2012 23:43	1	UX82527.D	DB-624 0.18(mm)
CCV 240-68905/4		12/17/2012 00:05	1	UX82528.D	DB-624 0.18(mm)
MRL 240-68905/5		12/17/2012 00:26	1	UX82529.D	DB-624 0.18(mm)
LCS 240-68905/6		12/17/2012 00:47	1	UX82530.D	DB-624 0.18(mm)
MB 240-68905/7		12/17/2012 01:09	1	UX82531.D	DB-624 0.18(mm)
ZZZZZ		12/17/2012 02:03	1		DB-624 0.18(mm)
ZZZZZ		12/17/2012 02:46	1		DB-624 0.18(mm)
ZZZZZ		12/17/2012 03:07	1		DB-624 0.18(mm)
ZZZZZ		12/17/2012 03:28	1		DB-624 0.18(mm)
240-18581-1	070SB-0042M-0001-SO	12/17/2012 03:50	1	UX82538.D	DB-624 0.18(mm)
240-18581-1 MS	070SB-0042M-0001-SO MS	12/17/2012 04:11	1	UX82539.D	DB-624 0.18(mm)
240-18581-1 MSD	070SB-0042M-0001-SO MSD	12/17/2012 04:32	1	UX82540.D	DB-624 0.18(mm)
240-18581-3	070SB-044M-0001-SO	12/17/2012 04:53	1	UX82541.D	DB-624 0.18(mm)
240-18581-3 MS	070SB-044M-0001-SO MS	12/17/2012 05:15	1	UX82542.D	DB-624 0.18(mm)
240-18581-3 MSD	070SB-044M-0001-SO MSD	12/17/2012 05:36	1	UX82543.D	DB-624 0.18(mm)
240-18581-5	070SB-046M-0001-SO	12/17/2012 05:57	1	UX82544.D	DB-624 0.18(mm)
240-18581-5 MS	070SB-046M-0001-SO MS	12/17/2012 06:19	1	UX82545.D	DB-624 0.18(mm)
240-18581-5 MSD	070SB-046M-0001-SO MSD	12/17/2012 06:40	1	UX82546.D	DB-624 0.18(mm)
240-18581-7	072SB-0056-0001-SO	12/17/2012 07:01	1	UX82547.D	DB-624 0.18(mm)
240-18581-8	072SB-0057-0001-SO	12/17/2012 07:22	1	UX82548.D	DB-624 0.18(mm)
240-18581-9	072SB-0058-0001-SO	12/17/2012 07:44	1	UX82549.D	DB-624 0.18(mm)
240-18581-10	072SB-0059-0001-SO	12/17/2012 08:05	1	UX82550.D	DB-624 0.18(mm)
240-18581-11	072SB-0060-0001-SO	12/17/2012 08:26	1	UX82551.D	DB-624 0.18(mm)
240-18581-13	072SB-0070-0001-SO	12/17/2012 08:47	1	UX82552.D	DB-624 0.18(mm)
240-18581-14	072SB-0071-0001-SO	12/17/2012 09:09	1	UX82553.D	DB-624 0.18(mm)
240-18581-15	072SB-0072-0001-SO	12/17/2012 09:30	1	UX82554.D	DB-624 0.18(mm)
240-18581-16	072SB-0073-0001-SO	12/17/2012 09:51	1	UX82555.D	DB-624 0.18(mm)
ZZZZZ		12/17/2012 10:12	1		DB-624 0.18(mm)
MRL 240-68905/33		12/17/2012 10:34	1	UX82557.D	DB-624 0.18(mm)
MDLV 240-68905/34		12/17/2012 10:55	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A3UX8 Start Date: 12/17/2012 22:30

Analysis Batch Number: 69093 End Date: 12/18/2012 10:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-69093/2		12/17/2012 22:30	1	BFB8158.D	DB-624 0.18(mm)
CCV 240-69093/4		12/17/2012 23:11	1		DB-624 0.18(mm)
CCV 240-69093/5		12/17/2012 23:33	1		DB-624 0.18(mm)
ZZZZZ		12/17/2012 23:54	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 00:15	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 00:37	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 01:10	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 01:31	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 01:52	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 02:14	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 02:35	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 03:18	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 04:00	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 04:21	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 05:04	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 05:25	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 05:46	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 06:08	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 06:50	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 07:11	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 08:15	1		DB-624 0.18(mm)
ZZZZZ		12/18/2012 10:01	1		DB-624 0.18(mm)
MDLV 240-69093/35		12/18/2012 10:23	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A3UX8 Start Date: 12/31/2012 17:31

Analysis Batch Number: 70792 End Date: 12/31/2012 20:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-70792/1		12/31/2012 17:31	1	BFB8166.D	DB-624 0.18(mm)
CCV 240-70792/3		12/31/2012 18:14	1		DB-624 0.18(mm)
CCV 240-70792/4		12/31/2012 18:35	1		DB-624 0.18(mm)
ZZZZZ		12/31/2012 18:57	1		DB-624 0.18(mm)
ZZZZZ		12/31/2012 19:18	1		DB-624 0.18(mm)
ZZZZZ		12/31/2012 20:00	1		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 68443 Batch Start Date: 12/12/12 21:17 Batch Analyst: Mancine, Louis

Batch Method: 5035 Batch End Date: 12/12/12 22:06

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
240-18581-D-1	070SB-0042M-0001-SO	5035, 8260B/DoD	T	+029.995 g	36.89 g	6.895 g	5 mL		
240-18581-F-1 MS	070SB-0042M-0001-SO	5035, 8260B/DoD	T	+031.251 g	37.59 g	6.339 g	5 mL		
240-18581-H-1 MSD	070SB-0042M-0001-SO	5035, 8260B/DoD	T	+031.187 g	37.01 g	5.823 g	5 mL		
240-18581-B-2	070SB-043M-0001-SO	5035, 8260B/DoD	T	+030.588 g	36.42 g	5.832 g	5 mL		
240-18581-D-3	070SB-044M-0001-SO	5035, 8260B/DoD	T	+030.487 g	35.97 g	5.483 g	5 mL		
240-18581-F-3 MS	070SB-044M-0001-SO	5035, 8260B/DoD	T	+030.508 g	36.57 g	6.062 g	5 mL		
240-18581-H-3 MSD	070SB-044M-0001-SO	5035, 8260B/DoD	T	+030.616 g	36.62 g	6.004 g	5 mL		
240-18581-D-5	070SB-046M-0001-SO	5035, 8260B/DoD	T	+030.358 g	35.84 g	5.482 g	5 mL		
240-18581-F-5 MS	070SB-046M-0001-SO	5035, 8260B/DoD	T	+030.165 g	35.39 g	5.225 g	5 mL		
240-18581-H-5 MSD	070SB-046M-0001-SO	5035, 8260B/DoD	T	+030.619 g	36.57 g	5.951 g	5 mL		
240-18581-B-7	072SB-0056-0001-SO	5035, 8260B/DoD	T	+030.801 g	36.70 g	5.899 g	5 mL		
240-18581-B-8	072SB-0057-0001-SO	5035, 8260B/DoD	T	+030.965 g	36.94 g	5.975 g	5 mL		
240-18581-B-9	072SB-0058-0001-SO	5035, 8260B/DoD	T	+030.368 g	36.83 g	6.462 g	5 mL		
240-18581-B-10	072SB-0059-0001-SO	5035, 8260B/DoD	T	+030.898 g	37.70 g	6.802 g	5 mL		
240-18581-B-11	072SB-0060-0001-SO	5035, 8260B/DoD	T	+030.021 g	36.31 g	6.289 g	5 mL		
240-18581-B-13	072SB-0070-0001-SO	5035, 8260B/DoD	T	+030.445 g	36.95 g	6.505 g	5 mL		
240-18581-B-14	072SB-0071-0001-SO	5035, 8260B/DoD	T	+029.877 g	36.83 g	6.953 g	5 mL		
240-18581-B-15	072SB-0072-0001-SO	5035, 8260B/DoD	T	+029.608 g	36.18 g	6.572 g	5 mL		
240-18581-B-16	072SB-0073-0001-SO	5035, 8260B/DoD	T	+030.677 g	37.02 g	6.343 g	5 mL		

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 68443 Batch Start Date: 12/12/12 21:17 Batch Analyst: Mancine, Louis

Batch Method: 5035 Batch End Date: 12/12/12 22:06

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270C DOD

Semivolatile Compounds (GC/MS) by Method 8270/DOD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
070SB-0042M-0001-SO	240-18581-1	68	66	52	54	60	64
070SB-043M-0001-SO	240-18581-2	62	61	39	47	58	54
070SB-044M-0001-SO	240-18581-3	58	55	42	46	55	54
070SB-045M-0001-SO	240-18581-4	65	59	45	50	57	62
070SB-046M-0001-SO	240-18581-5	66	59	45	46	54	63
070SB-047M-0001-SO	240-18581-6	67	61	47	48	59	59
072SB-0056-0001-SO	240-18581-7	74	73	57	56	56	73
072SB-0057-0001-SO	240-18581-8	67	69	55	56	59	73
072SB-0058-0001-SO	240-18581-9	65	64	51	49	54	68
072SB-0059-0001-SO	240-18581-10	70	69	54	54	53	67
072SB-0060-0001-SO	240-18581-11	75	74	59	59	59	76
072SB-0070-0001-SO	240-18581-13	72	70	56	56	61	68
072SB-0071-0001-SO	240-18581-14	66	67	53	50	52	66
072SB-0072-0001-SO	240-18581-15	68	69	54	52	55	65
072SB-0073-0001-SO	240-18581-16	71	71	55	52	47	67
070SS-0048M-0001-SO	240-18581-17	66	67	52	52	76	66
070SB-0049M-0001-SO	240-18581-18	69	66	53	52	73	66
070SB-0050M-0001-SO	240-18581-19	68	65	51	50	66	59
070SB-0051M-0001-SO	240-18581-20	55	53	39	44 Q	48	53
070SB-0052M-0001-SO	240-18581-21	62	59	46	50	34 Q	60
070SB-0053M-0001-SO	240-18581-22	59	57	39	47	43	53
070SB-0054M-0001-SO	240-18581-23	58	58	42	48	45	55
	MB 240-69432/23-A	77	76	59	58	70	75
	MB 240-69446/11-A	74	74	58	56	64	72
	LCS 240-69432/24-A	79	78	64	62	80	73
	LCS 240-69446/12-A	79	79	63	61	77	72
070SB-0042M-0001-SO MS	240-18581-1 MS	64	64	46	53	67	67
070SB-044M-0001-SO MS	240-18581-3 MS	58	57	46	44 Q	55	59

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl (Surr)	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
070SB-0052M-0001-SO MS	240-18581-21 MS	59	57	46	50	46	57
070SB-0042M-0001-SO MSD	240-18581-1 MSD	57	56	42	50	62	64
070SB-044M-0001-SO MSD	240-18581-3 MSD	52	54	40	43 Q	60	56
070SB-0052M-0001-SO MSD	240-18581-21 MSD	62	61	47	55	59	61

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl (Surr)	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
	MRL 240-70417/4	105	106 Q	104 Q	100	104	103
	MRL 240-70417/18	104	107 Q	106 Q	102	107	101
	MRL 240-70582/4	104	103 Q	101 Q	103	106	100
	MRL 240-70582/24	103	104 Q	104 Q	101	110	107

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP	#	PHL	#	NBZ	#	FBP	#	TBP	#	TPH	#
	MRL 240-70078/3	107	Q	104	Q	100		102		106		102	
	MRL 240-70078/16	103		104	Q	104	Q	103		110		102	

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21228006.D

Lab ID: LCS 240-69432/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	517	77	45-110	
Acenaphthylene	667	534	80	45-105	
Anthracene	667	584	88	55-105	
Benzo[a]anthracene	667	567	85	50-110	
Benzo[a]pyrene	667	570	86	50-110	
Benzo[b]fluoranthene	667	603	90	45-115	
Benzo[g,h,i]perylene	667	644	97	40-125	
Benzoic acid	667	330 U	47	0-110	
Benzo[k]fluoranthene	667	607	91	45-125	
Benzyl alcohol	667	522	78	20-125	
Bis(2-chloroethoxy)methane	667	443	66	45-110	
Bis(2-chloroethyl)ether	667	427	64	40-105	
bis (2-chloroisopropyl) ether	667	418	63	20-115	
Bis(2-ethylhexyl) phthalate	667	574	86	45-125	
4-Bromophenyl phenyl ether	667	515	77	45-115	
Butyl benzyl phthalate	667	589	88	50-125	
Carbazole	667	592	89	45-115	
4-Chloroaniline	667	376	56	10-110	
4-Chloro-3-methylphenol	667	547	82	45-115	
2-Chloronaphthalene	667	443	66	45-105	
2-Chlorophenol	667	514	77	45-105	
4-Chlorophenyl phenyl ether	667	458	69	45-110	
Chrysene	667	591	89	55-110	
Dibenz(a,h)anthracene	667	642	96	40-125	
Dibenzofuran	667	499	75	50-105	
1,2-Dichlorobenzene	667	422	63	45-110	
1,3-Dichlorobenzene	667	412	62	40-100	
1,4-Dichlorobenzene	667	507	76	35-105	
3,3'-Dichlorobenzidine	667	336	50	10-130	
2,4-Dichlorophenol	667	550	83	45-110	
Diethyl phthalate	667	551	83	50-115	
2,4-Dimethylphenol	667	361	54	30-105	
Dimethyl phthalate	667	545	82	50-110	
Di-n-butyl phthalate	667	618	93	55-110	
4,6-Dinitro-2-methylphenol	667	496	74	30-135	
2,4-Dinitrophenol	667	403	60	15-130	
2,4-Dinitrotoluene	667	480	72	50-115	
2,6-Dinitrotoluene	667	491	74	50-110	
Di-n-octyl phthalate	667	568	85	40-130	
Fluoranthene	667	606	91	55-115	
Fluorene	667	537	81	50-110	
Hexachlorobenzene	667	464	70	45-120	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21228006.D

Lab ID: LCS 240-69432/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	667	432	65	40-115	
Hexachloroethane	667	432	65	35-110	
Indeno[1,2,3-cd]pyrene	667	648	97	40-120	
Isophorone	667	545	82	45-110	
2-Methylnaphthalene	667	513	77	45-105	
2-Methylphenol	667	505	76	40-105	
3 & 4 Methylphenol	1330	1010	76	40-105	
Naphthalene	667	522	78	40-105	
2-Nitroaniline	667	583	87	45-120	
3-Nitroaniline	667	502	75	25-110	
4-Nitroaniline	667	541	81	35-115	
Nitrobenzene	667	454	68	40-115	
2-Nitrophenol	667	568	85	40-110	
4-Nitrophenol	667	533	80	15-140	
N-Nitrosodi-n-propylamine	667	529	79	40-115	
N-Nitrosodiphenylamine	667	581	87	50-115	
Pentachlorophenol	667	419	63	25-120	
Phenanthrene	667	571	86	50-110	
Phenol	667	534	80	40-100	
Pyrene	667	571	86	45-125	
1,2,4-Trichlorobenzene	667	430	65	45-110	
2,4,5-Trichlorophenol	667	547	82	50-110	
2,4,6-Trichlorophenol	667	533	80	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21226005.D

Lab ID: LCS 240-69446/12-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	503	75	45-110	
Acenaphthylene	667	519	78	45-105	
Anthracene	667	546	82	55-105	
Benzo[a]anthracene	667	536	80	50-110	
Benzo[a]pyrene	667	523	78	50-110	
Benzo[b]fluoranthene	667	575	86	45-115	
Benzo[g,h,i]perylene	667	573	86	40-125	
Benzoic acid	667	330 U	49	0-110	
Benzo[k]fluoranthene	667	554	83	45-125	
Benzyl alcohol	667	485	73	20-125	
Bis(2-chloroethoxy)methane	667	435	65	45-110	
Bis(2-chloroethyl)ether	667	425	64	40-105	
bis (2-chloroisopropyl) ether	667	423	63	20-115	
Bis(2-ethylhexyl) phthalate	667	525	79	45-125	
4-Bromophenyl phenyl ether	667	469	70	45-115	
Butyl benzyl phthalate	667	550	82	50-125	
Carbazole	667	543	82	45-115	
4-Chloroaniline	667	387	58	10-110	
4-Chloro-3-methylphenol	667	527	79	45-115	
2-Chloronaphthalene	667	428	64	45-105	
2-Chlorophenol	667	519	78	45-105	
4-Chlorophenyl phenyl ether	667	449	67	45-110	
Chrysene	667	555	83	55-110	
Dibenz(a,h)anthracene	667	573	86	40-125	
Dibenzofuran	667	498	75	50-105	
1,2-Dichlorobenzene	667	421	63	45-110	
1,3-Dichlorobenzene	667	410	61	40-100	
1,4-Dichlorobenzene	667	504	76	35-105	
3,3'-Dichlorobenzidine	667	343	51	10-130	
2,4-Dichlorophenol	667	529	79	45-110	
Diethyl phthalate	667	534	80	50-115	
2,4-Dimethylphenol	667	350	53	30-105	
Dimethyl phthalate	667	531	80	50-110	
Di-n-butyl phthalate	667	559	84	55-110	
4,6-Dinitro-2-methylphenol	667	477	71	30-135	
2,4-Dinitrophenol	667	414	62	15-130	
2,4-Dinitrotoluene	667	463	69	50-115	
2,6-Dinitrotoluene	667	467	70	50-110	
Di-n-octyl phthalate	667	496	74	40-130	
Fluoranthene	667	555	83	55-115	
Fluorene	667	531	80	50-110	
Hexachlorobenzene	667	445	67	45-120	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21226005.D

Lab ID: LCS 240-69446/12-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	667	429	64	40-115	
Hexachloroethane	667	435	65	35-110	
Indeno[1,2,3-cd]pyrene	667	569	85	40-120	
Isophorone	667	534	80	45-110	
2-Methylnaphthalene	667	523	78	45-105	
2-Methylphenol	667	486	73	40-105	
3 & 4 Methylphenol	1330	1010	76	40-105	
Naphthalene	667	520	78	40-105	
2-Nitroaniline	667	543	81	45-120	
3-Nitroaniline	667	480	72	25-110	
4-Nitroaniline	667	525	79	35-115	
Nitrobenzene	667	442	66	40-115	
2-Nitrophenol	667	535	80	40-110	
4-Nitrophenol	667	531	80	15-140	
N-Nitrosodi-n-propylamine	667	519	78	40-115	
N-Nitrosodiphenylamine	667	545	82	50-115	
Pentachlorophenol	667	387	58	25-120	
Phenanthrene	667	540	81	50-110	
Phenol	667	517	78	40-100	
Pyrene	667	543	81	45-125	
1,2,4-Trichlorobenzene	667	430	65	45-110	
2,4,5-Trichlorophenol	667	508	76	50-110	
2,4,6-Trichlorophenol	667	510	77	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21226003.D

Lab ID: MRL 240-70078/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.99	100	70-130	
Acenaphthylene	5.00	5.24	105	70-130	
Anthracene	5.00	5.21	104	70-130	
Benzo[a]anthracene	5.00	5.11	102	70-130	
Benzo[a]pyrene	5.00	5.41	108	70-130	
Benzo[b]fluoranthene	5.00	5.11	102	70-130	
Benzo[g,h,i]perylene	5.00	5.34	107	70-130	
Benzoic acid	10.0	9.14	91	70-130	
Benzo[k]fluoranthene	5.00	5.57	111	70-130	
Benzyl alcohol	5.00	4.83	97	70-130	
Bis(2-chloroethoxy)methane	5.00	5.05	101	70-130	
Bis(2-chloroethyl)ether	5.00	5.13	103	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.92	98	70-130	
4-Bromophenyl phenyl ether	5.00	5.29	106	70-130	
Butyl benzyl phthalate	5.00	4.98	100	70-130	
Carbazole	5.00	5.21	104	70-130	
4-Chloro-3-methylphenol	5.00	5.10	102	70-130	
2-Chloronaphthalene	5.00	5.14	103	70-130	
2-Chlorophenol	5.00	5.17	103	70-130	
4-Chlorophenyl phenyl ether	5.00	5.11	102	70-130	
Chrysene	5.00	5.09	102	70-130	
Dibenz(a,h)anthracene	5.00	5.20	104	70-130	
Dibenzofuran	5.00	4.99	100	70-130	
1,2-Dichlorobenzene	5.00	5.13	103	70-130	
1,3-Dichlorobenzene	5.00	5.13	103	70-130	
1,4-Dichlorobenzene	5.00	5.20	104	70-130	
3,3'-Dichlorobenzidine	5.00	5.27	105	70-130	
2,4-Dichlorophenol	5.00	5.27	105	70-130	
Diethyl phthalate	5.00	4.93	99	70-130	
2,4-Dimethylphenol	5.00	5.14	103	70-130	
Dimethyl phthalate	5.00	5.05	101	70-130	
Di-n-butyl phthalate	5.00	5.13	103	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.88	98	70-130	
2,4-Dinitrophenol	10.0	9.74	97	70-130	
2,4-Dinitrotoluene	5.00	5.21	104	70-130	
2,6-Dinitrotoluene	5.00	5.27	105	70-130	
Di-n-octyl phthalate	5.00	4.68	94	70-130	
Fluoranthene	5.00	5.16	103	70-130	
Fluorene	5.00	5.18	104	70-130	
Hexachlorobenzene	5.00	5.18	104	70-130	
Hexachlorobutadiene	5.00	5.24	105	70-130	
Hexachloroethane	5.00	5.24	105	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21226003.D

Lab ID: MRL 240-70078/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	5.39	108	70-130	
Isophorone	5.00	5.08	102	70-130	
2-Methylnaphthalene	5.00	5.01	100	70-130	
2-Methylphenol	5.00	5.29	106	70-130	
3 & 4 Methylphenol	5.00	5.10	102	70-130	
Naphthalene	5.00	5.11	102	70-130	
2-Nitroaniline	5.00	5.15	103	70-130	
3-Nitroaniline	5.00	5.28	106	70-130	
4-Nitroaniline	5.00	5.38	108	70-130	
Nitrobenzene	5.00	5.22	104	70-130	
2-Nitrophenol	5.00	5.42	108	70-130	
4-Nitrophenol	5.00	5.18	104	70-130	
N-Nitrosodi-n-propylamine	5.00	5.14	103	70-130	
N-Nitrosodiphenylamine	5.00	5.16	103	70-130	
Pentachlorophenol	10.0	9.55	95	70-130	
Phenanthrene	5.00	4.97	99	70-130	
Phenol	5.00	5.29	106	70-130	
Pyrene	5.00	5.19	104	70-130	
1,2,4-Trichlorobenzene	5.00	5.15	103	70-130	
2,4,5-Trichlorophenol	5.00	5.22	104	70-130	
2,4,6-Trichlorophenol	5.00	5.47	109	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21226016.D

Lab ID: MRL 240-70078/16 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.10	102	70-130	
Acenaphthylene	5.00	5.33	107	70-130	
Anthracene	5.00	5.21	104	70-130	
Benzo[a]anthracene	5.00	5.22	104	70-130	
Benzo[a]pyrene	5.00	5.39	108	70-130	
Benzo[b]fluoranthene	5.00	5.28	106	70-130	
Benzo[g,h,i]perylene	5.00	5.42	108	70-130	
Benzoic acid	10.0	9.40	94	70-130	
Benzo[k]fluoranthene	5.00	4.89	98	70-130	
Benzyl alcohol	5.00	4.93	99	70-130	
Bis(2-chloroethoxy)methane	5.00	5.12	102	70-130	
Bis(2-chloroethyl)ether	5.00	5.10	102	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.00	100	70-130	
4-Bromophenyl phenyl ether	5.00	5.30	106	70-130	
Butyl benzyl phthalate	5.00	5.13	103	70-130	
Carbazole	5.00	5.07	101	70-130	
4-Chloro-3-methylphenol	5.00	5.24	105	70-130	
2-Chloronaphthalene	5.00	5.20	104	70-130	
2-Chlorophenol	5.00	5.17	103	70-130	
4-Chlorophenyl phenyl ether	5.00	5.04	101	70-130	
Chrysene	5.00	5.32	106	70-130	
Dibenz(a,h)anthracene	5.00	5.22	104	70-130	
Dibenzofuran	5.00	5.07	101	70-130	
1,2-Dichlorobenzene	5.00	5.08	102	70-130	
1,3-Dichlorobenzene	5.00	5.06	101	70-130	
1,4-Dichlorobenzene	5.00	5.11	102	70-130	
3,3'-Dichlorobenzidine	5.00	5.19	104	70-130	
2,4-Dichlorophenol	5.00	5.30	106	70-130	
Diethyl phthalate	5.00	5.01	100	70-130	
2,4-Dimethylphenol	5.00	5.15	103	70-130	
Dimethyl phthalate	5.00	5.20	104	70-130	
Di-n-butyl phthalate	5.00	5.11	102	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.83	97	70-130	
2,4-Dinitrophenol	10.0	8.83	88	70-130	
2,4-Dinitrotoluene	5.00	5.35	107	70-130	
2,6-Dinitrotoluene	5.00	5.21	104	70-130	
Di-n-octyl phthalate	5.00	4.64	93	70-130	
Fluoranthene	5.00	5.09	102	70-130	
Fluorene	5.00	5.16	103	70-130	
Hexachlorobenzene	5.00	5.19	104	70-130	
Hexachlorobutadiene	5.00	5.04	101	70-130	
Hexachloroethane	5.00	5.16	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21226016.D

Lab ID: MRL 240-70078/16 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	5.53	111	70-130	
Isophorone	5.00	4.99	100	70-130	
2-Methylnaphthalene	5.00	5.15	103	70-130	
2-Methylphenol	5.00	5.18	104	70-130	
3 & 4 Methylphenol	5.00	5.00	100	70-130	
Naphthalene	5.00	5.10	102	70-130	
2-Nitroaniline	5.00	5.25	105	70-130	
3-Nitroaniline	5.00	5.36	107	70-130	
4-Nitroaniline	5.00	5.44	109	70-130	
Nitrobenzene	5.00	5.22	104	70-130	
2-Nitrophenol	5.00	5.21	104	70-130	
4-Nitrophenol	5.00	5.12	102	70-130	
N-Nitrosodi-n-propylamine	5.00	5.11	102	70-130	
N-Nitrosodiphenylamine	5.00	5.09	102	70-130	
Pentachlorophenol	10.0	10.9	109	70-130	
Phenanthrene	5.00	5.05	101	70-130	
Phenol	5.00	5.21	104	70-130	
Pyrene	5.00	5.24	105	70-130	
1,2,4-Trichlorobenzene	5.00	5.36	107	70-130	
2,4,5-Trichlorophenol	5.00	5.38	108	70-130	
2,4,6-Trichlorophenol	5.00	5.46	109	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21228004.D

Lab ID: MRL 240-70417/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.90	98	70-130	
Acenaphthylene	5.00	5.06	101	70-130	
Anthracene	5.00	5.26	105	70-130	
Benzo[a]anthracene	5.00	5.17	103	70-130	
Benzo[a]pyrene	5.00	5.46	109	70-130	
Benzo[b]fluoranthene	5.00	5.44	109	70-130	
Benzo[g,h,i]perylene	5.00	5.32	106	70-130	
Benzoic acid	10.0	10.3	103	70-130	
Benzo[k]fluoranthene	5.00	5.30	106	70-130	
Benzyl alcohol	5.00	4.91	98	70-130	
Bis(2-chloroethoxy)methane	5.00	5.04	101	70-130	
Bis(2-chloroethyl)ether	5.00	5.03	101	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.12	102	70-130	
4-Bromophenyl phenyl ether	5.00	5.43	109	70-130	
Butyl benzyl phthalate	5.00	5.23	105	70-130	
Carbazole	5.00	5.27	105	70-130	
4-Chloro-3-methylphenol	5.00	5.28	106	70-130	
2-Chloronaphthalene	5.00	5.07	101	70-130	
2-Chlorophenol	5.00	5.24	105	70-130	
4-Chlorophenyl phenyl ether	5.00	5.13	103	70-130	
Chrysene	5.00	5.16	103	70-130	
Dibenz(a,h)anthracene	5.00	5.35	107	70-130	
Dibenzofuran	5.00	4.88	98	70-130	
1,2-Dichlorobenzene	5.00	5.14	103	70-130	
1,3-Dichlorobenzene	5.00	5.11	102	70-130	
1,4-Dichlorobenzene	5.00	5.22	104	70-130	
3,3'-Dichlorobenzidine	5.00	5.41	108	70-130	
2,4-Dichlorophenol	5.00	5.17	103	70-130	
Diethyl phthalate	5.00	4.93	99	70-130	
2,4-Dimethylphenol	5.00	5.18	104	70-130	
Dimethyl phthalate	5.00	4.99	100	70-130	
Di-n-butyl phthalate	5.00	5.19	104	70-130	
4,6-Dinitro-2-methylphenol	5.00	5.33	107	70-130	
2,4-Dinitrophenol	10.0	10.5	105	70-130	
2,4-Dinitrotoluene	5.00	5.15	103	70-130	
2,6-Dinitrotoluene	5.00	5.12	102	70-130	
Di-n-octyl phthalate	5.00	5.07	101	70-130	
Fluoranthene	5.00	5.23	105	70-130	
Fluorene	5.00	5.19	104	70-130	
Hexachlorobenzene	5.00	5.21	104	70-130	
Hexachlorobutadiene	5.00	5.24	105	70-130	
Hexachloroethane	5.00	5.17	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21228004.D

Lab ID: MRL 240-70417/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	5.42	108	70-130	
Isophorone	5.00	5.09	102	70-130	
2-Methylnaphthalene	5.00	5.00	100	70-130	
2-Methylphenol	5.00	5.31	106	70-130	
3 & 4 Methylphenol	5.00	4.89	98	70-130	
Naphthalene	5.00	5.13	103	70-130	
2-Nitroaniline	5.00	5.16	103	70-130	
3-Nitroaniline	5.00	5.24	105	70-130	
4-Nitroaniline	5.00	5.39	108	70-130	
Nitrobenzene	5.00	5.23	105	70-130	
2-Nitrophenol	5.00	5.53	111	70-130	
4-Nitrophenol	5.00	5.25	105	70-130	
N-Nitrosodi-n-propylamine	5.00	5.25	105	70-130	
N-Nitrosodiphenylamine	5.00	5.27	105	70-130	
Pentachlorophenol	10.0	10.8	108	70-130	
Phenanthrene	5.00	5.12	102	70-130	
Phenol	5.00	5.12	102	70-130	
Pyrene	5.00	5.31	106	70-130	
1,2,4-Trichlorobenzene	5.00	5.27	105	70-130	
2,4,5-Trichlorophenol	5.00	5.17	103	70-130	
2,4,6-Trichlorophenol	5.00	5.31	106	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21228018.D

Lab ID: MRL 240-70417/18 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.03	101	70-130	
Acenaphthylene	5.00	5.18	104	70-130	
Anthracene	5.00	5.19	104	70-130	
Benzo[a]anthracene	5.00	5.28	106	70-130	
Benzo[a]pyrene	5.00	5.34	107	70-130	
Benzo[b]fluoranthene	5.00	5.30	106	70-130	
Benzo[g,h,i]perylene	5.00	4.97	99	70-130	
Benzoic acid	10.0	9.60	96	70-130	
Benzo[k]fluoranthene	5.00	5.17	103	70-130	
Benzyl alcohol	5.00	5.15	103	70-130	
Bis(2-chloroethoxy)methane	5.00	5.09	102	70-130	
Bis(2-chloroethyl)ether	5.00	5.10	102	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.24	105	70-130	
4-Bromophenyl phenyl ether	5.00	5.17	103	70-130	
Butyl benzyl phthalate	5.00	5.37	107	70-130	
Carbazole	5.00	5.14	103	70-130	
4-Chloro-3-methylphenol	5.00	5.40	108	70-130	
2-Chloronaphthalene	5.00	5.11	102	70-130	
2-Chlorophenol	5.00	5.18	104	70-130	
4-Chlorophenyl phenyl ether	5.00	5.05	101	70-130	
Chrysene	5.00	5.20	104	70-130	
Dibenz(a,h)anthracene	5.00	5.25	105	70-130	
Dibenzofuran	5.00	5.01	100	70-130	
1,2-Dichlorobenzene	5.00	5.07	101	70-130	
1,3-Dichlorobenzene	5.00	5.18	104	70-130	
1,4-Dichlorobenzene	5.00	5.17	103	70-130	
3,3'-Dichlorobenzidine	5.00	5.32	106	70-130	
2,4-Dichlorophenol	5.00	5.38	108	70-130	
Diethyl phthalate	5.00	5.08	102	70-130	
2,4-Dimethylphenol	5.00	5.24	105	70-130	
Dimethyl phthalate	5.00	5.16	103	70-130	
Di-n-butyl phthalate	5.00	5.23	105	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.87	97	70-130	
2,4-Dinitrophenol	10.0	8.44	84	70-130	
2,4-Dinitrotoluene	5.00	5.47	109	70-130	
2,6-Dinitrotoluene	5.00	5.36	107	70-130	
Di-n-octyl phthalate	5.00	5.28	106	70-130	
Fluoranthene	5.00	5.06	101	70-130	
Fluorene	5.00	5.11	102	70-130	
Hexachlorobenzene	5.00	5.06	101	70-130	
Hexachlorobutadiene	5.00	5.15	103	70-130	
Hexachloroethane	5.00	5.22	104	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21228018.D

Lab ID: MRL 240-70417/18 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	5.37	107	70-130	
Isophorone	5.00	5.22	104	70-130	
2-Methylnaphthalene	5.00	5.06	101	70-130	
2-Methylphenol	5.00	5.22	104	70-130	
3 & 4 Methylphenol	5.00	5.14	103	70-130	
Naphthalene	5.00	5.15	103	70-130	
2-Nitroaniline	5.00	5.54	111	70-130	
3-Nitroaniline	5.00	5.43	109	70-130	
4-Nitroaniline	5.00	5.68	114	70-130	
Nitrobenzene	5.00	5.24	105	70-130	
2-Nitrophenol	5.00	5.38	108	70-130	
4-Nitrophenol	5.00	5.09	102	70-130	
N-Nitrosodi-n-propylamine	5.00	5.27	105	70-130	
N-Nitrosodiphenylamine	5.00	0.00080 U	0	70-130	^
Pentachlorophenol	10.0	10.4	104	70-130	
Phenanthrene	5.00	5.08	102	70-130	
Phenol	5.00	5.33	107	70-130	
Pyrene	5.00	5.28	106	70-130	
1,2,4-Trichlorobenzene	5.00	5.23	105	70-130	
2,4,5-Trichlorophenol	5.00	5.33	107	70-130	
2,4,6-Trichlorophenol	5.00	5.34	107	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21229004.D

Lab ID: MRL 240-70582/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.98	100	70-130	
Acenaphthylene	5.00	5.19	104	70-130	
Anthracene	5.00	5.13	103	70-130	
Benzo[a]anthracene	5.00	4.85	97	70-130	
Benzo[a]pyrene	5.00	5.56	111	70-130	
Benzo[b]fluoranthene	5.00	5.65	113	70-130	
Benzo[g,h,i]perylene	5.00	4.60	92	70-130	
Benzoic acid	10.0	8.08	81	70-130	
Benzo[k]fluoranthene	5.00	5.78	116	70-130	
Benzyl alcohol	5.00	4.77	95	70-130	
Bis(2-chloroethoxy)methane	5.00	5.08	102	70-130	
Bis(2-chloroethyl)ether	5.00	5.19	104	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.84	97	70-130	
4-Bromophenyl phenyl ether	5.00	5.18	104	70-130	
Butyl benzyl phthalate	5.00	4.94	99	70-130	
Carbazole	5.00	5.14	103	70-130	
4-Chloro-3-methylphenol	5.00	5.07	101	70-130	
2-Chloronaphthalene	5.00	5.10	102	70-130	
2-Chlorophenol	5.00	5.08	102	70-130	
4-Chlorophenyl phenyl ether	5.00	5.28	106	70-130	
Chrysene	5.00	4.79	96	70-130	
Dibenz(a,h)anthracene	5.00	4.78	96	70-130	
Dibenzofuran	5.00	4.90	98	70-130	
1,2-Dichlorobenzene	5.00	5.09	102	70-130	
1,3-Dichlorobenzene	5.00	5.08	102	70-130	
1,4-Dichlorobenzene	5.00	4.98	100	70-130	
3,3'-Dichlorobenzidine	5.00	4.79	96	70-130	
2,4-Dichlorophenol	5.00	5.20	104	70-130	
Diethyl phthalate	5.00	5.07	101	70-130	
2,4-Dimethylphenol	5.00	5.18	104	70-130	
Dimethyl phthalate	5.00	5.21	104	70-130	
Di-n-butyl phthalate	5.00	5.34	107	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.41	88	70-130	
2,4-Dinitrophenol	10.0	7.96	80	70-130	
2,4-Dinitrotoluene	5.00	5.20	104	70-130	
2,6-Dinitrotoluene	5.00	5.33	107	70-130	
Di-n-octyl phthalate	5.00	5.42	108	70-130	
Fluoranthene	5.00	5.18	104	70-130	
Fluorene	5.00	5.11	102	70-130	
Hexachlorobenzene	5.00	5.23	105	70-130	
Hexachlorobutadiene	5.00	5.17	103	70-130	
Hexachloroethane	5.00	5.04	101	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21229004.D

Lab ID: MRL 240-70582/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	4.71	94	70-130	
Isophorone	5.00	5.17	103	70-130	
2-Methylnaphthalene	5.00	4.99	100	70-130	
2-Methylphenol	5.00	5.16	103	70-130	
3 & 4 Methylphenol	5.00	4.92	98	70-130	
Naphthalene	5.00	5.05	101	70-130	
2-Nitroaniline	5.00	5.26	105	70-130	
3-Nitroaniline	5.00	5.18	104	70-130	
4-Nitroaniline	5.00	5.39	108	70-130	
Nitrobenzene	5.00	5.14	103	70-130	
2-Nitrophenol	5.00	5.18	104	70-130	
4-Nitrophenol	5.00	4.50	90	70-130	
N-Nitrosodi-n-propylamine	5.00	5.21	104	70-130	
N-Nitrosodiphenylamine	5.00	0.00080 U	0	70-130	^
Pentachlorophenol	10.0	9.77	98	70-130	
Phenanthrene	5.00	5.00	100	70-130	
Phenol	5.00	5.18	104	70-130	
Pyrene	5.00	5.16	103	70-130	
1,2,4-Trichlorobenzene	5.00	5.18	104	70-130	
2,4,5-Trichlorophenol	5.00	5.18	104	70-130	
2,4,6-Trichlorophenol	5.00	5.13	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21229024.D

Lab ID: MRL 240-70582/24 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.07	101	70-130	
Acenaphthylene	5.00	5.18	104	70-130	
Anthracene	5.00	5.28	106	70-130	
Benzo[a]anthracene	5.00	5.20	104	70-130	
Benzo[a]pyrene	5.00	5.34	107	70-130	
Benzo[b]fluoranthene	5.00	5.95	119	70-130	
Benzo[g,h,i]perylene	5.00	3.11	62	70-130	^
Benzoic acid	10.0	8.60	86	70-130	
Benzo[k]fluoranthene	5.00	5.75	115	70-130	
Benzyl alcohol	5.00	5.12	102	70-130	
Bis(2-chloroethoxy)methane	5.00	5.24	105	70-130	
Bis(2-chloroethyl)ether	5.00	5.11	102	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.37	107	70-130	
4-Bromophenyl phenyl ether	5.00	5.20	104	70-130	
Butyl benzyl phthalate	5.00	5.78	116	70-130	
Carbazole	5.00	5.15	103	70-130	
4-Chloro-3-methylphenol	5.00	5.37	107	70-130	
2-Chloronaphthalene	5.00	5.11	102	70-130	
2-Chlorophenol	5.00	5.14	103	70-130	
4-Chlorophenyl phenyl ether	5.00	5.15	103	70-130	
Chrysene	5.00	5.22	104	70-130	
Dibenz(a,h)anthracene	5.00	3.50	70	70-130	
Dibenzofuran	5.00	5.01	100	70-130	
1,2-Dichlorobenzene	5.00	5.06	101	70-130	
1,3-Dichlorobenzene	5.00	5.10	102	70-130	
1,4-Dichlorobenzene	5.00	5.17	103	70-130	
3,3'-Dichlorobenzidine	5.00	5.07	101	70-130	
2,4-Dichlorophenol	5.00	5.32	106	70-130	
Diethyl phthalate	5.00	5.18	104	70-130	
2,4-Dimethylphenol	5.00	5.42	108	70-130	
Dimethyl phthalate	5.00	5.29	106	70-130	
Di-n-butyl phthalate	5.00	5.43	109	70-130	
4,6-Dinitro-2-methylphenol	5.00	3.79	76	70-130	
2,4-Dinitrophenol	10.0	5.69	57	70-130	^
2,4-Dinitrotoluene	5.00	5.29	106	70-130	
2,6-Dinitrotoluene	5.00	5.33	107	70-130	
Di-n-octyl phthalate	5.00	6.61	132	70-130	^
Fluoranthene	5.00	5.07	101	70-130	
Fluorene	5.00	5.13	103	70-130	
Hexachlorobenzene	5.00	5.15	103	70-130	
Hexachlorobutadiene	5.00	5.30	106	70-130	
Hexachloroethane	5.00	5.22	104	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21229024.D

Lab ID: MRL 240-70582/24 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	3.65	73	70-130	
Isophorone	5.00	5.29	106	70-130	
2-Methylnaphthalene	5.00	5.20	104	70-130	
2-Methylphenol	5.00	5.24	105	70-130	
3 & 4 Methylphenol	5.00	5.07	101	70-130	
Naphthalene	5.00	5.12	102	70-130	
2-Nitroaniline	5.00	5.47	109	70-130	
3-Nitroaniline	5.00	5.48	110	70-130	
4-Nitroaniline	5.00	5.32	106	70-130	
Nitrobenzene	5.00	5.26	105	70-130	
2-Nitrophenol	5.00	5.30	106	70-130	
4-Nitrophenol	5.00	4.68	94	70-130	
N-Nitrosodi-n-propylamine	5.00	5.15	103	70-130	
N-Nitrosodiphenylamine	5.00	5.18	104	70-130	
Pentachlorophenol	10.0	9.35	93	70-130	
Phenanthrene	5.00	5.09	102	70-130	
Phenol	5.00	5.16	103	70-130	
Pyrene	5.00	5.52	110	70-130	
1,2,4-Trichlorobenzene	5.00	5.35	107	70-130	
2,4,5-Trichlorophenol	5.00	5.42	108	70-130	
2,4,6-Trichlorophenol	5.00	5.24	105	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21229021.D

Lab ID: 240-18581-1 MS Client ID: 070SB-0042M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	676	380	772	59	45-110	D
Acenaphthylene	676	79	524	66	45-105	D
Anthracene	676	33 U	513	76	55-105	D
Benzo[a]anthracene	676	140	644	75	50-110	D
Benzo[a]pyrene	676	41 J	468	63	50-110	D
Benzo[b]fluoranthene	676	34 J	549	76	45-115	D
Benzo[g,h,i]perylene	676	57 J	336	41	40-125	D
Benzoic acid	676	3300 U	3400 U	NC	0-110	
Benzo[k]fluoranthene	676	33 U	499	74	45-125	D
Benzyl alcohol	676	270 U	428 J	63	20-125	D
Bis(2-chloroethoxy)methane	676	270 U	331 J	49	45-110	D
Bis(2-chloroethyl)ether	676	33 U	301 J	45	40-105	D
bis (2-chloroisopropyl) ether	676	270 U	350 J	52	20-115	D
Bis(2-ethylhexyl) phthalate	676	270 U	673	100	45-125	D
4-Bromophenyl phenyl ether	676	270 U	423 J	63	45-115	D
Butyl benzyl phthalate	676	270 U	557	82	50-125	D
Carbazole	676	270 U	468 J	69	45-115	D
4-Chloroaniline	676	270 U	270 U	0	10-95	J
4-Chloro-3-methylphenol	676	270 U	454 J	67	45-115	D
2-Chloronaphthalene	676	33 U	375 J	55	45-105	D
2-Chlorophenol	676	270 U	429 J	63	45-105	D
4-Chlorophenyl phenyl ether	676	270 U	404 J	60	45-110	D
Chrysene	676	190	741	82	55-110	D
Dibenz(a,h)anthracene	676	33 U	305	45	40-125	D
Dibenzofuran	676	250 J	662	61	50-105	D
1,2-Dichlorobenzene	676	270 U	303 J	45	45-95	D
1,3-Dichlorobenzene	676	270 U	299 J	44	40-100	D
1,4-Dichlorobenzene	676	270 U	360 J	53	35-105	D
3,3'-Dichlorobenzidine	676	790 U	810 U	0	10-130	J
2,4-Dichlorophenol	676	270 U	449 J	66	45-110	D
Diethyl phthalate	676	270 U	513	76	50-115	D
2,4-Dimethylphenol	676	790 U	443 J	66	30-105	D
Dimethyl phthalate	676	270 U	504 J	74	50-110	D
Di-n-butyl phthalate	676	270 U	533	79	55-110	D
4,6-Dinitro-2-methylphenol	676	790 U	810 U	NC	30-135	
2,4-Dinitrophenol	676	790 U	810 U	NC	15-130	
2,4-Dinitrotoluene	676	270 U	571 J	84	50-115	D
2,6-Dinitrotoluene	676	270 U	532 J	79	50-110	D
Di-n-octyl phthalate	676	270 U	763	113	40-130	D
Fluoranthene	676	170	643	70	55-115	D
Fluorene	676	650	1080	62	50-110	D
Hexachlorobenzene	676	33 U	403	60	45-120	D

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21229021.D

Lab ID: 240-18581-1 MS Client ID: 070SB-0042M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Hexachlorobutadiene	676	270 U	338 J	50	40-115	D
Hexachloroethane	676	270 U	330 J	49	35-110	D
Indeno[1,2,3-cd]pyrene	676	33 U	295	44	40-120	D
Isophorone	676	270 U	434 J	64	45-110	D
2-Methylnaphthalene	676	680	1090	61	45-105	D
2-Methylphenol	676	790 U	810 U	NC	40-105	
3 & 4 Methylphenol	1350	790 U	896 J	66	40-105	D
Naphthalene	676	50 J	457	60	40-105	D
2-Nitroaniline	676	270 U	485 J	72	45-120	D
3-Nitroaniline	676	790 U	245 J	36	25-110	D
4-Nitroaniline	676	270 U	376 J	56	35-115	D
Nitrobenzene	676	33 U	338 J	50	40-115	D
2-Nitrophenol	676	270 U	382 J	56	40-110	D
4-Nitrophenol	676	790 U	810 U	NC	15-140	
N-Nitrosodi-n-propylamine	676	270 U	397 J	59	40-115	D
N-Nitrosodiphenylamine	676	270 U	1450	214	50-115	J D
Pentachlorophenol	676	790 U	810 U	NC	25-120	
Phenanthrene	676	1000	1530	72	50-110	D
Phenol	676	270 U	446 J	66	40-100	D
Pyrene	676	1000	1530	77	45-125	D
1,2,4-Trichlorobenzene	676	270 U	332 J	49	45-110	D
2,4,5-Trichlorophenol	676	270 U	491 J	73	50-110	D
2,4,6-Trichlorophenol	676	790 U	810 U	NC	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21229016.D

Lab ID: 240-18581-3 MS Client ID: 070SB-044M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	670	33 U	393	59	45-110	D
Acenaphthylene	670	33 U	365	55	45-105	D
Anthracene	670	33 U	400	60	55-105	D
Benzo[a]anthracene	670	33 U	403	60	50-110	D
Benzo[a]pyrene	670	33 U	344	51	50-110	D
Benzo[b]fluoranthene	670	33 U	375	56	45-115	D
Benzo[g,h,i]perylene	670	33 U	240	36	40-125	J D
Benzoic acid	670	3400 U	3300 U	NC	0-110	
Benzo[k]fluoranthene	670	33 U	412	62	45-125	D
Benzyl alcohol	670	270 U	387 J	58	20-125	D
Bis(2-chloroethoxy)methane	670	270 U	280 J	42	45-110	J D
Bis(2-chloroethyl)ether	670	33 U	292 J	44	40-105	D
bis (2-chloroisopropyl) ether	670	270 U	317 J	47	20-115	D
Bis(2-ethylhexyl) phthalate	670	270 U	528	79	45-125	D
4-Bromophenyl phenyl ether	670	270 U	319 J	48	45-115	D
Butyl benzyl phthalate	670	270 U	427 J	64	50-125	D
Carbazole	670	270 U	370 J	55	45-115	D
4-Chloroaniline	670	270 U	196 J	29	10-95	D
4-Chloro-3-methylphenol	670	270 U	362 J	54	45-115	D
2-Chloronaphthalene	670	33 U	313 J	47	45-105	D
2-Chlorophenol	670	270 U	368 J	55	45-105	D
4-Chlorophenyl phenyl ether	670	270 U	326 J	49	45-110	D
Chrysene	670	33 U	435	65	55-110	D
Dibenz(a,h)anthracene	670	33 U	252	38	40-125	J D
Dibenzofuran	670	33 U	391 J	58	50-105	D
1,2-Dichlorobenzene	670	270 U	286 J	43	45-95	J D
1,3-Dichlorobenzene	670	270 U	285 J	43	40-100	D
1,4-Dichlorobenzene	670	270 U	359 J	54	35-105	D
3,3'-Dichlorobenzidine	670	810 U	800 U	0	10-130	J
2,4-Dichlorophenol	670	270 U	379 J	57	45-110	D
Diethyl phthalate	670	270 U	412 J	62	50-115	D
2,4-Dimethylphenol	670	810 U	333 J	50	30-105	D
Dimethyl phthalate	670	270 U	406 J	61	50-110	D
Di-n-butyl phthalate	670	270 U	422 J	63	55-110	D
4,6-Dinitro-2-methylphenol	670	810 U	800 U	NC	30-135	
2,4-Dinitrophenol	670	810 U	876 J	NC	15-130	D
2,4-Dinitrotoluene	670	270 U	439 J	66	50-115	D
2,6-Dinitrotoluene	670	270 U	462 J	69	50-110	D
Di-n-octyl phthalate	670	270 U	586	88	40-130	D
Fluoranthene	670	33 U	398	59	55-115	D
Fluorene	670	33 U	383	57	50-110	D
Hexachlorobenzene	670	33 U	352	53	45-120	D

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21229016.D

Lab ID: 240-18581-3 MS Client ID: 070SB-044M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Hexachlorobutadiene	670	270 U	295 J	44	40-115	D
Hexachloroethane	670	270 U	287 J	43	35-110	D
Indeno[1,2,3-cd]pyrene	670	33 U	243	36	40-120	J D
Isophorone	670	270 U	383 J	57	45-110	D
2-Methylnaphthalene	670	33 U	384	57	45-105	D
2-Methylphenol	670	810 U	800 U	NC	40-105	
3 & 4 Methylphenol	1340	810 U	722 J	54	40-105	D
Naphthalene	670	33 U	389	58	40-105	D
2-Nitroaniline	670	270 U	360 J	54	45-120	D
3-Nitroaniline	670	810 U	298 J	44	25-110	D
4-Nitroaniline	670	270 U	303 J	45	35-115	D
Nitrobenzene	670	33 U	292 J	44	40-115	D
2-Nitrophenol	670	270 U	363 J	54	40-110	D
4-Nitrophenol	670	810 U	800 U	NC	15-140	
N-Nitrosodi-n-propylamine	670	270 U	369 J	55	40-115	D
N-Nitrosodiphenylamine	670	270 U	439 J	66	50-115	D
Pentachlorophenol	670	810 U	800 U	NC	25-120	
Phenanthrene	670	33 U	408	61	50-110	D
Phenol	670	270 U	385 J	58	40-100	D
Pyrene	670	33 U	424	63	45-125	D
1,2,4-Trichlorobenzene	670	270 U	296 J	44	45-110	J D
2,4,5-Trichlorophenol	670	270 U	384 J	57	50-110	D
2,4,6-Trichlorophenol	670	810 U	800 U	NC	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21226009.D

Lab ID: 240-18581-21 MS Client ID: 070SB-0052M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	662	33 U	389	59	45-110	D
Acenaphthylene	662	33 U	385	58	45-105	D
Anthracene	662	33 U	394	60	55-105	D
Benzo[a]anthracene	662	33 U	412	62	50-110	D
Benzo[a]pyrene	662	33 U	303	46	50-110	J D
Benzo[b]fluoranthene	662	33 U	375	57	45-115	D
Benzo[g,h,i]perylene	662	33 U	393	59	40-125	D
Benzoic acid	662	3300 U	3300 U	NC	0-110	
Benzo[k]fluoranthene	662	33 U	345	52	45-125	D
Benzyl alcohol	662	270 U	326 J	49	20-125	D
Bis(2-chloroethoxy)methane	662	270 U	335 J	51	45-110	D
Bis(2-chloroethyl)ether	662	33 U	326 J	49	40-105	D
bis (2-chloroisopropyl) ether	662	270 U	314 J	47	20-115	D
Bis(2-ethylhexyl) phthalate	662	270 U	368 J	56	45-125	D
4-Bromophenyl phenyl ether	662	270 U	379 J	57	45-115	D
Butyl benzyl phthalate	662	270 U	336 J	51	50-125	D
Carbazole	662	270 U	385 J	58	45-115	D
4-Chloroaniline	662	270 U	280 J	42	10-95	D
4-Chloro-3-methylphenol	662	270 U	370 J	56	45-115	D
2-Chloronaphthalene	662	33 U	347 J	52	45-105	D
2-Chlorophenol	662	270 U	400 J	60	45-105	D
4-Chlorophenyl phenyl ether	662	270 U	339 J	51	45-110	D
Chrysene	662	33 U	451	68	55-110	D
Dibenz(a,h)anthracene	662	33 U	326	49	40-125	D
Dibenzofuran	662	33 U	394 J	60	50-105	D
1,2-Dichlorobenzene	662	270 U	299 J	45	45-95	D
1,3-Dichlorobenzene	662	270 U	302 J	46	40-100	D
1,4-Dichlorobenzene	662	270 U	358 J	54	35-105	D
3,3'-Dichlorobenzidine	662	800 U	790 U	0	10-130	J
2,4-Dichlorophenol	662	270 U	385 J	58	45-110	D
Diethyl phthalate	662	270 U	411 J	62	50-115	D
2,4-Dimethylphenol	662	800 U	302 J	46	30-105	D
Dimethyl phthalate	662	270 U	418 J	63	50-110	D
Di-n-butyl phthalate	662	270 U	366 J	55	55-110	D
4,6-Dinitro-2-methylphenol	662	800 U	790 U	NC	30-135	
2,4-Dinitrophenol	662	800 U	821 J	NC	15-130	D
2,4-Dinitrotoluene	662	270 U	405 J	61	50-115	D
2,6-Dinitrotoluene	662	270 U	429 J	65	50-110	D
Di-n-octyl phthalate	662	270 U	379 J	57	40-130	D
Fluoranthene	662	33 U	415	63	55-115	D
Fluorene	662	33 U	420	64	50-110	D
Hexachlorobenzene	662	33 U	376	57	45-120	D

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21226009.D

Lab ID: 240-18581-21 MS Client ID: 070SB-0052M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Hexachlorobutadiene	662	270 U	326 J	49	40-115	D
Hexachloroethane	662	270 U	312 J	47	35-110	D
Indeno[1,2,3-cd]pyrene	662	33 U	351	53	40-120	D
Isophorone	662	270 U	389 J	59	45-110	D
2-Methylnaphthalene	662	33 U	409	62	45-105	D
2-Methylphenol	662	800 U	790 U	NC	40-105	
3 & 4 Methylphenol	1320	800 U	745 J	56	40-105	D
Naphthalene	662	33 U	390	59	40-105	D
2-Nitroaniline	662	270 U	302 J	46	45-120	D
3-Nitroaniline	662	800 U	310 J	47	25-110	D
4-Nitroaniline	662	270 U	272 J	41	35-115	D
Nitrobenzene	662	33 U	305 J	46	40-115	D
2-Nitrophenol	662	270 U	338 J	51	40-110	D
4-Nitrophenol	662	800 U	790 U	NC	15-140	
N-Nitrosodi-n-propylamine	662	270 U	358 J	54	40-115	D
N-Nitrosodiphenylamine	662	270 U	392 J	59	50-115	D
Pentachlorophenol	662	800 U	790 U	NC	25-120	
Phenanthrene	662	33 U	448	68	50-110	D
Phenol	662	270 U	393 J	59	40-100	D
Pyrene	662	33 U	406	61	45-125	D
1,2,4-Trichlorobenzene	662	270 U	342 J	52	45-110	D
2,4,5-Trichlorophenol	662	270 U	355 J	54	50-110	D
2,4,6-Trichlorophenol	662	800 U	790 U	NC	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21229022.D

Lab ID: 240-18581-1 MSD Client ID: 070SB-0042M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	662	744	56	4	30	45-110	D
Acenaphthylene	662	478	60	9	30	45-105	D
Anthracene	662	463	70	10	30	55-105	D
Benzo[a]anthracene	662	570	65	12	30	50-110	D
Benzo[a]pyrene	662	413	56	13	30	50-110	D
Benzo[b]fluoranthene	662	489	69	12	30	45-115	D
Benzo[g,h,i]perylene	662	294	36	13	30	40-125	D J
Benzoic acid	662	3300 U	NC	NC	30	0-110	
Benzo[k]fluoranthene	662	446	67	11	30	45-125	D
Benzyl alcohol	662	380 J	57	12	30	20-125	D
Bis(2-chloroethoxy)methane	662	308 J	46	7	30	45-110	D
Bis(2-chloroethyl)ether	662	287 J	43	5	30	40-105	D
bis (2-chloroisopropyl) ether	662	306 J	46	13	30	20-115	D
Bis(2-ethylhexyl) phthalate	662	622	94	8	30	45-125	D
4-Bromophenyl phenyl ether	662	374 J	57	12	30	45-115	D
Butyl benzyl phthalate	662	514	78	8	30	50-125	D
Carbazole	662	422 J	64	10	30	45-115	D
4-Chloroaniline	662	270 U	0	NC	30	10-95	J
4-Chloro-3-methylphenol	662	427 J	64	6	30	45-115	D
2-Chloronaphthalene	662	354 J	53	6	30	45-105	D
2-Chlorophenol	662	371 J	56	14	30	45-105	D
4-Chlorophenyl phenyl ether	662	377 J	57	7	30	45-110	D
Chrysene	662	679	74	9	30	55-110	D
Dibenz(a,h)anthracene	662	236	36	25	30	40-125	D J
Dibenzofuran	662	624	57	6	30	50-105	D
1,2-Dichlorobenzene	662	281 J	42	7	30	45-95	D J
1,3-Dichlorobenzene	662	254 J	38	16	30	40-100	D J
1,4-Dichlorobenzene	662	345 J	52	4	30	35-105	D
3,3'-Dichlorobenzidine	662	790 U	0	NC	30	10-130	J
2,4-Dichlorophenol	662	399 J	60	12	30	45-110	D
Diethyl phthalate	662	464 J	70	10	30	50-115	D
2,4-Dimethylphenol	662	385 J	58	14	30	30-105	D
Dimethyl phthalate	662	472 J	71	6	30	50-110	D
Di-n-butyl phthalate	662	492 J	74	8	30	55-110	D
4,6-Dinitro-2-methylphenol	662	790 U	NC	NC	30	30-135	
2,4-Dinitrophenol	662	790 U	NC	NC	30	15-130	
2,4-Dinitrotoluene	662	577 J	87	1	30	50-115	D
2,6-Dinitrotoluene	662	474 J	72	11	30	50-110	D
Di-n-octyl phthalate	662	684	103	11	30	40-130	D
Fluoranthene	662	601	65	7	30	55-115	D
Fluorene	662	975	48	10	30	50-110	D J
Hexachlorobenzene	662	372	56	8	30	45-120	D

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21229022.D

Lab ID: 240-18581-1 MSD Client ID: 070SB-0042M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachlorobutadiene	662	295 J	45	13	30	40-115	D
Hexachloroethane	662	281 J	42	16	30	35-110	D
Indeno[1,2,3-cd]pyrene	662	296	45	0	30	40-120	D
Isophorone	662	382 J	58	13	30	45-110	D
2-Methylnaphthalene	662	943	40	15	30	45-105	D J
2-Methylphenol	662	790 U	NC	NC	30	40-105	
3 & 4 Methylphenol	1320	777 J	59	14	30	40-105	D
Naphthalene	662	399	53	13	30	40-105	D
2-Nitroaniline	662	398 J	60	20	30	45-120	D
3-Nitroaniline	662	206 J	31	17	30	25-110	D
4-Nitroaniline	662	381 J	58	1	30	35-115	D
Nitrobenzene	662	309 J	47	9	30	40-115	D
2-Nitrophenol	662	298 J	45	25	30	40-110	D
4-Nitrophenol	662	790 U	NC	NC	30	15-140	
N-Nitrosodi-n-propylamine	662	389 J	59	2	30	40-115	D
N-Nitrosodiphenylamine	662	1280	193	12	30	50-115	J D
Pentachlorophenol	662	790 U	NC	NC	30	25-120	
Phenanthrene	662	1380	51	10	30	50-110	D
Phenol	662	407 J	62	9	30	40-100	D
Pyrene	662	1360	53	12	30	45-125	D
1,2,4-Trichlorobenzene	662	296 J	45	11	30	45-110	D
2,4,5-Trichlorophenol	662	436 J	66	12	30	50-110	D
2,4,6-Trichlorophenol	662	790 U	NC	NC	30	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21229017.D

Lab ID: 240-18581-3 MSD Client ID: 070SB-044M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	670	376	56	5	30	45-110	D
Acenaphthylene	670	375	56	3	30	45-105	D
Anthracene	670	402	60	0	30	55-105	D
Benzo[a]anthracene	670	415	62	3	30	50-110	D
Benzo[a]pyrene	670	372	56	8	30	50-110	D
Benzo[b]fluoranthene	670	423	63	12	30	45-115	D
Benzo[g,h,i]perylene	670	253	38	5	30	40-125	D J
Benzoic acid	670	3300 U	NC	NC	30	0-110	
Benzo[k]fluoranthene	670	419	62	2	30	45-125	D
Benzyl alcohol	670	363 J	54	7	30	20-125	D
Bis(2-chloroethoxy)methane	670	303 J	45	8	30	45-110	D
Bis(2-chloroethyl)ether	670	293 J	44	0	30	40-105	D
bis (2-chloroisopropyl) ether	670	322 J	48	2	30	20-115	D
Bis(2-ethylhexyl) phthalate	670	568	85	7	30	45-125	D
4-Bromophenyl phenyl ether	670	365 J	54	14	30	45-115	D
Butyl benzyl phthalate	670	459 J	69	7	30	50-125	D
Carbazole	670	403 J	60	9	30	45-115	D
4-Chloroaniline	670	270 U	0	200	30	10-95	J
4-Chloro-3-methylphenol	670	389 J	58	7	30	45-115	D
2-Chloronaphthalene	670	309 J	46	1	30	45-105	D
2-Chlorophenol	670	353 J	53	4	30	45-105	D
4-Chlorophenyl phenyl ether	670	340 J	51	4	30	45-110	D
Chrysene	670	452	67	4	30	55-110	D
Dibenz(a,h)anthracene	670	247	37	2	30	40-125	D M J
Dibenzofuran	670	393 J	59	1	30	50-105	D
1,2-Dichlorobenzene	670	278 J	41	3	30	45-95	D J
1,3-Dichlorobenzene	670	268 J	40	6	30	40-100	D
1,4-Dichlorobenzene	670	361 J	54	1	30	35-105	D
3,3'-Dichlorobenzidine	670	800 U	0	NC	30	10-130	J
2,4-Dichlorophenol	670	365 J	54	4	30	45-110	D
Diethyl phthalate	670	406 J	61	1	30	50-115	D
2,4-Dimethylphenol	670	307 J	46	8	30	30-105	D
Dimethyl phthalate	670	403 J	60	1	30	50-110	D
Di-n-butyl phthalate	670	440 J	66	4	30	55-110	D
4,6-Dinitro-2-methylphenol	670	800 U	NC	NC	30	30-135	
2,4-Dinitrophenol	670	859 J	NC	2	30	15-130	D
2,4-Dinitrotoluene	670	452 J	67	3	30	50-115	D
2,6-Dinitrotoluene	670	464 J	69	1	30	50-110	D
Di-n-octyl phthalate	670	607	91	4	30	40-130	D
Fluoranthene	670	424	63	6	30	55-115	D
Fluorene	670	407	61	6	30	50-110	D
Hexachlorobenzene	670	384	57	8	30	45-120	D

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21229017.D

Lab ID: 240-18581-3 MSD Client ID: 070SB-044M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachlorobutadiene	670	285 J	43	3	30	40-115	D
Hexachloroethane	670	273 J	41	5	30	35-110	D
Indeno[1,2,3-cd]pyrene	670	263	39	8	30	40-120	D J
Isophorone	670	357 J	53	7	30	45-110	D
2-Methylnaphthalene	670	394	59	3	30	45-105	D
2-Methylphenol	670	800 U	NC	NC	30	40-105	
3 & 4 Methylphenol	1340	726 J	54	0	30	40-105	D
Naphthalene	670	403	60	4	30	40-105	D
2-Nitroaniline	670	389 J	58	8	30	45-120	D
3-Nitroaniline	670	282 J	42	5	30	25-110	D
4-Nitroaniline	670	312 J	46	3	30	35-115	D
Nitrobenzene	670	277 J	41	6	30	40-115	D
2-Nitrophenol	670	299 J	45	19	30	40-110	D
4-Nitrophenol	670	800 U	NC	NC	30	15-140	
N-Nitrosodi-n-propylamine	670	379 J	57	3	30	40-115	D
N-Nitrosodiphenylamine	670	456 J	68	4	30	50-115	D
Pentachlorophenol	670	800 U	NC	NC	30	25-120	
Phenanthrene	670	429	64	5	30	50-110	D
Phenol	670	350 J	52	10	30	40-100	D
Pyrene	670	428	64	1	30	45-125	D
1,2,4-Trichlorobenzene	670	289 J	43	3	30	45-110	D J
2,4,5-Trichlorophenol	670	408 J	61	6	30	50-110	D
2,4,6-Trichlorophenol	670	800 U	NC	NC	30	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21226010.D

Lab ID: 240-18581-21 MSD Client ID: 070SB-0052M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	668	420	63	8	30	45-110	D
Acenaphthylene	668	420	63	9	30	45-105	D
Anthracene	668	433	65	9	30	55-105	D
Benzo[a]anthracene	668	465	70	12	30	50-110	D
Benzo[a]pyrene	668	350	52	14	30	50-110	D
Benzo[b]fluoranthene	668	381	57	1	30	45-115	D
Benzo[g,h,i]perylene	668	400	60	2	30	40-125	D
Benzoic acid	668	3300 U	NC	NC	30	0-110	
Benzo[k]fluoranthene	668	464	69	29	30	45-125	D
Benzyl alcohol	668	351 J	52	7	30	20-125	D
Bis(2-chloroethoxy)methane	668	334 J	50	0	30	45-110	D
Bis(2-chloroethyl)ether	668	338 J	51	4	30	40-105	D
bis (2-chloroisopropyl) ether	668	316 J	47	1	30	20-115	D
Bis(2-ethylhexyl) phthalate	668	413 J	62	12	30	45-125	D
4-Bromophenyl phenyl ether	668	382 J	57	1	30	45-115	D
Butyl benzyl phthalate	668	370 J	55	10	30	50-125	D
Carbazole	668	435 J	65	12	30	45-115	D
4-Chloroaniline	668	229 J	34	20	30	10-95	D
4-Chloro-3-methylphenol	668	392 J	59	6	30	45-115	D
2-Chloronaphthalene	668	365 J	55	5	30	45-105	D
2-Chlorophenol	668	411 J	62	3	30	45-105	D
4-Chlorophenyl phenyl ether	668	375 J	56	10	30	45-110	D
Chrysene	668	506	76	11	30	55-110	D
Dibenz(a,h)anthracene	668	341	51	4	30	40-125	D
Dibenzofuran	668	437 J	65	10	30	50-105	D
1,2-Dichlorobenzene	668	325 J	49	8	30	45-95	D
1,3-Dichlorobenzene	668	324 J	49	7	30	40-100	D
1,4-Dichlorobenzene	668	413 J	62	14	30	35-105	D
3,3'-Dichlorobenzidine	668	800 U	0	NC	30	10-130	J
2,4-Dichlorophenol	668	408 J	61	6	30	45-110	D
Diethyl phthalate	668	424 J	64	3	30	50-115	D
2,4-Dimethylphenol	668	319 J	48	6	30	30-105	D
Dimethyl phthalate	668	459 J	69	9	30	50-110	D
Di-n-butyl phthalate	668	413 J	62	12	30	55-110	D
4,6-Dinitro-2-methylphenol	668	800 U	NC	NC	30	30-135	
2,4-Dinitrophenol	668	800 U	NC	200	30	15-130	J
2,4-Dinitrotoluene	668	460 J	69	13	30	50-115	D
2,6-Dinitrotoluene	668	464 J	70	8	30	50-110	D
Di-n-octyl phthalate	668	394 J	59	4	30	40-130	D
Fluoranthene	668	456	68	9	30	55-115	D
Fluorene	668	440	66	5	30	50-110	D
Hexachlorobenzene	668	384	58	2	30	45-120	D

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21226010.D

Lab ID: 240-18581-21 MSD Client ID: 070SB-0052M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachlorobutadiene	668	325 J	49	0	30	40-115	D
Hexachloroethane	668	333 J	50	7	30	35-110	D
Indeno[1,2,3-cd]pyrene	668	379	57	8	30	40-120	D
Isophorone	668	398 J	60	2	30	45-110	D
2-Methylnaphthalene	668	431	64	5	30	45-105	D
2-Methylphenol	668	800 U	NC	NC	30	40-105	
3 & 4 Methylphenol	1340	790 J	59	6	30	40-105	D
Naphthalene	668	419	63	7	30	40-105	D
2-Nitroaniline	668	325 J	49	7	30	45-120	D
3-Nitroaniline	668	330 J	49	6	30	25-110	D
4-Nitroaniline	668	327 J	49	18	30	35-115	D
Nitrobenzene	668	332 J	50	8	30	40-115	D
2-Nitrophenol	668	365 J	55	8	30	40-110	D
4-Nitrophenol	668	800 U	NC	NC	30	15-140	
N-Nitrosodi-n-propylamine	668	390 J	58	8	30	40-115	D
N-Nitrosodiphenylamine	668	430 J	64	9	30	50-115	D
Pentachlorophenol	668	800 U	NC	NC	30	25-120	
Phenanthrene	668	496	74	10	30	50-110	D
Phenol	668	427 J	64	8	30	40-100	D
Pyrene	668	466	70	14	30	45-125	D
1,2,4-Trichlorobenzene	668	337 J	50	2	30	45-110	D
2,4,5-Trichlorophenol	668	371 J	55	4	30	50-110	D
2,4,6-Trichlorophenol	668	800 U	NC	NC	30	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: 21228005.D Lab Sample ID: MB 240-69432/23-A

Matrix: Solid Date Extracted: 12/19/2012 13:03

Instrument ID: A4HP7 Date Analyzed: 12/28/2012 11:25

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-69432/24-A	21228006.D	12/28/2012 11:48
070SB-0050M-0001-SO	240-18581-19	21228012.D	12/28/2012 14:54
070SB-0049M-0001-SO	240-18581-18	21228013.D	12/28/2012 15:17
070SS-0048M-0001-SO	240-18581-17	21228014.D	12/28/2012 15:40
072SB-0073-0001-SO	240-18581-16	21228015.D	12/28/2012 16:03
072SB-0072-0001-SO	240-18581-15	21228016.D	12/28/2012 16:27
072SB-0071-0001-SO	240-18581-14	21228017.D	12/28/2012 16:50
072SB-0070-0001-SO	240-18581-13	21229006.D	12/29/2012 14:09
072SB-0060-0001-SO	240-18581-11	21229007.D	12/29/2012 14:32
072SB-0059-0001-SO	240-18581-10	21229008.D	12/29/2012 14:56
072SB-0056-0001-SO	240-18581-7	21229009.D	12/29/2012 15:19
072SB-0058-0001-SO	240-18581-9	21229010.D	12/29/2012 15:42
072SB-0057-0001-SO	240-18581-8	21229011.D	12/29/2012 16:05
070SB-043M-0001-SO	240-18581-2	21229014.D	12/29/2012 17:15
070SB-044M-0001-SO	240-18581-3	21229015.D	12/29/2012 17:39
070SB-044M-0001-SO MS	240-18581-3 MS	21229016.D	12/29/2012 18:03
070SB-044M-0001-SO MSD	240-18581-3 MSD	21229017.D	12/29/2012 18:26
070SB-047M-0001-SO	240-18581-6	21229018.D	12/29/2012 18:49
070SB-045M-0001-SO	240-18581-4	21229019.D	12/29/2012 19:13
070SB-0042M-0001-SO	240-18581-1	21229020.D	12/29/2012 19:36
070SB-0042M-0001-SO MS	240-18581-1 MS	21229021.D	12/29/2012 20:00
070SB-0042M-0001-SO MSD	240-18581-1 MSD	21229022.D	12/29/2012 20:23
070SB-046M-0001-SO	240-18581-5	21229023.D	12/29/2012 20:46

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: 21226004.D Lab Sample ID: MB 240-69446/11-A

Matrix: Solid Date Extracted: 12/19/2012 13:55

Instrument ID: A4HP7 Date Analyzed: 12/26/2012 10:01

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-69446/12-A	21226005.D	12/26/2012 10:25
070SB-0052M-0001-SO	240-18581-21	21226008.D	12/26/2012 11:35
070SB-0052M-0001-SO MS	240-18581-21 MS	21226009.D	12/26/2012 11:58
070SB-0052M-0001-SO MSD	240-18581-21 MSD	21226010.D	12/26/2012 12:21
070SB-0053M-0001-SO	240-18581-22	21226011.D	12/26/2012 12:45
070SB-0054M-0001-SO	240-18581-23	21226012.D	12/26/2012 13:08
070SB-0051M-0001-SO	240-18581-20	21226013.D	12/26/2012 13:32

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: 21220001.D DFTPP Injection Date: 12/20/2012

Instrument ID: A4HP7 DFTPP Injection Time: 13:24

Analysis Batch No.: 69576

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	52.0	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	44.7	
70	Less than 2.0% of mass 69	0.2	(0.5)1
127	25.0 - 75.0% of mass 198	52.5	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.9	
275	10.0- 30.0% of mass 198	21.8	
365	Greater than 0.75% of mass 198	2.3	
441	Present, but less than mass 443	8.5	
442	40.0 - 110.0% of mass 198	57.8	
443	15.0 - 24.0% of mass 442	10.5	(18.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-69576/2	21220002.D	12/20/2012	13:47
	STD4 240-69576/3	21220003.D	12/20/2012	14:11
	STD3 240-69576/4	21220004.D	12/20/2012	14:34
	STD2 240-69576/5	21220005.D	12/20/2012	14:58
	STD1 240-69576/6	21220006.D	12/20/2012	15:21
	STD9 240-69576/7	21220007.D	12/20/2012	15:45
	STD8 240-69576/8	21220008.D	12/20/2012	16:08
	STD7 240-69576/9	21220009.D	12/20/2012	16:32
	STD6 240-69576/10	21220010.D	12/20/2012	16:55

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: 21221001.D DFTPP Injection Date: 12/21/2012

Instrument ID: A4HP7 DFTPP Injection Time: 10:49

Analysis Batch No.: 69733

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	49.4	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	43.0	
70	Less than 2.0% of mass 69	0.2	(0.5)1
127	25.0 - 75.0% of mass 198	50.7	
197	Less than 1.0% of mass 198	0.6	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.2	
275	10.0- 30.0% of mass 198	21.5	
365	Greater than 0.75% of mass 198	2.3	
441	Present, but less than mass 443	8.5	
442	40.0 - 110.0% of mass 198	57.8	
443	15.0 - 24.0% of mass 442	10.8	(18.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 240-69733/12	21221012.D	12/21/2012	11:34

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: 21226001.D DFTPP Injection Date: 12/26/2012

Instrument ID: A4HP7 DFTPP Injection Time: 08:52

Analysis Batch No.: 70078

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	50.0	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	43.5	
70	Less than 2.0% of mass 69	0.1	(0.3)1
127	25.0 - 75.0% of mass 198	50.1	
197	Less than 1.0% of mass 198	0.5	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	7.2	
275	10.0- 30.0% of mass 198	22.3	
365	Greater than 0.75% of mass 198	2.1	
441	Present, but less than mass 443	8.2	
442	40.0 - 110.0% of mass 198	60.8	
443	15.0 - 24.0% of mass 442	10.8	(17.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-70078/2	21226002.D	12/26/2012	09:15
	MRL 240-70078/3	21226003.D	12/26/2012	09:38
	MB 240-69446/11-A	21226004.D	12/26/2012	10:01
	LCS 240-69446/12-A	21226005.D	12/26/2012	10:25
070SB-0052M-0001-SO	240-18581-21	21226008.D	12/26/2012	11:35
070SB-0052M-0001-SO MS	240-18581-21 MS	21226009.D	12/26/2012	11:58
070SB-0052M-0001-SO MSD	240-18581-21 MSD	21226010.D	12/26/2012	12:21
070SB-0053M-0001-SO	240-18581-22	21226011.D	12/26/2012	12:45
070SB-0054M-0001-SO	240-18581-23	21226012.D	12/26/2012	13:08
070SB-0051M-0001-SO	240-18581-20	21226013.D	12/26/2012	13:32
	MRL 240-70078/16	21226016.D	12/26/2012	14:42

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: 21228001.D DFTPP Injection Date: 12/28/2012

Instrument ID: A4HP7 DFTPP Injection Time: 09:38

Analysis Batch No.: 70417

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	51.9	
68	Less than 2.0% of mass 69	0.3	(0.8)1
69	Mass 69 relative abundance	43.6	
70	Less than 2.0% of mass 69	0.2	(0.5)1
127	25.0 - 75.0% of mass 198	50.0	
197	Less than 1.0% of mass 198	0.3	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.1	
275	10.0- 30.0% of mass 198	22.7	
365	Greater than 0.75% of mass 198	2.6	
441	Present, but less than mass 443	9.0	
442	40.0 - 110.0% of mass 198	62.9	
443	15.0 - 24.0% of mass 442	11.2	(17.9)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-70417/2	21228002.D	12/28/2012	10:14
	CCV 240-70417/3	21228003.D	12/28/2012	10:37
	MRL 240-70417/4	21228004.D	12/28/2012	11:00
	MB 240-69432/23-A	21228005.D	12/28/2012	11:25
	LCS 240-69432/24-A	21228006.D	12/28/2012	11:48
070SB-0050M-0001-SO	240-18581-19	21228012.D	12/28/2012	14:54
070SB-0049M-0001-SO	240-18581-18	21228013.D	12/28/2012	15:17
070SS-0048M-0001-SO	240-18581-17	21228014.D	12/28/2012	15:40
072SB-0073-0001-SO	240-18581-16	21228015.D	12/28/2012	16:03
072SB-0072-0001-SO	240-18581-15	21228016.D	12/28/2012	16:27
072SB-0071-0001-SO	240-18581-14	21228017.D	12/28/2012	16:50
	MRL 240-70417/18	21228018.D	12/28/2012	17:13

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: B1.D DFTPP Injection Date: 12/29/2012

Instrument ID: A4HP7 DFTPP Injection Time: 12:15

Analysis Batch No.: 70582

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	52.7	
68	Less than 2.0% of mass 69	0.3	(0.6)1
69	Mass 69 relative abundance	43.9	
70	Less than 2.0% of mass 69	0.2	(0.5)1
127	25.0 - 75.0% of mass 198	50.3	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.7	
275	10.0- 30.0% of mass 198	22.9	
365	Greater than 0.75% of mass 198	2.5	
441	Present, but less than mass 443	8.9	
442	40.0 - 110.0% of mass 198	62.9	
443	15.0 - 24.0% of mass 442	12.1	(19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-70582/2	21229002.D	12/29/2012	12:36
	MRL 240-70582/4	21229004.D	12/29/2012	13:22
072SB-0070-0001-SO	240-18581-13	21229006.D	12/29/2012	14:09
072SB-0060-0001-SO	240-18581-11	21229007.D	12/29/2012	14:32
072SB-0059-0001-SO	240-18581-10	21229008.D	12/29/2012	14:56
072SB-0056-0001-SO	240-18581-7	21229009.D	12/29/2012	15:19
072SB-0058-0001-SO	240-18581-9	21229010.D	12/29/2012	15:42
072SB-0057-0001-SO	240-18581-8	21229011.D	12/29/2012	16:05
070SB-043M-0001-SO	240-18581-2	21229014.D	12/29/2012	17:15
070SB-044M-0001-SO	240-18581-3	21229015.D	12/29/2012	17:39
070SB-044M-0001-SO MS	240-18581-3 MS	21229016.D	12/29/2012	18:03
070SB-044M-0001-SO MSD	240-18581-3 MSD	21229017.D	12/29/2012	18:26
070SB-047M-0001-SO	240-18581-6	21229018.D	12/29/2012	18:49
070SB-045M-0001-SO	240-18581-4	21229019.D	12/29/2012	19:13
070SB-0042M-0001-SO	240-18581-1	21229020.D	12/29/2012	19:36
070SB-0042M-0001-SO MS	240-18581-1 MS	21229021.D	12/29/2012	20:00
070SB-0042M-0001-SO MSD	240-18581-1 MSD	21229022.D	12/29/2012	20:23
070SB-046M-0001-SO	240-18581-5	21229023.D	12/29/2012	20:46
	MRL 240-70582/24	21229024.D	12/29/2012	21:10
	mdll 1	21229025.D	12/29/2012	21:33
	mdll 2	21229026.D	12/29/2012	21:57
	mdll 3	21229027.D	12/29/2012	22:20

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: STD6 240-69576/10 Date Analyzed: 12/20/2012 16:55

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21220010.D Heated Purge: (Y/N) N

Calibration ID: 12941

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		290605	5.93	1176661	7.04	704124	8.53
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-69733/12		212483	5.90	824008	7.02	503401	8.50
CCV 240-70078/2		214593	5.86	865513	6.98	511616	8.47
MRL 240-70078/3		216732	5.86	871891	6.98	514637	8.47
MB 240-69446/11-A		211661	5.86	852564	6.98	503478	8.47
LCS 240-69446/12-A		197898	5.86	774109	6.98	473671	8.47
240-18581-21	070SB-0052M-0001-SO	246341	5.86	947197	6.98	559028	8.47
240-18581-21 MS	070SB-0052M-0001-SO MS	261321	5.86	1000326	6.98	601960	8.47
240-18581-21 MSD	070SB-0052M-0001-SO MSD	258324	5.86	1006572	6.98	606931	8.47
240-18581-22	070SB-0053M-0001-SO	260259	5.87	1036743	6.98	614158	8.47
240-18581-23	070SB-0054M-0001-SO	252754	5.86	991856	6.98	593309	8.47
240-18581-20	070SB-0051M-0001-SO	264310	5.86	1018019	6.98	612376	8.47
MRL 240-70078/16		270485	5.86	1072570	6.98	636665	8.47
CCV 240-70417/2		228837	5.85	888529	6.96	528438	8.45
CCV 240-70417/3		223354	5.84	878310	6.96	516909	8.45
MRL 240-70417/4		242670	5.84	961377	6.96	571345	8.45
MB 240-69432/23-A		208775	5.84	840236	6.96	494446	8.45
LCS 240-69432/24-A		204625	5.84	796082	6.96	477468	8.45
240-18581-19	070SB-0050M-0001-SO	234274	5.85	920369	6.96	550715	8.45
240-18581-18	070SB-0049M-0001-SO	227384	5.85	878927	6.96	517439	8.45
240-18581-17	070SS-0048M-0001-SO	232377	5.85	911458	6.96	544015	8.45
240-18581-16	072SB-0073-0001-SO	224253	5.84	905148	6.96	540962	8.45
240-18581-15	072SB-0072-0001-SO	242567	5.84	959242	6.96	565260	8.45
240-18581-14	072SB-0071-0001-SO	240267	5.84	944406	6.96	563149	8.45
MRL 240-70417/18		331507	5.84	1322783	6.96	792883	8.45
CCV 240-70582/2		190256	5.83	761759	6.95	468874	8.44
MRL 240-70582/4		200143	5.83	800285	6.95	476988	8.44
240-18581-13	072SB-0070-0001-SO	197241	5.83	800123	6.95	477248	8.44

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: STD6 240-69576/10 Date Analyzed: 12/20/2012 16:55

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21220010.D Heated Purge: (Y/N) N

Calibration ID: 12941

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		290605	5.93	1176661	7.04	704124	8.53
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-18581-11	072SB-0060-0001-SO	197281	5.83	774935	6.95	471478	8.43
240-18581-10	072SB-0059-0001-SO	196778	5.83	799197	6.95	480448	8.43
240-18581-7	072SB-0056-0001-SO	200264	5.83	801051	6.95	485720	8.43
240-18581-9	072SB-0058-0001-SO	201109	5.83	812296	6.95	499999	8.44
240-18581-8	072SB-0057-0001-SO	208377	5.83	813894	6.95	486598	8.43
240-18581-2	070SB-043M-0001-SO	249545	5.83	1028107	6.95	617304	8.44
240-18581-3	070SB-044M-0001-SO	248988	5.83	1017577	6.95	613948	8.44
240-18581-3 MS	070SB-044M-0001-SO MS	276054	5.83	1103504	6.95	673748	8.44
240-18581-3 MSD	070SB-044M-0001-SO MSD	261405	5.83	1054714	6.95	643818	8.44
240-18581-6	070SB-047M-0001-SO	247720	5.83	998754	6.95	623351	8.43
240-18581-4	070SB-045M-0001-SO	259244	5.83	1053677	6.95	650974	8.43
240-18581-1	070SB-0042M-0001-SO	251628	5.83	1002955	6.95	616252	8.43
240-18581-1 MS	070SB-0042M-0001-SO MS	265817	5.83	1077521	6.95	666599	8.44
240-18581-1 MSD	070SB-0042M-0001-SO MSD	261606	5.83	1065084	6.95	644893	8.44
240-18581-5	070SB-046M-0001-SO	255974	5.83	1019273	6.95	626267	8.43
MRL 240-70582/24		236600	5.83	937836	6.95	575062	8.43
mdll 1 LODV		274489	5.83	1105791	6.95	660092	8.43
mdll 2 LODV		248182	5.83	1000743	6.95	614288	8.43
mdll 3 LODV		282214	5.83	1163426	6.95	694458	8.43

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: STD6 240-69576/10 Date Analyzed: 12/20/2012 16:55

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21220010.D Heated Purge: (Y/N) N

Calibration ID: 12941

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1125932	9.79	1198460	12.34	979934	14.41
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-69733/12		800103	9.76	902978	12.30	709457	14.35
CCV 240-70078/2		805358	9.72	830096	12.24	685405	14.27
MRL 240-70078/3		819165	9.72	871781	12.24	690664	14.27
MB 240-69446/11-A		778105	9.72	809572	12.24	636442	14.27
LCS 240-69446/12-A		744307	9.72	786051	12.24	616244	14.27
240-18581-21	070SB-0052M-0001-SO	899868	9.72	908824	12.24	714609	14.27
240-18581-21 MS	070SB-0052M-0001-SO MS	955892	9.72	989510	12.24	762824	14.27
240-18581-21 MSD	070SB-0052M-0001-SO MSD	965513	9.72	993487	12.24	787120	14.27
240-18581-22	070SB-0053M-0001-SO	976639	9.72	1004941	12.24	786768	14.27
240-18581-23	070SB-0054M-0001-SO	976618	9.72	964587	12.24	803534	14.27
240-18581-20	070SB-0051M-0001-SO	997698	9.72	1025417	12.24	853835	14.27
MRL 240-70078/16		1038868	9.72	1066493	12.24	868287	14.27
CCV 240-70417/2		844724	9.71	896695	12.21	745520	14.23
CCV 240-70417/3		823496	9.70	851334	12.20	725256	14.23
MRL 240-70417/4		885216	9.70	934021	12.20	760786	14.23
MB 240-69432/23-A		769017	9.70	773159	12.20	607203	14.23
LCS 240-69432/24-A		726705	9.70	792126	12.20	597338	14.23
240-18581-19	070SB-0050M-0001-SO	867549	9.70	895246	12.20	764554	14.23
240-18581-18	070SB-0049M-0001-SO	840317	9.70	855624	12.20	735994	14.23
240-18581-17	070SS-0048M-0001-SO	867929	9.70	885308	12.20	769189	14.23
240-18581-16	072SB-0073-0001-SO	856346	9.70	863886	12.20	764613	14.23
240-18581-15	072SB-0072-0001-SO	917038	9.70	918121	12.20	808691	14.23
240-18581-14	072SB-0071-0001-SO	882385	9.70	924872	12.20	773489	14.23
MRL 240-70417/18		1294885	9.70	1338016	12.20	1113058	14.23
CCV 240-70582/2		735525	9.69	774609	12.18	563153	14.20
MRL 240-70582/4		770689	9.69	823517	12.18	533847	14.20
240-18581-13	072SB-0070-0001-SO	769141	9.69	795436	12.18	560571	14.20

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: STD6 240-69576/10 Date Analyzed: 12/20/2012 16:55

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21220010.D Heated Purge: (Y/N) N

Calibration ID: 12941

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1125932	9.79	1198460	12.34	979934	14.41
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-18581-11	072SB-0060-0001-SO	751640	9.69	751984	12.18	528289	14.20
240-18581-10	072SB-0059-0001-SO	786009	9.69	769039	12.18	519544	14.20
240-18581-7	072SB-0056-0001-SO	791251	9.69	768314	12.18	545403	14.19
240-18581-9	072SB-0058-0001-SO	801975	9.69	790621	12.18	559265	14.20
240-18581-8	072SB-0057-0001-SO	802070	9.69	778540	12.18	546066	14.19
240-18581-2	070SB-043M-0001-SO	999630	9.69	996304	12.18	679547	14.20
240-18581-3	070SB-044M-0001-SO	999205	9.69	984493	12.18	676956	14.20
240-18581-3 MS	070SB-044M-0001-SO MS	1090655	9.69	1052241	12.18	739340	14.19
240-18581-3 MSD	070SB-044M-0001-SO MSD	1047242	9.69	1033764	12.18	698387	14.20
240-18581-6	070SB-047M-0001-SO	974212	9.69	948402	12.18	647572	14.20
240-18581-4	070SB-045M-0001-SO	1058080	9.69	1015655	12.18	670402	14.19
240-18581-1	070SB-0042M-0001-SO	989479	9.69	984512	12.18	677809	14.20
240-18581-1 MS	070SB-0042M-0001-SO MS	1066897	9.69	1050477	12.18	696475	14.20
240-18581-1 MSD	070SB-0042M-0001-SO MSD	1057116	9.69	1017099	12.18	692998	14.20
240-18581-5	070SB-046M-0001-SO	1013225	9.69	958818	12.18	619449	14.19
MRL 240-70582/24		938711	9.69	928565	12.18	569652	14.19
mdll 1 LODV		1080151	9.69	1025673	12.18	623556	14.20
mdll 2 LODV		1015508	9.69	973962	12.18	575362	14.20
mdll 3 LODV		1146524	9.69	1106380	12.18	663144	14.19

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO | Lab Sample ID: 240-18581-1

Matrix: Solid | Lab File ID: 21229020.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.28(g) | Date Analyzed: 12/29/2012 19:36

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	380	D	66	33	33
208-96-8	Acenaphthylene	79	D	66	33	33
120-12-7	Anthracene	33	U	66	33	33
56-55-3	Benzo[a]anthracene	140	D	66	33	33
50-32-8	Benzo[a]pyrene	41	J D	66	33	33
205-99-2	Benzo[b]fluoranthene	34	J D M	66	33	33
191-24-2	Benzo[g,h,i]perylene	57	J D M	66	33	33
65-85-0	Benzoic acid	3300	U	6500	3300	3300
207-08-9	Benzo[k]fluoranthene	33	U	66	33	33
100-51-6	Benzyl alcohol	270	U	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	270	U	990	270	220
111-44-4	Bis(2-chloroethyl)ether	33	U	990	33	20
108-60-1	bis (2-chloroisopropyl) ether	270	U	990	270	94
117-81-7	Bis(2-ethylhexyl) phthalate	270	U	500	270	190
101-55-3	4-Bromophenyl phenyl ether	270	U	500	270	130
85-68-7	Butyl benzyl phthalate	270	U	500	270	99
86-74-8	Carbazole	270	U	500	270	270
106-47-8	4-Chloroaniline	270	U J	1500	270	170
59-50-7	4-Chloro-3-methylphenol	270	U	1500	270	210
91-58-7	2-Chloronaphthalene	33	U	500	33	33
95-57-8	2-Chlorophenol	270	U	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	270	U	500	270	130
218-01-9	Chrysene	190	D	66	33	11
53-70-3	Dibenz(a,h)anthracene	33	U J	66	33	33
132-64-9	Dibenzofuran	250	J D	500	33	33
95-50-1	1,2-Dichlorobenzene	270	U J	500	270	96
541-73-1	1,3-Dichlorobenzene	270	U J	500	270	110
106-46-7	1,4-Dichlorobenzene	270	U	500	270	200
91-94-1	3,3'-Dichlorobenzidine	790	U J	990	790	180
120-83-2	2,4-Dichlorophenol	270	U	1500	270	200
84-66-2	Diethyl phthalate	270	U	500	270	160
105-67-9	2,4-Dimethylphenol	790	U	1500	790	200
131-11-3	Dimethyl phthalate	270	U	500	270	170
84-74-2	Di-n-butyl phthalate	270	U	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO | Lab Sample ID: 240-18581-1

Matrix: Solid | Lab File ID: 21229020.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.28(g) | Date Analyzed: 12/29/2012 19:36

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	790	U	1500	790	790
51-28-5	2,4-Dinitrophenol	790	U	3300	790	790
121-14-2	2,4-Dinitrotoluene	270	U	2000	270	270
606-20-2	2,6-Dinitrotoluene	270	U	2000	270	210
117-84-0	Di-n-octyl phthalate	270	U	500	270	270
206-44-0	Fluoranthene	170	D	66	33	33
86-73-7	Fluorene	650	J D	66	33	33
118-74-1	Hexachlorobenzene	33	U	66	33	21
87-68-3	Hexachlorobutadiene	270	U	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	270	U	500	270	89
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	66	33	33
78-59-1	Isophorone	270	U	500	270	130
91-57-6	2-Methylnaphthalene	680	J D	66	33	33
95-48-7	2-Methylphenol	790	U	2000	790	790
15831-10-4	3 & 4 Methylphenol	790	U	4000	790	200
91-20-3	Naphthalene	50	J D	66	33	33
88-74-4	2-Nitroaniline	270	U	2000	270	90
99-09-2	3-Nitroaniline	790	U	2000	790	160
100-01-6	4-Nitroaniline	270	U	2000	270	260
98-95-3	Nitrobenzene	33	U	990	33	22
88-75-5	2-Nitrophenol	270	U	500	270	270
100-02-7	4-Nitrophenol	790	U	3300	790	790
621-64-7	N-Nitrosodi-n-propylamine	270	U	500	270	270
86-30-6	N-Nitrosodiphenylamine	270	U J	500	270	210
87-86-5	Pentachlorophenol	790	U	1500	790	790
85-01-8	Phenanthrene	1000	D	66	33	33
108-95-2	Phenol	270	U	500	270	270
129-00-0	Pyrene	1000	D	66	33	33
120-82-1	1,2,4-Trichlorobenzene	270	U	500	270	270
95-95-4	2,4,5-Trichlorophenol	270	U	1500	270	250
88-06-2	2,4,6-Trichlorophenol	790	U	1500	790	790

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO | Lab Sample ID: 240-18581-1

Matrix: Solid | Lab File ID: 21229020.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.28(g) | Date Analyzed: 12/29/2012 19:36

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	54		45-105
367-12-4	2-Fluorophenol (Surr)	68		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	52		35-100
4165-62-2	Phenol-d5 (Surr)	66		40-100
1718-51-0	Terphenyl-d14 (Surr)	64		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	60		35-125

Report Date: 31-Dec-2012 12:46:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D
Lims ID: 240-18581-M-1-K Client ID: 070SB-0042M-0001-SO
Inject. Date: 29-Dec-2012 19:36:30 Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0016274-020
Misc. Info.: 240-18581-M-1-K
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 70582 Lims Sample ID: 20
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:46:14 Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj Date: 31-Dec-2012 12:37:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.833	5.834	-0.001	97	251628	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	1002955	4.00	
* 3 Acenaphthene-d10	164	8.433	8.438	-0.005	90	616252	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	989479	4.00	
* 5 Chrysene-d12	240	12.182	12.177	0.005	98	984512	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	96	677809	4.00	
$ 7 2-Fluorophenol	112	4.603	4.577	0.026	91	78282	1.01	
$ 8 Phenol-d5	99	5.486	5.480	0.006	95	101027	0.9830	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	92	57905	0.5241	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	94	118383	0.5361	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	67	18621	0.8987	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	87	128795	0.6394	
41 Phenol	94		5.491					9
44 Bis(2-chloroethyl)ether	93		5.587					9
46 2-Chlorophenol	128		5.641					9
47 1,3-Dichlorobenzene	146		5.780					9
48 1,4-Dichlorobenzene	146		5.850					9
49 Benzyl alcohol	108		5.946					9
50 1,2-Dichlorobenzene	146		5.983					
51 2-Methylphenol	108		6.037					9
52 2,2'-oxybis[1-chloropropane]	45		6.063					
191 3 & 4 Methylphenol	108		6.165					
56 N-Nitrosodi-n-propylamine	70		6.176					
60 Hexachloroethane	117		6.288					
61 Nitrobenzene	77		6.336					
63 Isophorone	82		6.540					
65 2-Nitrophenol	139		6.614					9
64 2,4-Dimethylphenol	107		6.630					9
69 Benzoic acid	122		6.689					9
68 Bis(2-chloroethoxy)methane	93		6.716					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.818					9
72 1,2,4-Trichlorobenzene	180		6.893					
73 Naphthalene	128	6.962	6.967	-0.005	65	18614	0.0759	
74 4-Chloroaniline	127		7.000					
77 Hexachlorobutadiene	225		7.064					
84 4-Chloro-3-methylphenol	107		7.395					
85 2-Methylnaphthalene	142	7.550	7.556	-0.006	90	165347	1.03	
88 Hexachlorocyclopentadiene	237		7.684					
90 2,4,6-Trichlorophenol	196		7.780					9
91 2,4,5-Trichlorophenol	196		7.812					
98 2-Chloronaphthalene	162		7.968					
100 2-Nitroaniline	65		8.042					
103 Dimethyl phthalate	163		8.182					
105 2,6-Dinitrotoluene	165		8.240					9
107 Acenaphthylene	152	8.315	8.321	-0.006	42	30133	0.1190	
108 3-Nitroaniline	138		8.385					
110 Acenaphthene	153	8.465	8.465	0.0	75	89666	0.5685	
109 2,4-Dinitrophenol	184		8.470					9
111 4-Nitrophenol	109		8.502					
112 2,4-Dinitrotoluene	165		8.577					9
114 Dibenzofuran	168	8.604	8.609	-0.005	68	86749	0.3728	
119 Diethyl phthalate	149		8.770					
121 4-Chlorophenyl phenyl ether	204		8.882					
123 4-Nitroaniline	138		8.898					
124 Fluorene	166	8.898	8.898	0.0	88	183965	0.99	
126 4,6-Dinitro-2-methylphenol	198		8.920					
130 N-Nitrosodiphenylamine	169		8.978					
137 4-Bromophenyl phenyl ether	248		9.299					
139 Hexachlorobenzene	284		9.358					
141 Pentachlorophenol	266		9.519					
146 Phenanthrene	178	9.706	9.711	-0.005	96	419157	1.58	
147 Anthracene	178		9.754					
149 Carbazole	167		9.877					
151 Di-n-butyl phthalate	149		10.134					
157 Fluoranthene	202	10.706	10.711	-0.005	86	74002	0.2538	
160 Pyrene	202	10.909	10.915	-0.006	95	436871	1.53	
166 Butyl benzyl phthalate	149		11.487					
173 3,3'-Dichlorobenzidine	252		12.118					9
171 Bis(2-ethylhexyl) phthalate	149		12.140					
175 Benzo[a]anthracene	228	12.166	12.166	0.0	58	53828	0.2115	
176 Chrysene	228	12.209	12.214	-0.005	64	68559	0.2844	
178 Di-n-octyl phthalate	149		13.017					
180 Benzo[b]fluoranthene	252	13.626	13.632	-0.006	37	10567	0.0522	M
181 Benzo[k]fluoranthene	252		13.669					M
182 Benzo[a]pyrene	252	14.118	14.119	-0.001	25	11851	0.0623	
186 Indeno[1,2,3-cd]pyrene	276		15.814					
187 Dibenz(a,h)anthracene	278		15.841					
188 Benzo[g,h,i]perylene	276	16.221	16.231	-0.010	64	15373	0.0869	M

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

Report Date: 31-Dec-2012 12:46:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D		
Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

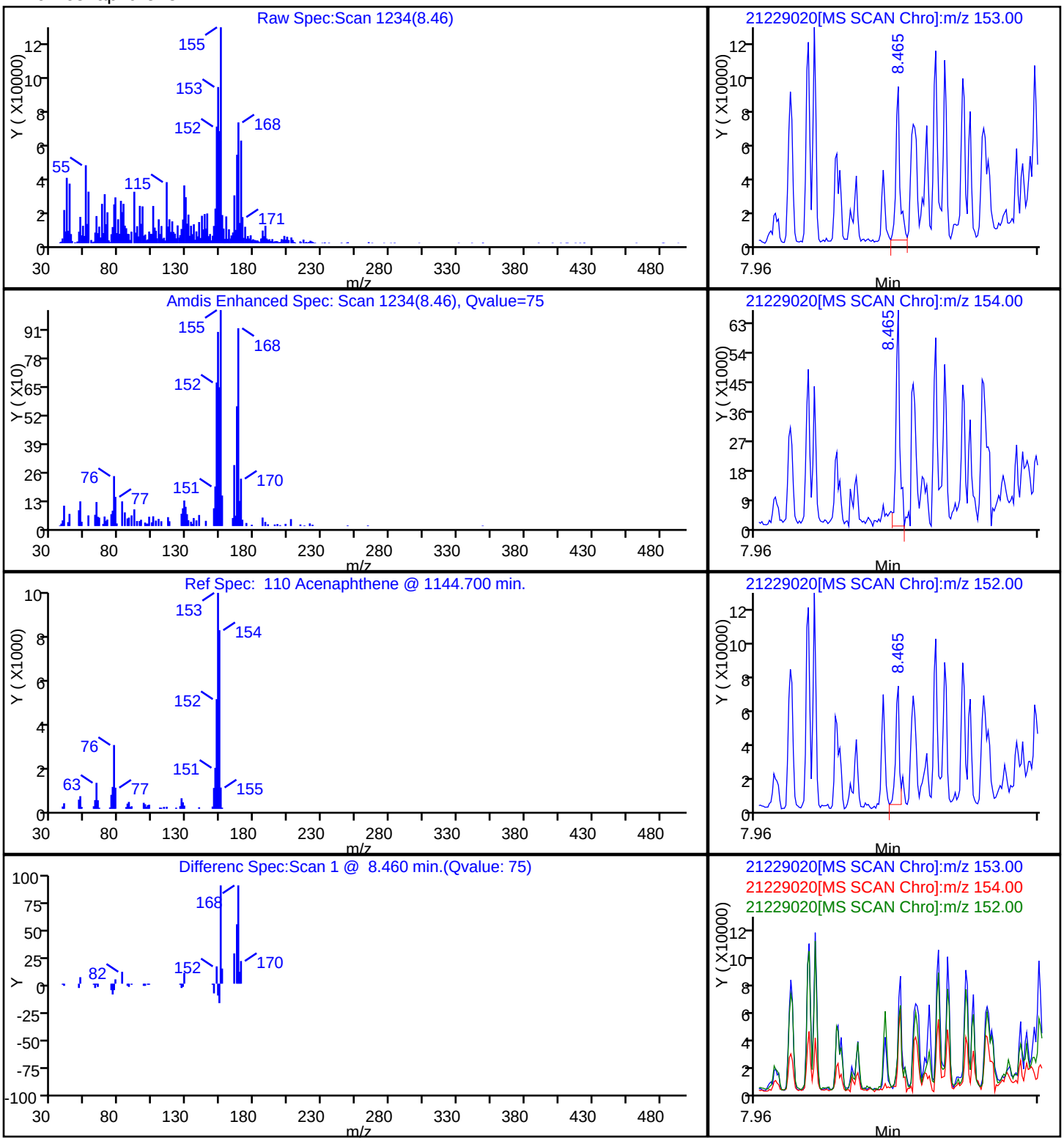
Y Scaling:

Report Date: 31-Dec-2012 12:46:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D		
Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

110 Acenaphthene



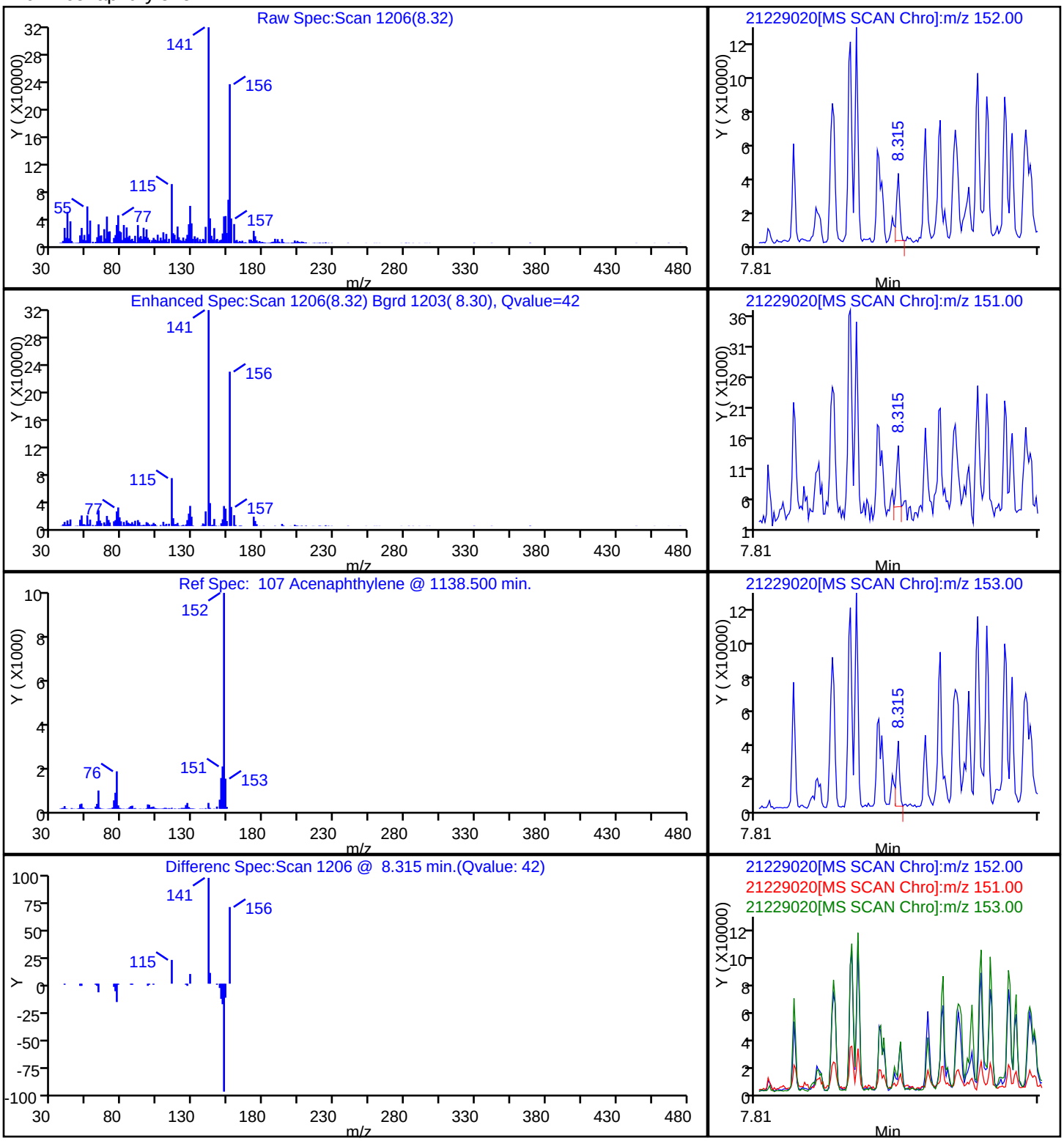
Report Date: 31-Dec-2012 12:46:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D

Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

107 Acenaphthylene



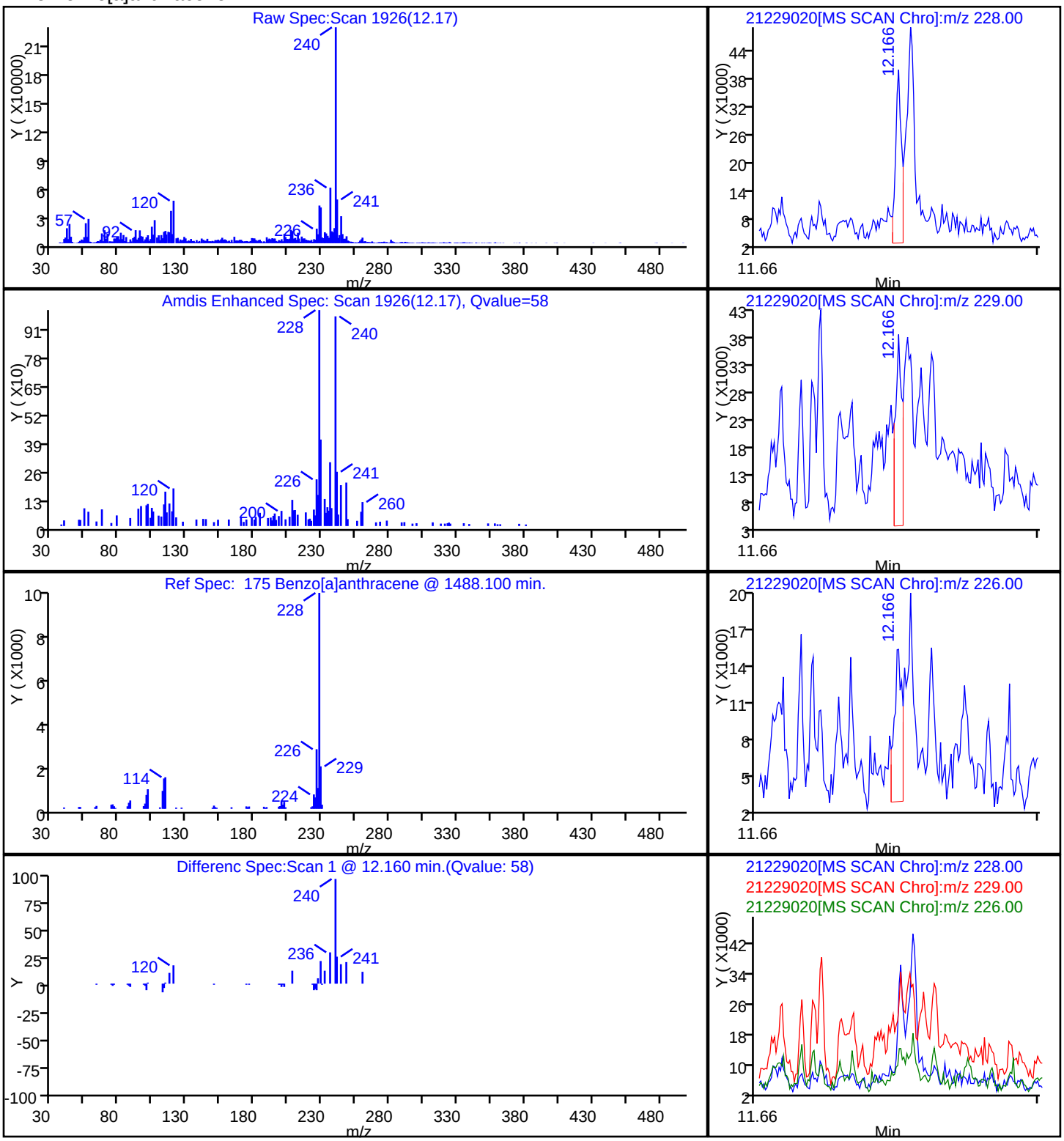
Report Date: 31-Dec-2012 12:46:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D

Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

175 Benzo[a]anthracene



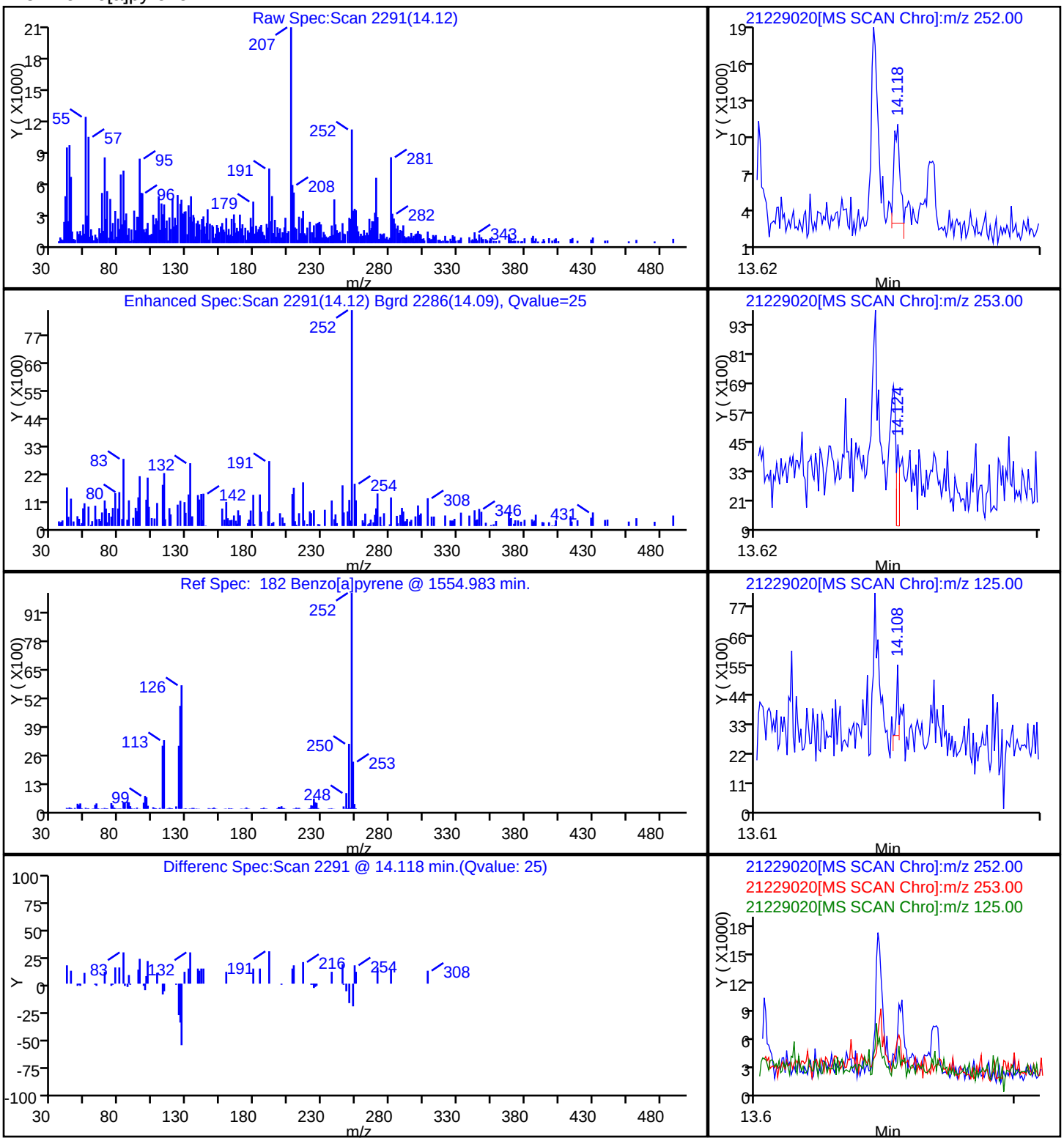
Report Date: 31-Dec-2012 12:46:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D

Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene



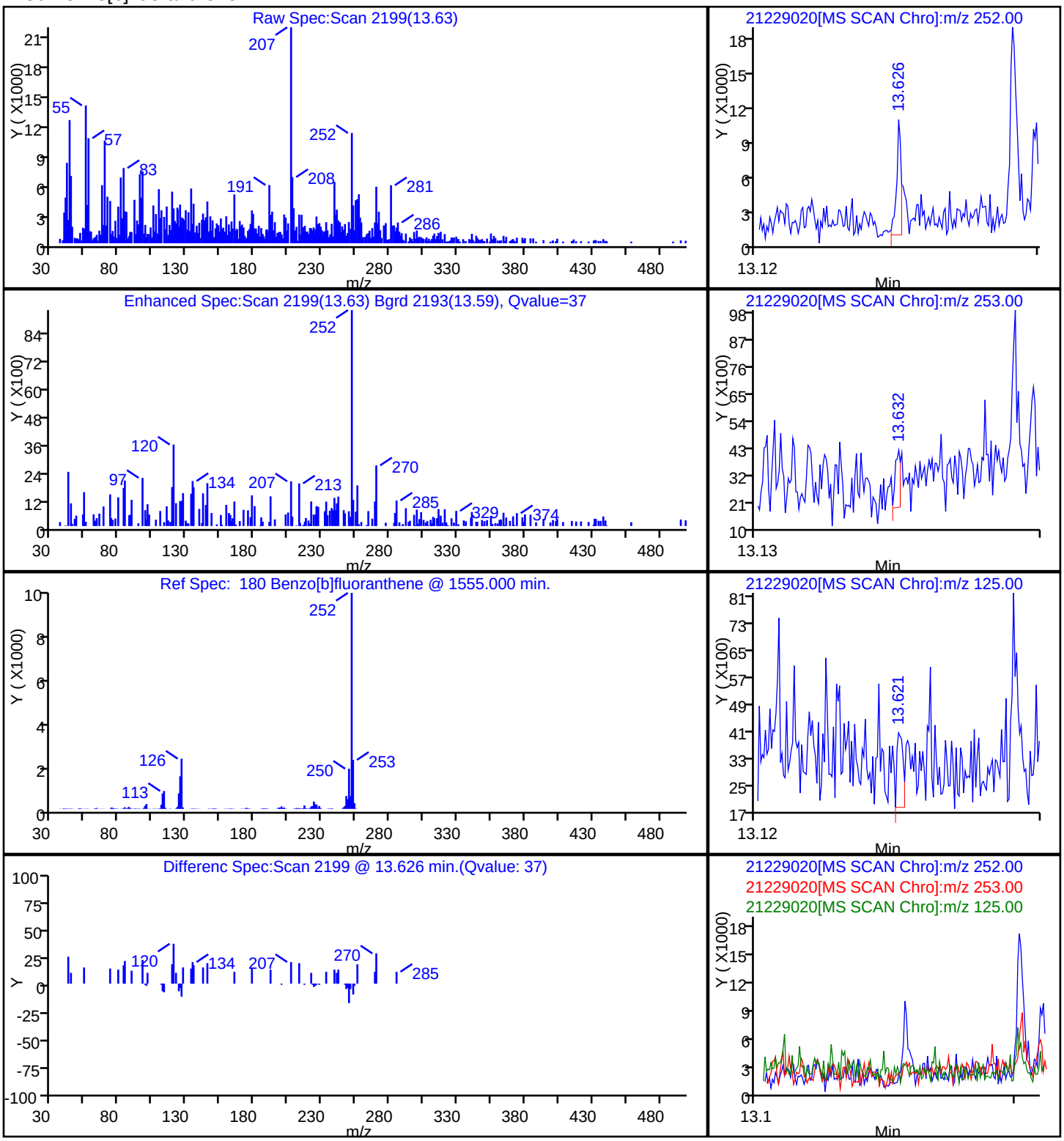
Report Date: 31-Dec-2012 12:46:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D

Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene



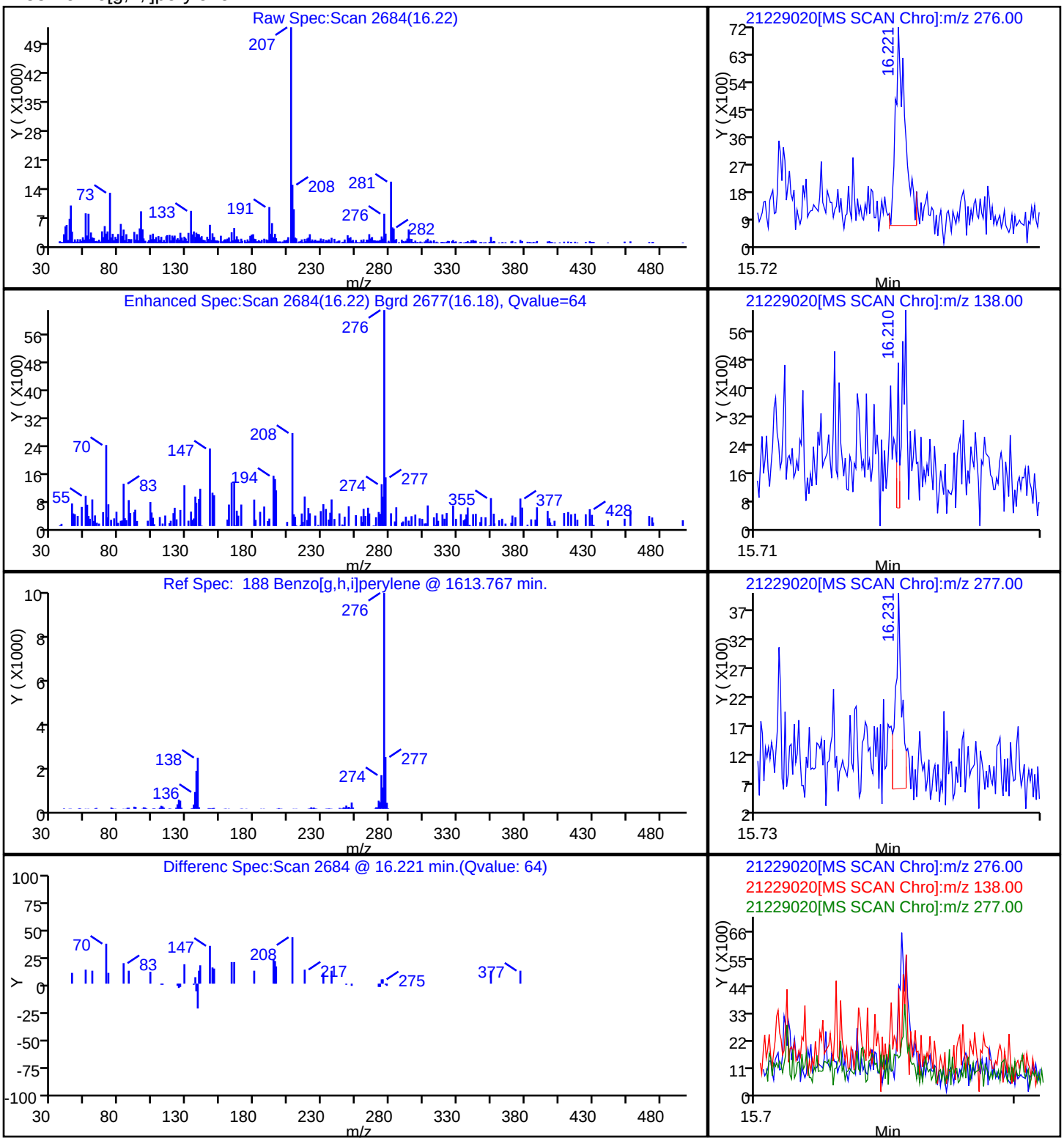
Report Date: 31-Dec-2012 12:46:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D

Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene



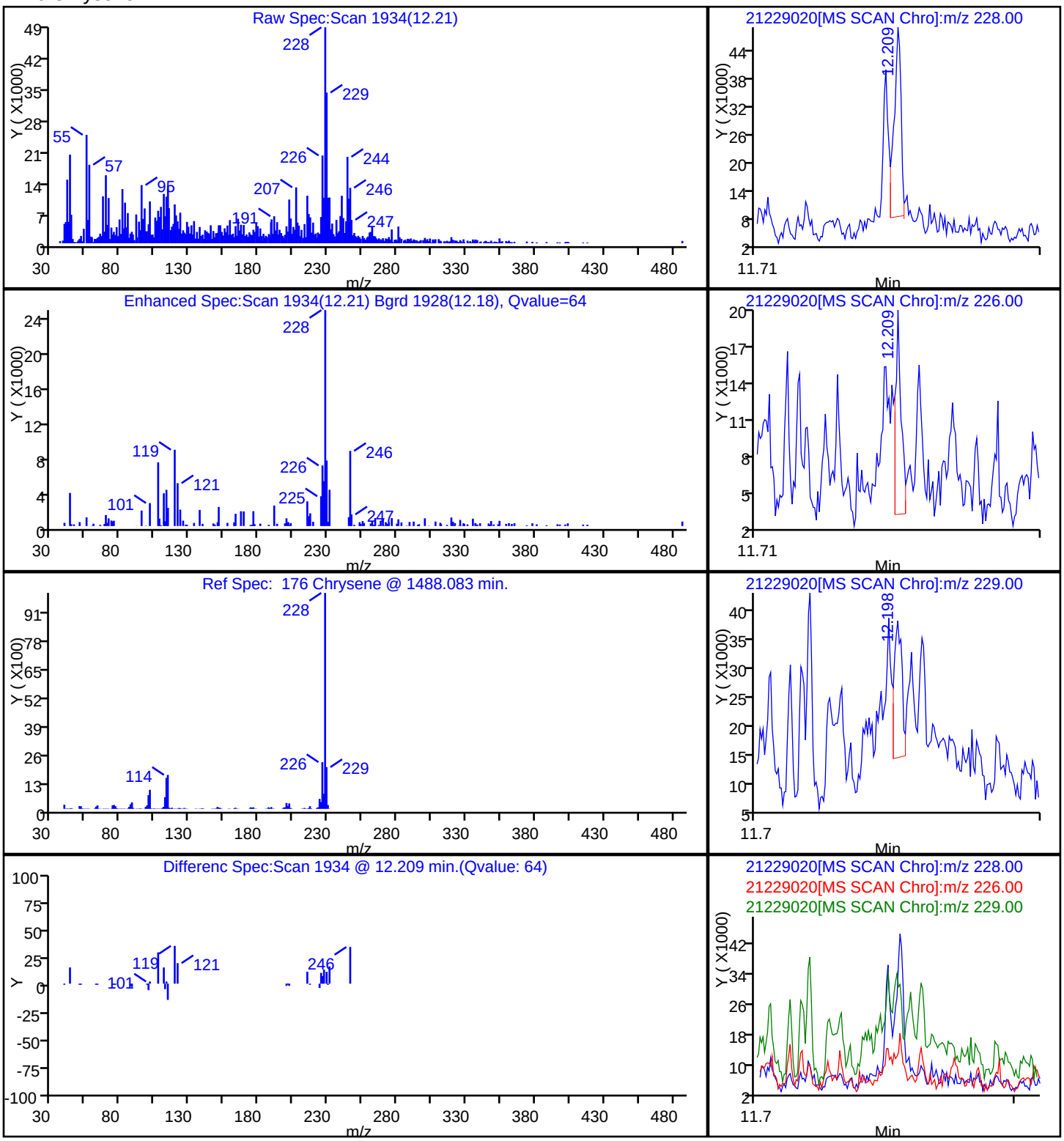
Report Date: 31-Dec-2012 12:46:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D

Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

176 Chrysene

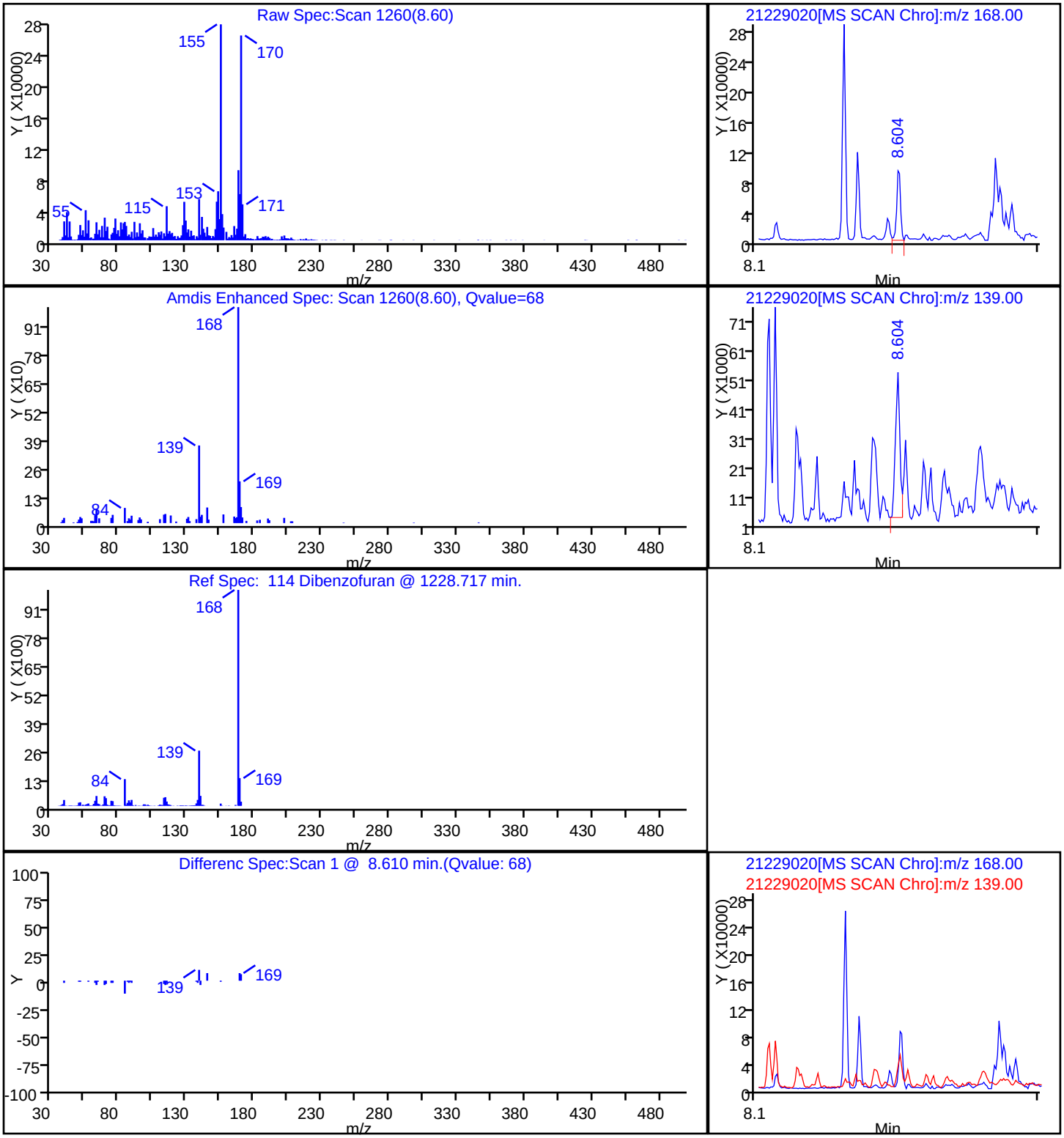


Report Date: 31-Dec-2012 12:46:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D		
Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

114 Dibenzofuran

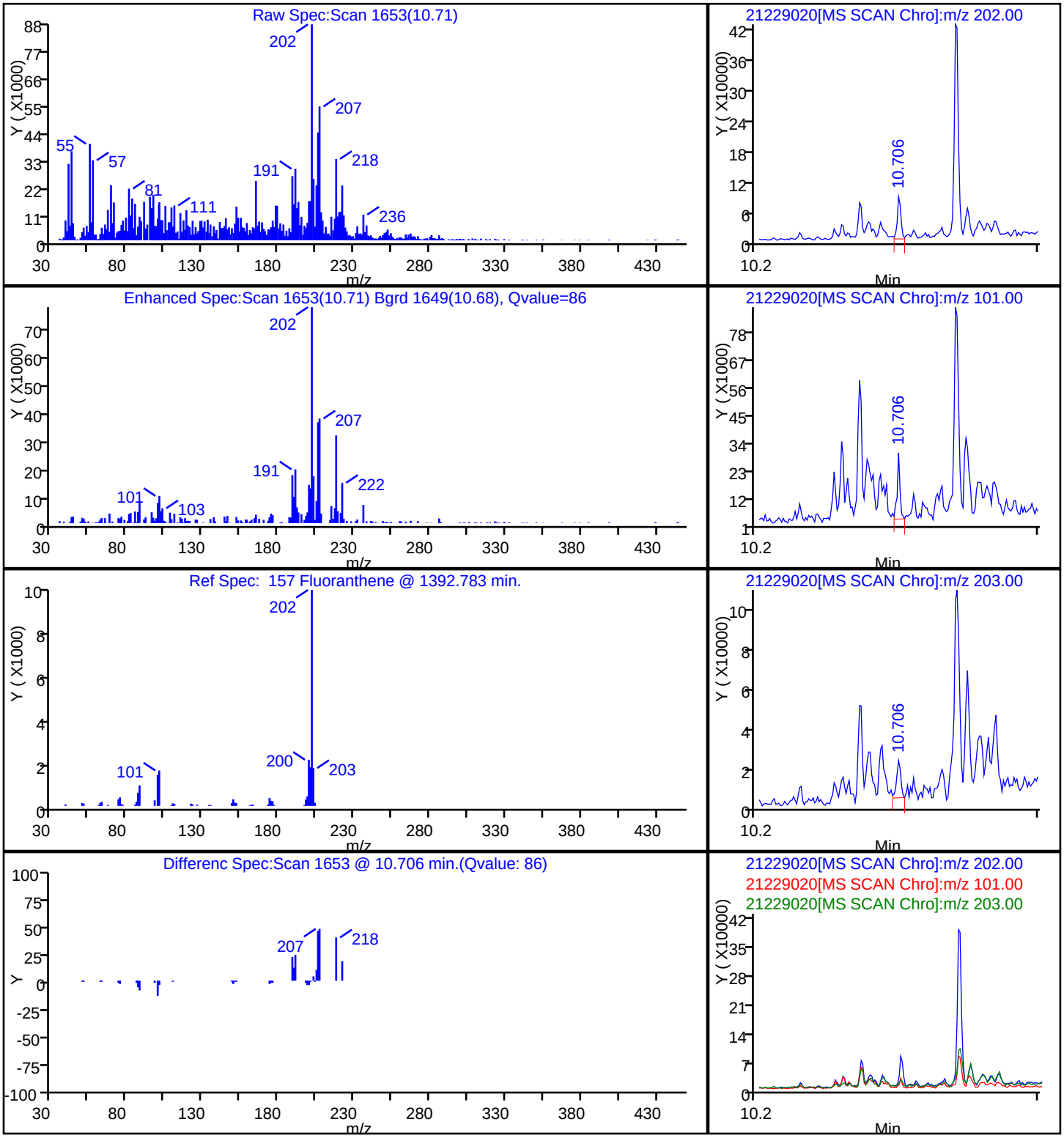


Report Date: 31-Dec-2012 12:46:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D		
Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene

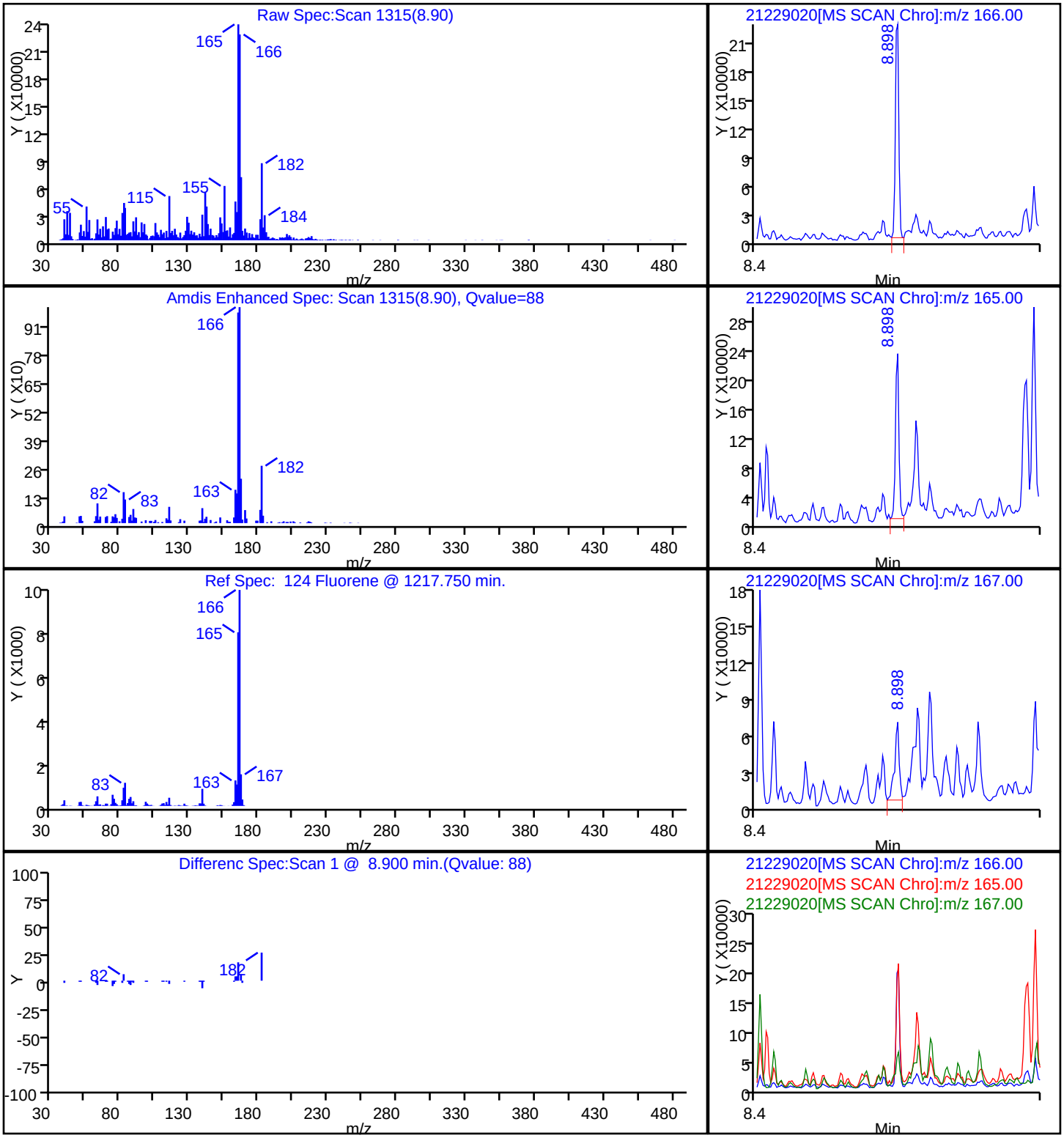


Report Date: 31-Dec-2012 12:46:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D		
Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

124 Fluorene



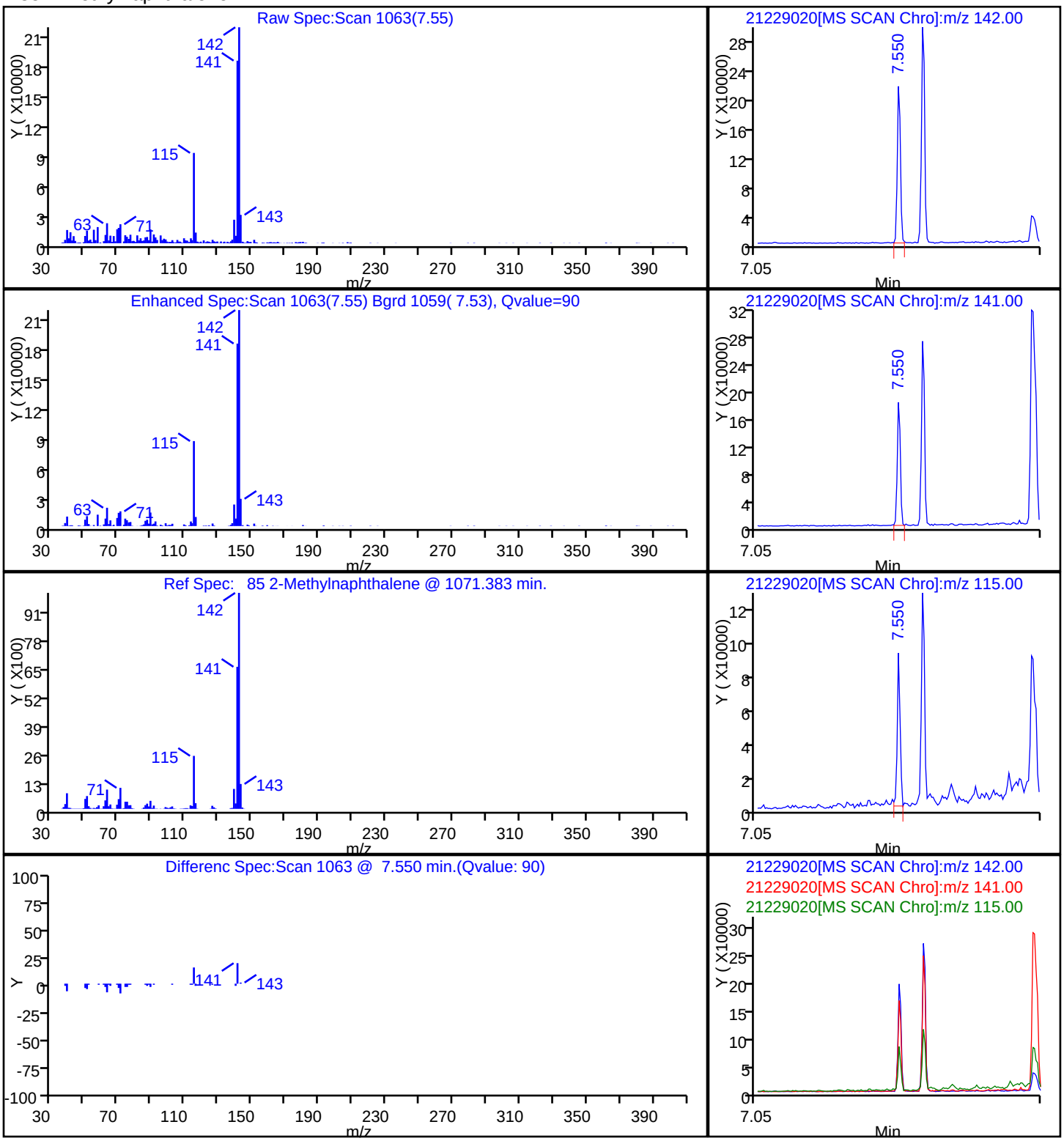
Report Date: 31-Dec-2012 12:46:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D

Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



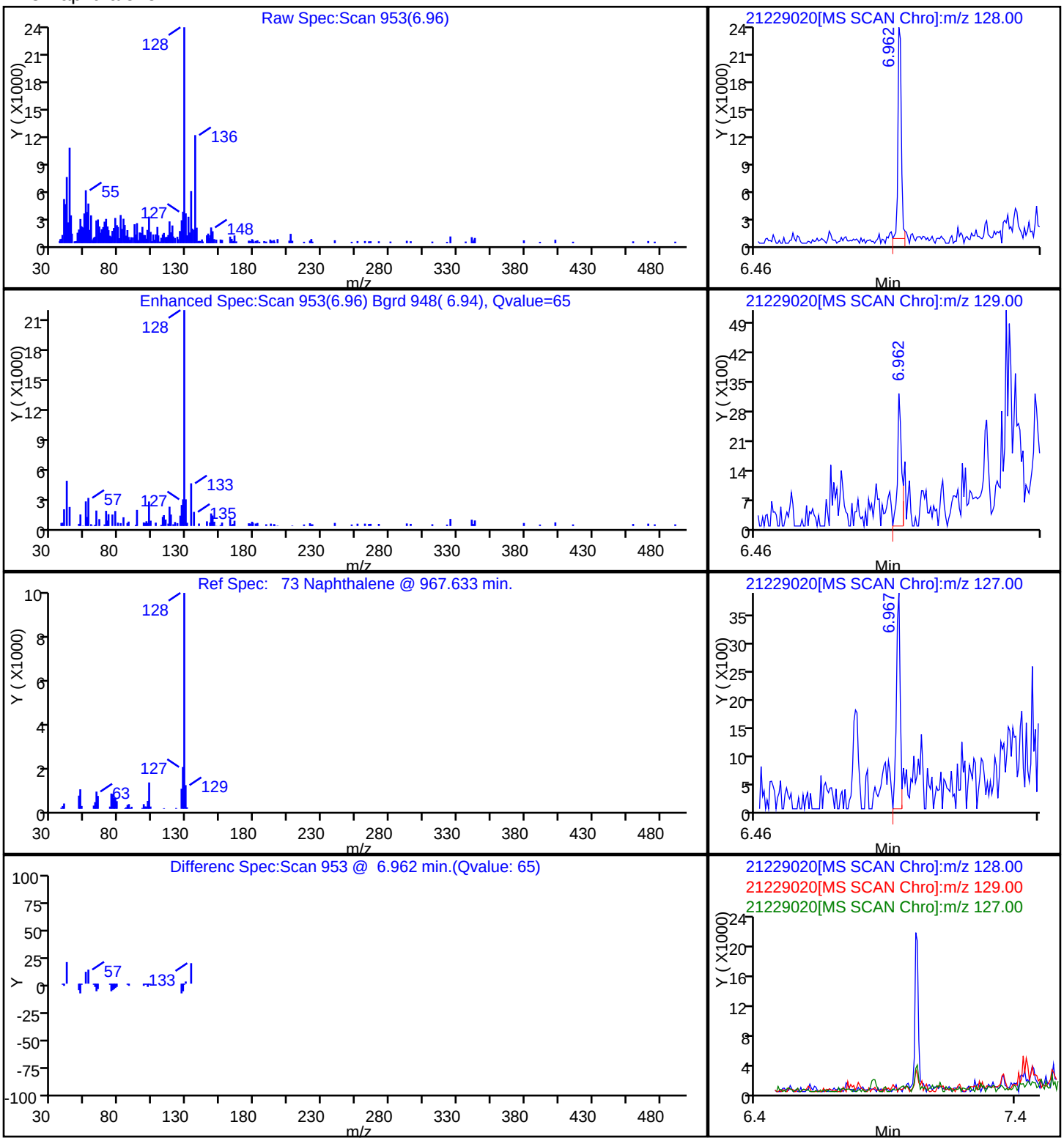
Report Date: 31-Dec-2012 12:46:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D

Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



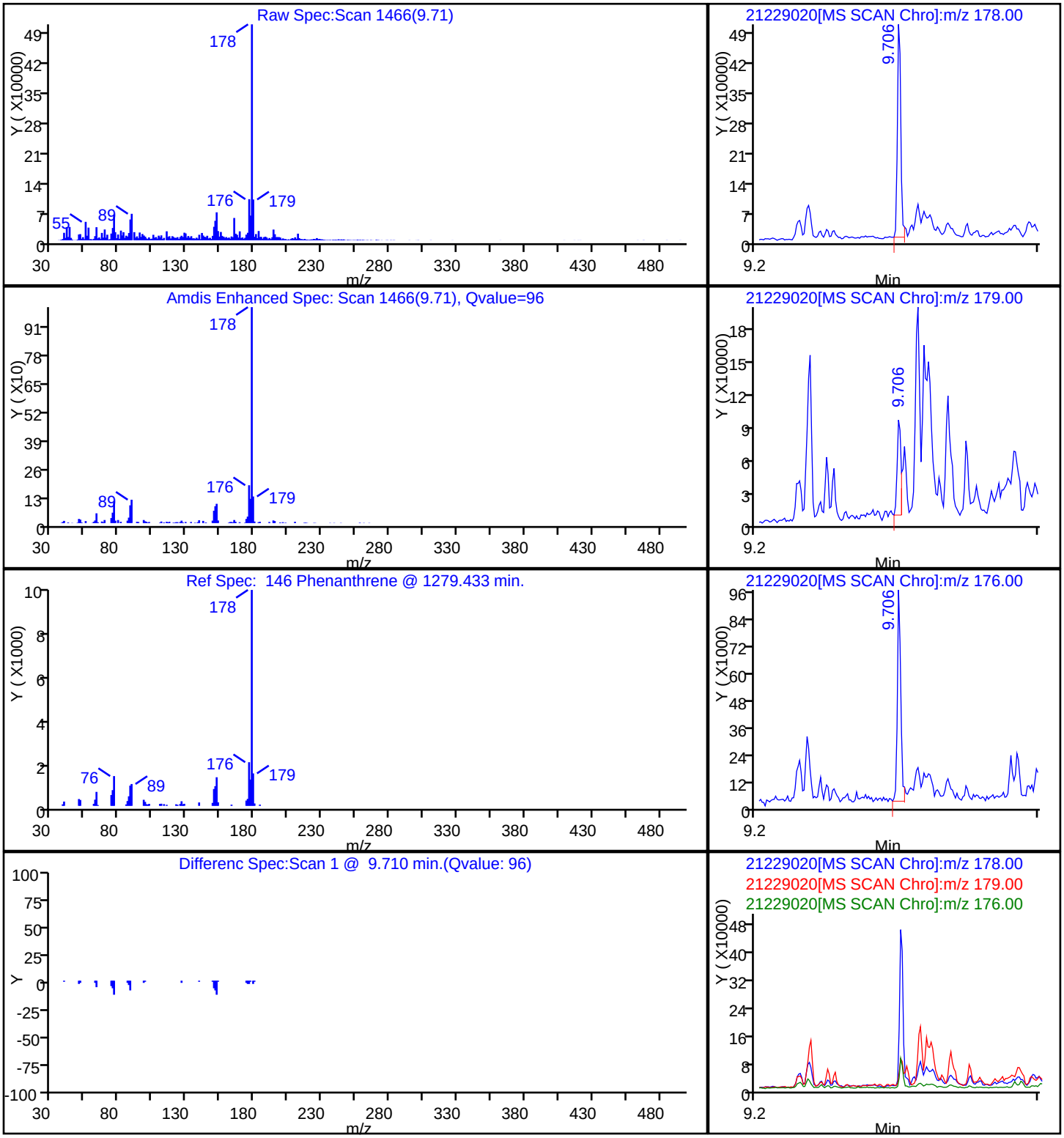
Report Date: 31-Dec-2012 12:46:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D

Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



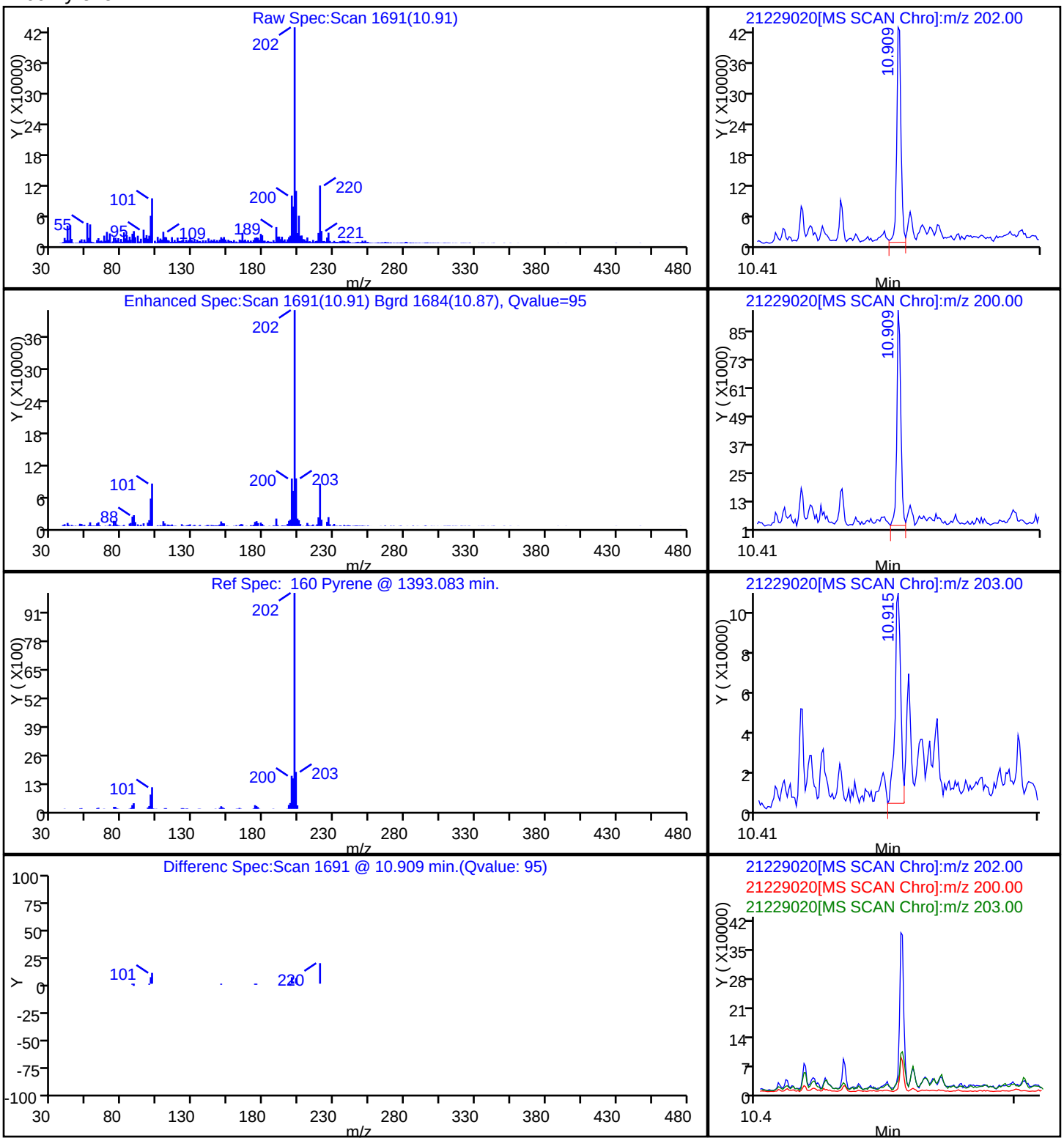
Report Date: 31-Dec-2012 12:46:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D

Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Pyrene



Manual Integration/User Assign Peak Report

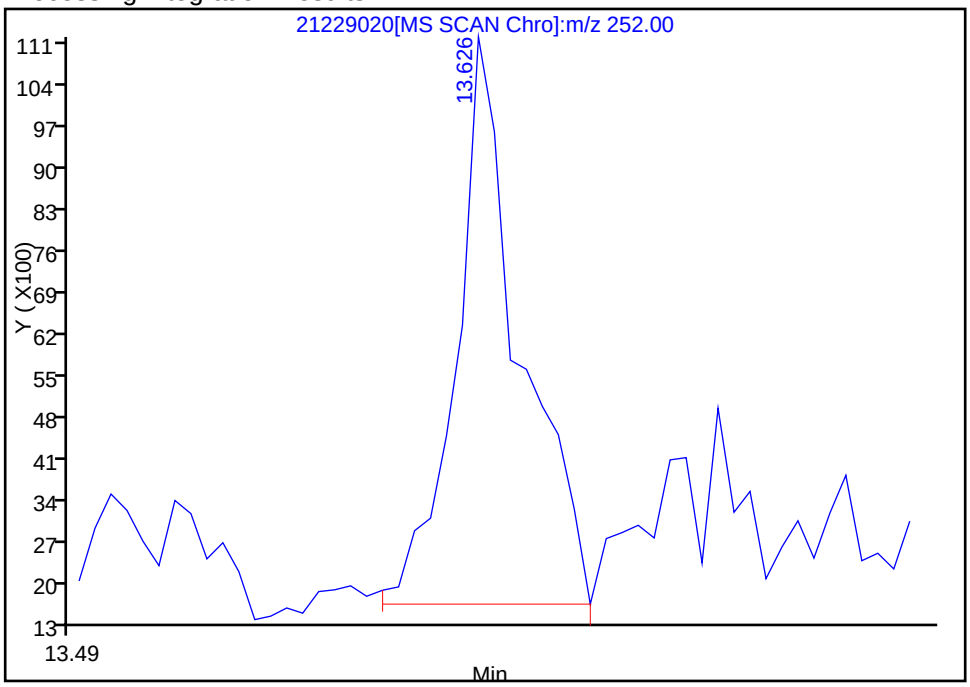
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D		
Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.63

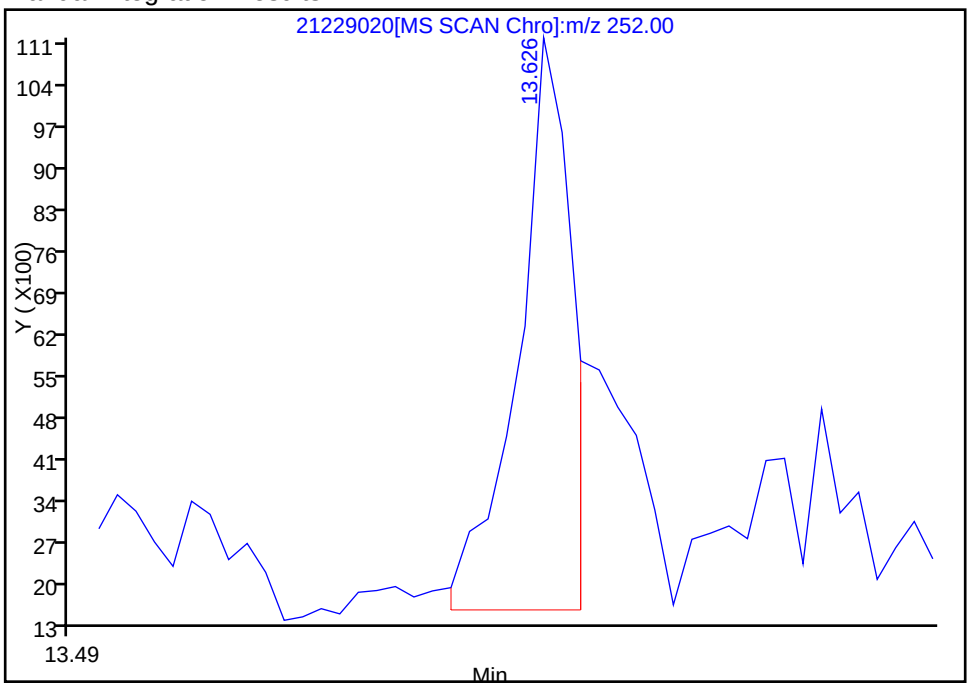
Processing Integration Results

RT: 13.63
Response: 14206
Amount: 0.070186



Manual Integration Results

RT: 13.63
Response: 10567
Amount: 0.052207



Reviewer: gruberj, 31-Dec-2012 12:37:49
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

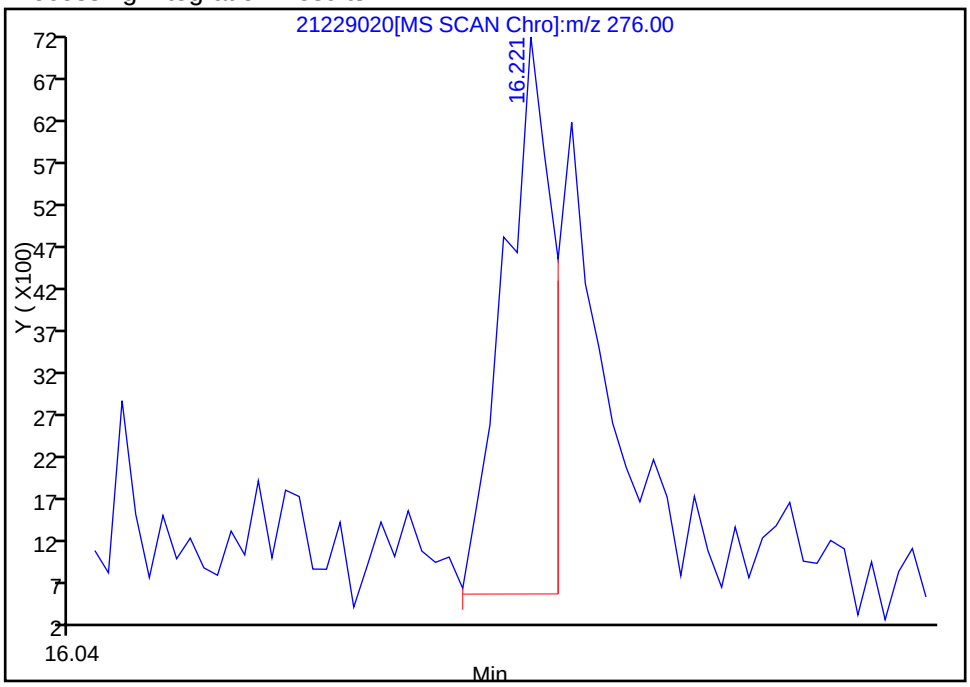
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229020.D		
Injection Date:	29-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.23

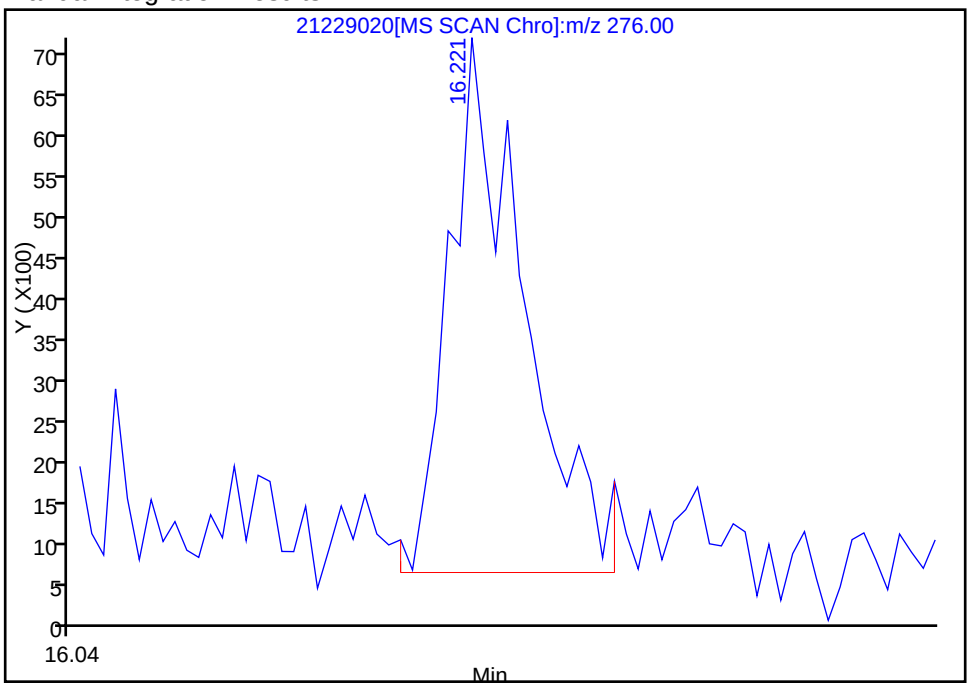
Processing Integration Results

RT: 16.22
Response: 8731
Amount: 0.049374



Manual Integration Results

RT: 16.22
Response: 15373
Amount: 0.086935



Reviewer: gruberj, 31-Dec-2012 12:37:49
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-043M-0001-SO | Lab Sample ID: 240-18581-2

Matrix: Solid | Lab File ID: 21229014.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.38(g) | Date Analyzed: 12/29/2012 17:15

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	260	D	66	33	33
208-96-8	Acenaphthylene	61	J D	66	33	33
120-12-7	Anthracene	33	U	66	33	33
56-55-3	Benzo[a]anthracene	150	D	66	33	33
50-32-8	Benzo[a]pyrene	51	J D	66	33	33
205-99-2	Benzo[b]fluoranthene	33	J D	66	33	33
191-24-2	Benzo[g,h,i]perylene	33	U	66	33	33
65-85-0	Benzoic acid	3300	U	6500	3300	3300
207-08-9	Benzo[k]fluoranthene	33	U	66	33	33
100-51-6	Benzyl alcohol	270	U	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	270	U	990	270	220
111-44-4	Bis(2-chloroethyl)ether	33	U	990	33	20
108-60-1	bis (2-chloroisopropyl) ether	270	U	990	270	94
117-81-7	Bis(2-ethylhexyl) phthalate	270	U	490	270	190
101-55-3	4-Bromophenyl phenyl ether	270	U	490	270	130
85-68-7	Butyl benzyl phthalate	270	U	490	270	99
86-74-8	Carbazole	270	U	490	270	270
106-47-8	4-Chloroaniline	270	U	1500	270	170
59-50-7	4-Chloro-3-methylphenol	270	U	1500	270	210
91-58-7	2-Chloronaphthalene	33	U	490	33	33
95-57-8	2-Chlorophenol	270	U	490	270	270
7005-72-3	4-Chlorophenyl phenyl ether	270	U	490	270	130
218-01-9	Chrysene	98	D	66	33	11
53-70-3	Dibenz(a,h)anthracene	33	U	66	33	33
132-64-9	Dibenzofuran	180	J D	490	33	33
95-50-1	1,2-Dichlorobenzene	270	U	490	270	96
541-73-1	1,3-Dichlorobenzene	270	U	490	270	110
106-46-7	1,4-Dichlorobenzene	270	U	490	270	200
91-94-1	3,3'-Dichlorobenzidine	790	U	990	790	180
120-83-2	2,4-Dichlorophenol	270	U	1500	270	200
84-66-2	Diethyl phthalate	270	U	490	270	160
105-67-9	2,4-Dimethylphenol	790	U	1500	790	200
131-11-3	Dimethyl phthalate	270	U	490	270	170
84-74-2	Di-n-butyl phthalate	270	U	490	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-043M-0001-SO | Lab Sample ID: 240-18581-2

Matrix: Solid | Lab File ID: 21229014.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.38(g) | Date Analyzed: 12/29/2012 17:15

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	790	U	1500	790	790
51-28-5	2,4-Dinitrophenol	790	U	3300	790	790
121-14-2	2,4-Dinitrotoluene	270	U	2000	270	270
606-20-2	2,6-Dinitrotoluene	270	U	2000	270	210
117-84-0	Di-n-octyl phthalate	270	U	490	270	270
206-44-0	Fluoranthene	120	D	66	33	33
86-73-7	Fluorene	500	D	66	33	33
118-74-1	Hexachlorobenzene	33	U	66	33	21
87-68-3	Hexachlorobutadiene	270	U	490	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	270	U	490	270	89
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	66	33	33
78-59-1	Isophorone	270	U	490	270	130
91-57-6	2-Methylnaphthalene	660	D	66	33	33
95-48-7	2-Methylphenol	790	U	2000	790	790
15831-10-4	3 & 4 Methylphenol	790	U	3900	790	200
91-20-3	Naphthalene	51	J D	66	33	33
88-74-4	2-Nitroaniline	270	U	2000	270	90
99-09-2	3-Nitroaniline	790	U	2000	790	160
100-01-6	4-Nitroaniline	270	U	2000	270	260
98-95-3	Nitrobenzene	33	U	990	33	22
88-75-5	2-Nitrophenol	270	U	490	270	270
100-02-7	4-Nitrophenol	790	U	3300	790	790
621-64-7	N-Nitrosodi-n-propylamine	270	U	490	270	270
86-30-6	N-Nitrosodiphenylamine	270	U	490	270	210
87-86-5	Pentachlorophenol	790	U	1500	790	790
85-01-8	Phenanthrene	810	D	66	33	33
108-95-2	Phenol	270	U	490	270	270
129-00-0	Pyrene	730	D	66	33	33
120-82-1	1,2,4-Trichlorobenzene	270	U	490	270	270
95-95-4	2,4,5-Trichlorophenol	270	U	1500	270	250
88-06-2	2,4,6-Trichlorophenol	790	U	1500	790	790

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-043M-0001-SO | Lab Sample ID: 240-18581-2

Matrix: Solid | Lab File ID: 21229014.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.38(g) | Date Analyzed: 12/29/2012 17:15

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	47		45-105
367-12-4	2-Fluorophenol (Surr)	62		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	39		35-100
4165-62-2	Phenol-d5 (Surr)	61		40-100
1718-51-0	Terphenyl-d14 (Surr)	54		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	58		35-125

Report Date: 31-Dec-2012 12:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229014.D
Lims ID: 240-18581-H-2-C Client ID: 070SB-043M-0001-SO
Inject. Date: 29-Dec-2012 17:15:30 Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0016274-014
Misc. Info.: 240-18581-H-2-C
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 70582 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:46:14 Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj Date: 31-Dec-2012 11:24:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.834	0.0	96	249545	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	1028107	4.00	
* 3 Acenaphthene-d10	164	8.438	8.438	0.0	91	617304	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	999630	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	97	996304	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	96	679547	4.00	
$ 7 2-Fluorophenol	112	4.609	4.577	0.032	91	70698	0.9235	
$ 8 Phenol-d5	99	5.486	5.480	0.006	91	92661	0.9092	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	96	44503	0.3930	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	95	104285	0.4714	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	63	18211	0.8774	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	89	109714	0.5382	
41 Phenol	94		5.491					9
44 Bis(2-chloroethyl)ether	93		5.587					9
46 2-Chlorophenol	128		5.641					9
47 1,3-Dichlorobenzene	146		5.780					9
48 1,4-Dichlorobenzene	146		5.850					9
49 Benzyl alcohol	108		5.946					9
50 1,2-Dichlorobenzene	146		5.983					
51 2-Methylphenol	108		6.037					
52 2,2'-oxybis[1-chloropropane]	45		6.063					9
191 3 & 4 Methylphenol	108		6.165					
56 N-Nitrosodi-n-propylamine	70		6.176					
60 Hexachloroethane	117		6.288					9
61 Nitrobenzene	77		6.336					
63 Isophorone	82		6.540					
65 2-Nitrophenol	139		6.614					9
64 2,4-Dimethylphenol	107		6.630					9
69 Benzoic acid	122		6.689					
68 Bis(2-chloroethoxy)methane	93		6.716					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.818					9
72 1,2,4-Trichlorobenzene	180		6.893					9
73 Naphthalene	128	6.967	6.967	0.0	31	19316	0.0769	
74 4-Chloroaniline	127		7.000					
77 Hexachlorobutadiene	225		7.064					
84 4-Chloro-3-methylphenol	107		7.395					9
85 2-Methylnaphthalene	142	7.550	7.556	-0.006	92	165328	1.00	
88 Hexachlorocyclopentadiene	237		7.684					
90 2,4,6-Trichlorophenol	196		7.780					
91 2,4,5-Trichlorophenol	196		7.812					9
98 2-Chloronaphthalene	162		7.968					
100 2-Nitroaniline	65		8.042					
103 Dimethyl phthalate	163		8.182					
105 2,6-Dinitrotoluene	165		8.240					9
107 Acenaphthylene	152	8.315	8.321	-0.006	46	23651	0.0933	
108 3-Nitroaniline	138		8.385					9
110 Acenaphthene	153	8.465	8.465	0.0	81	62962	0.3985	
109 2,4-Dinitrophenol	184		8.470					
111 4-Nitrophenol	109		8.502					
112 2,4-Dinitrotoluene	165		8.577					
114 Dibenzofuran	168	8.609	8.609	0.0	78	62384	0.2677	
119 Diethyl phthalate	149		8.770					
121 4-Chlorophenyl phenyl ether	204		8.882					
123 4-Nitroaniline	138		8.898					
124 Fluorene	166	8.898	8.898	0.0	89	142011	0.7641	
126 4,6-Dinitro-2-methylphenol	198		8.920					
130 N-Nitrosodiphenylamine	169		8.978					
137 4-Bromophenyl phenyl ether	248		9.299					
139 Hexachlorobenzene	284		9.358					
141 Pentachlorophenol	266		9.519					
146 Phenanthrene	178	9.706	9.711	-0.005	95	329463	1.23	
147 Anthracene	178		9.754					
149 Carbazole	167		9.877					
151 Di-n-butyl phthalate	149		10.134					
157 Fluoranthene	202	10.711	10.711	0.0	87	51778	0.1758	
160 Pyrene	202	10.915	10.915	0.0	95	320220	1.11	
166 Butyl benzyl phthalate	149		11.487					
173 3,3'-Dichlorobenzidine	252		12.118					
171 Bis(2-ethylhexyl) phthalate	149		12.140					
175 Benzo[a]anthracene	228	12.166	12.166	0.0	72	57300	0.2225	
176 Chrysene	228	12.209	12.214	-0.005	63	36239	0.1485	
178 Di-n-octyl phthalate	149		13.017					
180 Benzo[b]fluoranthene	252	13.632	13.632	0.0	52	10187	0.0502	
181 Benzo[k]fluoranthene	252		13.669					
182 Benzo[a]pyrene	252	14.113	14.119	-0.006	59	14822	0.0777	
186 Indeno[1,2,3-cd]pyrene	276		15.814					9
187 Dibenz(a,h)anthracene	278		15.841					
188 Benzo[g,h,i]perylene	276		16.231					9

QC Flag Legend

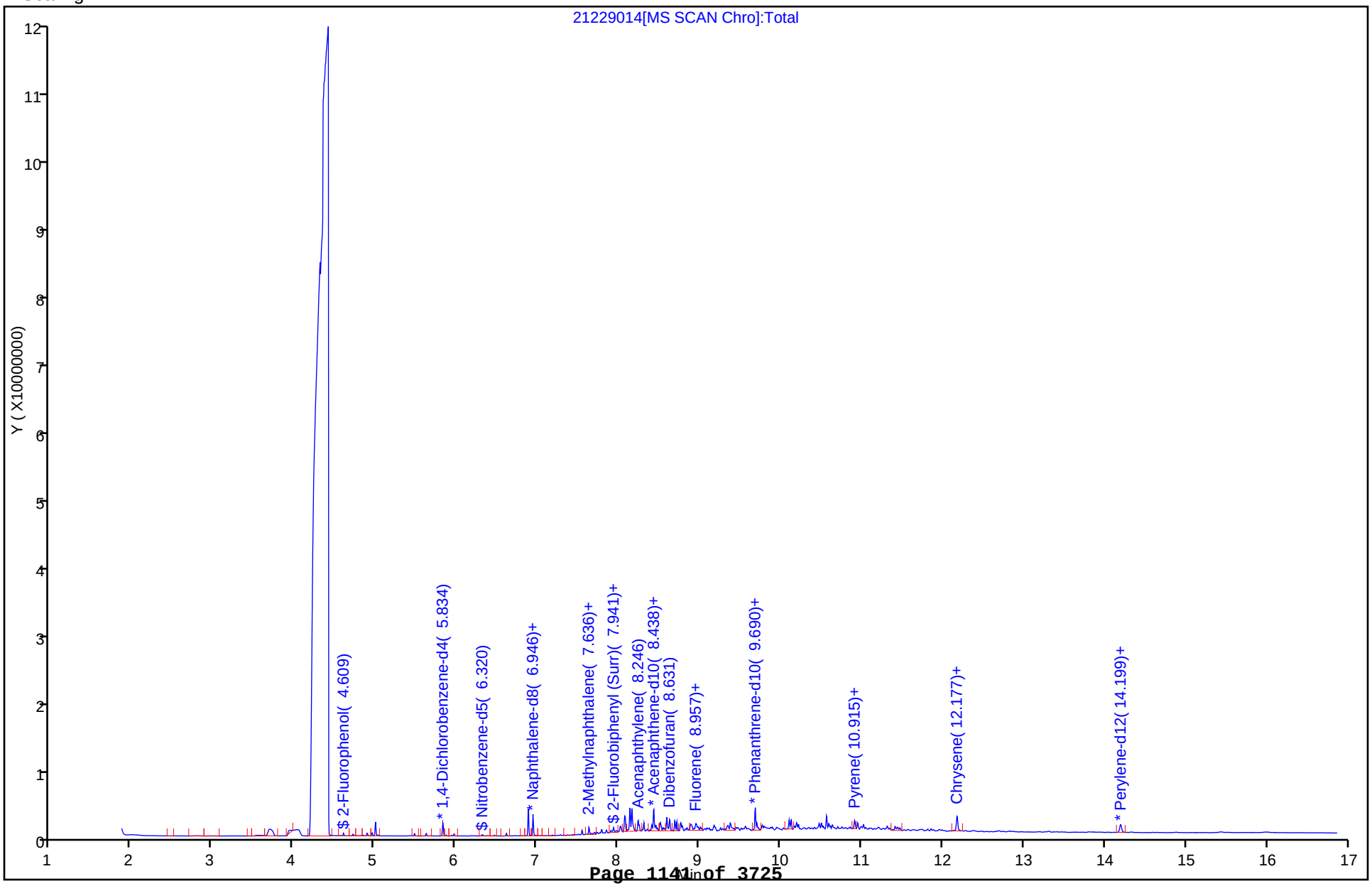
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229014.D		
Injection Date:	29-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Report Date: 31-Dec-2012 12:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

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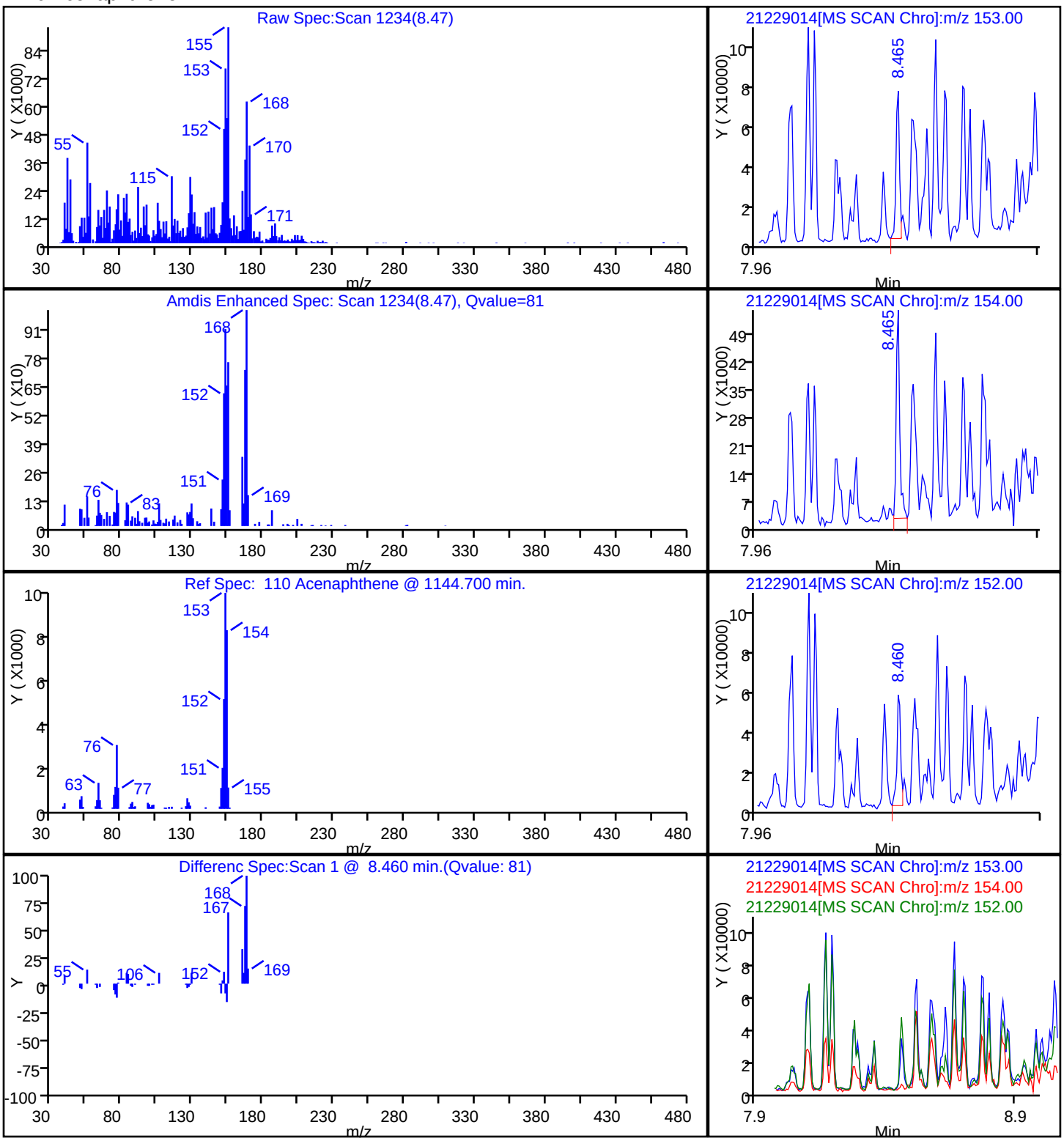
Injection Date:	29-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

110 Acenaphthene



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TestAmerica Canton

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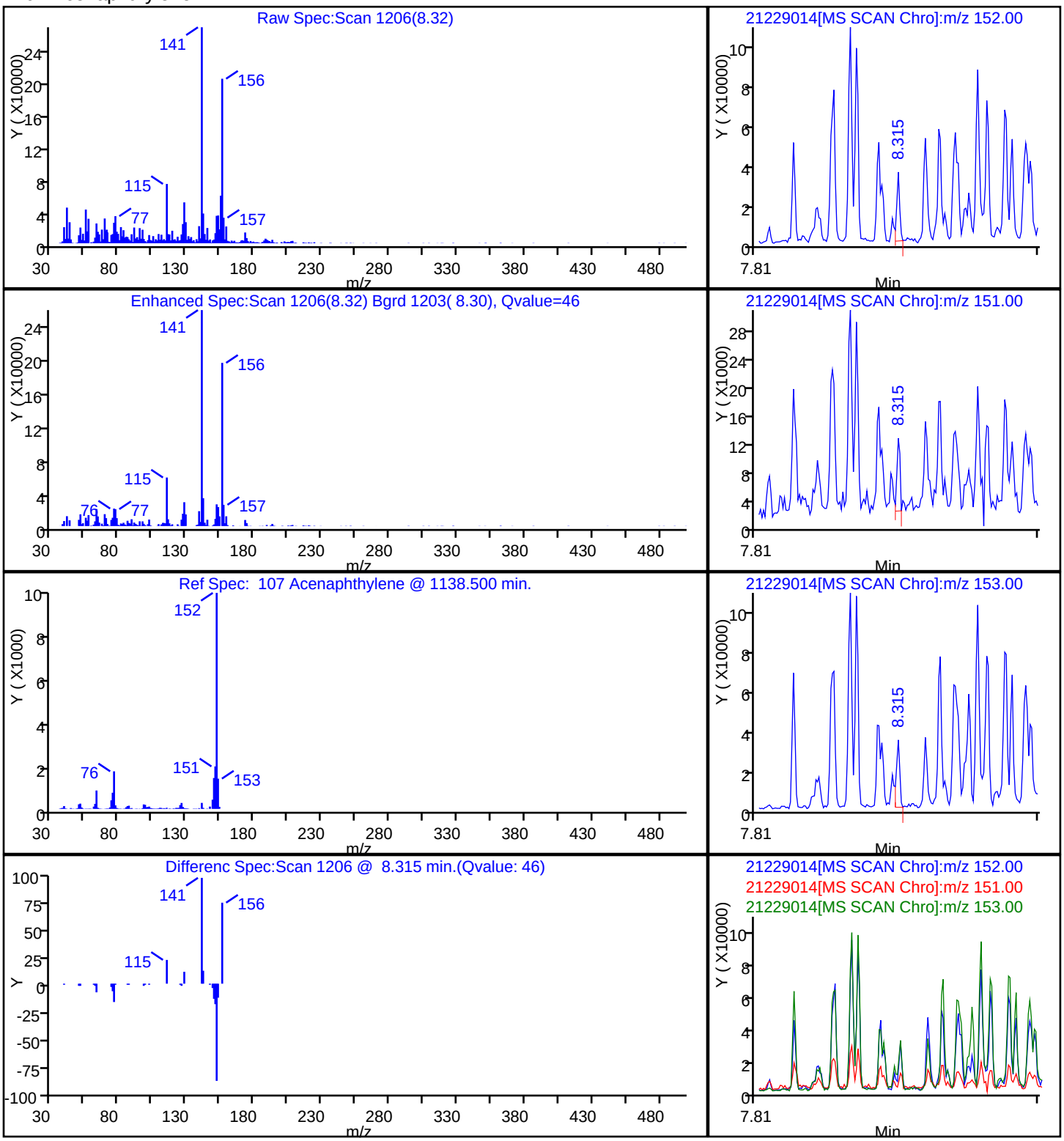
Injection Date:	29-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

107 Acenaphthylene



Report Date: 31-Dec-2012 12:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

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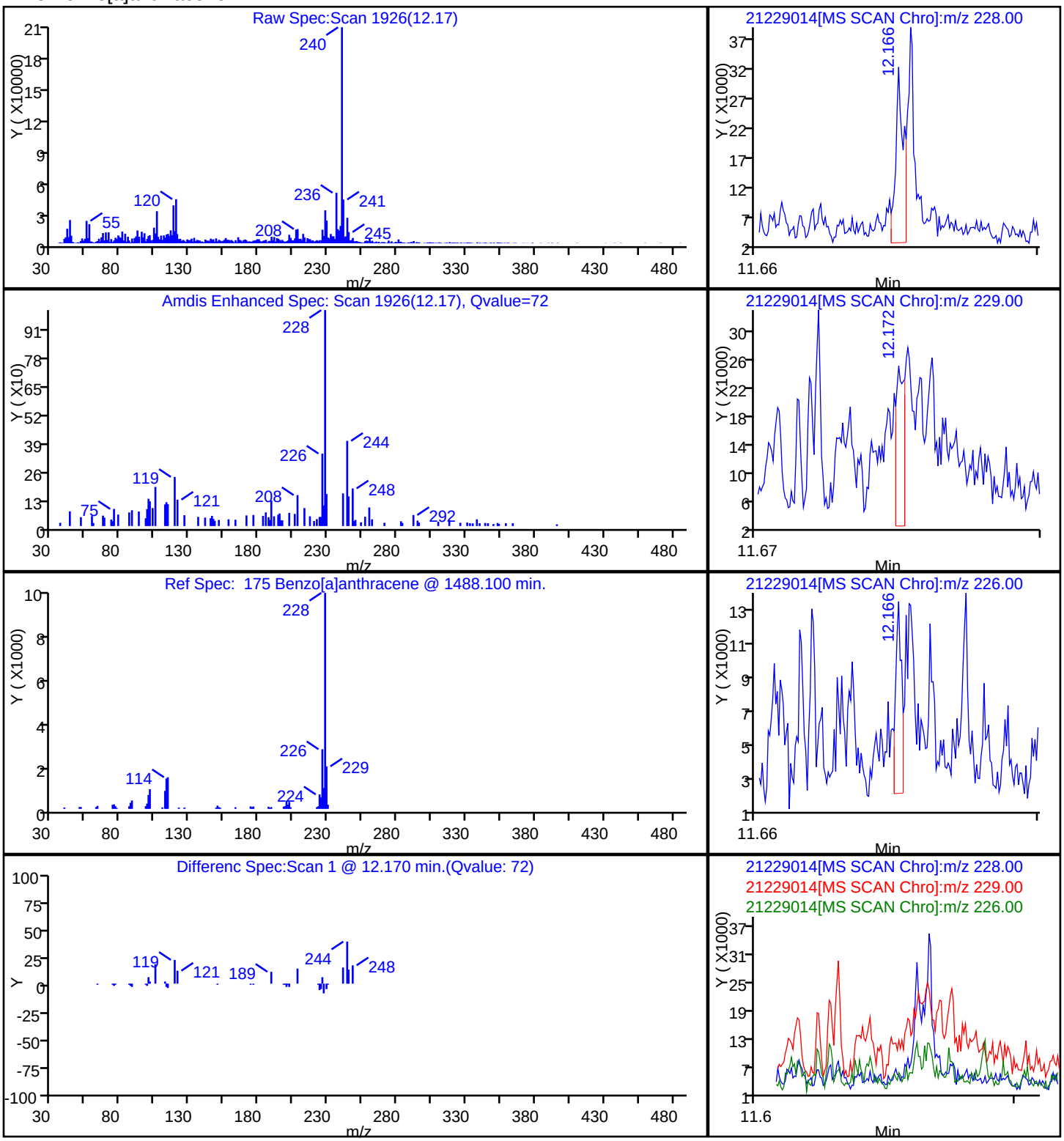
Injection Date:	29-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

175 Benzo[a]anthracene



Report Date: 31-Dec-2012 12:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

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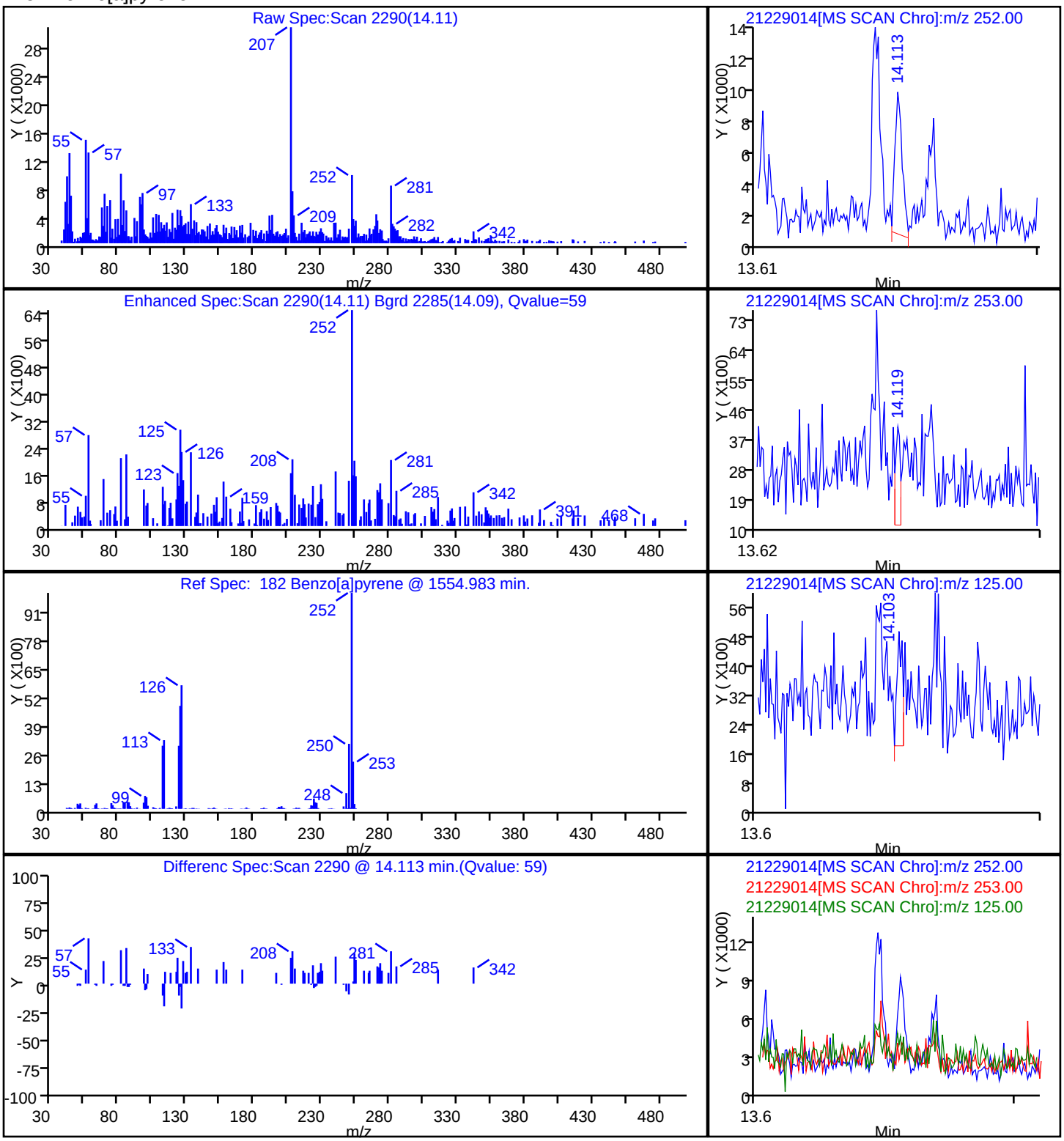
Injection Date:	29-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene



Report Date: 31-Dec-2012 12:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

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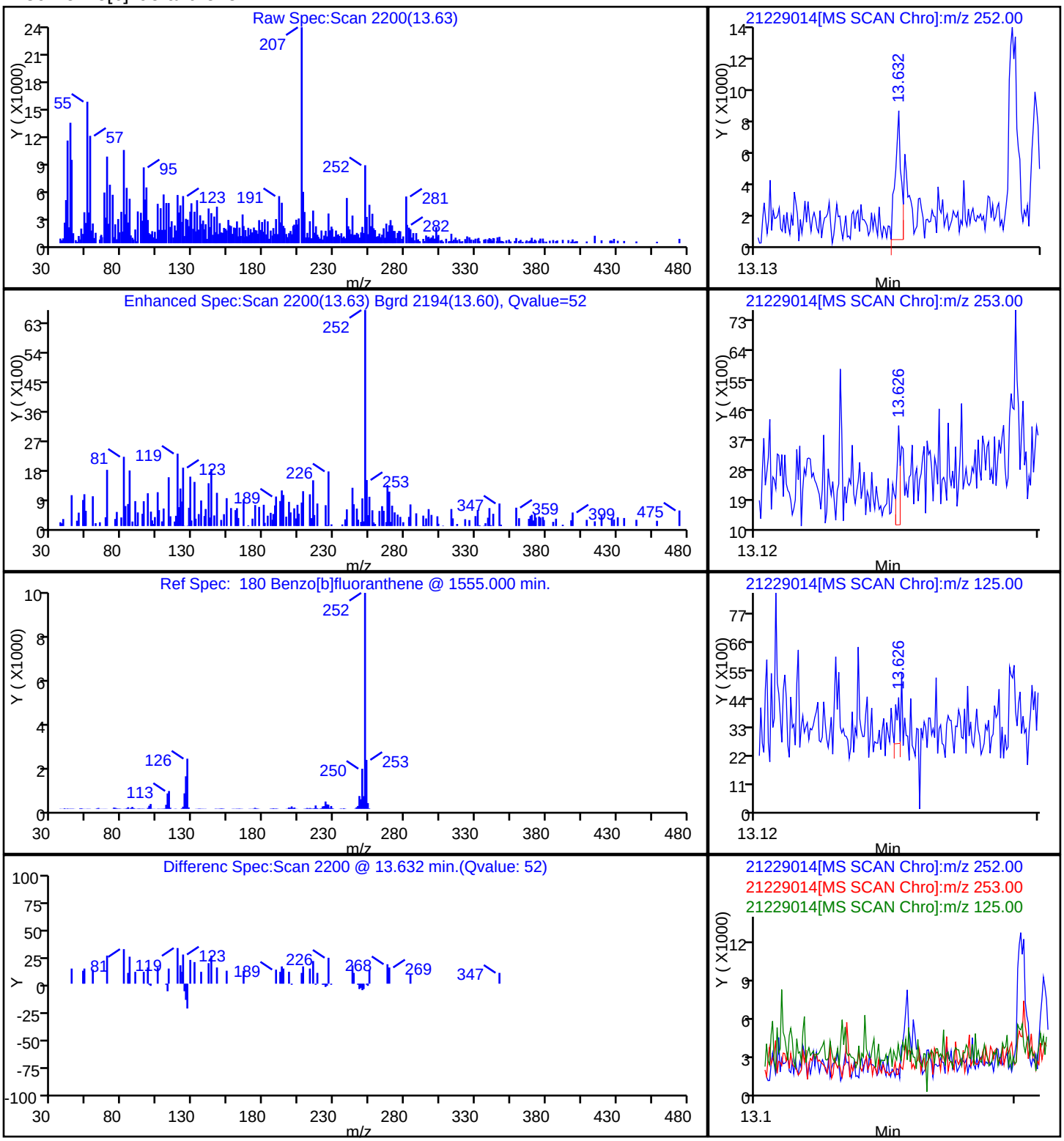
Injection Date:	29-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene



Report Date: 31-Dec-2012 12:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229014.D		
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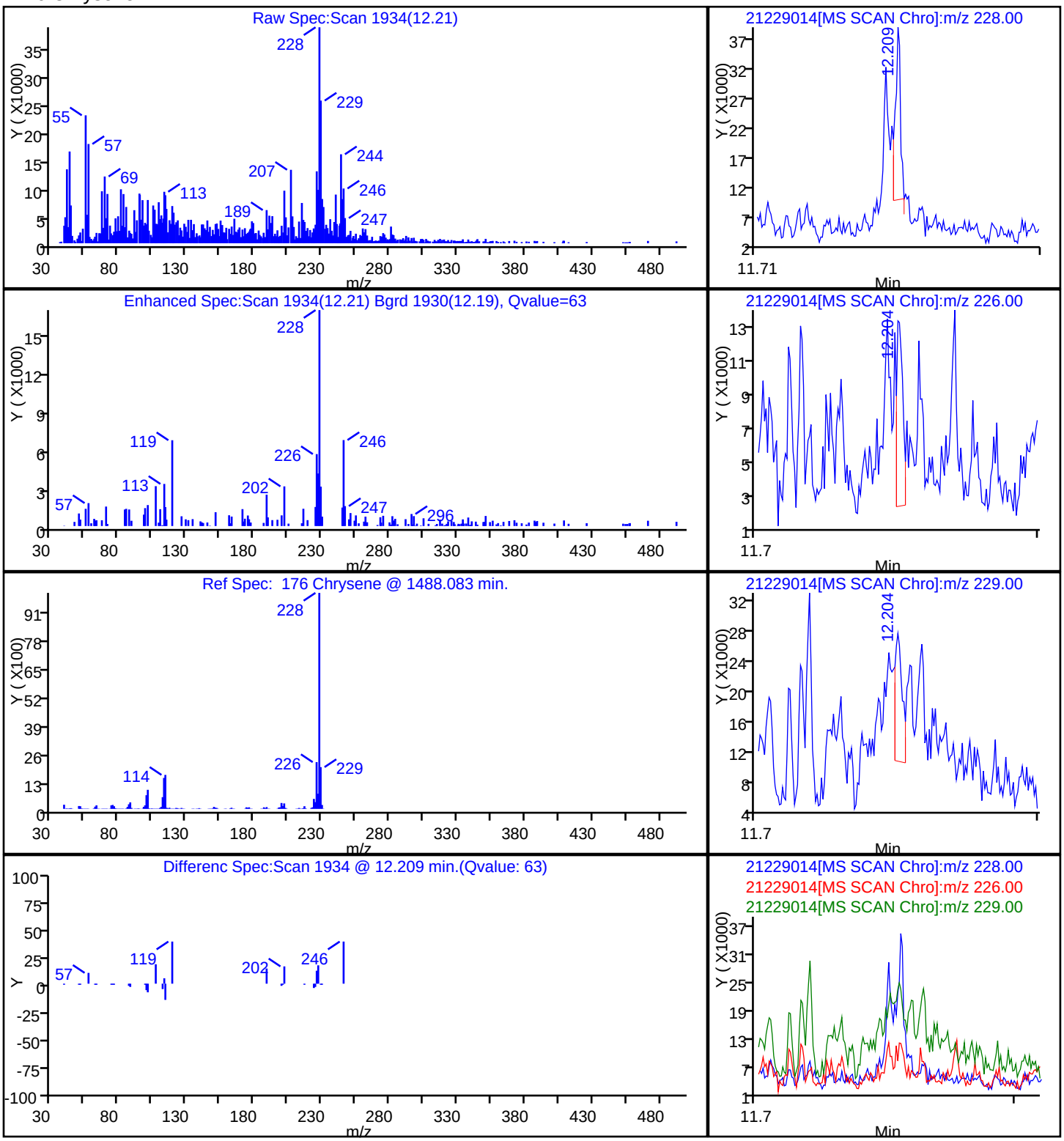
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

176 Chrysene



Report Date: 31-Dec-2012 12:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

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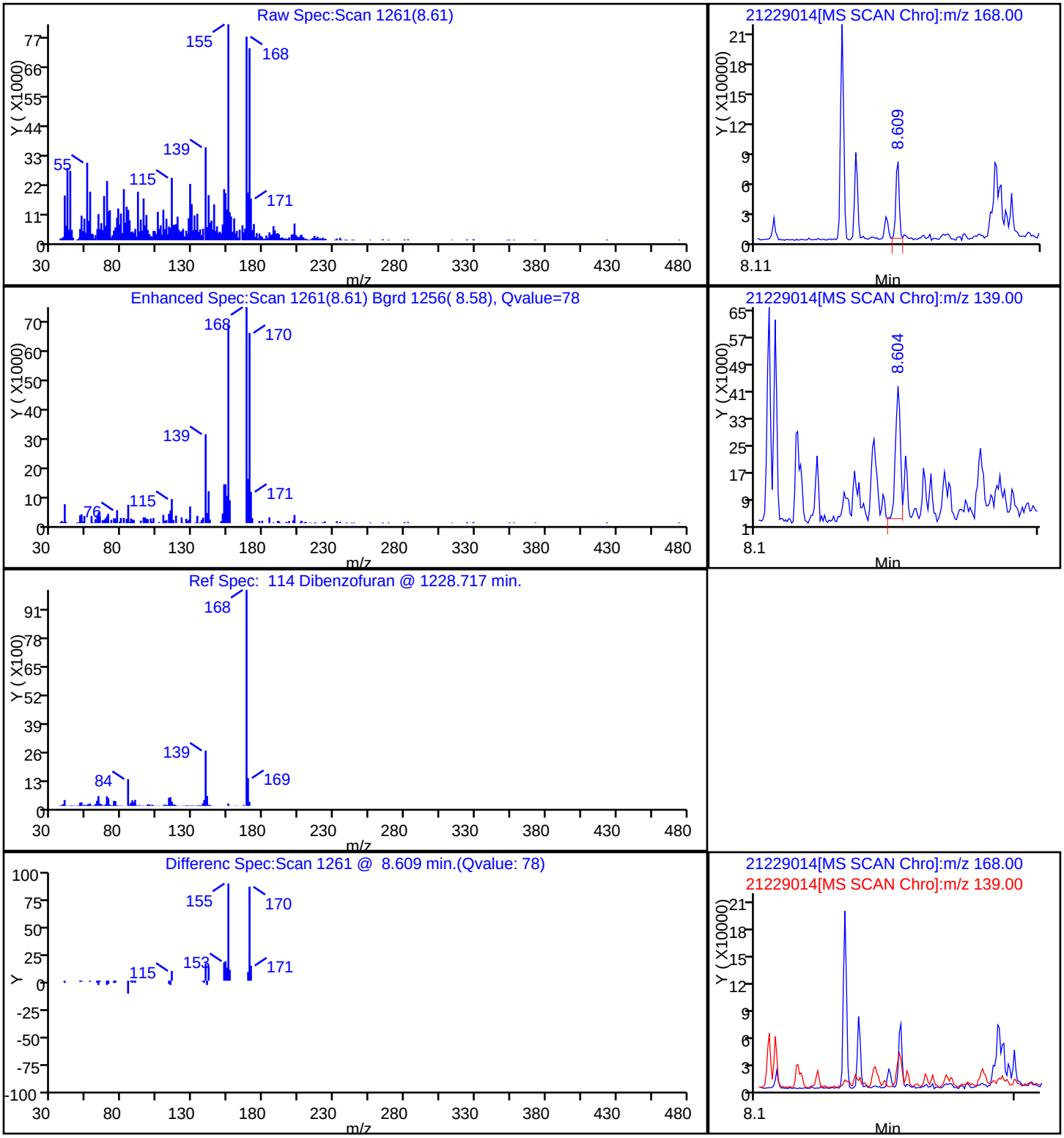
Injection Date:	29-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

114 Dibenzofuran



Report Date: 31-Dec-2012 12:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

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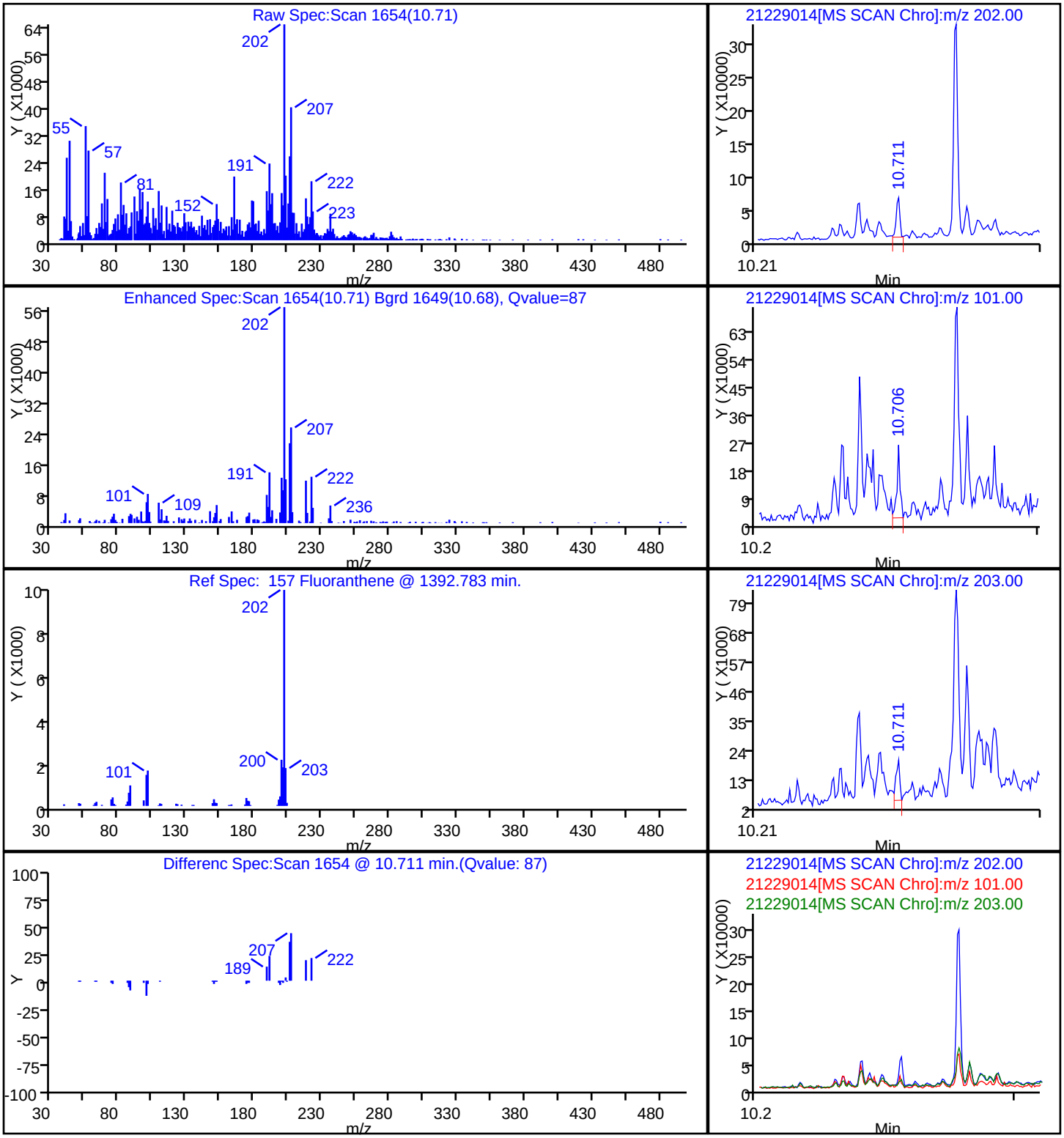
Injection Date:	29-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



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TestAmerica Canton

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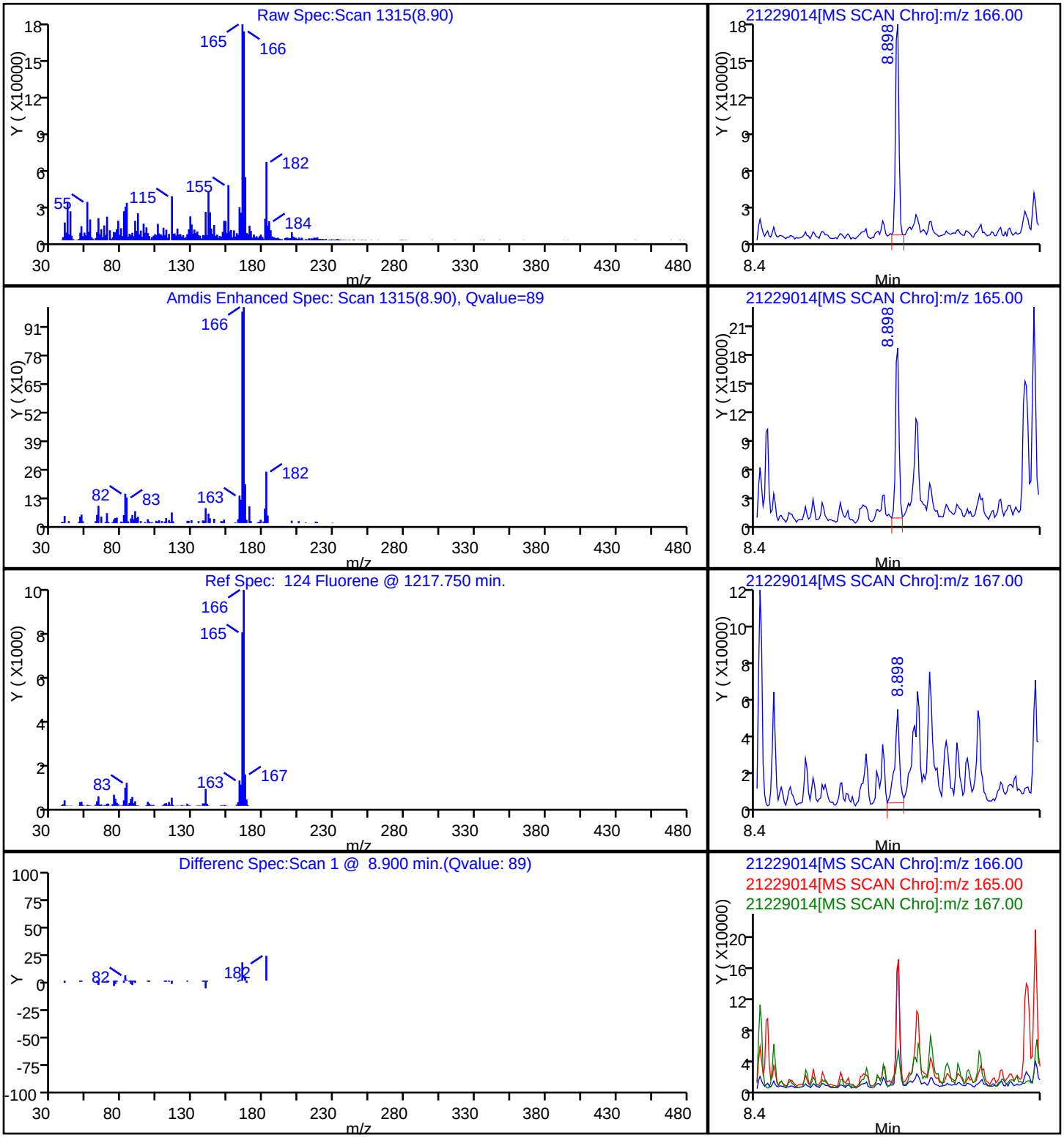
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

124 Fluorene



Report Date: 31-Dec-2012 12:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

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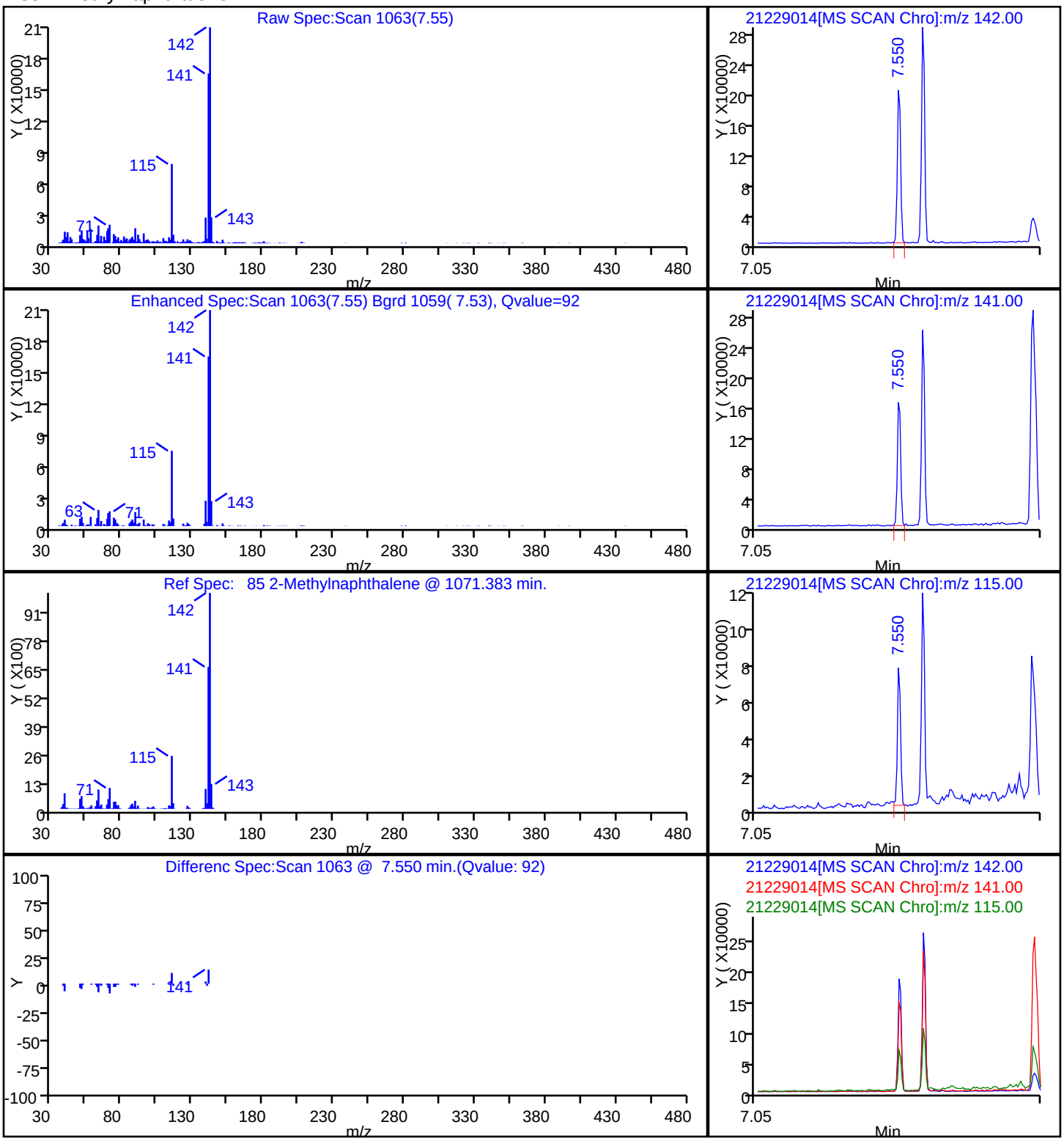
Injection Date:	29-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



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TestAmerica Canton

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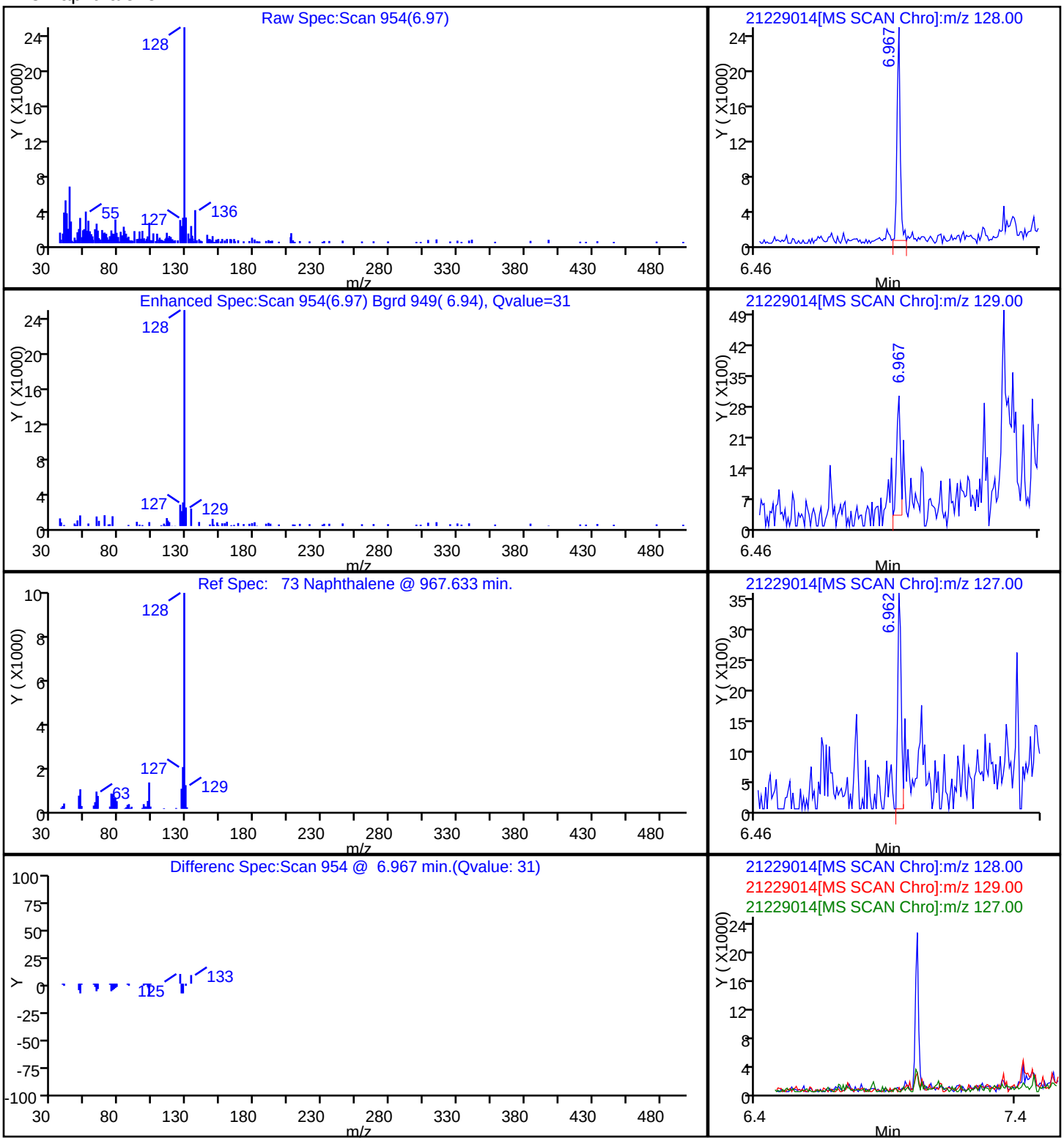
Injection Date:	29-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



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TestAmerica Canton

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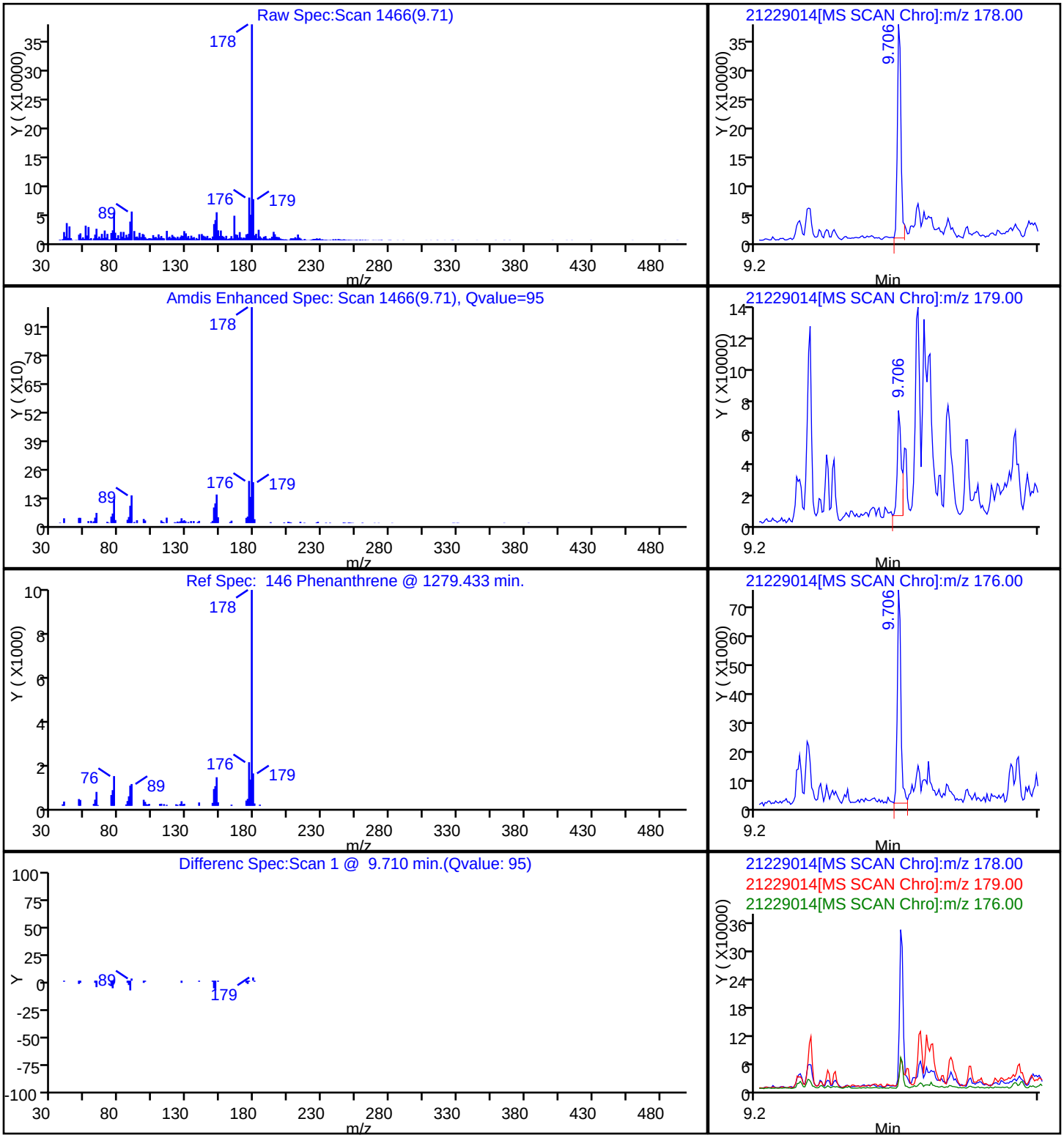
Injection Date:	29-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



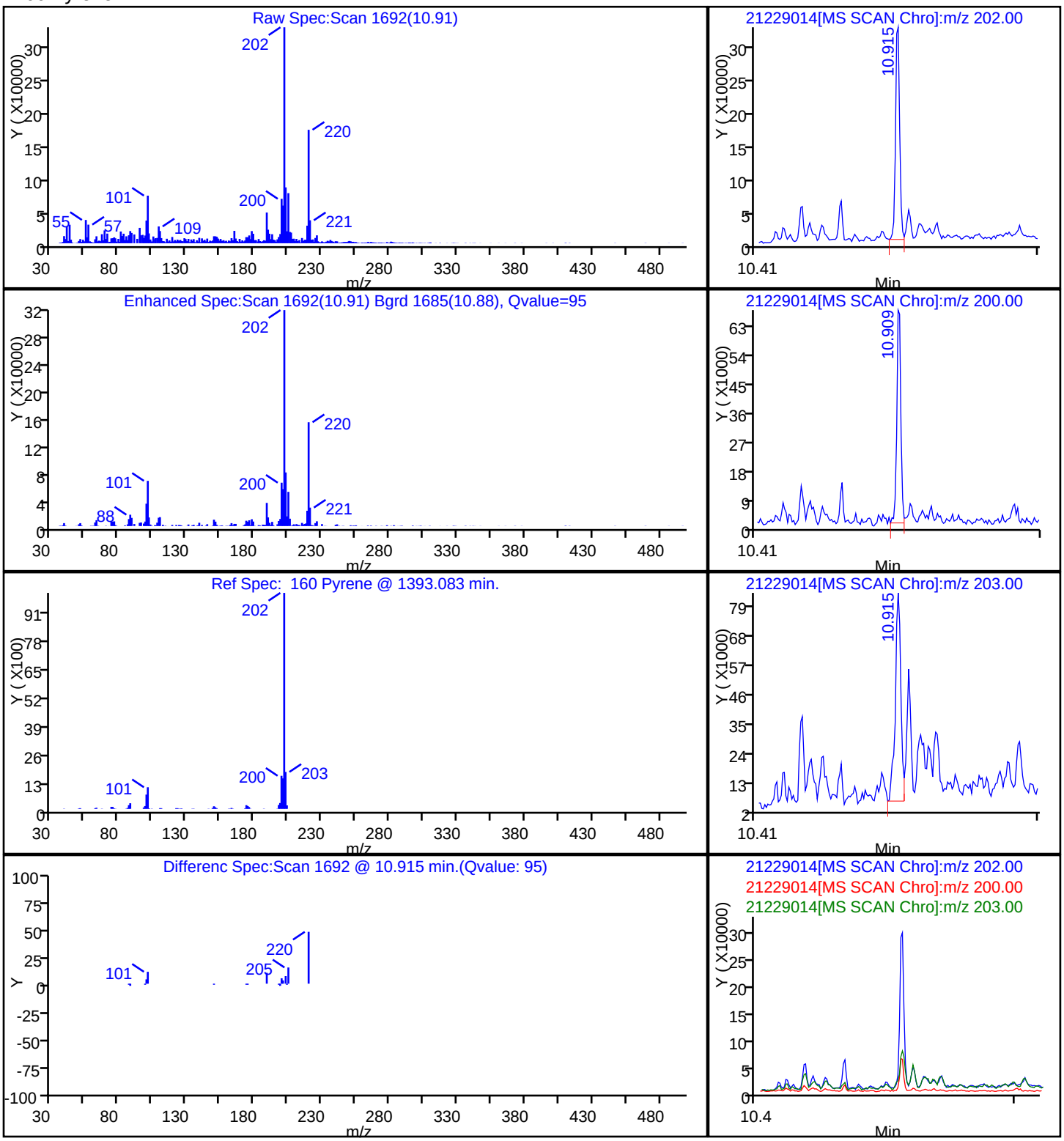
Report Date: 31-Dec-2012 12:46:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229014.D

Injection Date:	29-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO | Lab Sample ID: 240-18581-3

Matrix: Solid | Lab File ID: 21229015.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:15

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.66(g) | Date Analyzed: 12/29/2012 17:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	33	U	67	33	33
208-96-8	Acenaphthylene	33	U	67	33	33
120-12-7	Anthracene	33	U	67	33	33
56-55-3	Benzo[a]anthracene	33	U	67	33	33
50-32-8	Benzo[a]pyrene	33	U	67	33	33
205-99-2	Benzo[b]fluoranthene	33	U	67	33	33
191-24-2	Benzo[g,h,i]perylene	33	U J	67	33	33
65-85-0	Benzoic acid	3400	U	6700	3400	3400
207-08-9	Benzo[k]fluoranthene	33	U	67	33	33
100-51-6	Benzyl alcohol	270	U	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	270	U J	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	33	U	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	270	U	1000	270	96
117-81-7	Bis(2-ethylhexyl) phthalate	270	U	510	270	190
101-55-3	4-Bromophenyl phenyl ether	270	U	510	270	130
85-68-7	Butyl benzyl phthalate	270	U	510	270	100
86-74-8	Carbazole	270	U	510	270	270
106-47-8	4-Chloroaniline	270	U J	1500	270	170
59-50-7	4-Chloro-3-methylphenol	270	U	1500	270	210
91-58-7	2-Chloronaphthalene	33	U	510	33	33
95-57-8	2-Chlorophenol	270	U	510	270	270
7005-72-3	4-Chlorophenyl phenyl ether	270	U	510	270	130
218-01-9	Chrysene	33	U	67	33	11
53-70-3	Dibenz(a,h)anthracene	33	U J	67	33	33
132-64-9	Dibenzofuran	33	U	510	33	33
95-50-1	1,2-Dichlorobenzene	270	U J	510	270	98
541-73-1	1,3-Dichlorobenzene	270	U	510	270	110
106-46-7	1,4-Dichlorobenzene	270	U	510	270	200
91-94-1	3,3'-Dichlorobenzidine	810	U J	1000	810	180
120-83-2	2,4-Dichlorophenol	270	U	1500	270	200
84-66-2	Diethyl phthalate	270	U	510	270	160
105-67-9	2,4-Dimethylphenol	810	U	1500	810	200
131-11-3	Dimethyl phthalate	270	U	510	270	170
84-74-2	Di-n-butyl phthalate	270	U	510	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO | Lab Sample ID: 240-18581-3

Matrix: Solid | Lab File ID: 21229015.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:15

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.66(g) | Date Analyzed: 12/29/2012 17:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	810	U	1500	810	810
51-28-5	2,4-Dinitrophenol	810	U	3300	810	810
121-14-2	2,4-Dinitrotoluene	270	U	2000	270	270
606-20-2	2,6-Dinitrotoluene	270	U	2000	270	210
117-84-0	Di-n-octyl phthalate	270	U	510	270	270
206-44-0	Fluoranthene	33	U	67	33	33
86-73-7	Fluorene	33	U	67	33	33
118-74-1	Hexachlorobenzene	33	U	67	33	21
87-68-3	Hexachlorobutadiene	270	U	510	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	270	U	510	270	91
193-39-5	Indeno[1,2,3-cd]pyrene	33	U J	67	33	33
78-59-1	Isophorone	270	U	510	270	130
91-57-6	2-Methylnaphthalene	33	U	67	33	33
95-48-7	2-Methylphenol	810	U	2000	810	810
15831-10-4	3 & 4 Methylphenol	810	U	4000	810	200
91-20-3	Naphthalene	33	U	67	33	33
88-74-4	2-Nitroaniline	270	U	2000	270	92
99-09-2	3-Nitroaniline	810	U	2000	810	160
100-01-6	4-Nitroaniline	270	U	2000	270	260
98-95-3	Nitrobenzene	33	U	1000	33	22
88-75-5	2-Nitrophenol	270	U	510	270	270
100-02-7	4-Nitrophenol	810	U	3300	810	810
621-64-7	N-Nitrosodi-n-propylamine	270	U	510	270	270
86-30-6	N-Nitrosodiphenylamine	270	U	510	270	210
87-86-5	Pentachlorophenol	810	U	1500	810	810
85-01-8	Phenanthrene	33	U	67	33	33
108-95-2	Phenol	270	U	510	270	270
129-00-0	Pyrene	33	U	67	33	33
120-82-1	1,2,4-Trichlorobenzene	270	U J	510	270	270
95-95-4	2,4,5-Trichlorophenol	270	U	1500	270	250
88-06-2	2,4,6-Trichlorophenol	810	U	1500	810	810

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO | Lab Sample ID: 240-18581-3

Matrix: Solid | Lab File ID: 21229015.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:15

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.66(g) | Date Analyzed: 12/29/2012 17:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	46		45-105
367-12-4	2-Fluorophenol (Surr)	58		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	42		35-100
4165-62-2	Phenol-d5 (Surr)	55		40-100
1718-51-0	Terphenyl-d14 (Surr)	54		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	55		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229015.D		
Lims ID:	240-18581-L-3-I	Client ID:	070SB-044M-0001-SO
Inject. Date:	29-Dec-2012 17:39:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	240-0016274-015		
Misc. Info.:	240-18581-L-3-I		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	70582	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m		
Last Update:	31-Dec-2012 12:46:14	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		

First Level Reviewer: gruberj Date: 31-Dec-2012 12:33:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.833	5.834	-0.001	97	248988	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	1017577	4.00	
* 3 Acenaphthene-d10	164	8.438	8.438	0.0	91	613948	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	99	999205	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	97	984493	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	95	676956	4.00	
$ 7 2-Fluorophenol	112	4.603	4.577	0.026	92	66451	0.8699	
$ 8 Phenol-d5	99	5.486	5.480	0.006	94	83568	0.8218	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	93	47028	0.4196	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	93	100639	0.4574	
$ 11 2,4,6-Tribromophenol	330	9.101	9.096	0.005	83	16949	0.8211	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	98	108764	0.5400	
41 Phenol	94		5.491					9
44 Bis(2-chloroethyl)ether	93		5.587					9
46 2-Chlorophenol	128		5.641					
47 1,3-Dichlorobenzene	146		5.780					9
48 1,4-Dichlorobenzene	146		5.850					9
49 Benzyl alcohol	108		5.946					9
50 1,2-Dichlorobenzene	146		5.983					
51 2-Methylphenol	108		6.037					9
52 2,2'-oxybis[1-chloropropane]	45		6.063					9
191 3 & 4 Methylphenol	108		6.165					
56 N-Nitrosodi-n-propylamine	70		6.176					
60 Hexachloroethane	117		6.288					9
61 Nitrobenzene	77		6.336					9
63 Isophorone	82		6.540					
65 2-Nitrophenol	139		6.614					9
64 2,4-Dimethylphenol	107		6.630					
69 Benzoic acid	122		6.689					9
68 Bis(2-chloroethoxy)methane	93		6.716					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.818					9
72 1,2,4-Trichlorobenzene	180		6.893					
73 Naphthalene	128		6.967					
74 4-Chloroaniline	127		7.000					
77 Hexachlorobutadiene	225		7.064					
84 4-Chloro-3-methylphenol	107		7.395					
85 2-Methylnaphthalene	142		7.556					9
88 Hexachlorocyclopentadiene	237		7.684					
90 2,4,6-Trichlorophenol	196		7.780					
91 2,4,5-Trichlorophenol	196		7.812					
98 2-Chloronaphthalene	162		7.968					9
100 2-Nitroaniline	65		8.042					
103 Dimethyl phthalate	163		8.182					
105 2,6-Dinitrotoluene	165		8.240					
107 Acenaphthylene	152		8.321					
108 3-Nitroaniline	138		8.385					
110 Acenaphthene	153		8.465					
109 2,4-Dinitrophenol	184		8.470					
111 4-Nitrophenol	109		8.502					9
112 2,4-Dinitrotoluene	165		8.577					
114 Dibenzofuran	168		8.609					
119 Diethyl phthalate	149		8.770					
121 4-Chlorophenyl phenyl ether	204		8.882					9
123 4-Nitroaniline	138		8.898					
124 Fluorene	166		8.898					9
126 4,6-Dinitro-2-methylphenol	198		8.920					9
130 N-Nitrosodiphenylamine	169		8.978					
137 4-Bromophenyl phenyl ether	248		9.299					
139 Hexachlorobenzene	284		9.358					
141 Pentachlorophenol	266		9.519					
146 Phenanthrene	178		9.711					9
147 Anthracene	178		9.754					9
149 Carbazole	167		9.877					
151 Di-n-butyl phthalate	149		10.134					9
157 Fluoranthene	202		10.711					
160 Pyrene	202		10.915					9
166 Butyl benzyl phthalate	149		11.487					
173 3,3'-Dichlorobenzidine	252		12.118					9
171 Bis(2-ethylhexyl) phthalate	149		12.140					
175 Benzo[a]anthracene	228		12.166					
176 Chrysene	228		12.214					9
178 Di-n-octyl phthalate	149		13.017					
180 Benzo[b]fluoranthene	252		13.632					9
181 Benzo[k]fluoranthene	252		13.669					
182 Benzo[a]pyrene	252		14.119					
186 Indeno[1,2,3-cd]pyrene	276		15.814					9
187 Dibenz(a,h)anthracene	278		15.841					9
188 Benzo[g,h,i]perylene	276		16.231					

QC Flag Legend

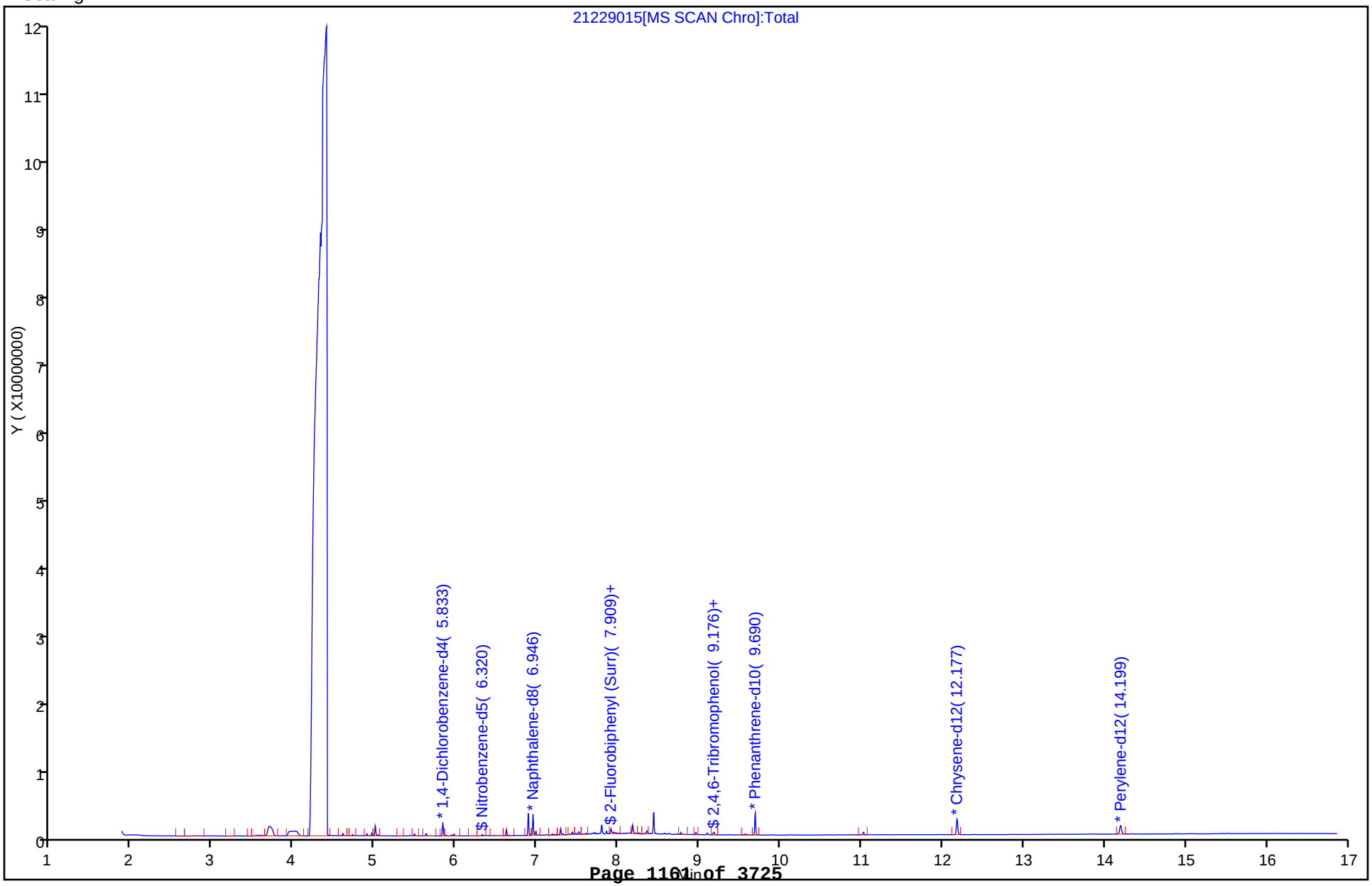
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:46:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229015.D		
Injection Date:	29-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-045M-0001-SO | Lab Sample ID: 240-18581-4

Matrix: Solid | Lab File ID: 21229019.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:15

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.93(g) | Date Analyzed: 12/29/2012 19:13

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	33	U	67	33	33
208-96-8	Acenaphthylene	33	U	67	33	33
120-12-7	Anthracene	33	U	67	33	33
56-55-3	Benzo[a]anthracene	33	U	67	33	33
50-32-8	Benzo[a]pyrene	33	U	67	33	33
205-99-2	Benzo[b]fluoranthene	33	U	67	33	33
191-24-2	Benzo[g,h,i]perylene	33	U	67	33	33
65-85-0	Benzoic acid	3300	U	6600	3300	3300
207-08-9	Benzo[k]fluoranthene	33	U	67	33	33
100-51-6	Benzyl alcohol	270	U	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	270	U	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	33	U	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	270	U	1000	270	95
117-81-7	Bis(2-ethylhexyl) phthalate	270	U	500	270	190
101-55-3	4-Bromophenyl phenyl ether	270	U	500	270	130
85-68-7	Butyl benzyl phthalate	270	U	500	270	100
86-74-8	Carbazole	270	U	500	270	270
106-47-8	4-Chloroaniline	270	U	1500	270	170
59-50-7	4-Chloro-3-methylphenol	270	U	1500	270	210
91-58-7	2-Chloronaphthalene	33	U	500	33	33
95-57-8	2-Chlorophenol	270	U	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	270	U	500	270	130
218-01-9	Chrysene	33	U	67	33	11
53-70-3	Dibenz(a,h)anthracene	33	U	67	33	33
132-64-9	Dibenzofuran	33	U	500	33	33
95-50-1	1,2-Dichlorobenzene	270	U	500	270	97
541-73-1	1,3-Dichlorobenzene	270	U	500	270	110
106-46-7	1,4-Dichlorobenzene	270	U	500	270	200
91-94-1	3,3'-Dichlorobenzidine	800	U	1000	800	180
120-83-2	2,4-Dichlorophenol	270	U	1500	270	200
84-66-2	Diethyl phthalate	270	U	500	270	160
105-67-9	2,4-Dimethylphenol	800	U	1500	800	200
131-11-3	Dimethyl phthalate	270	U	500	270	170
84-74-2	Di-n-butyl phthalate	270	U	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-045M-0001-SO | Lab Sample ID: 240-18581-4

Matrix: Solid | Lab File ID: 21229019.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:15

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.93(g) | Date Analyzed: 12/29/2012 19:13

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	800	U	1500	800	800
51-28-5	2,4-Dinitrophenol	800	U	3300	800	800
121-14-2	2,4-Dinitrotoluene	270	U	2000	270	270
606-20-2	2,6-Dinitrotoluene	270	U	2000	270	210
117-84-0	Di-n-octyl phthalate	270	U	500	270	270
206-44-0	Fluoranthene	33	U	67	33	33
86-73-7	Fluorene	33	U	67	33	33
118-74-1	Hexachlorobenzene	33	U	67	33	21
87-68-3	Hexachlorobutadiene	270	U	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	270	U	500	270	90
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	67	33	33
78-59-1	Isophorone	270	U	500	270	130
91-57-6	2-Methylnaphthalene	81	D	67	33	33
95-48-7	2-Methylphenol	800	U	2000	800	800
15831-10-4	3 & 4 Methylphenol	800	U	4000	800	200
91-20-3	Naphthalene	69	D	67	33	33
88-74-4	2-Nitroaniline	270	U	2000	270	91
99-09-2	3-Nitroaniline	800	U	2000	800	160
100-01-6	4-Nitroaniline	270	U	2000	270	260
98-95-3	Nitrobenzene	33	U	1000	33	22
88-75-5	2-Nitrophenol	270	U	500	270	270
100-02-7	4-Nitrophenol	800	U	3300	800	800
621-64-7	N-Nitrosodi-n-propylamine	270	U	500	270	270
86-30-6	N-Nitrosodiphenylamine	270	U	500	270	210
87-86-5	Pentachlorophenol	800	U	1500	800	800
85-01-8	Phenanthrene	45	J D	67	33	33
108-95-2	Phenol	270	U	500	270	270
129-00-0	Pyrene	33	U	67	33	33
120-82-1	1,2,4-Trichlorobenzene	270	U	500	270	270
95-95-4	2,4,5-Trichlorophenol	270	U	1500	270	250
88-06-2	2,4,6-Trichlorophenol	800	U	1500	800	800

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-045M-0001-SO | Lab Sample ID: 240-18581-4

Matrix: Solid | Lab File ID: 21229019.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:15

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.93(g) | Date Analyzed: 12/29/2012 19:13

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	50		45-105
367-12-4	2-Fluorophenol (Surr)	65		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	45		35-100
4165-62-2	Phenol-d5 (Surr)	59		40-100
1718-51-0	Terphenyl-d14 (Surr)	62		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	57		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229019.D		
Lims ID:	240-18581-B-4-C	Client ID:	070SB-045M-0001-SO
Inject. Date:	29-Dec-2012 19:13:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	240-0016274-019		
Misc. Info.:	240-18581-B-4-C		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	70582	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m		
Last Update:	31-Dec-2012 12:46:14	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		

First Level Reviewer: gruberj Date: 31-Dec-2012 12:36:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.833	5.834	-0.001	97	259244	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	100	1053677	4.00	
* 3 Acenaphthene-d10	164	8.433	8.438	-0.005	92	650974	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	1058080	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	97	1015655	4.00	
* 6 Perylene-d12	264	14.193	14.199	-0.006	93	670402	4.00	
$ 7 2-Fluorophenol	112	4.609	4.577	0.032	86	77494	0.9744	
$ 8 Phenol-d5	99	5.486	5.480	0.006	97	94428	0.8918	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	85	52770	0.4546	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	95	117363	0.5031	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	76	18712	0.8549	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	95	128672	0.6192	
41 Phenol	94		5.491					9
44 Bis(2-chloroethyl)ether	93		5.587					9
46 2-Chlorophenol	128		5.641					
47 1,3-Dichlorobenzene	146		5.780					9
48 1,4-Dichlorobenzene	146		5.850					9
49 Benzyl alcohol	108		5.946					9
50 1,2-Dichlorobenzene	146		5.983					
51 2-Methylphenol	108		6.037					9
52 2,2'-oxybis[1-chloropropane]	45		6.063					
191 3 & 4 Methylphenol	108		6.165					
56 N-Nitrosodi-n-propylamine	70		6.176					
60 Hexachloroethane	117		6.288					9
61 Nitrobenzene	77		6.336					
63 Isophorone	82		6.540					
65 2-Nitrophenol	139		6.614					9
64 2,4-Dimethylphenol	107		6.630					9
69 Benzoic acid	122		6.689					9
68 Bis(2-chloroethoxy)methane	93		6.716					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.818					9
72 1,2,4-Trichlorobenzene	180		6.893					
73 Naphthalene	128	6.967	6.967	0.0	40	26695	0.1037	
74 4-Chloroaniline	127		7.000					9
77 Hexachlorobutadiene	225		7.064					
84 4-Chloro-3-methylphenol	107		7.395					9
85 2-Methylnaphthalene	142	7.550	7.556	-0.006	86	20425	0.1209	
88 Hexachlorocyclopentadiene	237		7.684					
90 2,4,6-Trichlorophenol	196		7.780					9
91 2,4,5-Trichlorophenol	196		7.812					9
98 2-Chloronaphthalene	162		7.968					
100 2-Nitroaniline	65		8.042					
103 Dimethyl phthalate	163		8.182					
105 2,6-Dinitrotoluene	165		8.240					
107 Acenaphthylene	152		8.321					
108 3-Nitroaniline	138		8.385					
110 Acenaphthene	153		8.465					
109 2,4-Dinitrophenol	184		8.470					
111 4-Nitrophenol	109		8.502					
112 2,4-Dinitrotoluene	165		8.577					9
114 Dibenzofuran	168		8.609					
119 Diethyl phthalate	149		8.770					
121 4-Chlorophenyl phenyl ether	204		8.882					9
123 4-Nitroaniline	138		8.898					
124 Fluorene	166		8.898					
126 4,6-Dinitro-2-methylphenol	198		8.920					
130 N-Nitrosodiphenylamine	169		8.978					
137 4-Bromophenyl phenyl ether	248		9.299					
139 Hexachlorobenzene	284		9.358					
141 Pentachlorophenol	266		9.519					9
146 Phenanthrene	178	9.706	9.711	-0.005	67	19169	0.0675	
147 Anthracene	178		9.754					
149 Carbazole	167		9.877					
151 Di-n-butyl phthalate	149		10.134					
157 Fluoranthene	202		10.711					
160 Pyrene	202		10.915					
166 Butyl benzyl phthalate	149		11.487					
173 3,3'-Dichlorobenzidine	252		12.118					9
171 Bis(2-ethylhexyl) phthalate	149		12.140					9
175 Benzo[a]anthracene	228		12.166					
176 Chrysene	228		12.214					9
178 Di-n-octyl phthalate	149		13.017					
180 Benzo[b]fluoranthene	252		13.632					
181 Benzo[k]fluoranthene	252		13.669					
182 Benzo[a]pyrene	252		14.119					
186 Indeno[1,2,3-cd]pyrene	276		15.814					9
187 Dibenz(a,h)anthracene	278		15.841					9
188 Benzo[g,h,i]perylene	276		16.231					9

QC Flag Legend

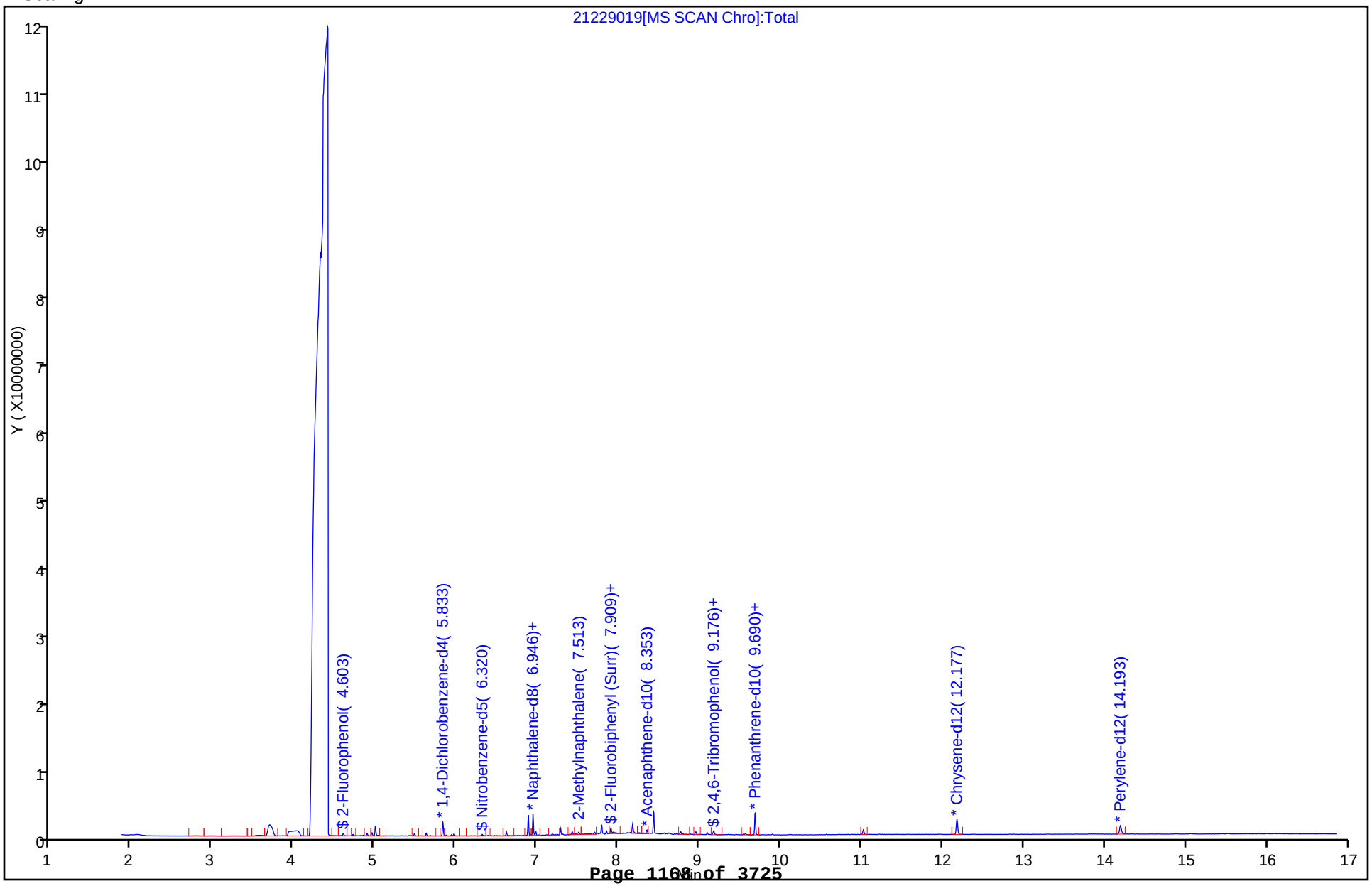
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:46:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229019.D		
Injection Date:	29-Dec-2012 19:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-045M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	19
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



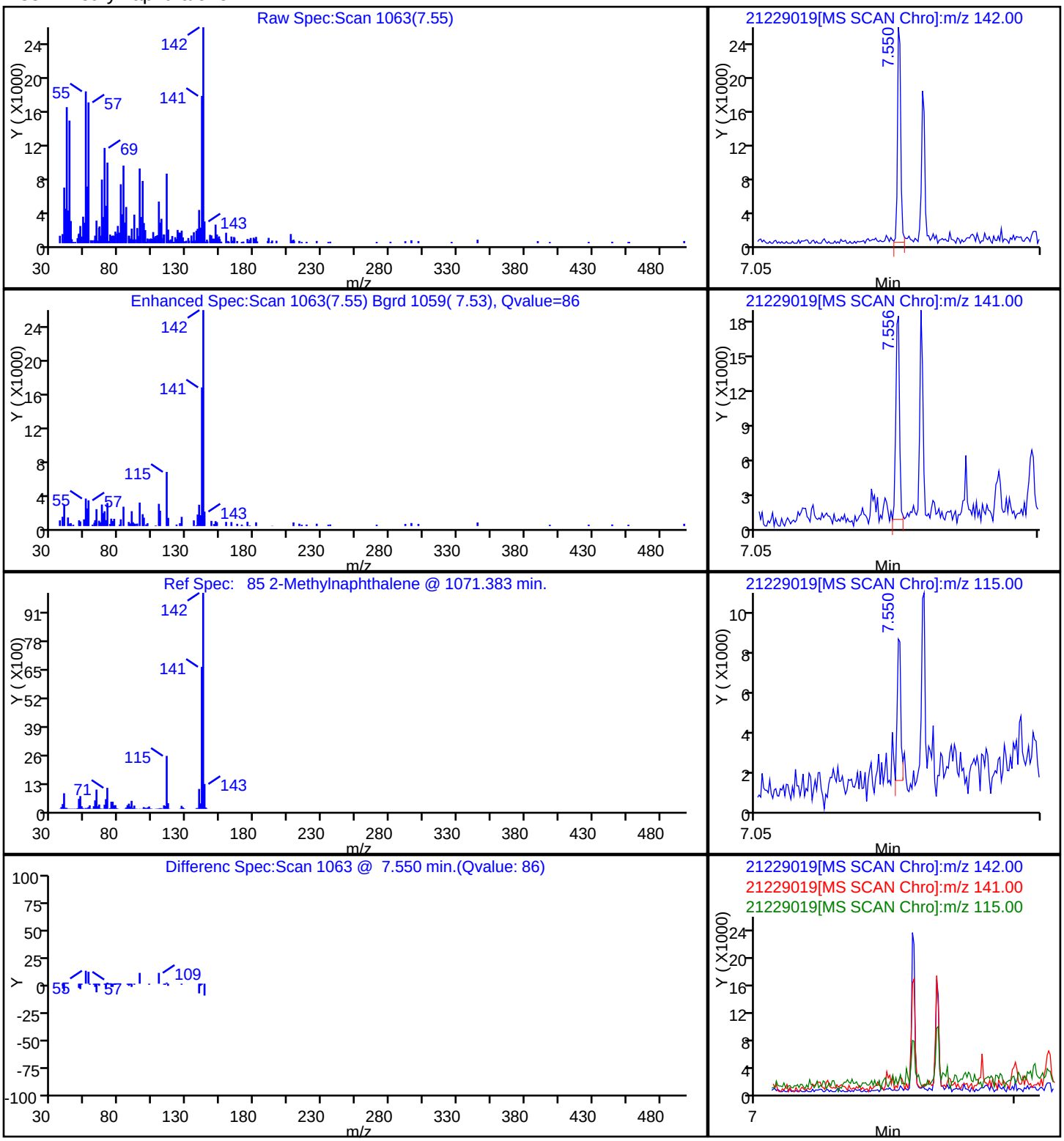
Report Date: 31-Dec-2012 12:46:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229019.D

Injection Date:	29-Dec-2012 19:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-045M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	19
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



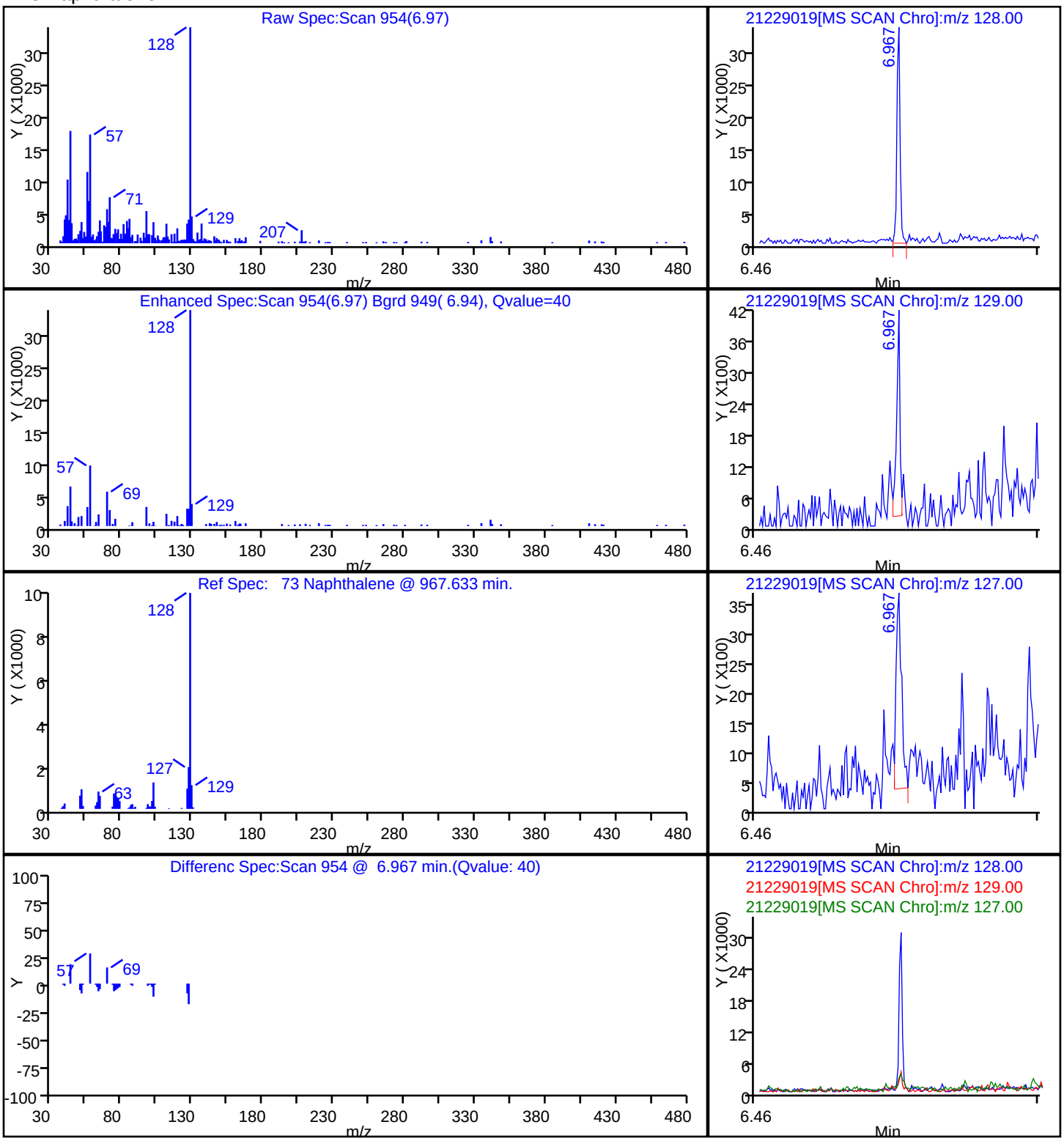
Report Date: 31-Dec-2012 12:46:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229019.D

Injection Date:	29-Dec-2012 19:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-045M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	19
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



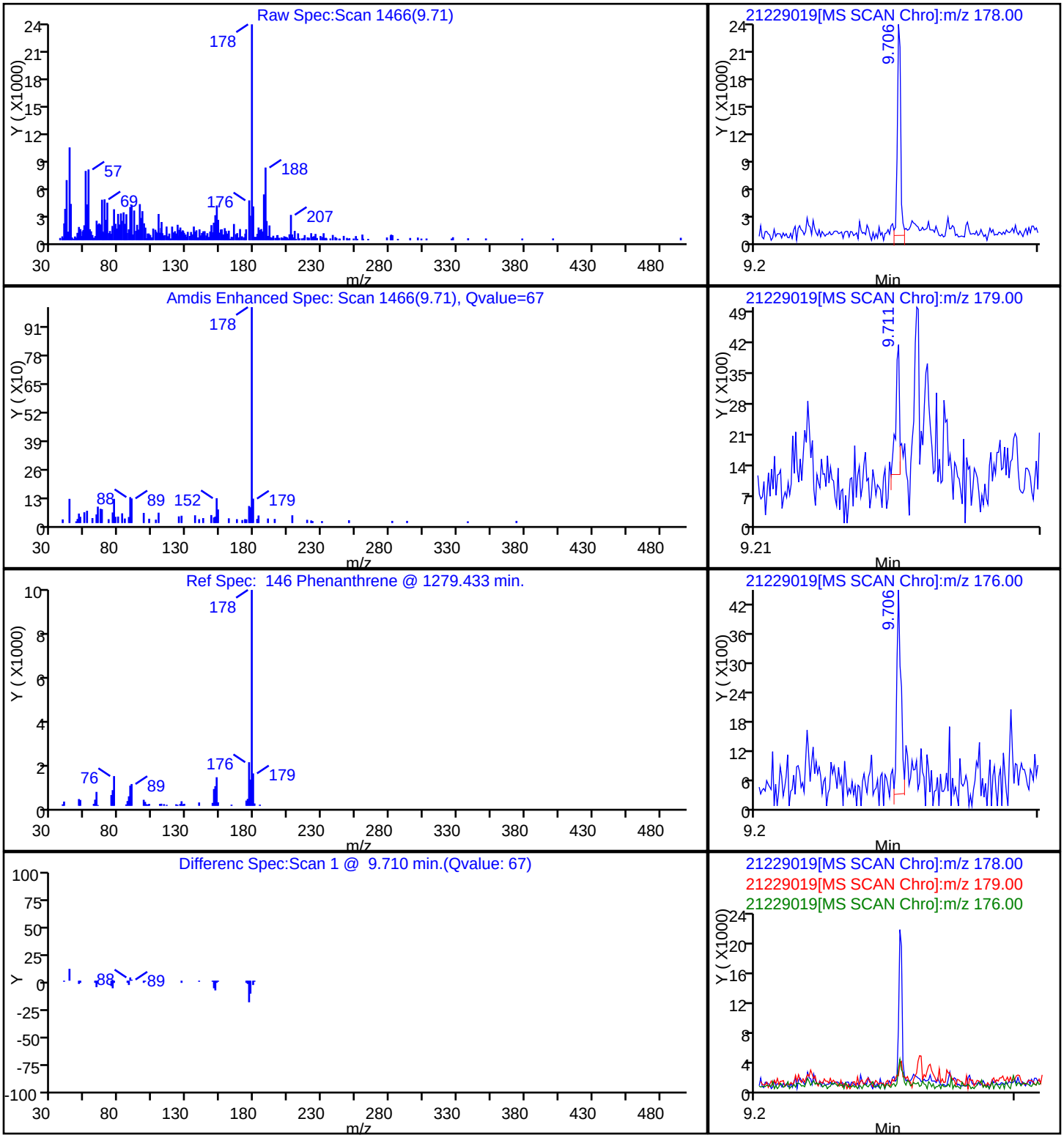
Report Date: 31-Dec-2012 12:46:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229019.D

Injection Date:	29-Dec-2012 19:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-045M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	19
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO | Lab Sample ID: 240-18581-5

Matrix: Solid | Lab File ID: 21229023.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:50

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/29/2012 20:46

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	33	U	67	33	33
208-96-8	Acenaphthylene	33	U	67	33	33
120-12-7	Anthracene	33	U	67	33	33
56-55-3	Benzo[a]anthracene	33	U	67	33	33
50-32-8	Benzo[a]pyrene	33	U	67	33	33
205-99-2	Benzo[b]fluoranthene	33	U	67	33	33
191-24-2	Benzo[g,h,i]perylene	33	U	67	33	33
65-85-0	Benzoic acid	3300	U	6600	3300	3300
207-08-9	Benzo[k]fluoranthene	33	U	67	33	33
100-51-6	Benzyl alcohol	270	U	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	270	U	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	33	U	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	270	U	1000	270	95
117-81-7	Bis(2-ethylhexyl) phthalate	270	U	500	270	190
101-55-3	4-Bromophenyl phenyl ether	270	U	500	270	130
85-68-7	Butyl benzyl phthalate	270	U	500	270	100
86-74-8	Carbazole	270	U	500	270	270
106-47-8	4-Chloroaniline	270	U	1500	270	170
59-50-7	4-Chloro-3-methylphenol	270	U	1500	270	210
91-58-7	2-Chloronaphthalene	33	U	500	33	33
95-57-8	2-Chlorophenol	270	U	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	270	U	500	270	130
218-01-9	Chrysene	33	U	67	33	11
53-70-3	Dibenz(a,h)anthracene	33	U	67	33	33
132-64-9	Dibenzofuran	33	U	500	33	33
95-50-1	1,2-Dichlorobenzene	270	U	500	270	97
541-73-1	1,3-Dichlorobenzene	270	U	500	270	110
106-46-7	1,4-Dichlorobenzene	270	U	500	270	200
91-94-1	3,3'-Dichlorobenzidine	800	U	1000	800	180
120-83-2	2,4-Dichlorophenol	270	U	1500	270	200
84-66-2	Diethyl phthalate	270	U	500	270	160
105-67-9	2,4-Dimethylphenol	800	U	1500	800	200
131-11-3	Dimethyl phthalate	270	U	500	270	170
84-74-2	Di-n-butyl phthalate	270	U	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO | Lab Sample ID: 240-18581-5

Matrix: Solid | Lab File ID: 21229023.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:50

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/29/2012 20:46

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	800	U	1500	800	800
51-28-5	2,4-Dinitrophenol	800	U	3300	800	800
121-14-2	2,4-Dinitrotoluene	270	U	2000	270	270
606-20-2	2,6-Dinitrotoluene	270	U	2000	270	210
117-84-0	Di-n-octyl phthalate	270	U	500	270	270
206-44-0	Fluoranthene	33	U	67	33	33
86-73-7	Fluorene	33	U	67	33	33
118-74-1	Hexachlorobenzene	33	U	67	33	21
87-68-3	Hexachlorobutadiene	270	U	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	270	U	500	270	90
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	67	33	33
78-59-1	Isophorone	270	U	500	270	130
91-57-6	2-Methylnaphthalene	33	U	67	33	33
95-48-7	2-Methylphenol	800	U	2000	800	800
15831-10-4	3 & 4 Methylphenol	800	U	4000	800	200
91-20-3	Naphthalene	33	U	67	33	33
88-74-4	2-Nitroaniline	270	U	2000	270	91
99-09-2	3-Nitroaniline	800	U	2000	800	160
100-01-6	4-Nitroaniline	270	U	2000	270	260
98-95-3	Nitrobenzene	33	U	1000	33	22
88-75-5	2-Nitrophenol	270	U	500	270	270
100-02-7	4-Nitrophenol	800	U	3300	800	800
621-64-7	N-Nitrosodi-n-propylamine	270	U	500	270	270
86-30-6	N-Nitrosodiphenylamine	270	U	500	270	210
87-86-5	Pentachlorophenol	800	U	1500	800	800
85-01-8	Phenanthrene	33	U	67	33	33
108-95-2	Phenol	270	U	500	270	270
129-00-0	Pyrene	33	U	67	33	33
120-82-1	1,2,4-Trichlorobenzene	270	U	500	270	270
95-95-4	2,4,5-Trichlorophenol	270	U	1500	270	250
88-06-2	2,4,6-Trichlorophenol	800	U	1500	800	800

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO | Lab Sample ID: 240-18581-5

Matrix: Solid | Lab File ID: 21229023.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:50

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/29/2012 20:46

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	46		45-105
367-12-4	2-Fluorophenol (Surr)	66		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	45		35-100
4165-62-2	Phenol-d5 (Surr)	59		40-100
1718-51-0	Terphenyl-d14 (Surr)	63		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	54		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229023.D		
Lims ID:	240-18581-K-5-D	Client ID:	070SB-046M-0001-SO
Inject. Date:	29-Dec-2012 20:46:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	240-0016274-023		
Misc. Info.:	240-18581-K-5-D		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	70582	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m		
Last Update:	31-Dec-2012 12:46:14	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		

First Level Reviewer: gruberj Date: 31-Dec-2012 12:40:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.834	0.0	97	255974	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	1019273	4.00	
* 3 Acenaphthene-d10	164	8.433	8.438	-0.005	93	626267	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	99	1013225	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	98	958818	4.00	
* 6 Perylene-d12	264	14.193	14.199	-0.006	96	619449	4.00	
$ 7 2-Fluorophenol	112	4.598	4.577	0.021	91	77257	0.9838	
$ 8 Phenol-d5	99	5.481	5.480	0.001	96	93304	0.8925	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	91	50965	0.4539	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	98	104276	0.4646	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	75	16936	0.8043	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	97	123781	0.6310	
41 Phenol	94		5.491					9
44 Bis(2-chloroethyl)ether	93		5.587					9
46 2-Chlorophenol	128		5.641					9
47 1,3-Dichlorobenzene	146		5.780					9
48 1,4-Dichlorobenzene	146		5.850					9
49 Benzyl alcohol	108		5.946					9
50 1,2-Dichlorobenzene	146		5.983					9
51 2-Methylphenol	108		6.037					9
52 2,2'-oxybis[1-chloropropane]	45		6.063					
191 3 & 4 Methylphenol	108		6.165					
56 N-Nitrosodi-n-propylamine	70		6.176					
60 Hexachloroethane	117		6.288					9
61 Nitrobenzene	77		6.336					
63 Isophorone	82		6.540					
65 2-Nitrophenol	139		6.614					
64 2,4-Dimethylphenol	107		6.630					
69 Benzoic acid	122		6.689					9
68 Bis(2-chloroethoxy)methane	93		6.716					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.818					
72 1,2,4-Trichlorobenzene	180		6.893					
73 Naphthalene	128		6.967					
74 4-Chloroaniline	127		7.000					9
77 Hexachlorobutadiene	225		7.064					
84 4-Chloro-3-methylphenol	107		7.395					
85 2-Methylnaphthalene	142		7.556					
88 Hexachlorocyclopentadiene	237		7.684					
90 2,4,6-Trichlorophenol	196		7.780					
91 2,4,5-Trichlorophenol	196		7.812					
98 2-Chloronaphthalene	162		7.968					
100 2-Nitroaniline	65		8.042					9
103 Dimethyl phthalate	163		8.182					9
105 2,6-Dinitrotoluene	165		8.240					
107 Acenaphthylene	152		8.321					9
108 3-Nitroaniline	138		8.385					
110 Acenaphthene	153		8.465					
109 2,4-Dinitrophenol	184		8.470					
111 4-Nitrophenol	109		8.502					9
112 2,4-Dinitrotoluene	165		8.577					9
114 Dibenzofuran	168		8.609					
119 Diethyl phthalate	149		8.770					9
121 4-Chlorophenyl phenyl ether	204		8.882					
123 4-Nitroaniline	138		8.898					9
124 Fluorene	166		8.898					9
126 4,6-Dinitro-2-methylphenol	198		8.920					
130 N-Nitrosodiphenylamine	169		8.978					
137 4-Bromophenyl phenyl ether	248		9.299					
139 Hexachlorobenzene	284		9.358					
141 Pentachlorophenol	266		9.519					
146 Phenanthrene	178		9.711					
147 Anthracene	178		9.754					
149 Carbazole	167		9.877					
151 Di-n-butyl phthalate	149		10.134					
157 Fluoranthene	202		10.711					
160 Pyrene	202		10.915					
166 Butyl benzyl phthalate	149		11.487					
173 3,3'-Dichlorobenzidine	252		12.118					9
171 Bis(2-ethylhexyl) phthalate	149		12.140					9
175 Benzo[a]anthracene	228		12.166					9
176 Chrysene	228		12.214					
178 Di-n-octyl phthalate	149		13.017					9
180 Benzo[b]fluoranthene	252		13.632					
181 Benzo[k]fluoranthene	252		13.669					9
182 Benzo[a]pyrene	252		14.119					
186 Indeno[1,2,3-cd]pyrene	276		15.814					9
187 Dibenz(a,h)anthracene	278		15.841					9
188 Benzo[g,h,i]perylene	276		16.231					9

QC Flag Legend

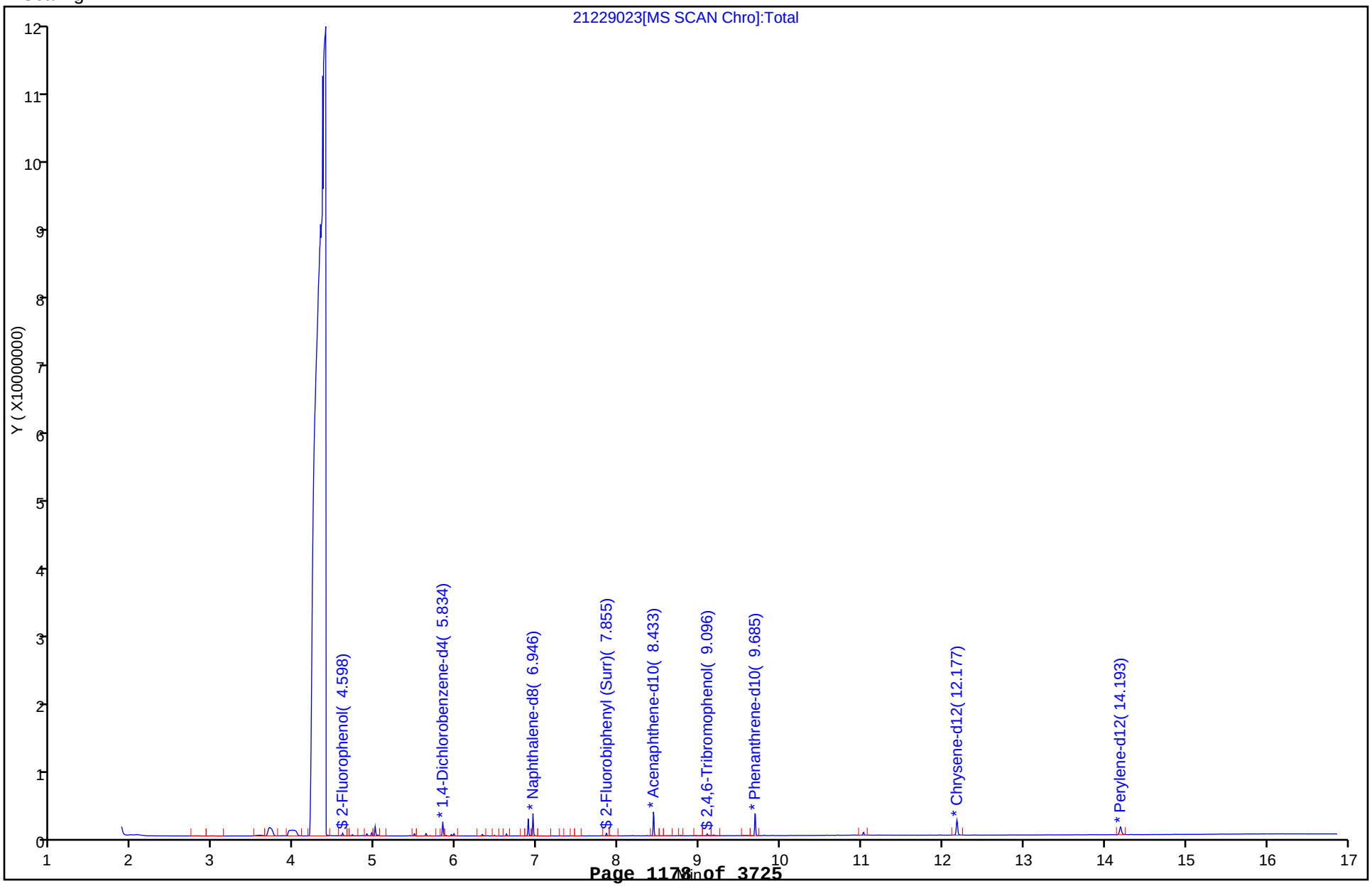
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:46:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229023.D		
Injection Date:	29-Dec-2012 20:46:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-047M-0001-SO | Lab Sample ID: 240-18581-6

Matrix: Solid | Lab File ID: 21229018.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:50

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.68(g) | Date Analyzed: 12/29/2012 18:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	33	U	67	33	33
208-96-8	Acenaphthylene	33	U	67	33	33
120-12-7	Anthracene	33	U	67	33	33
56-55-3	Benzo[a]anthracene	33	U	67	33	33
50-32-8	Benzo[a]pyrene	33	U	67	33	33
205-99-2	Benzo[b]fluoranthene	33	U	67	33	33
191-24-2	Benzo[g,h,i]perylene	33	U	67	33	33
65-85-0	Benzoic acid	3400	U	6700	3400	3400
207-08-9	Benzo[k]fluoranthene	33	U	67	33	33
100-51-6	Benzyl alcohol	270	U	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	270	U	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	33	U	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	270	U	1000	270	96
117-81-7	Bis(2-ethylhexyl) phthalate	270	U	510	270	190
101-55-3	4-Bromophenyl phenyl ether	270	U	510	270	130
85-68-7	Butyl benzyl phthalate	270	U	510	270	100
86-74-8	Carbazole	270	U	510	270	270
106-47-8	4-Chloroaniline	270	U	1500	270	170
59-50-7	4-Chloro-3-methylphenol	270	U	1500	270	210
91-58-7	2-Chloronaphthalene	33	U	510	33	33
95-57-8	2-Chlorophenol	270	U	510	270	270
7005-72-3	4-Chlorophenyl phenyl ether	270	U	510	270	130
218-01-9	Chrysene	33	U	67	33	11
53-70-3	Dibenz(a,h)anthracene	33	U	67	33	33
132-64-9	Dibenzofuran	33	U	510	33	33
95-50-1	1,2-Dichlorobenzene	270	U	510	270	98
541-73-1	1,3-Dichlorobenzene	270	U	510	270	110
106-46-7	1,4-Dichlorobenzene	270	U	510	270	200
91-94-1	3,3'-Dichlorobenzidine	810	U	1000	810	180
120-83-2	2,4-Dichlorophenol	270	U	1500	270	200
84-66-2	Diethyl phthalate	270	U	510	270	160
105-67-9	2,4-Dimethylphenol	810	U	1500	810	200
131-11-3	Dimethyl phthalate	270	U	510	270	170
84-74-2	Di-n-butyl phthalate	270	U	510	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-047M-0001-SO | Lab Sample ID: 240-18581-6

Matrix: Solid | Lab File ID: 21229018.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:50

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.68(g) | Date Analyzed: 12/29/2012 18:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	810	U	1500	810	810
51-28-5	2,4-Dinitrophenol	810	U	3300	810	810
121-14-2	2,4-Dinitrotoluene	270	U	2000	270	270
606-20-2	2,6-Dinitrotoluene	270	U	2000	270	210
117-84-0	Di-n-octyl phthalate	270	U	510	270	270
206-44-0	Fluoranthene	33	U	67	33	33
86-73-7	Fluorene	33	U	67	33	33
118-74-1	Hexachlorobenzene	33	U	67	33	21
87-68-3	Hexachlorobutadiene	270	U	510	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	270	U	510	270	91
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	67	33	33
78-59-1	Isophorone	270	U	510	270	130
91-57-6	2-Methylnaphthalene	34	J D	67	33	33
95-48-7	2-Methylphenol	810	U	2000	810	810
15831-10-4	3 & 4 Methylphenol	810	U	4000	810	200
91-20-3	Naphthalene	33	U	67	33	33
88-74-4	2-Nitroaniline	270	U	2000	270	92
99-09-2	3-Nitroaniline	810	U	2000	810	160
100-01-6	4-Nitroaniline	270	U	2000	270	260
98-95-3	Nitrobenzene	33	U	1000	33	22
88-75-5	2-Nitrophenol	270	U	510	270	270
100-02-7	4-Nitrophenol	810	U	3300	810	810
621-64-7	N-Nitrosodi-n-propylamine	270	U	510	270	270
86-30-6	N-Nitrosodiphenylamine	270	U	510	270	210
87-86-5	Pentachlorophenol	810	U	1500	810	810
85-01-8	Phenanthrene	33	U	67	33	33
108-95-2	Phenol	270	U	510	270	270
129-00-0	Pyrene	33	U	67	33	33
120-82-1	1,2,4-Trichlorobenzene	270	U	510	270	270
95-95-4	2,4,5-Trichlorophenol	270	U	1500	270	250
88-06-2	2,4,6-Trichlorophenol	810	U	1500	810	810

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-047M-0001-SO | Lab Sample ID: 240-18581-6

Matrix: Solid | Lab File ID: 21229018.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:50

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.68(g) | Date Analyzed: 12/29/2012 18:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	48		45-105
367-12-4	2-Fluorophenol (Surr)	67		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	47		35-100
4165-62-2	Phenol-d5 (Surr)	61		40-100
1718-51-0	Terphenyl-d14 (Surr)	59		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	59		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229018.D		
Lims ID:	240-18581-H-6-C	Client ID:	070SB-047M-0001-SO
Inject. Date:	29-Dec-2012 18:49:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	240-0016274-018		
Misc. Info.:	240-18581-H-6-C		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	70582	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m		
Last Update:	31-Dec-2012 12:46:14	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		

First Level Reviewer: gruberj Date: 31-Dec-2012 12:36:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.834	0.0	97	247720	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	100	998754	4.00	
* 3 Acenaphthene-d10	164	8.433	8.438	-0.005	92	623351	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	974212	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	98	948402	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	92	647572	4.00	
$ 7 2-Fluorophenol	112	4.609	4.577	0.032	90	76617	1.01	
$ 8 Phenol-d5	99	5.486	5.480	0.006	96	92027	0.9096	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	90	51548	0.4685	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	97	107135	0.4796	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	77	18629	0.8888	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	98	115192	0.5936	
41 Phenol	94		5.491					9
44 Bis(2-chloroethyl)ether	93		5.587					9
46 2-Chlorophenol	128		5.641					9
47 1,3-Dichlorobenzene	146		5.780					9
48 1,4-Dichlorobenzene	146		5.850					9
49 Benzyl alcohol	108		5.946					9
50 1,2-Dichlorobenzene	146		5.983					9
51 2-Methylphenol	108		6.037					9
52 2,2'-oxybis[1-chloropropane]	45		6.063					
191 3 & 4 Methylphenol	108		6.165					
56 N-Nitrosodi-n-propylamine	70		6.176					
60 Hexachloroethane	117		6.288					9
61 Nitrobenzene	77		6.336					
63 Isophorone	82		6.540					
65 2-Nitrophenol	139		6.614					9
64 2,4-Dimethylphenol	107		6.630					9
69 Benzoic acid	122		6.689					
68 Bis(2-chloroethoxy)methane	93		6.716					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.818					
72 1,2,4-Trichlorobenzene	180		6.893					
73 Naphthalene	128		6.967					
74 4-Chloroaniline	127		7.000					
77 Hexachlorobutadiene	225		7.064					
84 4-Chloro-3-methylphenol	107		7.395					9
85 2-Methylnaphthalene	142	7.556	7.556	0.0	55	8134	0.0508	
88 Hexachlorocyclopentadiene	237		7.684					
90 2,4,6-Trichlorophenol	196		7.780					
91 2,4,5-Trichlorophenol	196		7.812					
98 2-Chloronaphthalene	162		7.968					
100 2-Nitroaniline	65		8.042					
103 Dimethyl phthalate	163		8.182					
105 2,6-Dinitrotoluene	165		8.240					
107 Acenaphthylene	152		8.321					9
108 3-Nitroaniline	138		8.385					
110 Acenaphthene	153		8.465					9
109 2,4-Dinitrophenol	184		8.470					
111 4-Nitrophenol	109		8.502					9
112 2,4-Dinitrotoluene	165		8.577					
114 Dibenzofuran	168		8.609					
119 Diethyl phthalate	149		8.770					9
121 4-Chlorophenyl phenyl ether	204		8.882					
123 4-Nitroaniline	138		8.898					
124 Fluorene	166		8.898					9
126 4,6-Dinitro-2-methylphenol	198		8.920					
130 N-Nitrosodiphenylamine	169		8.978					
137 4-Bromophenyl phenyl ether	248		9.299					
139 Hexachlorobenzene	284		9.358					
141 Pentachlorophenol	266		9.519					
146 Phenanthrene	178		9.711					
147 Anthracene	178		9.754					
149 Carbazole	167		9.877					9
151 Di-n-butyl phthalate	149		10.134					
157 Fluoranthene	202		10.711					
160 Pyrene	202		10.915					
166 Butyl benzyl phthalate	149		11.487					
173 3,3'-Dichlorobenzidine	252		12.118					
171 Bis(2-ethylhexyl) phthalate	149		12.140					
175 Benzo[a]anthracene	228		12.166					9
176 Chrysene	228		12.214					9
178 Di-n-octyl phthalate	149		13.017					
180 Benzo[b]fluoranthene	252		13.632					
181 Benzo[k]fluoranthene	252		13.669					
182 Benzo[a]pyrene	252		14.119					
186 Indeno[1,2,3-cd]pyrene	276		15.814					9
187 Dibenz(a,h)anthracene	278		15.841					9
188 Benzo[g,h,i]perylene	276		16.231					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:46:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229018.D		
Injection Date:	29-Dec-2012 18:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-047M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	18
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

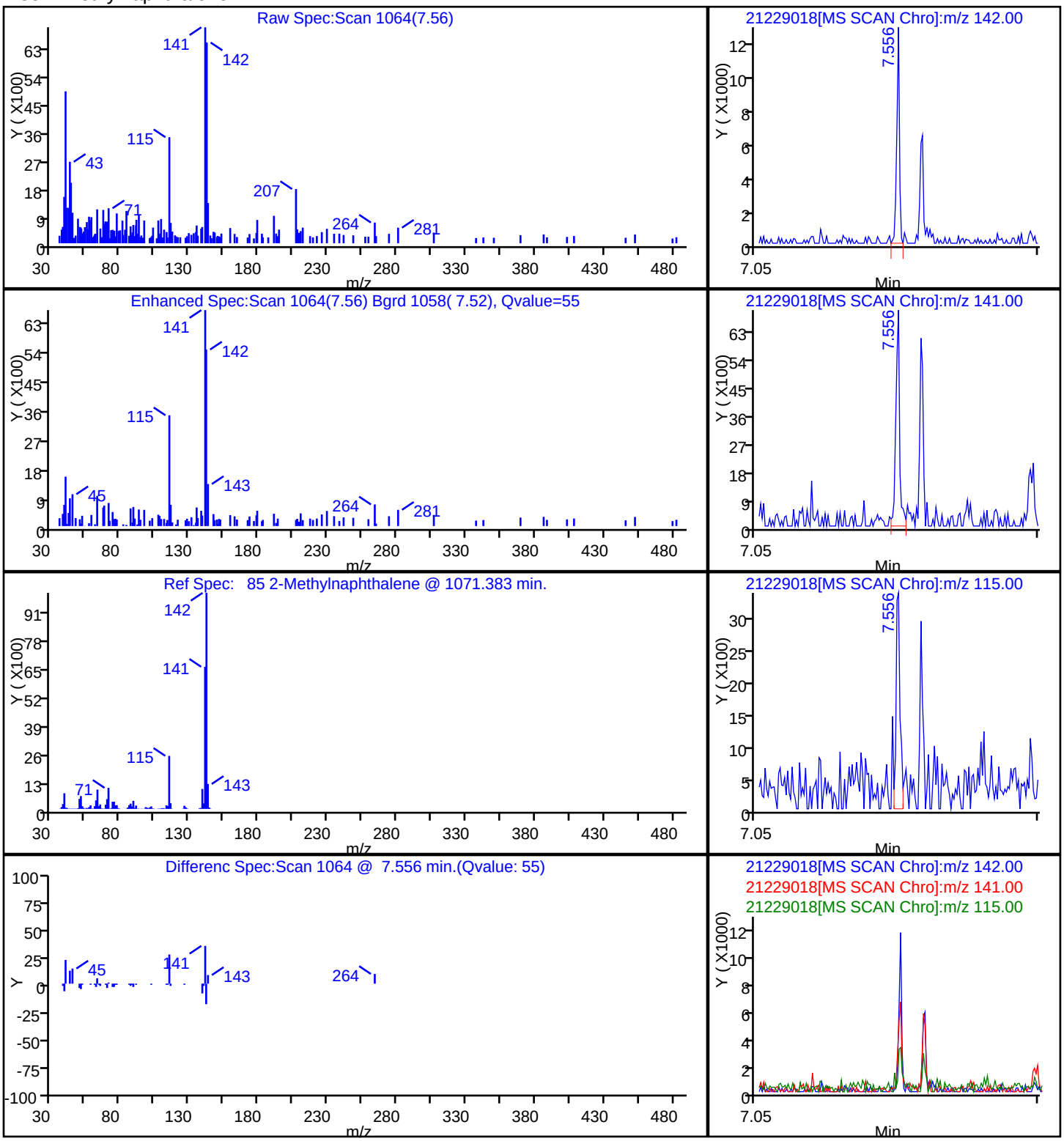
Report Date: 31-Dec-2012 12:46:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229018.D

Injection Date:	29-Dec-2012 18:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-047M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	18
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0056-0001-SO | Lab Sample ID: 240-18581-7

Matrix: Solid | Lab File ID: 21229009.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 13:04

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.77(g) | Date Analyzed: 12/29/2012 15:19

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 12.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.8	U	7.7	3.8	3.8
208-96-8	Acenaphthylene	3.8	U	7.7	3.8	3.8
120-12-7	Anthracene	3.8	U	7.7	3.8	3.8
56-55-3	Benzo[a]anthracene	3.8	U	7.7	3.8	3.8
50-32-8	Benzo[a]pyrene	3.8	U	7.7	3.8	3.8
205-99-2	Benzo[b]fluoranthene	3.8	U	7.7	3.8	3.8
191-24-2	Benzo[g,h,i]perylene	3.8	U	7.7	3.8	3.8
207-08-9	Benzo[k]fluoranthene	3.8	U	7.7	3.8	3.8
218-01-9	Chrysene	3.8	U	7.7	3.8	1.3
53-70-3	Dibenz(a,h)anthracene	3.8	U	7.7	3.8	3.8
206-44-0	Fluoranthene	3.8	U	7.7	3.8	3.8
86-73-7	Fluorene	3.8	U	7.7	3.8	3.8
193-39-5	Indeno[1,2,3-cd]pyrene	3.8	U	7.7	3.8	3.8
91-20-3	Naphthalene	3.8	U	7.7	3.8	3.8
85-01-8	Phenanthrene	3.8	U	7.7	3.8	3.8
129-00-0	Pyrene	3.8	U	7.7	3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	56		45-105
367-12-4	2-Fluorophenol (Surr)	74		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	57		35-100
4165-62-2	Phenol-d5 (Surr)	73		40-100
1718-51-0	Terphenyl-d14 (Surr)	73		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	56		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229009.D		
Lims ID:	240-18581-H-7-D	Client ID:	072SB-0056-0001-SO
Inject. Date:	29-Dec-2012 15:19:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016274-009		
Misc. Info.:	240-18581-H-7-D		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	70582	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m		
Last Update:	31-Dec-2012 12:46:14	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		

First Level Reviewer: gruberj Date: 31-Dec-2012 11:20:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.834	0.0	96	200264	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	801051	4.00	
* 3 Acenaphthene-d10	164	8.433	8.438	-0.005	93	485720	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	791251	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	93	768314	4.00	
* 6 Perylene-d12	264	14.194	14.199	-0.005	92	545403	4.00	
$ 7 2-Fluorophenol	112	4.582	4.577	0.005	93	681234	11.1	
$ 8 Phenol-d5	99	5.481	5.480	0.001	97	894423	10.9	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	93	501005	5.68	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	99	980265	5.63	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	90	138348	8.47	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	99	1148148	7.30	
73 Naphthalene	128		6.967					9
107 Acenaphthylene	152		8.321					
110 Acenaphthene	153		8.465					
124 Fluorene	166		8.898					
146 Phenanthrene	178		9.711					9
147 Anthracene	178		9.754					9
157 Fluoranthene	202		10.711					
160 Pyrene	202		10.915					9
175 Benzo[a]anthracene	228		12.166					9
176 Chrysene	228		12.214					9
180 Benzo[b]fluoranthene	252		13.632					9
181 Benzo[k]fluoranthene	252		13.669					9
182 Benzo[a]pyrene	252		14.119					
186 Indeno[1,2,3-cd]pyrene	276		15.814					
187 Dibenz(a,h)anthracene	278		15.841					
188 Benzo[g,h,i]perylene	276		16.231					

QC Flag Legend

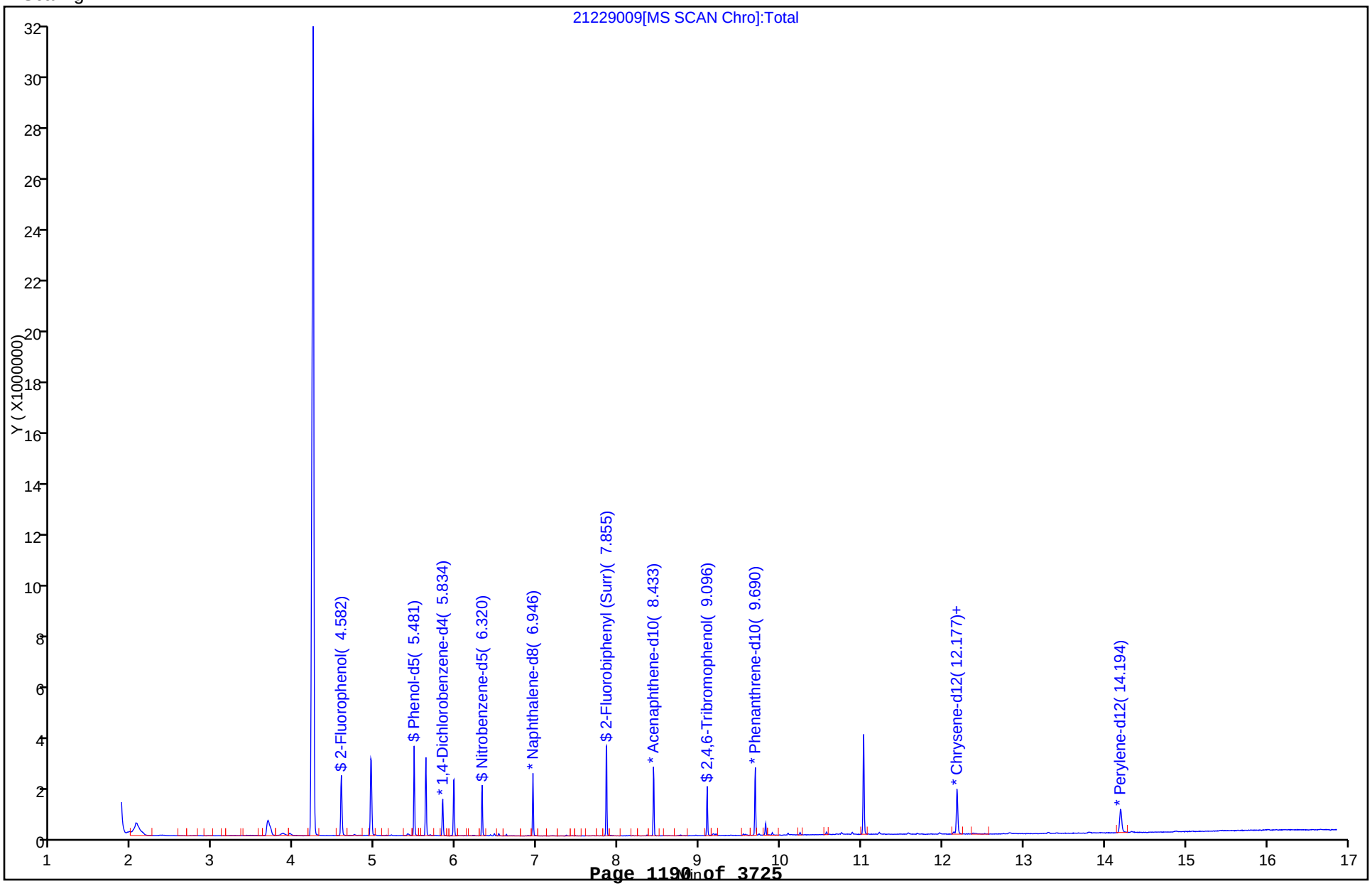
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:46:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229009.D		
Injection Date:	29-Dec-2012 15:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	072SB-0056-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	9
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0057-0001-SO | Lab Sample ID: 240-18581-8

Matrix: Solid | Lab File ID: 21229011.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 13:25

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.97(g) | Date Analyzed: 12/29/2012 16:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.8	U	7.7	3.8	3.8
208-96-8	Acenaphthylene	3.8	U	7.7	3.8	3.8
120-12-7	Anthracene	3.8	U	7.7	3.8	3.8
56-55-3	Benzo[a]anthracene	3.8	U	7.7	3.8	3.8
50-32-8	Benzo[a]pyrene	3.8	U	7.7	3.8	3.8
205-99-2	Benzo[b]fluoranthene	3.8	U	7.7	3.8	3.8
191-24-2	Benzo[g,h,i]perylene	3.8	U	7.7	3.8	3.8
207-08-9	Benzo[k]fluoranthene	3.8	U	7.7	3.8	3.8
218-01-9	Chrysene	3.8	U	7.7	3.8	1.3
53-70-3	Dibenz(a,h)anthracene	3.8	U	7.7	3.8	3.8
206-44-0	Fluoranthene	3.8	U	7.7	3.8	3.8
86-73-7	Fluorene	3.8	U	7.7	3.8	3.8
193-39-5	Indeno[1,2,3-cd]pyrene	3.8	U	7.7	3.8	3.8
91-20-3	Naphthalene	3.8	U	7.7	3.8	3.8
85-01-8	Phenanthrene	3.8	U	7.7	3.8	3.8
129-00-0	Pyrene	3.8	U	7.7	3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	56		45-105
367-12-4	2-Fluorophenol (Surr)	67		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	55		35-100
4165-62-2	Phenol-d5 (Surr)	69		40-100
1718-51-0	Terphenyl-d14 (Surr)	73		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	59		35-125

Report Date: 31-Dec-2012 12:46:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229011.D
Lims ID: 240-18581-H-8-D Client ID: 072SB-0057-0001-SO
Inject. Date: 29-Dec-2012 16:05:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016274-011
Misc. Info.: 240-18581-H-8-D
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 70582 Lims Sample ID: 11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:46:14 Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj Date: 31-Dec-2012 11:20:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.833	5.834	-0.001	96	208377	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	813894	4.00	
* 3 Acenaphthene-d10	164	8.433	8.438	-0.005	92	486598	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	802070	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	93	778540	4.00	
* 6 Perylene-d12	264	14.193	14.199	-0.006	96	546066	4.00	
$ 7 2-Fluorophenol	112	4.582	4.577	0.005	94	640166	10.0	
$ 8 Phenol-d5	99	5.480	5.480	0.0	97	877321	10.3	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	93	490291	5.47	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	99	970311	5.56	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	87	144568	8.84	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	99	1159778	7.28	
73 Naphthalene	128		6.967					9
107 Acenaphthylene	152		8.321					
110 Acenaphthene	153		8.465					
124 Fluorene	166		8.898					
146 Phenanthrene	178		9.711					9
147 Anthracene	178		9.754					9
157 Fluoranthene	202		10.711					9
160 Pyrene	202		10.915					9
175 Benzo[a]anthracene	228		12.166					9
176 Chrysene	228		12.214					9
180 Benzo[b]fluoranthene	252		13.632					9
181 Benzo[k]fluoranthene	252		13.669					9
182 Benzo[a]pyrene	252		14.119					
186 Indeno[1,2,3-cd]pyrene	276		15.814					9
187 Dibenz(a,h)anthracene	278		15.841					
188 Benzo[g,h,i]perylene	276		16.231					9

QC Flag Legend

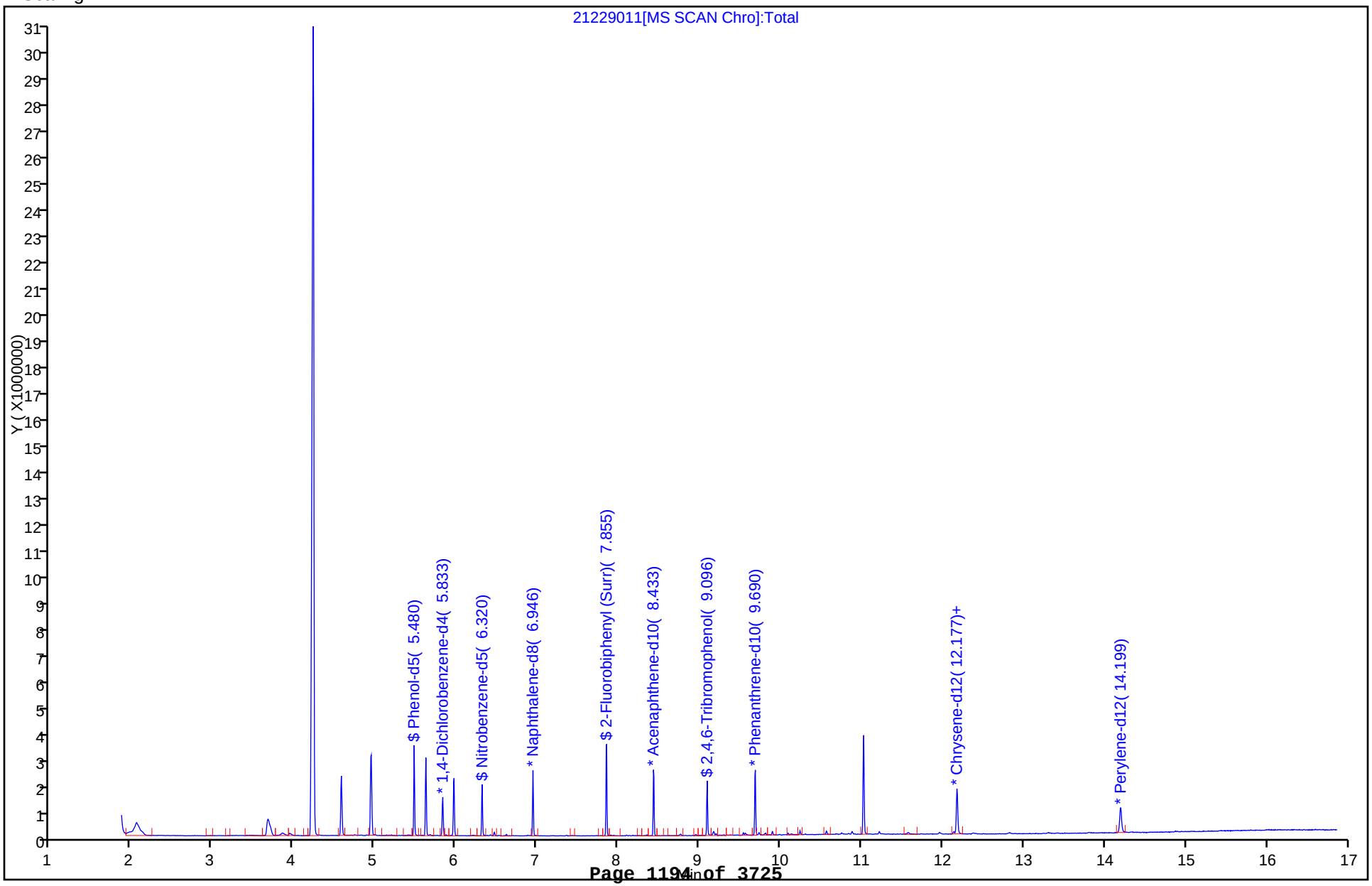
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:46:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229011.D		
Injection Date:	29-Dec-2012 16:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	072SB-0057-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0058-0001-SO | Lab Sample ID: 240-18581-9

Matrix: Solid | Lab File ID: 21229010.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 13:35

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/29/2012 15:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.7	U	7.5	3.7	3.7
208-96-8	Acenaphthylene	3.7	U	7.5	3.7	3.7
120-12-7	Anthracene	3.7	U	7.5	3.7	3.7
56-55-3	Benzo[a]anthracene	3.7	U	7.5	3.7	3.7
50-32-8	Benzo[a]pyrene	3.7	U	7.5	3.7	3.7
205-99-2	Benzo[b]fluoranthene	3.7	U	7.5	3.7	3.7
191-24-2	Benzo[g,h,i]perylene	3.7	U	7.5	3.7	3.7
207-08-9	Benzo[k]fluoranthene	3.7	U	7.5	3.7	3.7
218-01-9	Chrysene	3.7	U	7.5	3.7	1.2
53-70-3	Dibenz(a,h)anthracene	3.7	U	7.5	3.7	3.7
206-44-0	Fluoranthene	3.7	U	7.5	3.7	3.7
86-73-7	Fluorene	3.7	U	7.5	3.7	3.7
193-39-5	Indeno[1,2,3-cd]pyrene	3.7	U	7.5	3.7	3.7
91-20-3	Naphthalene	3.7	U	7.5	3.7	3.7
85-01-8	Phenanthrene	3.7	U	7.5	3.7	3.7
129-00-0	Pyrene	3.7	U	7.5	3.7	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	49		45-105
367-12-4	2-Fluorophenol (Surr)	65		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	51		35-100
4165-62-2	Phenol-d5 (Surr)	64		40-100
1718-51-0	Terphenyl-d14 (Surr)	68		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	54		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229010.D		
Lims ID:	240-18581-H-9-D	Client ID:	072SB-0058-0001-SO
Inject. Date:	29-Dec-2012 15:42:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016274-010		
Misc. Info.:	240-18581-H-9-D		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	70582	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m		
Last Update:	31-Dec-2012 12:46:14	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		

First Level Reviewer: gruberj Date: 31-Dec-2012 11:20:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.834	0.0	96	201109	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	100	812296	4.00	
* 3 Acenaphthene-d10	164	8.438	8.438	0.0	92	499999	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	801975	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	97	790621	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	96	559265	4.00	
$ 7 2-Fluorophenol	112	4.582	4.577	0.005	94	600751	9.74	
$ 8 Phenol-d5	99	5.481	5.480	0.001	91	788780	9.60	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	92	457216	5.11	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	99	884100	4.93	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	86	135823	8.08	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	99	1106570	6.84	
73 Naphthalene	128		6.967					9
107 Acenaphthylene	152		8.321					
110 Acenaphthene	153		8.465					
124 Fluorene	166		8.898					
146 Phenanthrene	178		9.711					9
147 Anthracene	178		9.754					9
157 Fluoranthene	202		10.711					9
160 Pyrene	202		10.915					
175 Benzo[a]anthracene	228		12.166					9
176 Chrysene	228		12.214					9
180 Benzo[b]fluoranthene	252		13.632					9
181 Benzo[k]fluoranthene	252		13.669					9
182 Benzo[a]pyrene	252		14.119					9
186 Indeno[1,2,3-cd]pyrene	276		15.814					9
187 Dibenz(a,h)anthracene	278		15.841					
188 Benzo[g,h,i]perylene	276		16.231					9

QC Flag Legend

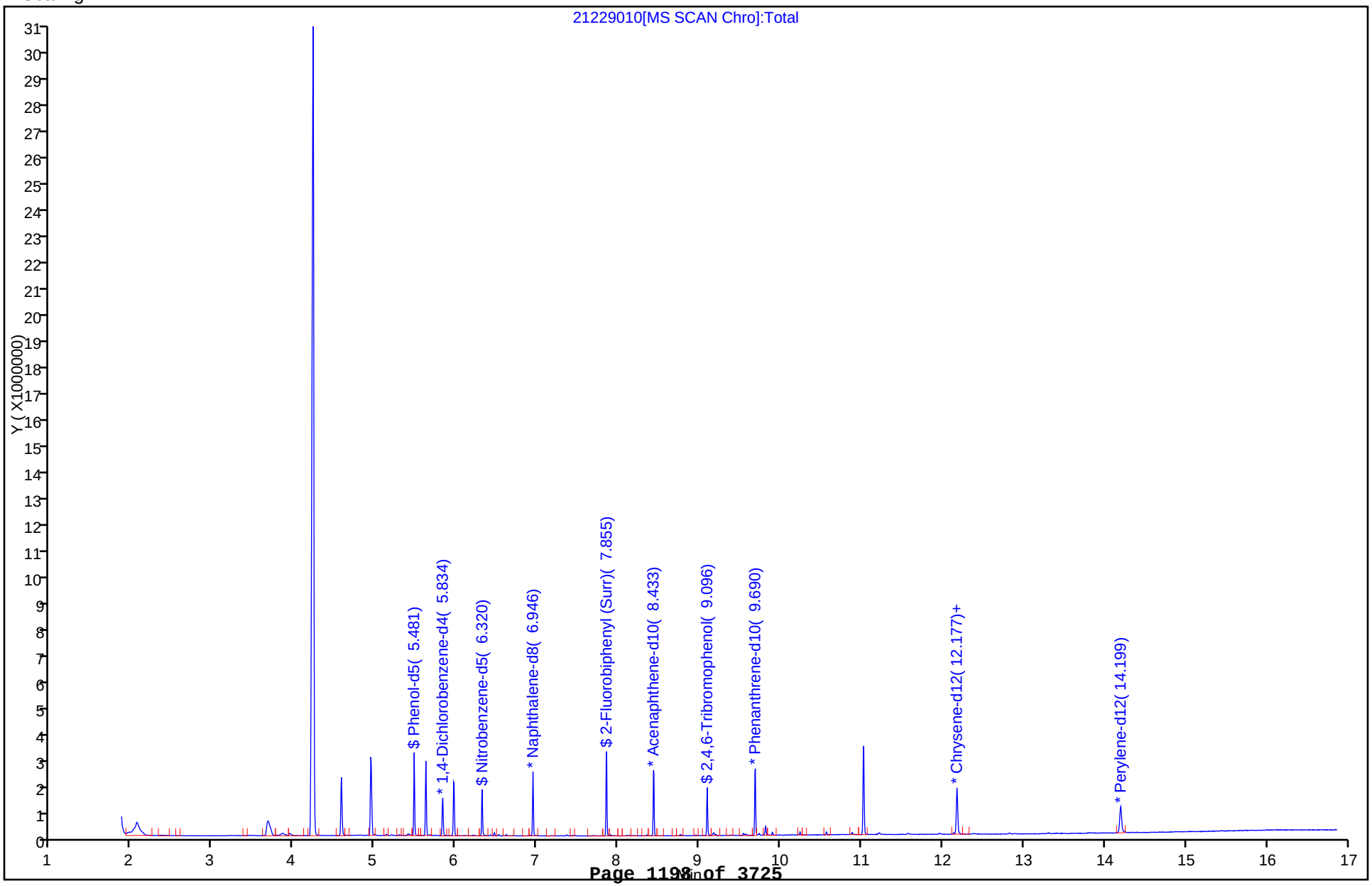
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:46:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229010.D		
Injection Date:	29-Dec-2012 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	072SB-0058-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0059-0001-SO | Lab Sample ID: 240-18581-10

Matrix: Solid | Lab File ID: 21229008.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 13:37

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.31(g) | Date Analyzed: 12/29/2012 14:56

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.7	U	7.4	3.7	3.7
208-96-8	Acenaphthylene	3.7	U	7.4	3.7	3.7
120-12-7	Anthracene	3.7	U	7.4	3.7	3.7
56-55-3	Benzo[a]anthracene	3.7	U	7.4	3.7	3.7
50-32-8	Benzo[a]pyrene	3.7	U	7.4	3.7	3.7
205-99-2	Benzo[b]fluoranthene	3.7	U	7.4	3.7	3.7
191-24-2	Benzo[g,h,i]perylene	3.7	U	7.4	3.7	3.7
207-08-9	Benzo[k]fluoranthene	3.7	U	7.4	3.7	3.7
218-01-9	Chrysene	3.7	U	7.4	3.7	1.2
53-70-3	Dibenz(a,h)anthracene	3.7	U	7.4	3.7	3.7
206-44-0	Fluoranthene	3.7	U	7.4	3.7	3.7
86-73-7	Fluorene	3.7	U	7.4	3.7	3.7
193-39-5	Indeno[1,2,3-cd]pyrene	3.7	U	7.4	3.7	3.7
91-20-3	Naphthalene	3.7	U	7.4	3.7	3.7
85-01-8	Phenanthrene	3.7	U	7.4	3.7	3.7
129-00-0	Pyrene	3.7	U	7.4	3.7	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	54		45-105
367-12-4	2-Fluorophenol (Surr)	70		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	54		35-100
4165-62-2	Phenol-d5 (Surr)	69		40-100
1718-51-0	Terphenyl-d14 (Surr)	67		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	53		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229008.D		
Lims ID:	240-18581-H-10-D	Client ID:	072SB-0059-0001-SO
Inject. Date:	29-Dec-2012 14:56:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016274-008		
Misc. Info.:	240-18581-H-10-D		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	70582	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m		
Last Update:	31-Dec-2012 12:46:14	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		

First Level Reviewer: gruberj Date: 31-Dec-2012 11:20:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.833	5.834	-0.001	96	196778	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	100	799197	4.00	
* 3 Acenaphthene-d10	164	8.433	8.438	-0.005	93	480448	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	786009	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	97	769039	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	91	519544	4.00	
$ 7 2-Fluorophenol	112	4.582	4.577	0.005	94	632760	10.5	
$ 8 Phenol-d5	99	5.480	5.480	0.0	91	834728	10.4	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	93	479790	5.45	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	99	923200	5.36	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	87	128890	7.98	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	98	1055039	6.71	
73 Naphthalene	128		6.967					9
107 Acenaphthylene	152		8.321					
110 Acenaphthene	153		8.465					9
124 Fluorene	166		8.898					
146 Phenanthrene	178		9.711					9
147 Anthracene	178		9.754					9
157 Fluoranthene	202		10.711					9
160 Pyrene	202		10.915					9
175 Benzo[a]anthracene	228		12.166					9
176 Chrysene	228		12.214					9
180 Benzo[b]fluoranthene	252		13.632					9
181 Benzo[k]fluoranthene	252		13.669					9
182 Benzo[a]pyrene	252		14.119					
186 Indeno[1,2,3-cd]pyrene	276		15.814					
187 Dibenz(a,h)anthracene	278		15.841					
188 Benzo[g,h,i]perylene	276		16.231					9

QC Flag Legend

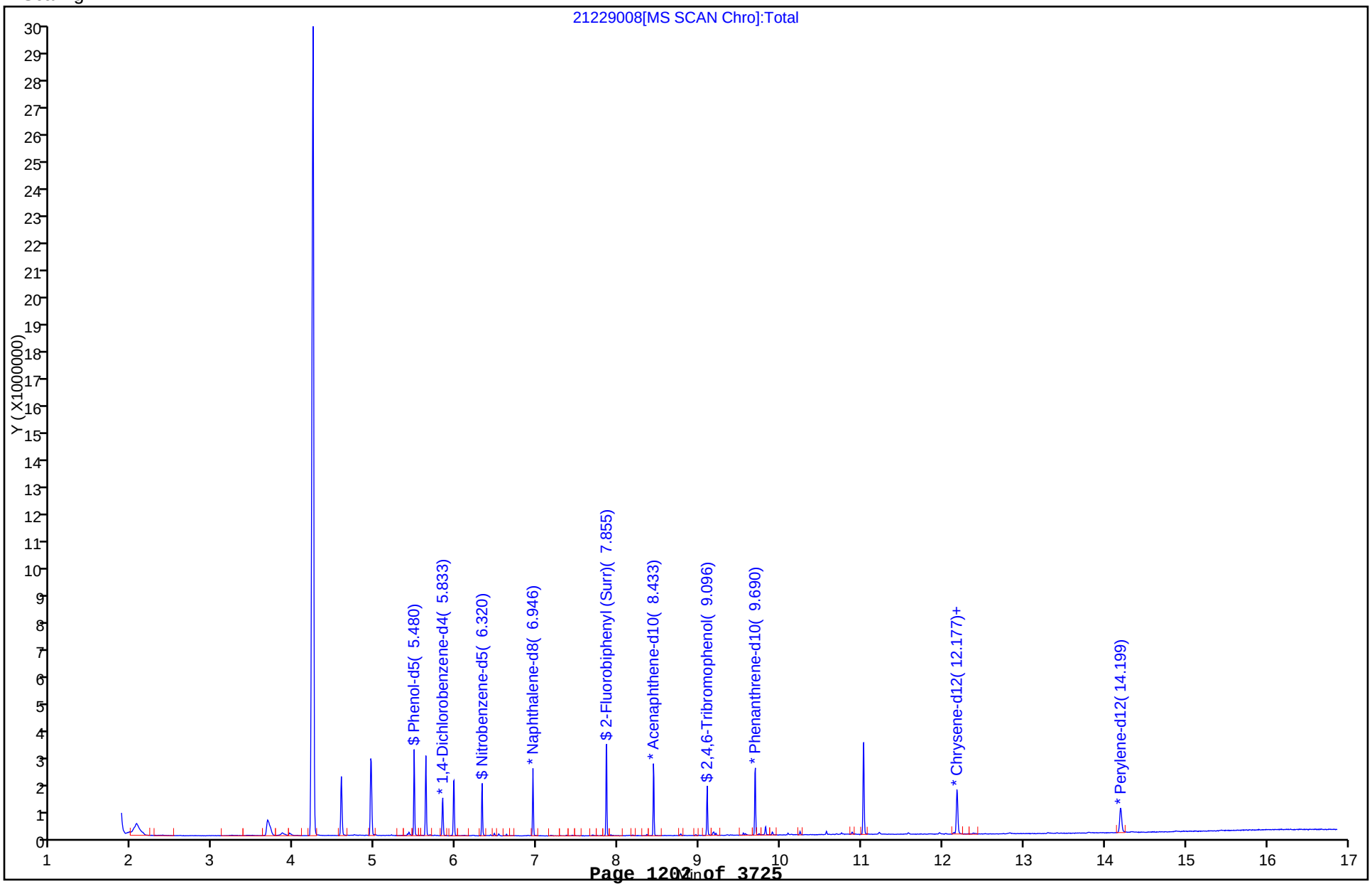
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:46:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229008.D		
Injection Date:	29-Dec-2012 14:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	072SB-0059-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0060-0001-SO | Lab Sample ID: 240-18581-11

Matrix: Solid | Lab File ID: 21229007.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 13:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.64(g) | Date Analyzed: 12/29/2012 14:32

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.7	U	7.5	3.7	3.7
208-96-8	Acenaphthylene	3.7	U	7.5	3.7	3.7
120-12-7	Anthracene	3.7	U	7.5	3.7	3.7
56-55-3	Benzo[a]anthracene	3.7	U	7.5	3.7	3.7
50-32-8	Benzo[a]pyrene	3.7	U	7.5	3.7	3.7
205-99-2	Benzo[b]fluoranthene	3.7	U	7.5	3.7	3.7
191-24-2	Benzo[g,h,i]perylene	3.7	U	7.5	3.7	3.7
207-08-9	Benzo[k]fluoranthene	3.7	U	7.5	3.7	3.7
218-01-9	Chrysene	3.7	U	7.5	3.7	1.2
53-70-3	Dibenz(a,h)anthracene	3.7	U	7.5	3.7	3.7
206-44-0	Fluoranthene	3.7	U	7.5	3.7	3.7
86-73-7	Fluorene	3.7	U	7.5	3.7	3.7
193-39-5	Indeno[1,2,3-cd]pyrene	3.7	U	7.5	3.7	3.7
91-20-3	Naphthalene	3.7	U	7.5	3.7	3.7
85-01-8	Phenanthrene	3.7	U	7.5	3.7	3.7
129-00-0	Pyrene	3.7	U	7.5	3.7	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	59		45-105
367-12-4	2-Fluorophenol (Surr)	75		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	59		35-100
4165-62-2	Phenol-d5 (Surr)	74		40-100
1718-51-0	Terphenyl-d14 (Surr)	76		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	59		35-125

Report Date: 31-Dec-2012 12:46:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229007.D
Lims ID: 240-18581-H-11-D Client ID: 072SB-0060-0001-SO
Inject. Date: 29-Dec-2012 14:32:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016274-007
Misc. Info.: 240-18581-H-11-D
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 70582 Lims Sample ID: 7
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:46:14 Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj Date: 31-Dec-2012 11:19:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.834	0.0	97	197281	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	774935	4.00	
* 3 Acenaphthene-d10	164	8.433	8.438	-0.005	92	471478	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	99	751640	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	95	751984	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	92	528289	4.00	
$ 7 2-Fluorophenol	112	4.582	4.577	0.005	93	676369	11.2	
$ 8 Phenol-d5	99	5.481	5.480	0.001	91	893193	11.1	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	94	499877	5.86	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	99	994613	5.89	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	88	139290	8.79	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	99	1164708	7.57	
73 Naphthalene	128		6.967					9
107 Acenaphthylene	152		8.321					
110 Acenaphthene	153		8.465					
124 Fluorene	166		8.898					
146 Phenanthrene	178		9.711					9
147 Anthracene	178		9.754					9
157 Fluoranthene	202		10.711					9
160 Pyrene	202		10.915					9
175 Benzo[a]anthracene	228		12.166					9
176 Chrysene	228		12.214					9
180 Benzo[b]fluoranthene	252		13.632					9
181 Benzo[k]fluoranthene	252		13.669					9
182 Benzo[a]pyrene	252		14.119					9
186 Indeno[1,2,3-cd]pyrene	276		15.814					
187 Dibenz(a,h)anthracene	278		15.841					
188 Benzo[g,h,i]perylene	276		16.231					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

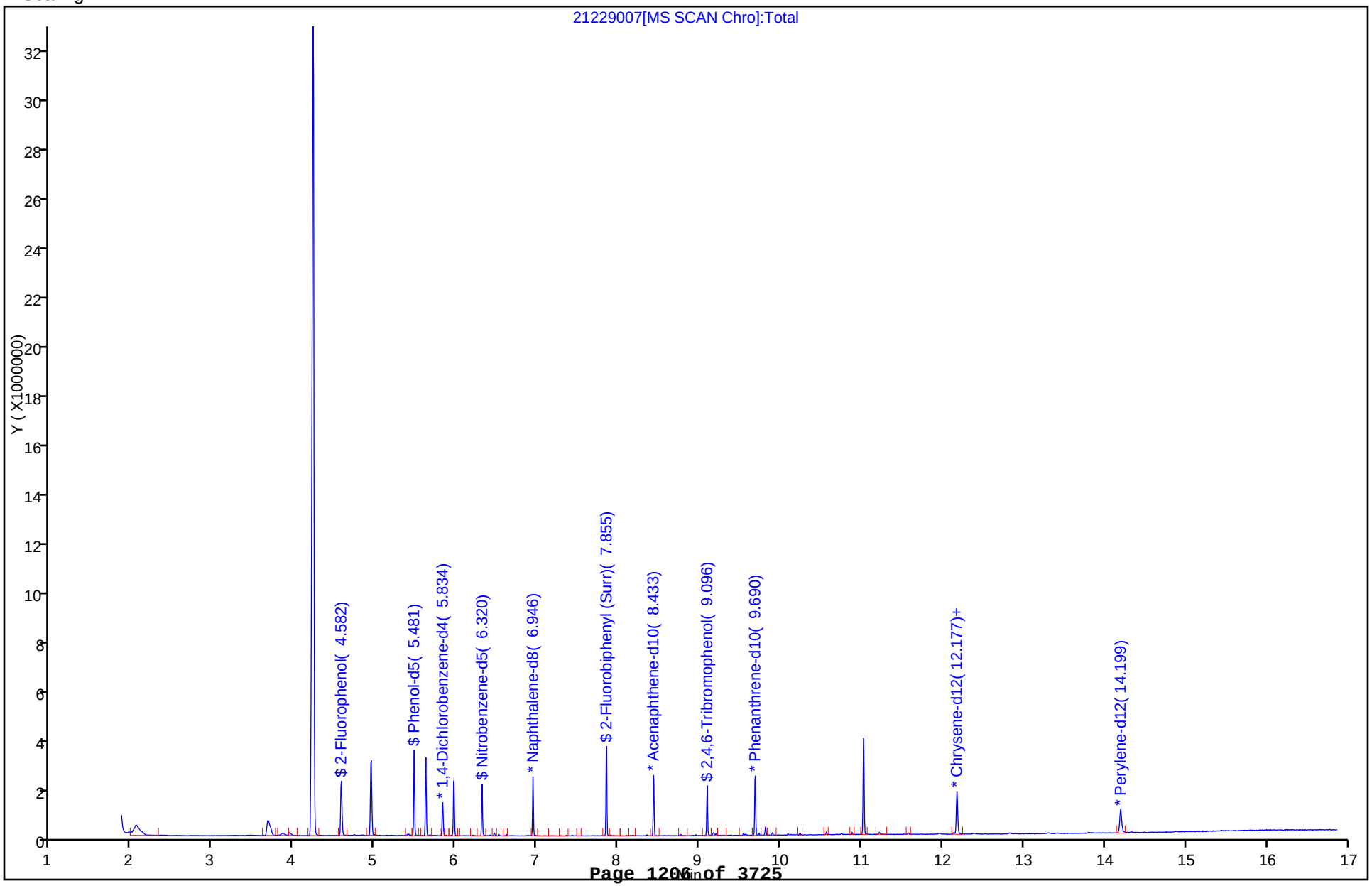
Report Date: 31-Dec-2012 12:46:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229007.D

Injection Date:	29-Dec-2012 14:32:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	072SB-0060-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	7
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0070-0001-SO | Lab Sample ID: 240-18581-13

Matrix: Solid | Lab File ID: 21229006.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 14:20

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.52(g) | Date Analyzed: 12/29/2012 14:09

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.8	U	7.6	3.8	3.8
208-96-8	Acenaphthylene	3.8	U	7.6	3.8	3.8
120-12-7	Anthracene	3.8	U	7.6	3.8	3.8
56-55-3	Benzo[a]anthracene	3.8	U	7.6	3.8	3.8
50-32-8	Benzo[a]pyrene	3.8	U	7.6	3.8	3.8
205-99-2	Benzo[b]fluoranthene	3.8	U	7.6	3.8	3.8
191-24-2	Benzo[g,h,i]perylene	3.8	U	7.6	3.8	3.8
207-08-9	Benzo[k]fluoranthene	3.8	U	7.6	3.8	3.8
218-01-9	Chrysene	3.8	U	7.6	3.8	1.3
53-70-3	Dibenz(a,h)anthracene	3.8	U	7.6	3.8	3.8
206-44-0	Fluoranthene	3.8	U	7.6	3.8	3.8
86-73-7	Fluorene	3.8	U	7.6	3.8	3.8
193-39-5	Indeno[1,2,3-cd]pyrene	3.8	U	7.6	3.8	3.8
91-20-3	Naphthalene	3.8	U	7.6	3.8	3.8
85-01-8	Phenanthrene	18		7.6	3.8	3.8
129-00-0	Pyrene	3.8	U	7.6	3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	56		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	56		35-100
4165-62-2	Phenol-d5 (Surr)	70		40-100
1718-51-0	Terphenyl-d14 (Surr)	68		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	61		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229006.D		
Lims ID:	240-18581-H-13-D	Client ID:	072SB-0070-0001-SO
Inject. Date:	29-Dec-2012 14:09:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016274-006		
Misc. Info.:	240-18581-H-13-D		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	70582	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m		
Last Update:	31-Dec-2012 12:46:14	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		

First Level Reviewer: gruberj Date: 31-Dec-2012 11:19:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.834	0.0	96	197241	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	100	800123	4.00	
* 3 Acenaphthene-d10	164	8.438	8.438	0.0	91	477248	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	769141	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	98	795436	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	93	560571	4.00	
$ 7 2-Fluorophenol	112	4.582	4.577	0.005	93	650899	10.8	
$ 8 Phenol-d5	99	5.481	5.480	0.001	97	848995	10.5	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	92	495407	5.62	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	99	952678	5.57	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	87	147132	9.17	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	99	1104421	6.79	
73 Naphthalene	128		6.967					9
107 Acenaphthylene	152		8.321					9
110 Acenaphthene	153		8.465					
124 Fluorene	166		8.898					9
146 Phenanthrene	178	9.711	9.711	0.0	61	48520	0.2350	
147 Anthracene	178		9.754					
157 Fluoranthene	202		10.711					
160 Pyrene	202		10.915					9
175 Benzo[a]anthracene	228		12.166					9
176 Chrysene	228		12.214					9
180 Benzo[b]fluoranthene	252		13.632					
181 Benzo[k]fluoranthene	252		13.669					
182 Benzo[a]pyrene	252		14.119					
186 Indeno[1,2,3-cd]pyrene	276		15.814					9
187 Dibenz(a,h)anthracene	278		15.841					
188 Benzo[g,h,i]perylene	276		16.231					9

QC Flag Legend

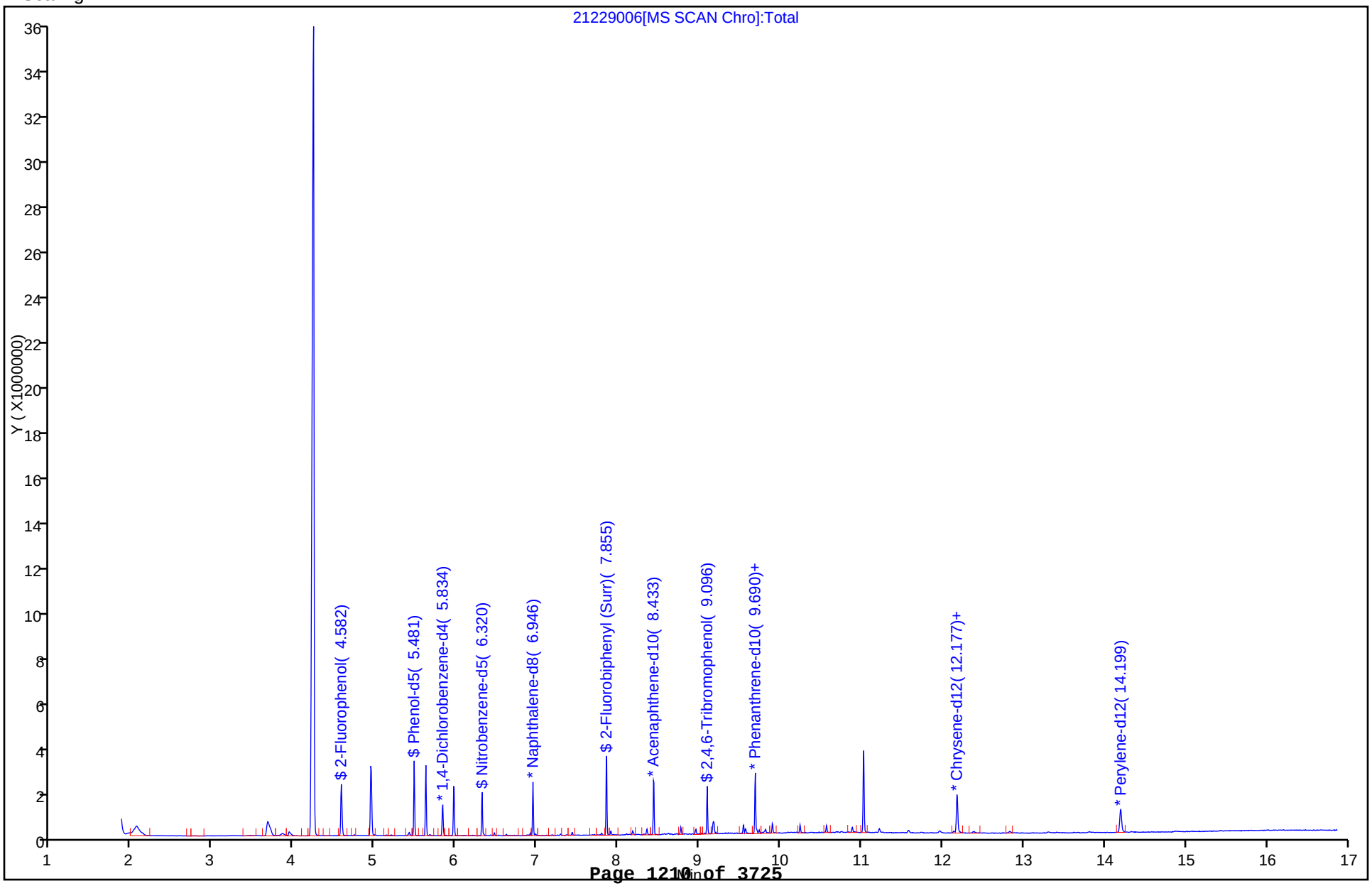
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229006.D		
Injection Date:	29-Dec-2012 14:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	072SB-0070-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



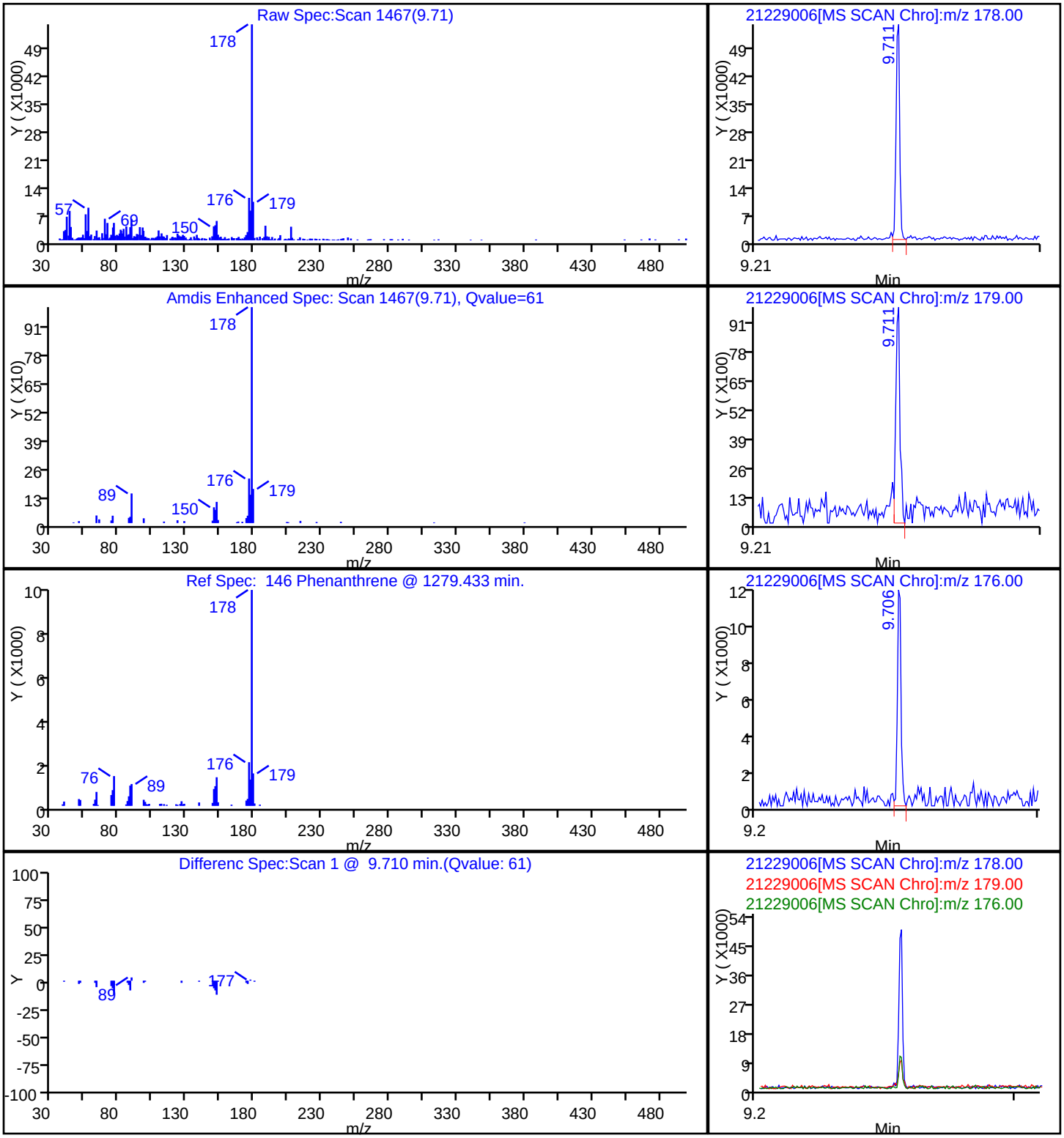
Report Date: 31-Dec-2012 12:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229006.D

Injection Date:	29-Dec-2012 14:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	072SB-0070-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0071-0001-SO | Lab Sample ID: 240-18581-14

Matrix: Solid | Lab File ID: 21228017.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 14:40

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.91(g) | Date Analyzed: 12/28/2012 16:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 12.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.8	U	7.6	3.8	3.8
208-96-8	Acenaphthylene	3.8	U	7.6	3.8	3.8
120-12-7	Anthracene	3.8	U	7.6	3.8	3.8
56-55-3	Benzo[a]anthracene	3.8	U	7.6	3.8	3.8
50-32-8	Benzo[a]pyrene	3.8	U	7.6	3.8	3.8
205-99-2	Benzo[b]fluoranthene	3.8	U	7.6	3.8	3.8
191-24-2	Benzo[g,h,i]perylene	3.8	U	7.6	3.8	3.8
207-08-9	Benzo[k]fluoranthene	3.8	U	7.6	3.8	3.8
218-01-9	Chrysene	3.8	U	7.6	3.8	1.3
53-70-3	Dibenz(a,h)anthracene	3.8	U	7.6	3.8	3.8
206-44-0	Fluoranthene	3.8	U	7.6	3.8	3.8
86-73-7	Fluorene	3.8	U	7.6	3.8	3.8
193-39-5	Indeno[1,2,3-cd]pyrene	3.8	U	7.6	3.8	3.8
91-20-3	Naphthalene	3.8	U	7.6	3.8	3.8
85-01-8	Phenanthrene	3.8	U	7.6	3.8	3.8
129-00-0	Pyrene	3.8	U	7.6	3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	50		45-105
367-12-4	2-Fluorophenol (Surr)	66		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	53		35-100
4165-62-2	Phenol-d5 (Surr)	67		40-100
1718-51-0	Terphenyl-d14 (Surr)	66		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	52		35-125

Report Date: 29-Dec-2012 12:38:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228017.D		
Lims ID:	240-18581-H-14-D	Client ID:	072SB-0071-0001-SO
Inject. Date:	28-Dec-2012 16:50:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016244-017		
Misc. Info.:	240-18581-H-14-D		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	70417	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\8270_hp7.m		
Last Update:	29-Dec-2012 12:38:31	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK027		

First Level Reviewer: gruberj Date: 29-Dec-2012 12:36:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.841	5.841	0.0	97	240267	4.00	
* 2 Naphthalene-d8	136	6.959	6.959	0.0	100	944406	4.00	
* 3 Acenaphthene-d10	164	8.451	8.451	0.0	93	563149	4.00	
* 4 Phenanthrene-d10	188	9.702	9.703	0.0	98	882385	4.00	
* 5 Chrysene-d12	240	12.200	12.200	0.0	94	924872	4.00	
* 6 Perylene-d12	264	14.227	14.227	0.0	92	773489	4.00	
$ 7 2-Fluorophenol	112	4.584	4.573	0.011	94	732617	9.94	
$ 8 Phenol-d5	99	5.493	5.488	0.005	97	979192	9.98	
$ 9 Nitrobenzene-d5	82	6.327	6.333	-0.006	94	547256	5.26	
$ 10 2-Fluorobiphenyl (Surr)	172	7.868	7.868	0.0	100	1004721	4.98	
$ 11 2,4,6-Tribromophenol	330	9.114	9.114	0.0	94	147943	7.81	
$ 12 Terphenyl-d14	244	11.045	11.045	0.0	99	1243929	6.57	
73 Naphthalene	128		6.980					9
107 Acenaphthylene	152		8.333					
110 Acenaphthene	153		8.478					
124 Fluorene	166		8.911					
146 Phenanthrene	178		9.724					9
147 Anthracene	178		9.772					9
157 Fluoranthene	202		10.729					9
160 Pyrene	202		10.933					
175 Benzo[a]anthracene	228		12.195					9
176 Chrysene	228		12.238					9
180 Benzo[b]fluoranthene	252		13.660					
181 Benzo[k]fluoranthene	252		13.703					
182 Benzo[a]pyrene	252		14.147					
186 Indeno[1,2,3-cd]pyrene	276		15.853					9
187 Dibenz(a,h)anthracene	278		15.880					
188 Benzo[g,h,i]perylene	276		16.281					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

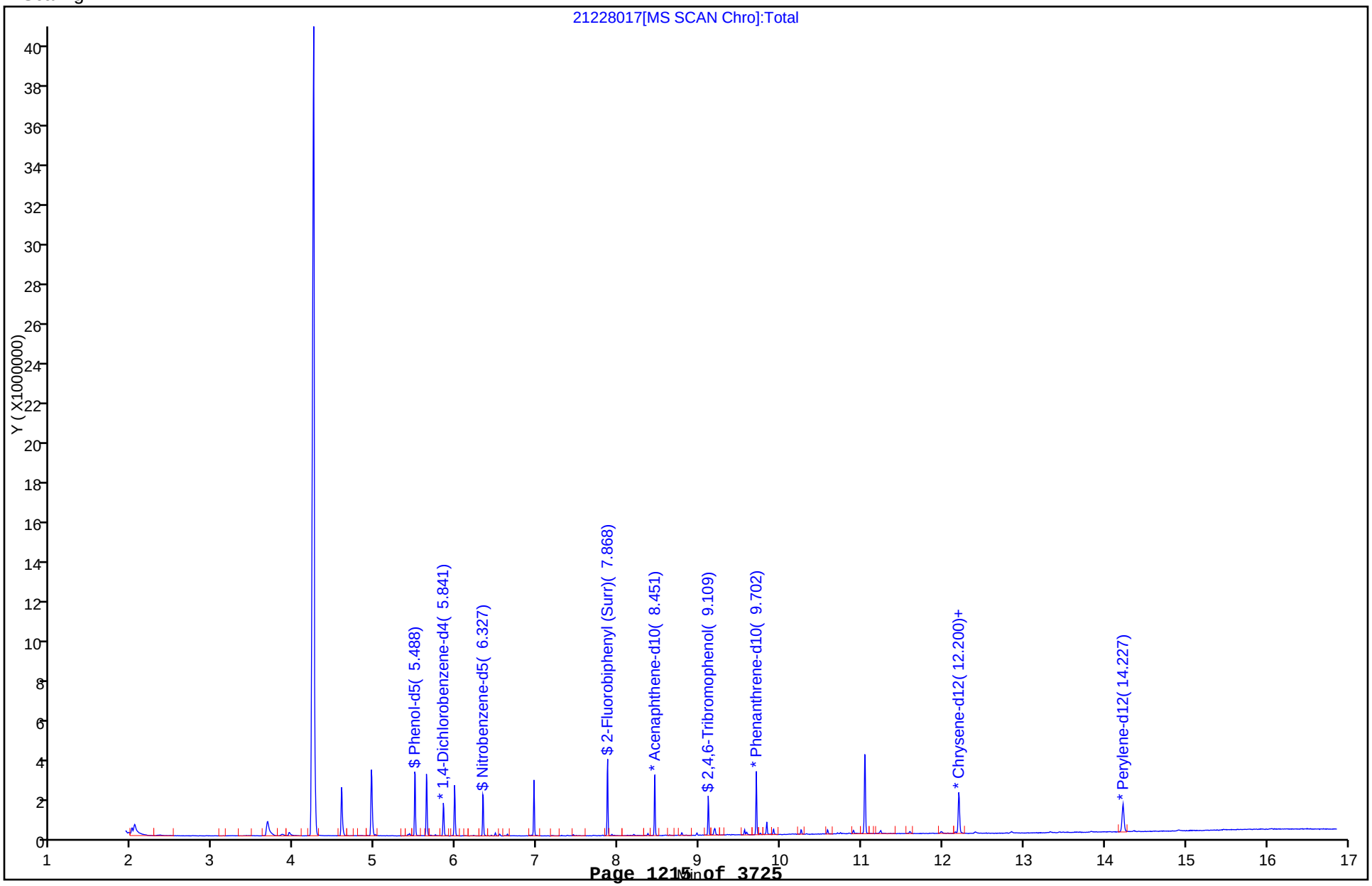
Report Date: 29-Dec-2012 12:38:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228017.D

Injection Date:	28-Dec-2012 16:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	072SB-0071-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	17
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0072-0001-SO | Lab Sample ID: 240-18581-15

Matrix: Solid | Lab File ID: 21228016.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 14:55

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.72(g) | Date Analyzed: 12/28/2012 16:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.9	U	7.8	3.9	3.9
208-96-8	Acenaphthylene	3.9	U	7.8	3.9	3.9
120-12-7	Anthracene	3.9	U	7.8	3.9	3.9
56-55-3	Benzo[a]anthracene	3.9	U	7.8	3.9	3.9
50-32-8	Benzo[a]pyrene	3.9	U	7.8	3.9	3.9
205-99-2	Benzo[b]fluoranthene	3.9	U	7.8	3.9	3.9
191-24-2	Benzo[g,h,i]perylene	3.9	U	7.8	3.9	3.9
207-08-9	Benzo[k]fluoranthene	3.9	U	7.8	3.9	3.9
218-01-9	Chrysene	3.9	U	7.8	3.9	1.3
53-70-3	Dibenz(a,h)anthracene	3.9	U	7.8	3.9	3.9
206-44-0	Fluoranthene	3.9	U	7.8	3.9	3.9
86-73-7	Fluorene	3.9	U	7.8	3.9	3.9
193-39-5	Indeno[1,2,3-cd]pyrene	3.9	U	7.8	3.9	3.9
91-20-3	Naphthalene	3.9	U	7.8	3.9	3.9
85-01-8	Phenanthrene	3.9	U	7.8	3.9	3.9
129-00-0	Pyrene	3.9	U	7.8	3.9	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	52		45-105
367-12-4	2-Fluorophenol (Surr)	68		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	54		35-100
4165-62-2	Phenol-d5 (Surr)	69		40-100
1718-51-0	Terphenyl-d14 (Surr)	65		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	55		35-125

Report Date: 29-Dec-2012 12:38:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228016.D
Lims ID: 240-18581-H-15-D Client ID: 072SB-0072-0001-SO
Inject. Date: 28-Dec-2012 16:27:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016244-016
Misc. Info.: 240-18581-H-15-D
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 70417 Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\8270_hp7.m
Last Update: 29-Dec-2012 12:38:31 Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK027

First Level Reviewer: gruberj Date: 29-Dec-2012 12:36:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.841	5.841	0.0	96	242567	4.00	
* 2 Naphthalene-d8	136	6.959	6.959	0.0	99	959242	4.00	
* 3 Acenaphthene-d10	164	8.451	8.451	0.0	90	565260	4.00	
* 4 Phenanthrene-d10	188	9.702	9.703	0.0	98	917038	4.00	
* 5 Chrysene-d12	240	12.200	12.200	0.0	96	918121	4.00	
* 6 Perylene-d12	264	14.227	14.227	0.0	91	808691	4.00	
$ 7 2-Fluorophenol	112	4.584	4.573	0.011	95	763845	10.3	
$ 8 Phenol-d5	99	5.488	5.488	0.0	91	1024418	10.3	
$ 9 Nitrobenzene-d5	82	6.327	6.333	-0.006	93	572769	5.42	
$ 10 2-Fluorobiphenyl (Surr)	172	7.868	7.868	0.0	100	1058742	5.23	
$ 11 2,4,6-Tribromophenol	330	9.109	9.114	-0.005	85	157649	8.29	
$ 12 Terphenyl-d14	244	11.045	11.045	0.0	99	1214882	6.47	
73 Naphthalene	128		6.980					9
107 Acenaphthylene	152		8.333					9
110 Acenaphthene	153		8.478					
124 Fluorene	166		8.911					
146 Phenanthrene	178		9.724					9
147 Anthracene	178		9.772					
157 Fluoranthene	202		10.729					9
160 Pyrene	202		10.933					9
175 Benzo[a]anthracene	228		12.195					9
176 Chrysene	228		12.238					9
180 Benzo[b]fluoranthene	252		13.660					
181 Benzo[k]fluoranthene	252		13.703					9
182 Benzo[a]pyrene	252		14.147					
186 Indeno[1,2,3-cd]pyrene	276		15.853					
187 Dibenz(a,h)anthracene	278		15.880					9
188 Benzo[g,h,i]perylene	276		16.281					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

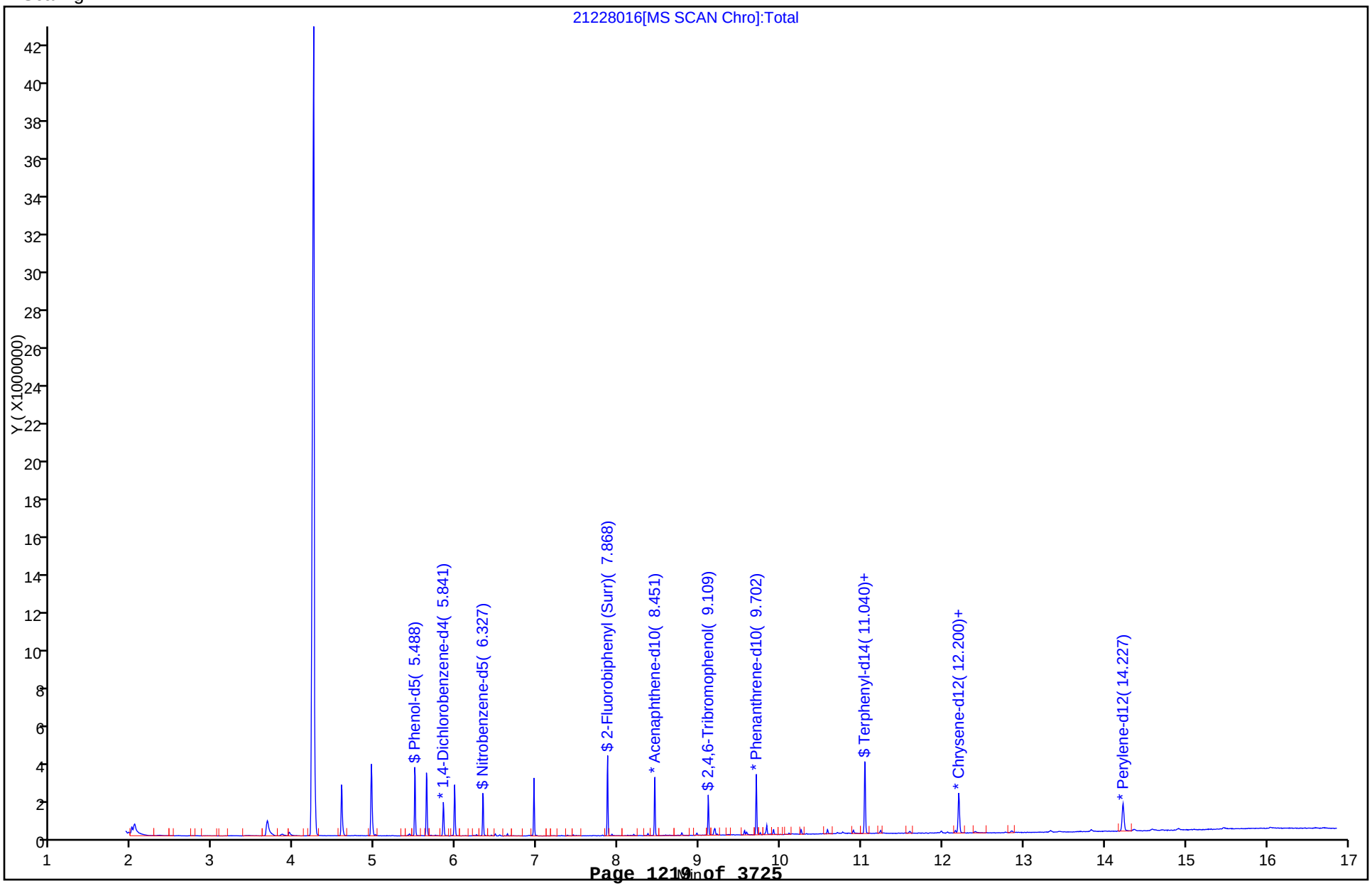
Report Date: 29-Dec-2012 12:38:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228016.D

Injection Date:	28-Dec-2012 16:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	072SB-0072-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0073-0001-SO | Lab Sample ID: 240-18581-16

Matrix: Solid | Lab File ID: 21228015.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 15:05

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.08(g) | Date Analyzed: 12/28/2012 16:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 12.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.8	U	7.6	3.8	3.8
208-96-8	Acenaphthylene	3.8	U	7.6	3.8	3.8
120-12-7	Anthracene	3.8	U	7.6	3.8	3.8
56-55-3	Benzo[a]anthracene	3.8	U	7.6	3.8	3.8
50-32-8	Benzo[a]pyrene	3.8	U	7.6	3.8	3.8
205-99-2	Benzo[b]fluoranthene	3.8	U	7.6	3.8	3.8
191-24-2	Benzo[g,h,i]perylene	3.8	U	7.6	3.8	3.8
207-08-9	Benzo[k]fluoranthene	3.8	U	7.6	3.8	3.8
218-01-9	Chrysene	3.8	U	7.6	3.8	1.3
53-70-3	Dibenz(a,h)anthracene	3.8	U	7.6	3.8	3.8
206-44-0	Fluoranthene	3.8	U	7.6	3.8	3.8
86-73-7	Fluorene	3.8	U	7.6	3.8	3.8
193-39-5	Indeno[1,2,3-cd]pyrene	3.8	U	7.6	3.8	3.8
91-20-3	Naphthalene	3.8	U	7.6	3.8	3.8
85-01-8	Phenanthrene	3.8	U	7.6	3.8	3.8
129-00-0	Pyrene	3.8	U	7.6	3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	52		45-105
367-12-4	2-Fluorophenol (Surr)	71		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	55		35-100
4165-62-2	Phenol-d5 (Surr)	71		40-100
1718-51-0	Terphenyl-d14 (Surr)	67		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	47		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228015.D		
Lims ID:	240-18581-H-16-D	Client ID:	072SB-0073-0001-SO
Inject. Date:	28-Dec-2012 16:03:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016244-015		
Misc. Info.:	240-18581-H-16-D		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	70417	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\8270_hp7.m		
Last Update:	29-Dec-2012 12:38:31	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK027		

First Level Reviewer: gruberj Date: 29-Dec-2012 12:36:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.841	5.841	0.0	96	224253	4.00	
* 2 Naphthalene-d8	136	6.959	6.959	0.0	99	905148	4.00	
* 3 Acenaphthene-d10	164	8.451	8.451	0.0	92	540962	4.00	
* 4 Phenanthrene-d10	188	9.703	9.703	0.001	98	856346	4.00	
* 5 Chrysene-d12	240	12.200	12.200	0.0	96	863886	4.00	
* 6 Perylene-d12	264	14.228	14.227	0.001	95	764613	4.00	
$ 7 2-Fluorophenol	112	4.589	4.573	0.016	95	734539	10.7	
$ 8 Phenol-d5	99	5.488	5.488	0.0	91	976826	10.7	
$ 9 Nitrobenzene-d5	82	6.328	6.333	-0.005	94	545269	5.47	
$ 10 2-Fluorobiphenyl (Surr)	172	7.868	7.868	0.0	100	1010037	5.21	
$ 11 2,4,6-Tribromophenol	330	9.109	9.114	-0.005	86	129429	7.12	
$ 12 Terphenyl-d14	244	11.045	11.045	0.0	99	1180976	6.68	
73 Naphthalene	128		6.980					
107 Acenaphthylene	152		8.333					9
110 Acenaphthene	153		8.478					
124 Fluorene	166		8.911					9
146 Phenanthrene	178		9.724					9
147 Anthracene	178		9.772					9
157 Fluoranthene	202		10.729					
160 Pyrene	202		10.933					9
175 Benzo[a]anthracene	228		12.195					
176 Chrysene	228		12.238					
180 Benzo[b]fluoranthene	252		13.660					
181 Benzo[k]fluoranthene	252		13.703					
182 Benzo[a]pyrene	252		14.147					
186 Indeno[1,2,3-cd]pyrene	276		15.853					9
187 Dibenz(a,h)anthracene	278		15.880					9
188 Benzo[g,h,i]perylene	276		16.281					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

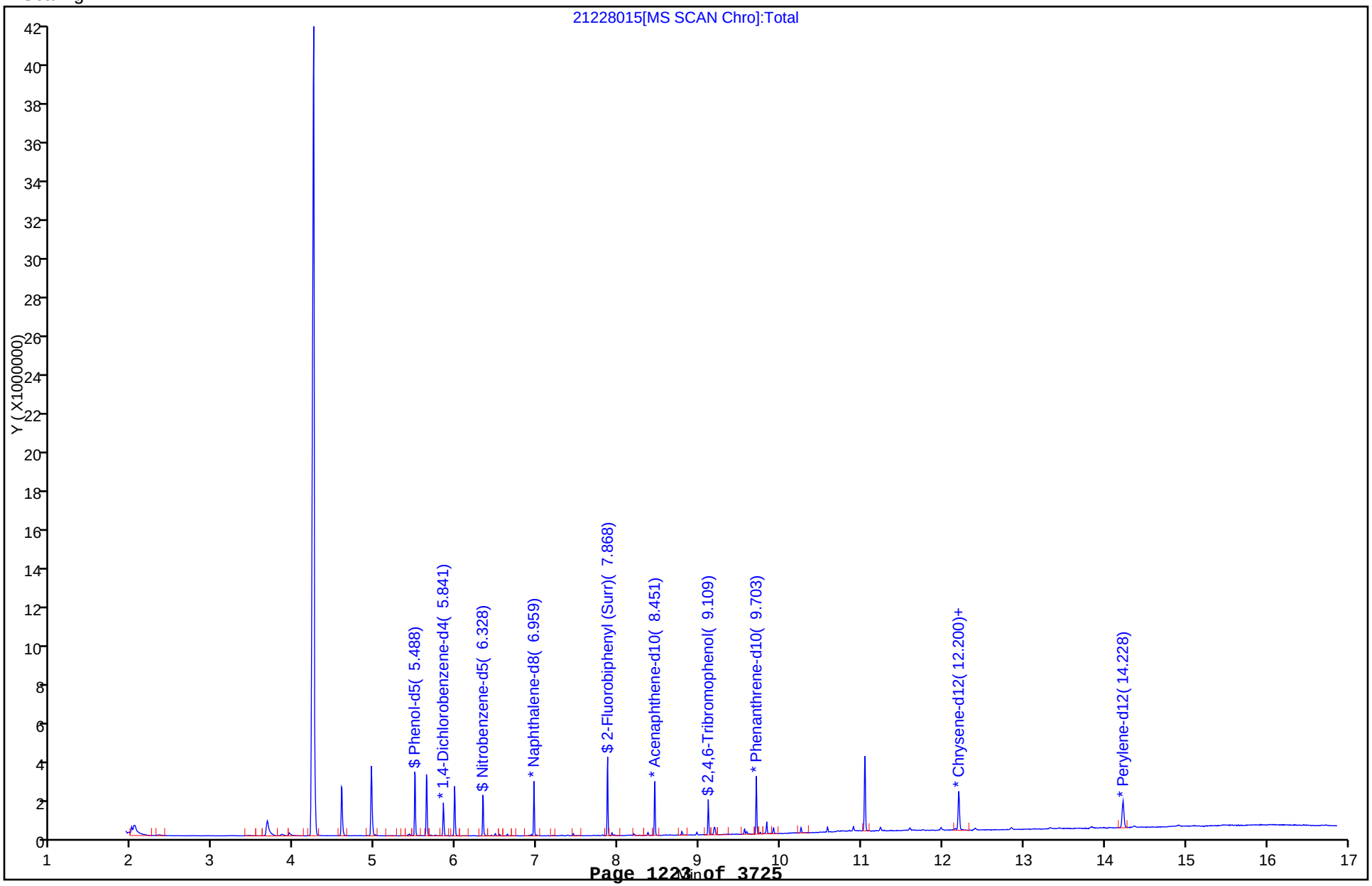
Report Date: 29-Dec-2012 12:38:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228015.D

Injection Date:	28-Dec-2012 16:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	072SB-0073-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SS-0048M-0001-SO | Lab Sample ID: 240-18581-17

Matrix: Solid | Lab File ID: 21228014.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:22

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.70(g) | Date Analyzed: 12/28/2012 15:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	12		6.7	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.7	3.3	3.3
120-12-7	Anthracene	3.3	U	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U	6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.7	3.3	3.3
65-85-0	Benzoic acid	340	U	670	340	340
207-08-9	Benzo[k]fluoranthene	3.3	U	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.6
117-81-7	Bis(2-ethylhexyl) phthalate	61		51	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	51	27	13
85-68-7	Butyl benzyl phthalate	16	J	51	27	10
86-74-8	Carbazole	27	U	51	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	51	3.3	3.3
95-57-8	2-Chlorophenol	27	U	51	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	51	27	13
218-01-9	Chrysene	3.3	U	6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.7	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	51	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	51	27	9.8
541-73-1	1,3-Dichlorobenzene	27	U	51	27	11
106-46-7	1,4-Dichlorobenzene	27	U	51	27	20
91-94-1	3,3'-Dichlorobenzidine	81	U	100	81	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	51	27	16
105-67-9	2,4-Dimethylphenol	81	U	150	81	20
131-11-3	Dimethyl phthalate	27	U	51	27	17
84-74-2	Di-n-butyl phthalate	27	U	51	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SS-0048M-0001-SO | Lab Sample ID: 240-18581-17

Matrix: Solid | Lab File ID: 21228014.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:22

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.70(g) | Date Analyzed: 12/28/2012 15:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	81	U	150	81	81
51-28-5	2,4-Dinitrophenol	81	U	330	81	81
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	51	27	27
206-44-0	Fluoranthene	7.7		6.7	3.3	3.3
86-73-7	Fluorene	19		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	51	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	51	27	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.7	3.3	3.3
78-59-1	Isophorone	27	U	51	27	13
91-57-6	2-Methylnaphthalene	3.3	U	6.7	3.3	3.3
95-48-7	2-Methylphenol	81	U	200	81	81
15831-10-4	3 & 4 Methylphenol	81	U	400	81	20
91-20-3	Naphthalene	3.3	U	6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.2
99-09-2	3-Nitroaniline	81	U	200	81	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	51	27	27
100-02-7	4-Nitrophenol	81	U	330	81	81
621-64-7	N-Nitrosodi-n-propylamine	27	U	51	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	51	27	21
87-86-5	Pentachlorophenol	81	U	150	81	81
85-01-8	Phenanthrene	38		6.7	3.3	3.3
108-95-2	Phenol	27	U	51	27	27
129-00-0	Pyrene	8.7		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	51	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SS-0048M-0001-SO | Lab Sample ID: 240-18581-17

Matrix: Solid | Lab File ID: 21228014.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:22

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.70(g) | Date Analyzed: 12/28/2012 15:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	52		45-105
367-12-4	2-Fluorophenol (Surr)	66		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	52		35-100
4165-62-2	Phenol-d5 (Surr)	67		40-100
1718-51-0	Terphenyl-d14 (Surr)	66		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	76		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228014.D		
Lims ID:	240-18581-B-17-C	Client ID:	070SS-0048M-0001-SO
Inject. Date:	28-Dec-2012 15:40:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016244-014		
Misc. Info.:	240-18581-B-17-C		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	70417	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\8270_hp7.m		
Last Update:	29-Dec-2012 12:38:31	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK027		

First Level Reviewer: gruberj Date: 29-Dec-2012 12:35:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.846	5.841	0.005	95	232377	4.00	
* 2 Naphthalene-d8	136	6.959	6.959	0.0	99	911458	4.00	
* 3 Acenaphthene-d10	164	8.451	8.451	0.0	91	544015	4.00	
* 4 Phenanthrene-d10	188	9.703	9.703	0.001	98	867929	4.00	
* 5 Chrysene-d12	240	12.200	12.200	0.0	97	885308	4.00	
* 6 Perylene-d12	264	14.233	14.227	0.006	95	769189	4.00	
$ 7 2-Fluorophenol	112	4.605	4.573	0.032	94	709996	9.96	
$ 8 Phenol-d5	99	5.493	5.488	0.005	97	950317	10.0	
$ 9 Nitrobenzene-d5	82	6.328	6.333	-0.005	94	520684	5.19	
$ 10 2-Fluorobiphenyl (Surr)	172	7.868	7.868	0.0	99	1011669	5.19	
$ 11 2,4,6-Tribromophenol	330	9.109	9.114	-0.005	83	208546	11.4	
$ 12 Terphenyl-d14	244	11.045	11.045	0.0	99	1189129	6.56	
41 Phenol	94	5.504	5.498	0.006	60	17252	0.1735	
44 Bis(2-chloroethyl)ether	93		5.595					9
46 2-Chlorophenol	128		5.648					9
47 1,3-Dichlorobenzene	146		5.793					9
48 1,4-Dichlorobenzene	146		5.857					9
49 Benzyl alcohol	108		5.958					
50 1,2-Dichlorobenzene	146		5.996					9
51 2-Methylphenol	108		6.049					
52 2,2'-oxybis[1-chloropropane]	45		6.076					9
191 3 & 4 Methylphenol	108		6.178					
56 N-Nitrosodi-n-propylamine	70		6.188					
60 Hexachloroethane	117		6.301					9
61 Nitrobenzene	77		6.349					
63 Isophorone	82		6.552					
65 2-Nitrophenol	139		6.627					9
64 2,4-Dimethylphenol	107		6.643					9
69 Benzoic acid	122		6.707					
68 Bis(2-chloroethoxy)methane	93		6.729					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.830					
72 1,2,4-Trichlorobenzene	180		6.905					
73 Naphthalene	128		6.980					9
74 4-Chloroaniline	127		7.012					9
77 Hexachlorobutadiene	225		7.076					
84 4-Chloro-3-methylphenol	107		7.408					9
85 2-Methylnaphthalene	142		7.568					
88 Hexachlorocyclopentadiene	237		7.697					
90 2,4,6-Trichlorophenol	196		7.798					9
91 2,4,5-Trichlorophenol	196		7.825					9
98 2-Chloronaphthalene	162		7.980					9
100 2-Nitroaniline	65		8.055					
103 Dimethyl phthalate	163		8.194					
105 2,6-Dinitrotoluene	165		8.253					
107 Acenaphthylene	152		8.333					
108 3-Nitroaniline	138		8.397					9
110 Acenaphthene	153	8.478	8.478	0.0	66	24059	0.1728	
109 2,4-Dinitrophenol	184		8.483					
111 4-Nitrophenol	109		8.515					9
112 2,4-Dinitrotoluene	165		8.595					
114 Dibenzofuran	168		8.622					9
119 Diethyl phthalate	149		8.782					
121 4-Chlorophenyl phenyl ether	204		8.900					
123 4-Nitroaniline	138		8.911					
124 Fluorene	166	8.911	8.911	0.0	81	46107	0.2815	
126 4,6-Dinitro-2-methylphenol	198		8.938					9
130 N-Nitrosodiphenylamine	169		8.996					
137 4-Bromophenyl phenyl ether	248		9.312					
139 Hexachlorobenzene	284		9.376					
141 Pentachlorophenol	266		9.531					9
146 Phenanthrene	178	9.724	9.724	0.0	87	131474	0.5643	
147 Anthracene	178		9.772					
149 Carbazole	167		9.895					
151 Di-n-butyl phthalate	149		10.152					
157 Fluoranthene	202	10.735	10.729	0.006	65	29306	0.1146	
160 Pyrene	202	10.933	10.933	0.0	91	33035	0.1290	
166 Butyl benzyl phthalate	149	11.510	11.510	0.0	65	25035	0.2408	
173 3,3'-Dichlorobenzidine	252		12.141					9
171 Bis(2-ethylhexyl) phthalate	149	12.158	12.163	-0.005	81	115564	0.9043	
175 Benzo[a]anthracene	228		12.195					9
176 Chrysene	228		12.238					9
178 Di-n-octyl phthalate	149		13.045					
180 Benzo[b]fluoranthene	252		13.660					
181 Benzo[k]fluoranthene	252		13.703					
182 Benzo[a]pyrene	252		14.147					9
186 Indeno[1,2,3-cd]pyrene	276		15.853					9
187 Dibenz(a,h)anthracene	278		15.880					
188 Benzo[g,h,i]perylene	276		16.281					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 29-Dec-2012 12:38:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228014.D

Injection Date:	28-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SS-0048M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

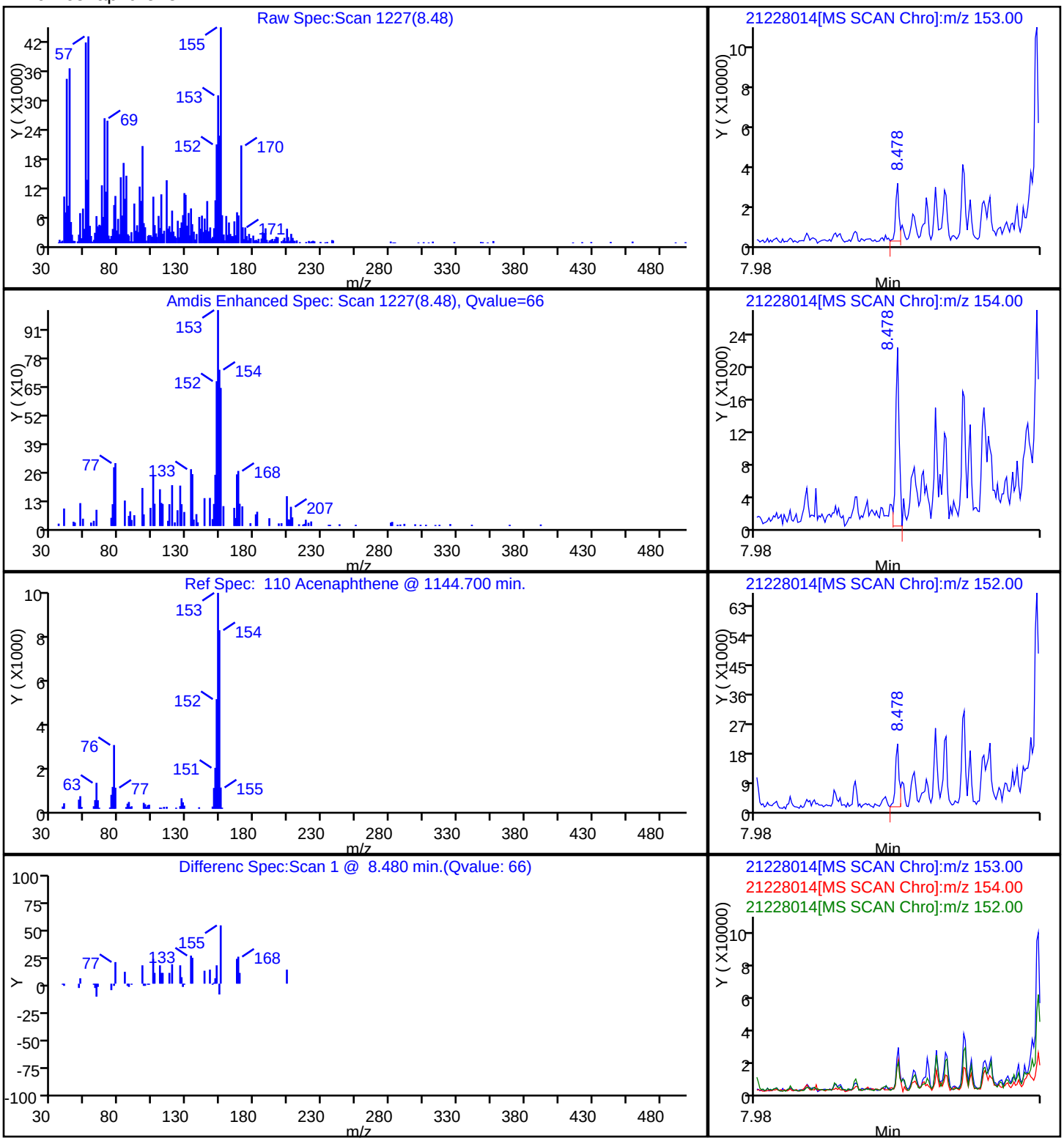
Y Scaling:

Report Date: 29-Dec-2012 12:38:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228014.D		
Injection Date:	28-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SS-0048M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

110 Acenaphthene



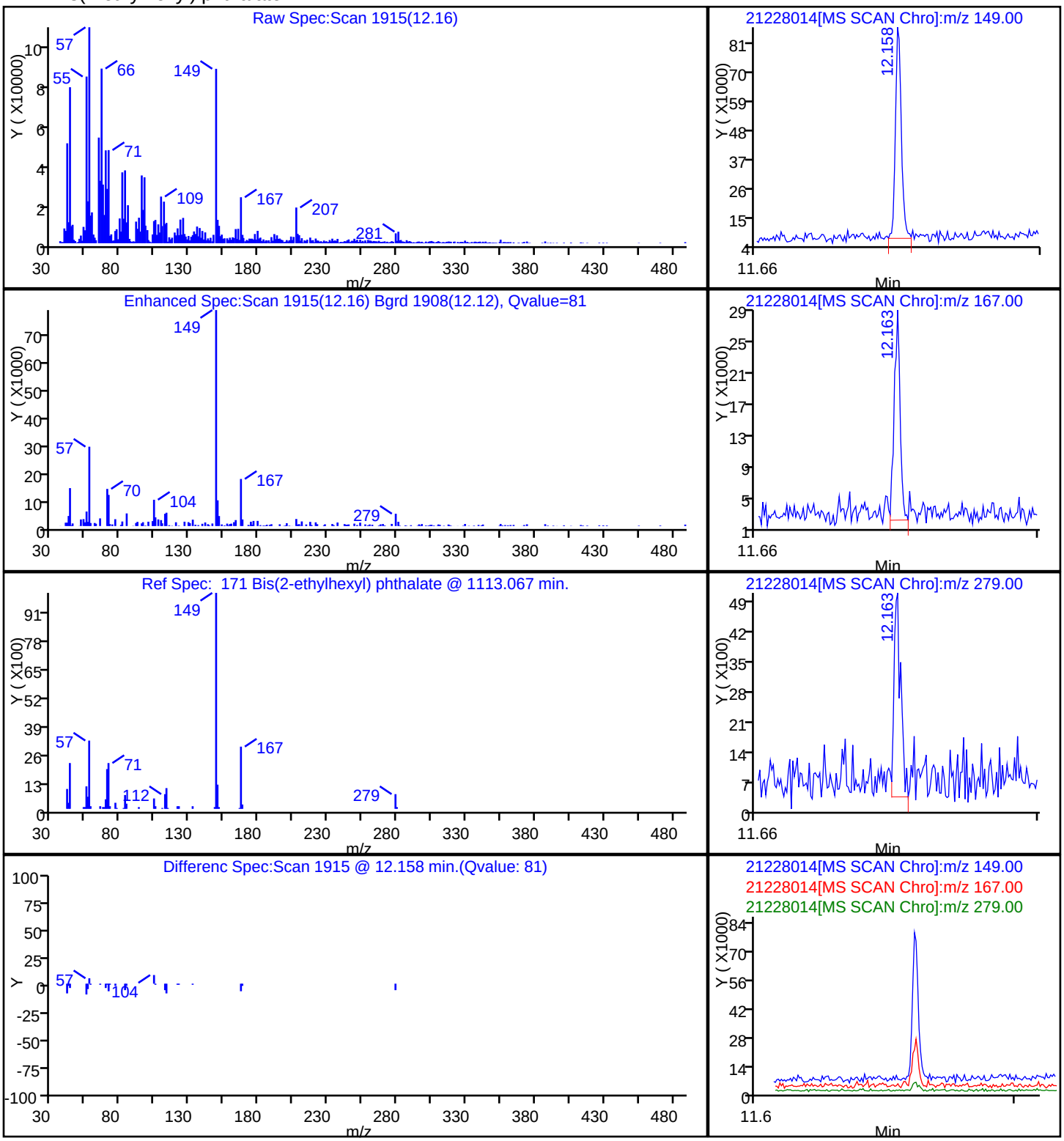
Report Date: 29-Dec-2012 12:38:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228014.D

Injection Date:	28-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SS-0048M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate



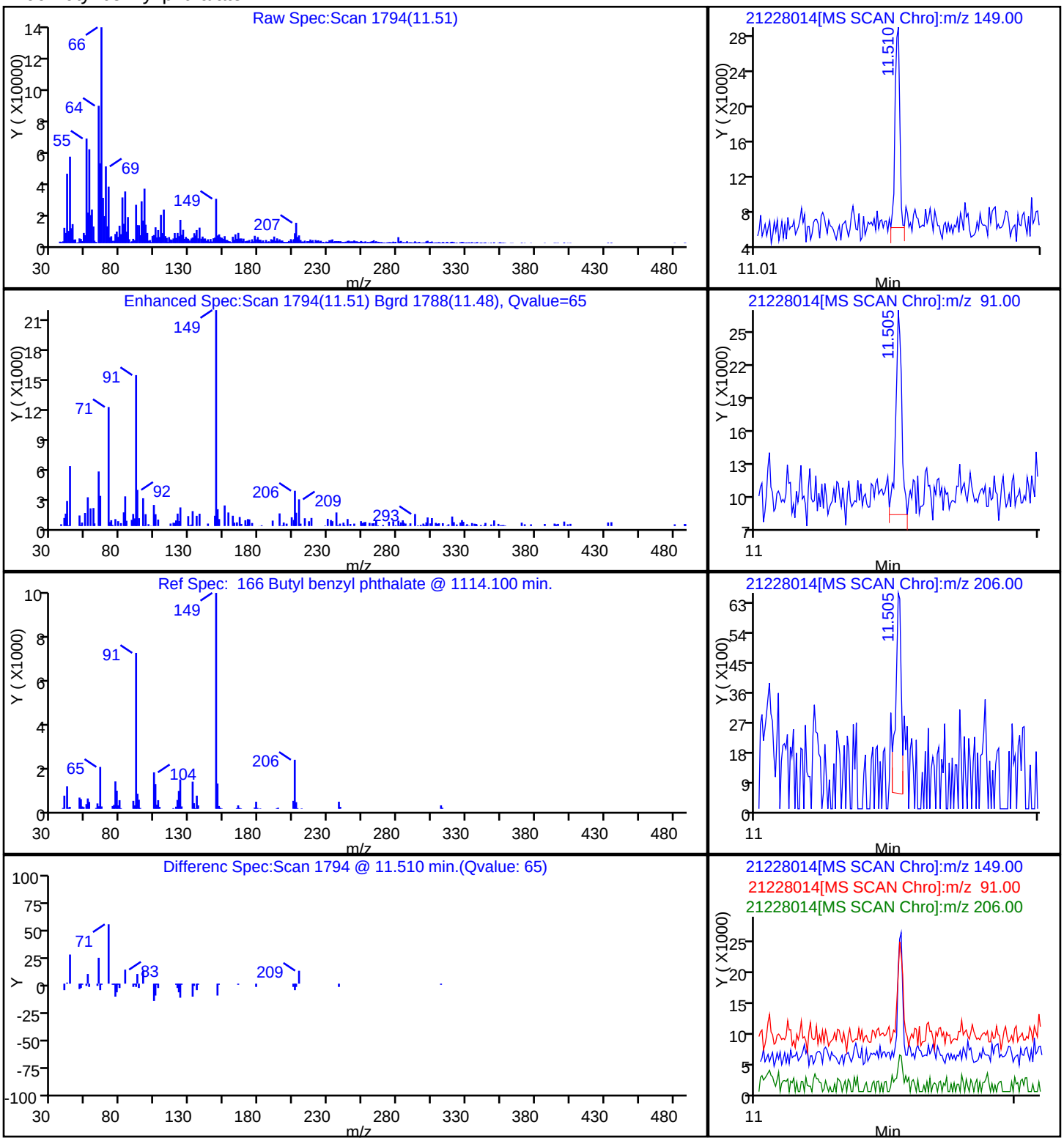
Report Date: 29-Dec-2012 12:38:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228014.D

Injection Date:	28-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SS-0048M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

166 Butyl benzyl phthalate



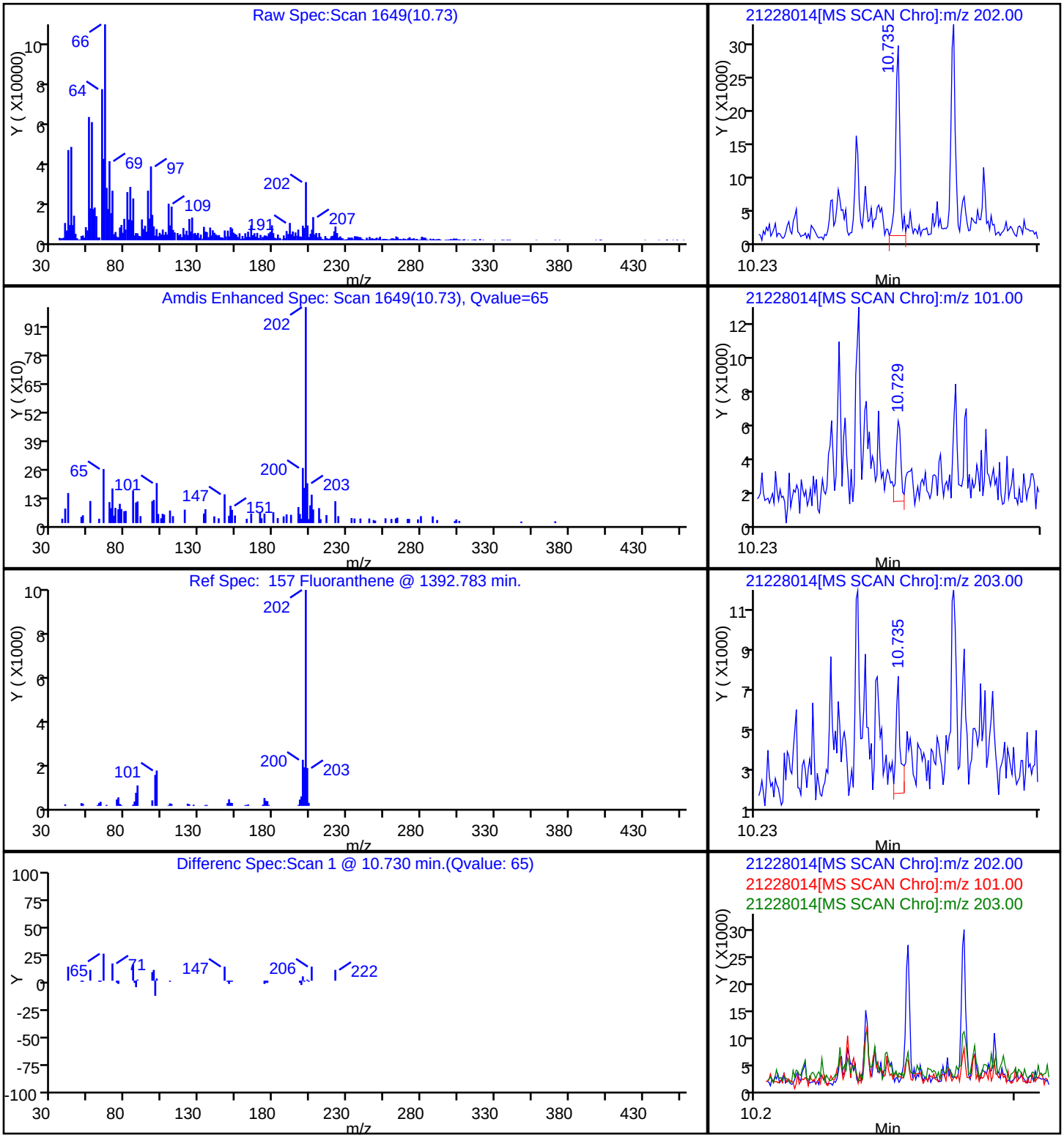
Report Date: 29-Dec-2012 12:38:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228014.D

Injection Date:	28-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SS-0048M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



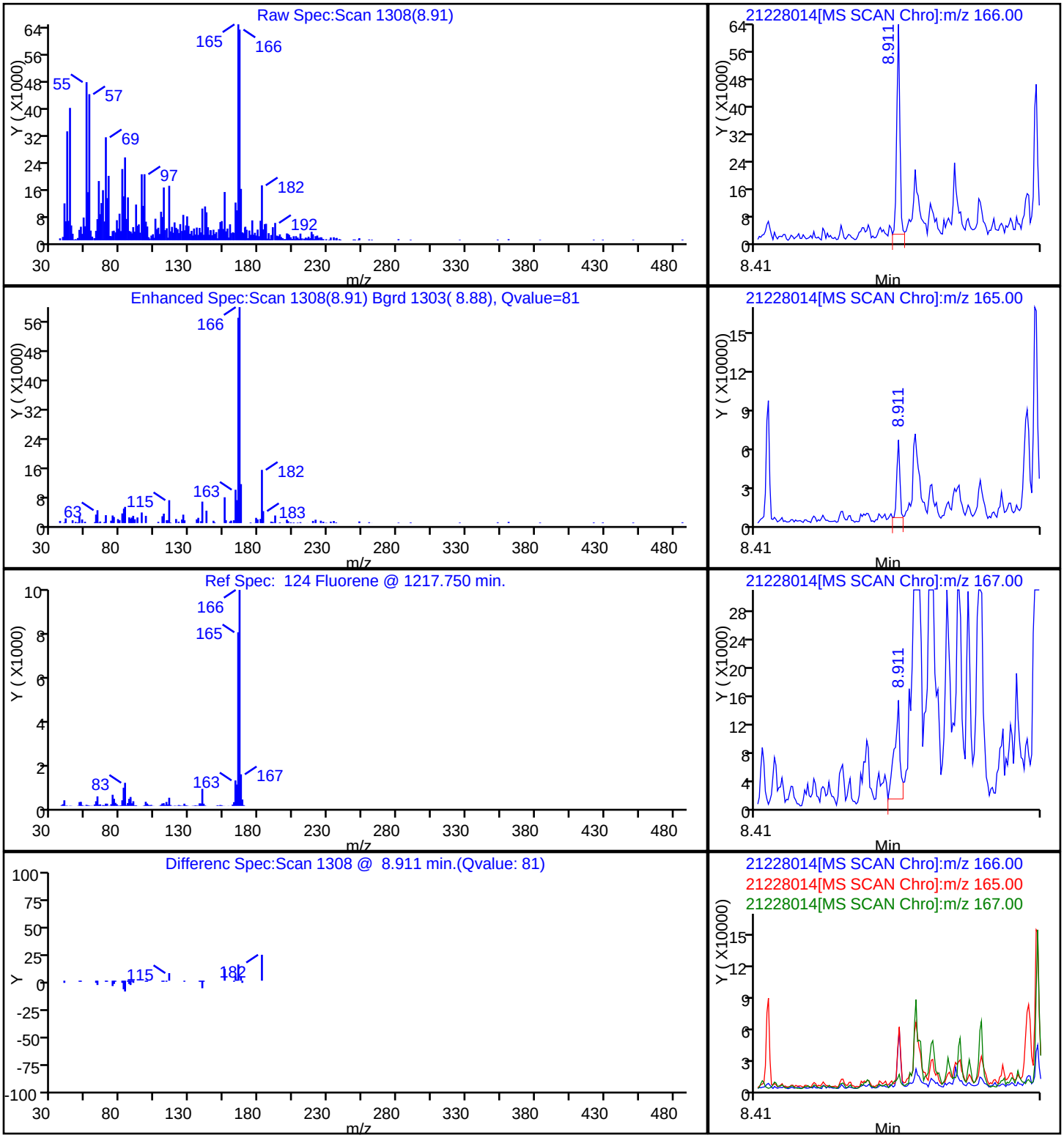
Report Date: 29-Dec-2012 12:38:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228014.D

Injection Date:	28-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SS-0048M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

124 Fluorene



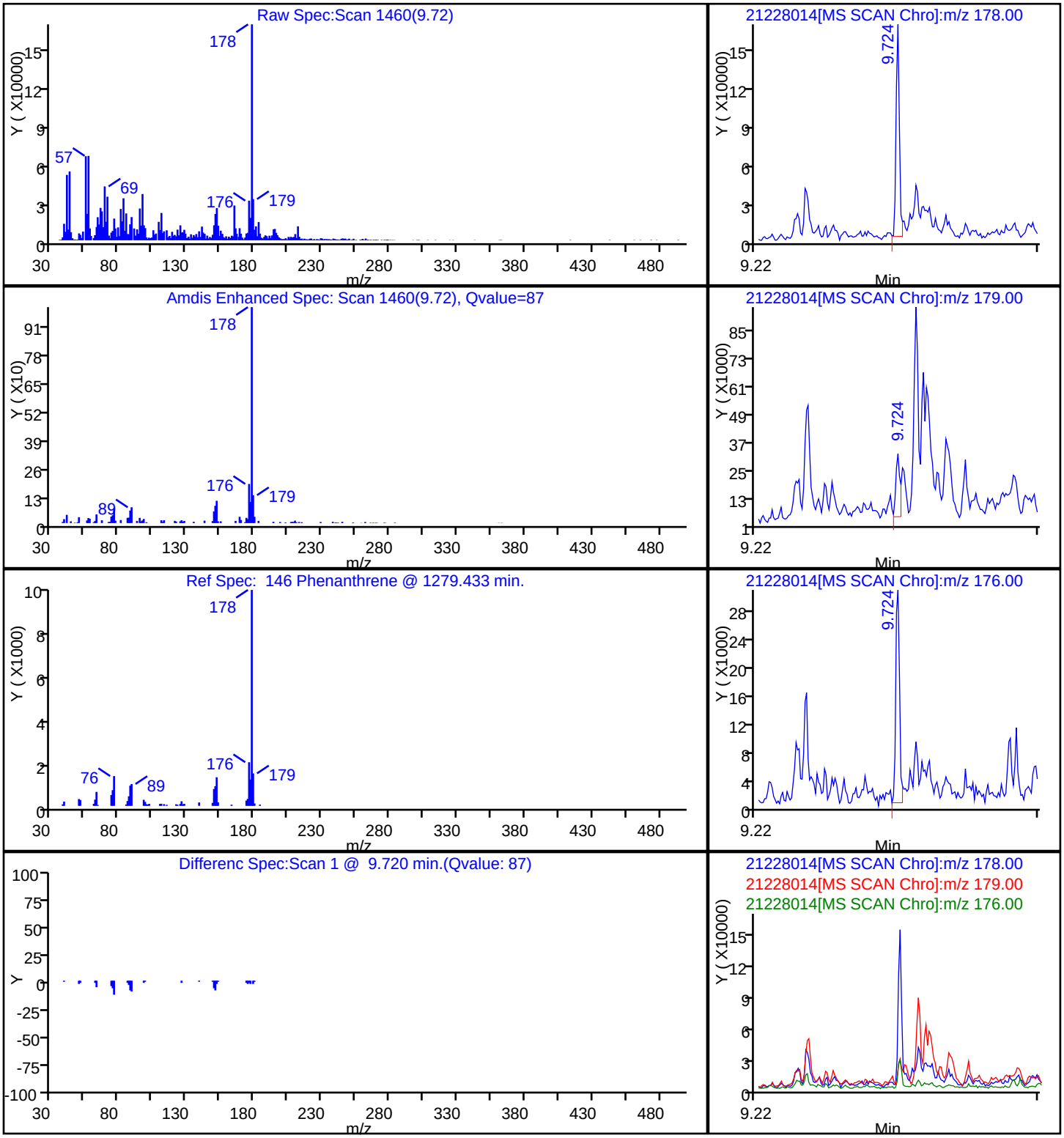
Report Date: 29-Dec-2012 12:38:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228014.D

Injection Date:	28-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SS-0048M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



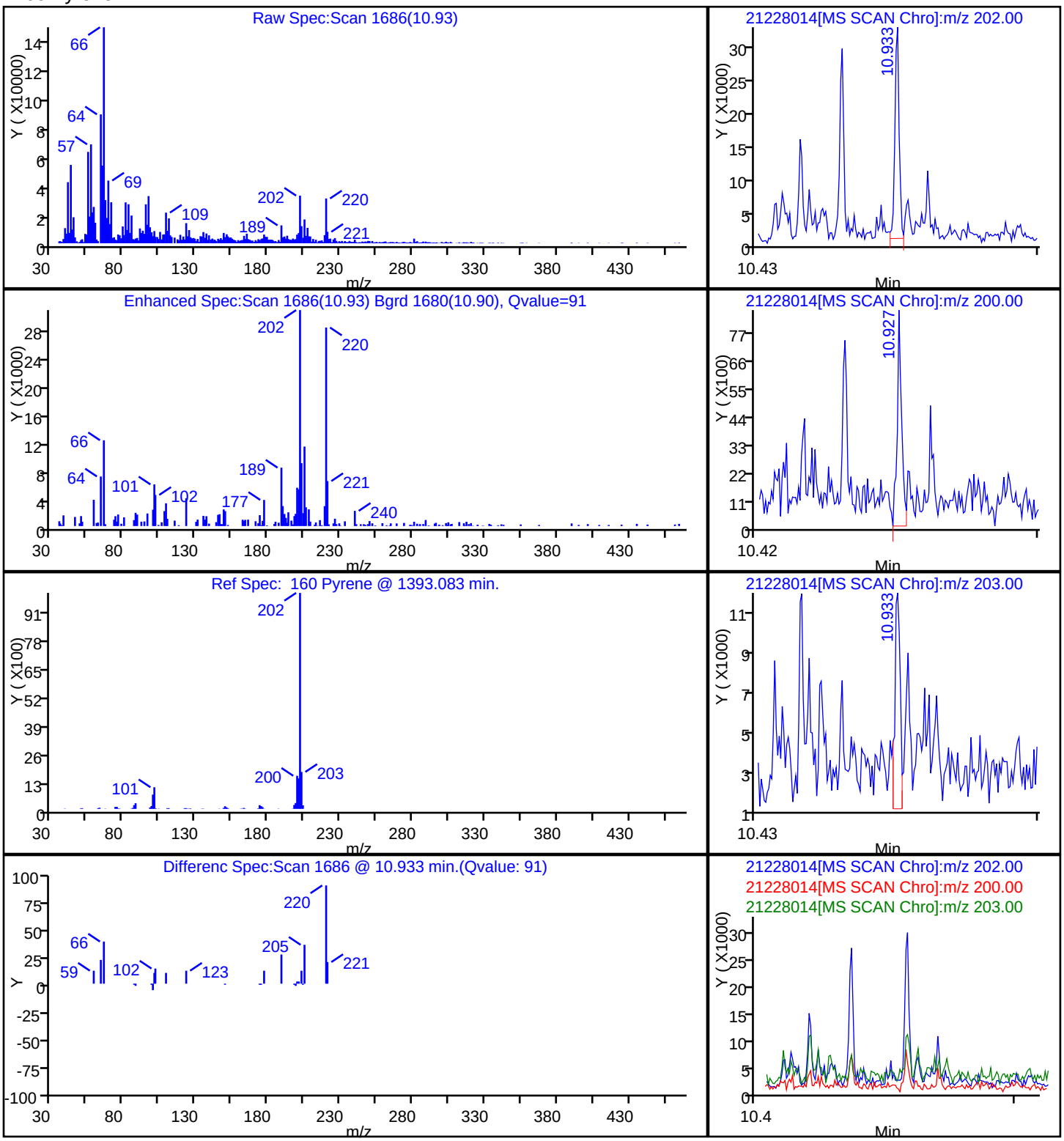
Report Date: 29-Dec-2012 12:38:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228014.D

Injection Date:	28-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SS-0048M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0049M-0001-SO | Lab Sample ID: 240-18581-18

Matrix: Solid | Lab File ID: 21228013.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:22

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.21(g) | Date Analyzed: 12/28/2012 15:17

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.6	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.6	3.3	3.3
120-12-7	Anthracene	3.3	U	6.6	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.6	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.6	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U	6.6	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.6	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.6	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	99	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	99	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	99	27	9.4
117-81-7	Bis(2-ethylhexyl) phthalate	27	J	50	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	50	27	9.9
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	50	27	13
218-01-9	Chrysene	3.3	U	6.6	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.6	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	50	27	9.6
541-73-1	1,3-Dichlorobenzene	27	U	50	27	11
106-46-7	1,4-Dichlorobenzene	27	U	50	27	20
91-94-1	3,3'-Dichlorobenzidine	79	U	99	79	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	50	27	16
105-67-9	2,4-Dimethylphenol	79	U	150	79	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0049M-0001-SO | Lab Sample ID: 240-18581-18

Matrix: Solid | Lab File ID: 21228013.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:22

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.21(g) | Date Analyzed: 12/28/2012 15:17

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	79	U	150	79	79
51-28-5	2,4-Dinitrophenol	79	U	330	79	79
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	50	27	27
206-44-0	Fluoranthene	3.3	U	6.6	3.3	3.3
86-73-7	Fluorene	3.3	U	6.6	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.6	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	50	27	8.9
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.6	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	3.3	U	6.6	3.3	3.3
95-48-7	2-Methylphenol	79	U	200	79	79
15831-10-4	3 & 4 Methylphenol	79	U	400	79	20
91-20-3	Naphthalene	3.9	J	6.6	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.0
99-09-2	3-Nitroaniline	79	U	200	79	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	99	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	79	U	330	79	79
621-64-7	N-Nitrosodi-n-propylamine	27	U	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	50	27	21
87-86-5	Pentachlorophenol	79	U	150	79	79
85-01-8	Phenanthrene	3.3	U	6.6	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	3.3	U	6.6	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	79	U	150	79	79

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0049M-0001-SO | Lab Sample ID: 240-18581-18

Matrix: Solid | Lab File ID: 21228013.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:22

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.21(g) | Date Analyzed: 12/28/2012 15:17

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	52		45-105
367-12-4	2-Fluorophenol (Surr)	69		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	53		35-100
4165-62-2	Phenol-d5 (Surr)	66		40-100
1718-51-0	Terphenyl-d14 (Surr)	66		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	73		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228013.D		
Lims ID:	240-18581-B-18-C	Client ID:	070SB-0049M-0001-SO
Inject. Date:	28-Dec-2012 15:17:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016244-013		
Misc. Info.:	240-18581-B-18-C		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	70417	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\8270_hp7.m		
Last Update:	29-Dec-2012 12:38:31	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK027		

First Level Reviewer: gruberj Date: 29-Dec-2012 12:35:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.846	5.841	0.005	96	227384	4.00	
* 2 Naphthalene-d8	136	6.959	6.959	0.0	100	878927	4.00	
* 3 Acenaphthene-d10	164	8.451	8.451	0.0	92	517439	4.00	
* 4 Phenanthrene-d10	188	9.702	9.703	0.0	98	840317	4.00	
* 5 Chrysene-d12	240	12.200	12.200	0.0	97	855624	4.00	
* 6 Perylene-d12	264	14.227	14.227	0.0	96	735994	4.00	
$ 7 2-Fluorophenol	112	4.643	4.573	0.070	93	719432	10.3	
$ 8 Phenol-d5	99	5.498	5.488	0.010	91	924186	9.95	
$ 9 Nitrobenzene-d5	82	6.333	6.333	0.0	93	512804	5.30	
$ 10 2-Fluorobiphenyl (Surr)	172	7.868	7.868	0.0	100	970469	5.23	
$ 11 2,4,6-Tribromophenol	330	9.114	9.114	0.0	94	189567	10.9	
$ 12 Terphenyl-d14	244	11.040	11.045	-0.005	98	1162044	6.64	
41 Phenol	94		5.498					9
44 Bis(2-chloroethyl)ether	93		5.595					9
46 2-Chlorophenol	128		5.648					9
47 1,3-Dichlorobenzene	146		5.793					9
48 1,4-Dichlorobenzene	146		5.857					9
49 Benzyl alcohol	108		5.958					9
50 1,2-Dichlorobenzene	146		5.996					
51 2-Methylphenol	108		6.049					
52 2,2'-oxybis[1-chloropropane]	45		6.076					
191 3 & 4 Methylphenol	108		6.178					
56 N-Nitrosodi-n-propylamine	70		6.188					
60 Hexachloroethane	117		6.301					
61 Nitrobenzene	77		6.349					
63 Isophorone	82		6.552					
65 2-Nitrophenol	139		6.627					9
64 2,4-Dimethylphenol	107		6.643					9
69 Benzoic acid	122		6.707					9
68 Bis(2-chloroethoxy)methane	93		6.729					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.830					
72 1,2,4-Trichlorobenzene	180		6.905					
73 Naphthalene	128	6.980	6.980	0.0	26	12786	0.0595	
74 4-Chloroaniline	127		7.012					9
77 Hexachlorobutadiene	225		7.076					
84 4-Chloro-3-methylphenol	107		7.408					
85 2-Methylnaphthalene	142		7.568					
88 Hexachlorocyclopentadiene	237		7.697					
90 2,4,6-Trichlorophenol	196		7.798					
91 2,4,5-Trichlorophenol	196		7.825					
98 2-Chloronaphthalene	162		7.980					
100 2-Nitroaniline	65		8.055					
103 Dimethyl phthalate	163		8.194					9
105 2,6-Dinitrotoluene	165		8.253					
107 Acenaphthylene	152		8.333					9
108 3-Nitroaniline	138		8.397					9
110 Acenaphthene	153		8.478					
109 2,4-Dinitrophenol	184		8.483					
111 4-Nitrophenol	109		8.515					9
112 2,4-Dinitrotoluene	165		8.595					9
114 Dibenzofuran	168		8.622					
119 Diethyl phthalate	149		8.782					
121 4-Chlorophenyl phenyl ether	204		8.900					
123 4-Nitroaniline	138		8.911					9
124 Fluorene	166		8.911					
126 4,6-Dinitro-2-methylphenol	198		8.938					
130 N-Nitrosodiphenylamine	169		8.996					
137 4-Bromophenyl phenyl ether	248		9.312					
139 Hexachlorobenzene	284		9.376					
141 Pentachlorophenol	266		9.531					
146 Phenanthrene	178		9.724					
147 Anthracene	178		9.772					
149 Carbazole	167		9.895					
151 Di-n-butyl phthalate	149		10.152					
157 Fluoranthene	202		10.729					
160 Pyrene	202		10.933					
166 Butyl benzyl phthalate	149		11.510					9
173 3,3'-Dichlorobenzidine	252		12.141					9
171 Bis(2-ethylhexyl) phthalate	149	12.157	12.163	-0.006	85	39303	0.4074	
175 Benzo[a]anthracene	228		12.195					9
176 Chrysene	228		12.238					9
178 Di-n-octyl phthalate	149		13.045					
180 Benzo[b]fluoranthene	252		13.660					2
181 Benzo[k]fluoranthene	252		13.703					9
182 Benzo[a]pyrene	252		14.147					
186 Indeno[1,2,3-cd]pyrene	276		15.853					9
187 Dibenz(a,h)anthracene	278		15.880					9
188 Benzo[g,h,i]perylene	276		16.281					9

QC Flag Legend

Processing Flags
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

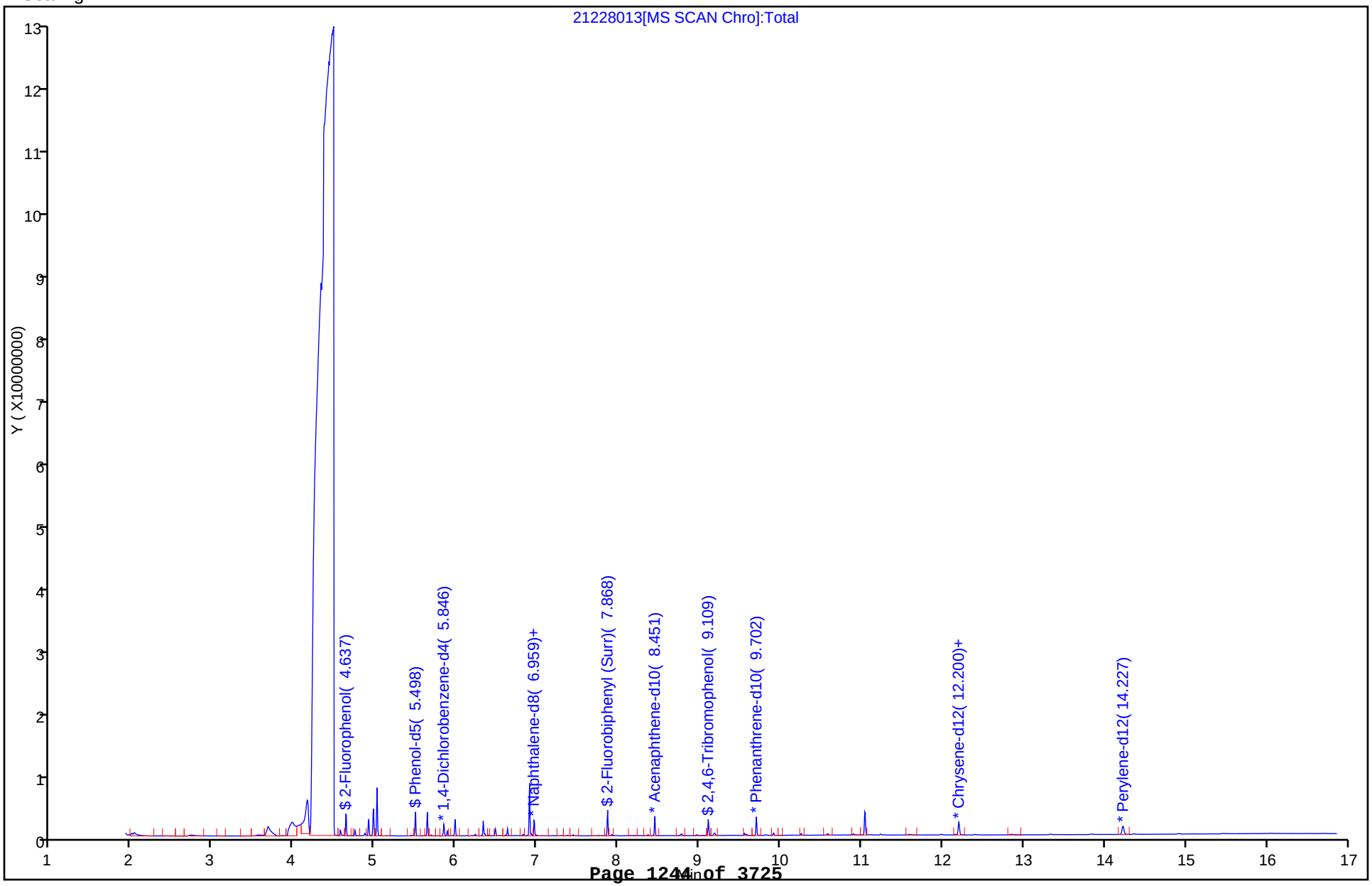
Report Date: 29-Dec-2012 12:38:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228013.D

Injection Date:	28-Dec-2012 15:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0049M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	13
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



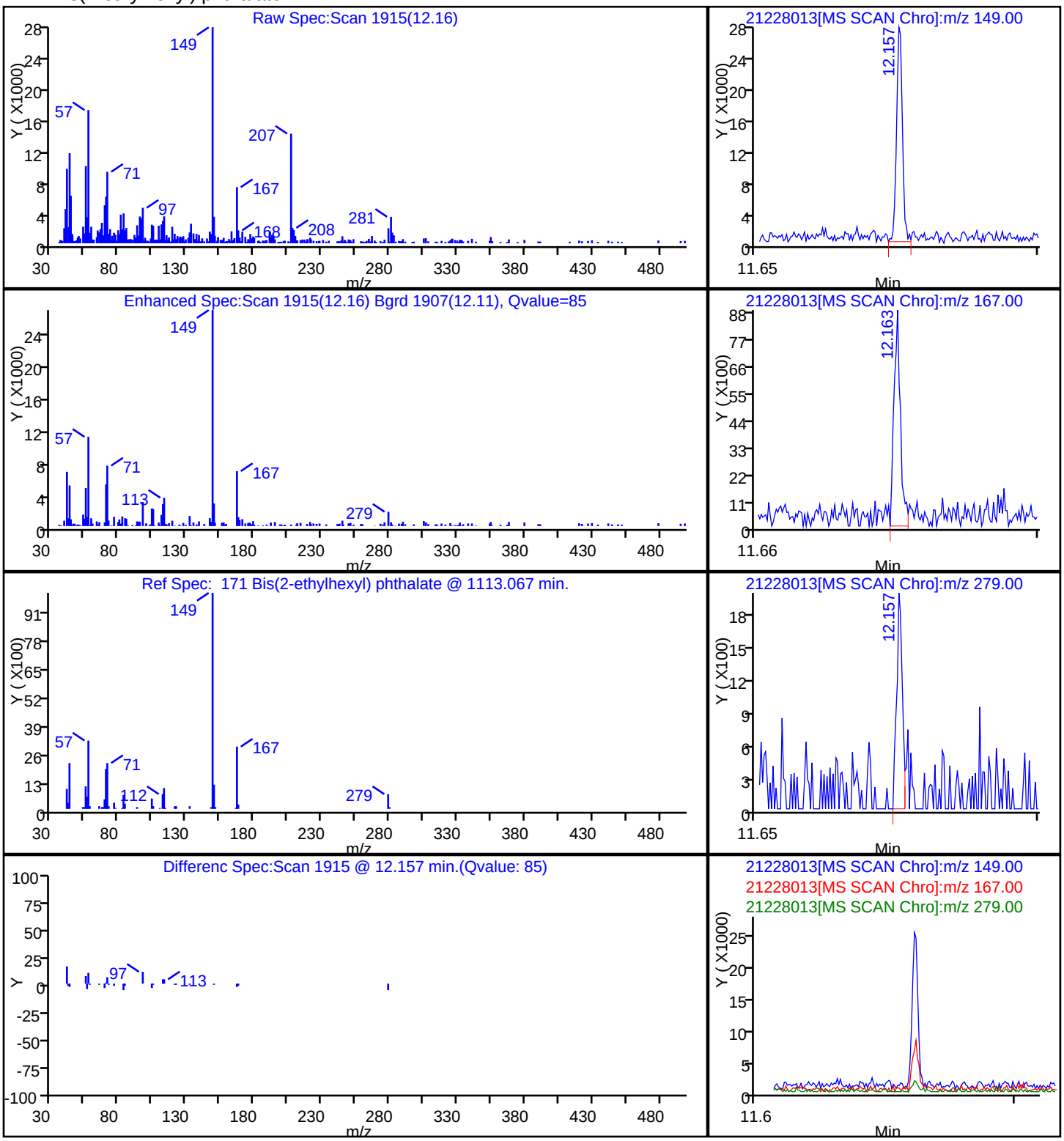
Report Date: 29-Dec-2012 12:38:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228013.D

Injection Date:	28-Dec-2012 15:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0049M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	13
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate



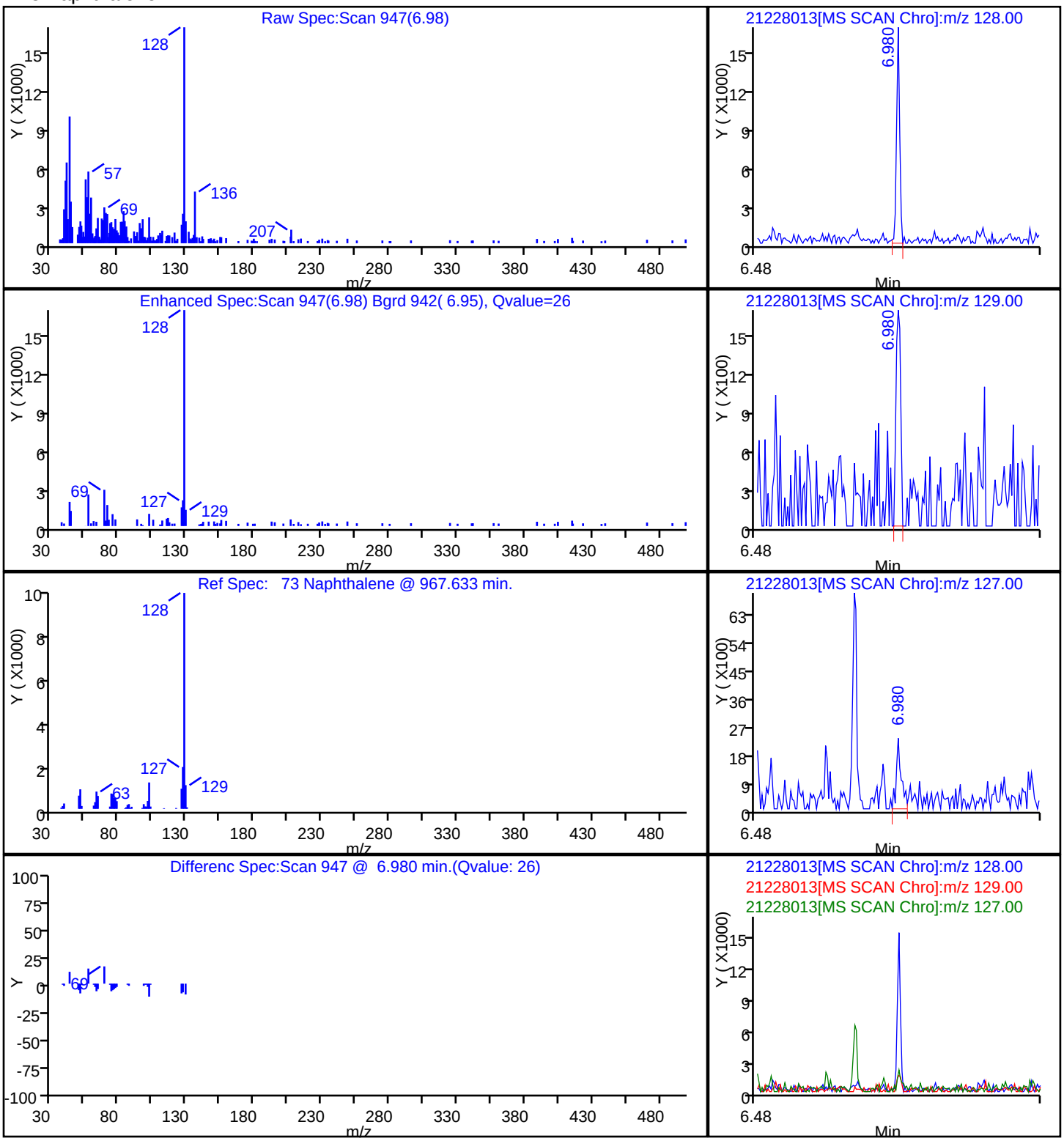
Report Date: 29-Dec-2012 12:38:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228013.D

Injection Date:	28-Dec-2012 15:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0049M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	13
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0050M-0001-SO | Lab Sample ID: 240-18581-19

Matrix: Solid | Lab File ID: 21228012.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 09:25

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.58(g) | Date Analyzed: 12/28/2012 14:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.8	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.8	3.3	3.3
120-12-7	Anthracene	3.3	U	6.8	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.8	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.8	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U	6.8	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.8	3.3	3.3
65-85-0	Benzoic acid	340	U	670	340	340
207-08-9	Benzo[k]fluoranthene	3.3	U	6.8	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.6
117-81-7	Bis(2-ethylhexyl) phthalate	29	J	51	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	51	27	13
85-68-7	Butyl benzyl phthalate	27	U	51	27	10
86-74-8	Carbazole	27	U	51	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	51	3.3	3.3
95-57-8	2-Chlorophenol	27	U	51	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	51	27	13
218-01-9	Chrysene	3.3	U	6.8	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.8	3.3	3.3
132-64-9	Dibenzofuran	3.8	J	51	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	51	27	9.8
541-73-1	1,3-Dichlorobenzene	27	U	51	27	11
106-46-7	1,4-Dichlorobenzene	27	U	51	27	20
91-94-1	3,3'-Dichlorobenzidine	81	U	100	81	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	51	27	16
105-67-9	2,4-Dimethylphenol	81	U	150	81	20
131-11-3	Dimethyl phthalate	27	U	51	27	17
84-74-2	Di-n-butyl phthalate	27	U	51	27	15

FORM I
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Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	81	U	150	81	81
51-28-5	2,4-Dinitrophenol	81	U	330	81	81
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	51	27	27
206-44-0	Fluoranthene	7.9		6.8	3.3	3.3
86-73-7	Fluorene	3.4	J	6.8	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.8	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	51	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	51	27	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.8	3.3	3.3
78-59-1	Isophorone	27	U	51	27	13
91-57-6	2-Methylnaphthalene	5.2	J	6.8	3.3	3.3
95-48-7	2-Methylphenol	81	U	200	81	81
15831-10-4	3 & 4 Methylphenol	81	U	410	81	20
91-20-3	Naphthalene	5.6	J	6.8	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.2
99-09-2	3-Nitroaniline	81	U	200	81	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	51	27	27
100-02-7	4-Nitrophenol	81	U	330	81	81
621-64-7	N-Nitrosodi-n-propylamine	27	U	51	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	51	27	21
87-86-5	Pentachlorophenol	81	U	150	81	81
85-01-8	Phenanthrene	14		6.8	3.3	3.3
108-95-2	Phenol	27	U	51	27	27
129-00-0	Pyrene	4.2	J	6.8	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	51	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0050M-0001-SO | Lab Sample ID: 240-18581-19

Matrix: Solid | Lab File ID: 21228012.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 09:25

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.58(g) | Date Analyzed: 12/28/2012 14:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	50		45-105
367-12-4	2-Fluorophenol (Surr)	68		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	51		35-100
4165-62-2	Phenol-d5 (Surr)	65		40-100
1718-51-0	Terphenyl-d14 (Surr)	59		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	66		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228012.D
Lims ID: 240-18581-B-19-C
Client ID: 070SB-0050M-0001-SO
Inject. Date: 28-Dec-2012 14:54:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016244-012
Misc. Info.: 240-18581-B-19-C
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 12
Lims Batch ID: 70417
Lims Sample ID: 12
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\8270_hp7.m
Last Update: 29-Dec-2012 12:38:31
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK027

First Level Reviewer: gruberj
Date: 28-Dec-2012 15:24:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.846	5.841	0.005	96	234274	4.00	
* 2 Naphthalene-d8	136	6.959	6.959	0.0	99	920369	4.00	
* 3 Acenaphthene-d10	164	8.451	8.451	0.0	92	550715	4.00	
* 4 Phenanthrene-d10	188	9.702	9.703	0.0	97	867549	4.00	
* 5 Chrysene-d12	240	12.200	12.200	0.0	98	895246	4.00	
* 6 Perylene-d12	264	14.227	14.227	0.0	91	764554	4.00	
$ 7 2-Fluorophenol	112	4.611	4.573	0.038	94	734930	10.2	
$ 8 Phenol-d5	99	5.493	5.488	0.005	97	935556	9.78	
$ 9 Nitrobenzene-d5	82	6.333	6.333	0.0	91	517810	5.11	
$ 10 2-Fluorobiphenyl (Surr)	172	7.868	7.868	0.0	99	986123	5.00	
$ 11 2,4,6-Tribromophenol	330	9.109	9.114	-0.005	87	183513	9.91	
$ 12 Terphenyl-d14	244	11.045	11.045	0.0	99	1083033	5.91	
41 Phenol	94	5.504	5.498	0.006	56	14132	0.1410	
44 Bis(2-chloroethyl)ether	93		5.595					
46 2-Chlorophenol	128		5.648					9
47 1,3-Dichlorobenzene	146		5.793					9
48 1,4-Dichlorobenzene	146		5.857					9
49 Benzyl alcohol	108		5.958					
50 1,2-Dichlorobenzene	146		5.996					9
51 2-Methylphenol	108		6.049					
52 2,2'-oxybis[1-chloropropane]	45		6.076					
191 3 & 4 Methylphenol	108		6.178					
56 N-Nitrosodi-n-propylamine	70		6.188					
60 Hexachloroethane	117		6.301					9
61 Nitrobenzene	77		6.349					
63 Isophorone	82	6.552	6.552	0.0	80	15113	0.0990	
65 2-Nitrophenol	139		6.627					9
64 2,4-Dimethylphenol	107		6.643					9
69 Benzoic acid	122		6.707					
68 Bis(2-chloroethoxy)methane	93		6.729					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.830					9
72 1,2,4-Trichlorobenzene	180		6.905					
73 Naphthalene	128	6.975	6.980	-0.005	29	18478	0.0822	
74 4-Chloroaniline	127		7.012					
77 Hexachlorobutadiene	225		7.076					
84 4-Chloro-3-methylphenol	107		7.408					
85 2-Methylnaphthalene	142	7.568	7.568	0.0	74	11356	0.0770	
88 Hexachlorocyclopentadiene	237		7.697					
90 2,4,6-Trichlorophenol	196		7.798					9
91 2,4,5-Trichlorophenol	196		7.825					9
98 2-Chloronaphthalene	162		7.980					9
100 2-Nitroaniline	65		8.055					
103 Dimethyl phthalate	163		8.194					9
105 2,6-Dinitrotoluene	165		8.253					
107 Acenaphthylene	152		8.333					
108 3-Nitroaniline	138		8.397					9
110 Acenaphthene	153		8.478					9
109 2,4-Dinitrophenol	184		8.483					
111 4-Nitrophenol	109		8.515					
112 2,4-Dinitrotoluene	165		8.595					9
114 Dibenzofuran	168	8.622	8.622	0.0	73	11713	0.0563	
119 Diethyl phthalate	149		8.782					9
121 4-Chlorophenyl phenyl ether	204		8.900					9
123 4-Nitroaniline	138		8.911					9
124 Fluorene	166	8.911	8.911	0.0	71	8455	0.0510	
126 4,6-Dinitro-2-methylphenol	198		8.938					9
130 N-Nitrosodiphenylamine	169		8.996					
137 4-Bromophenyl phenyl ether	248		9.312					
139 Hexachlorobenzene	284		9.376					
141 Pentachlorophenol	266		9.531					
146 Phenanthrene	178	9.724	9.724	0.0	74	46778	0.2008	
147 Anthracene	178		9.772					
149 Carbazole	167		9.895					
151 Di-n-butyl phthalate	149	10.152	10.152	0.0	85	25382	0.1008	
157 Fluoranthene	202	10.729	10.729	0.0	89	29861	0.1168	
160 Pyrene	202	10.933	10.933	0.0	87	16233	0.0627	
166 Butyl benzyl phthalate	149		11.510					
173 3,3'-Dichlorobenzidine	252		12.141					
171 Bis(2-ethylhexyl) phthalate	149	12.158	12.163	-0.005	88	44200	0.4276	
175 Benzo[a]anthracene	228		12.195					
176 Chrysene	228		12.238					9
178 Di-n-octyl phthalate	149		13.045					
180 Benzo[b]fluoranthene	252		13.660					2
181 Benzo[k]fluoranthene	252		13.703					9
182 Benzo[a]pyrene	252		14.147					
186 Indeno[1,2,3-cd]pyrene	276		15.853					
187 Dibenz(a,h)anthracene	278		15.880					9
188 Benzo[g,h,i]perylene	276		16.281					

QC Flag Legend

Processing Flags
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

Report Date: 29-Dec-2012 12:38:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228012.D

Injection Date:	28-Dec-2012 14:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0050M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

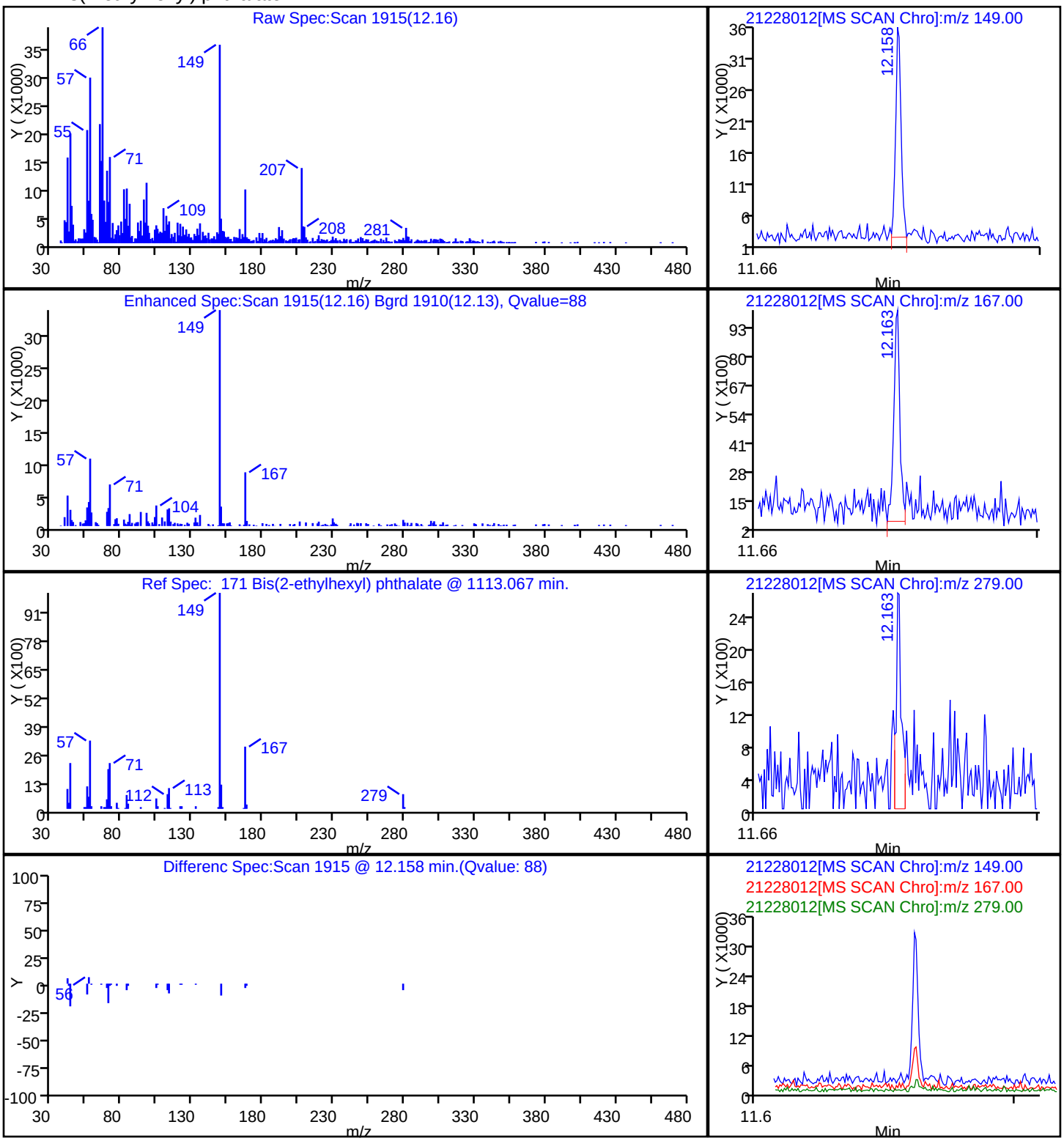
Report Date: 29-Dec-2012 12:38:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228012.D

Injection Date:	28-Dec-2012 14:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0050M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate



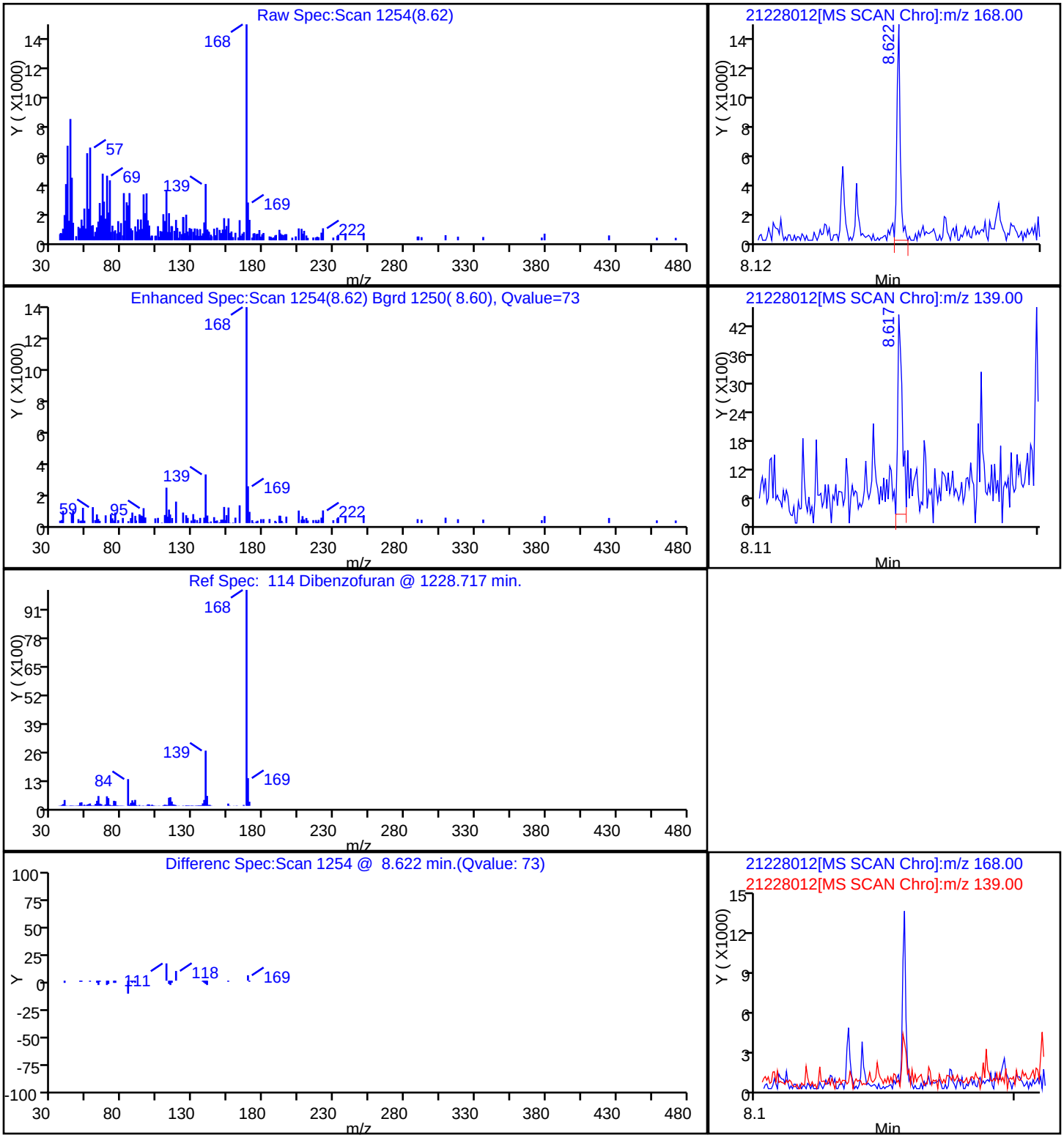
Report Date: 29-Dec-2012 12:38:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228012.D

Injection Date:	28-Dec-2012 14:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0050M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

114 Dibenzofuran



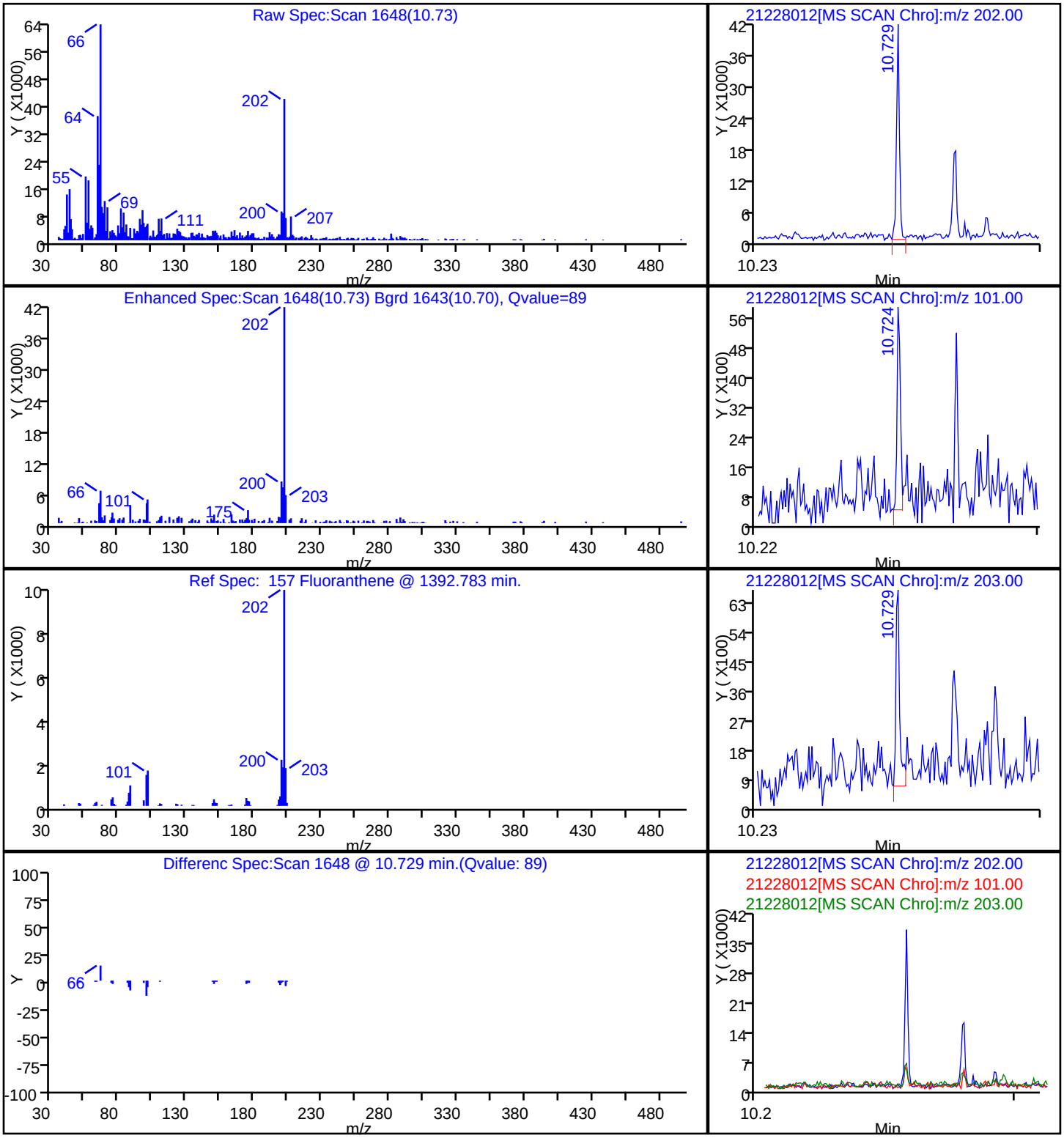
Report Date: 29-Dec-2012 12:38:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228012.D

Injection Date:	28-Dec-2012 14:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0050M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



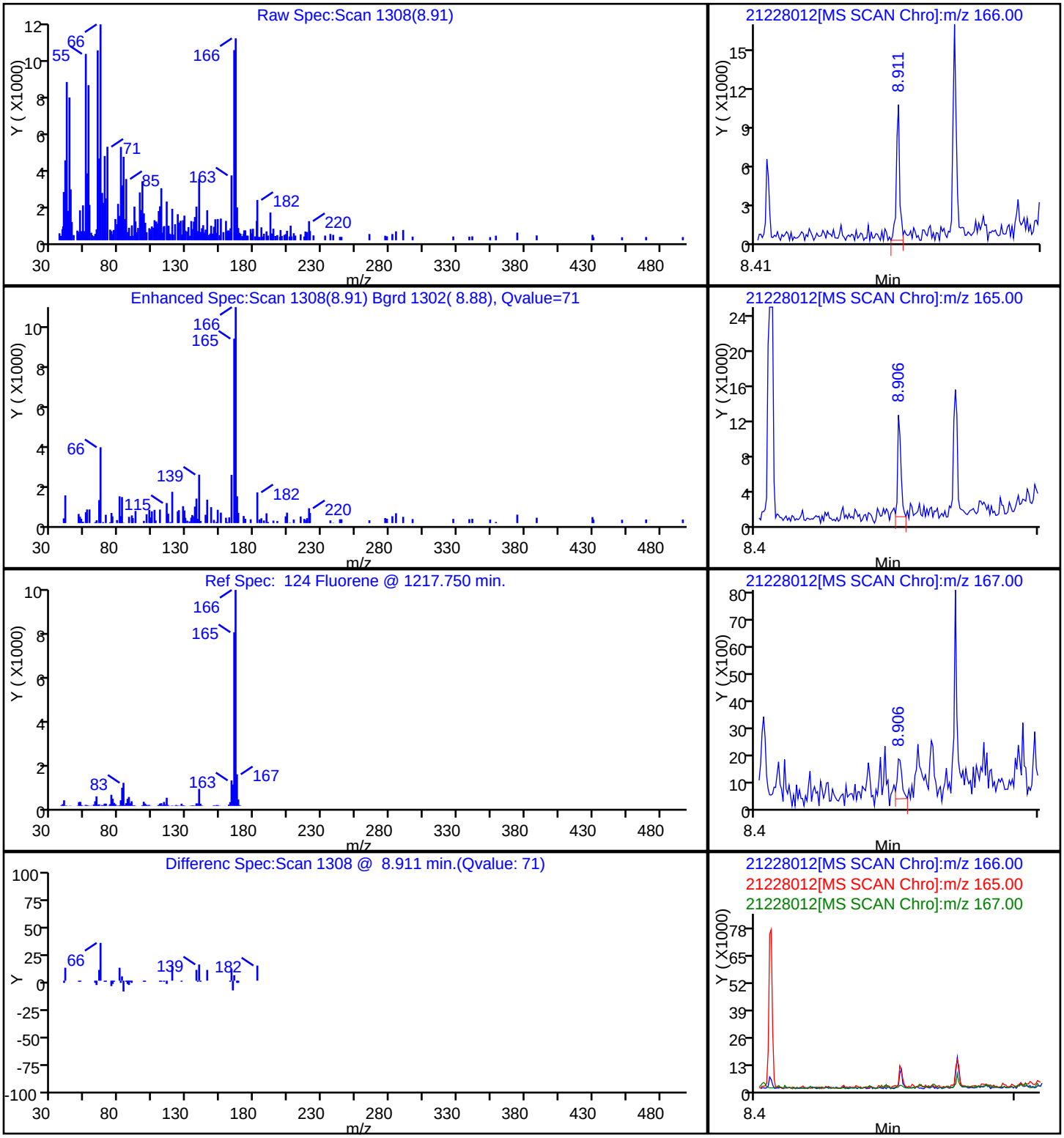
Report Date: 29-Dec-2012 12:38:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228012.D

Injection Date:	28-Dec-2012 14:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0050M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

124 Fluorene



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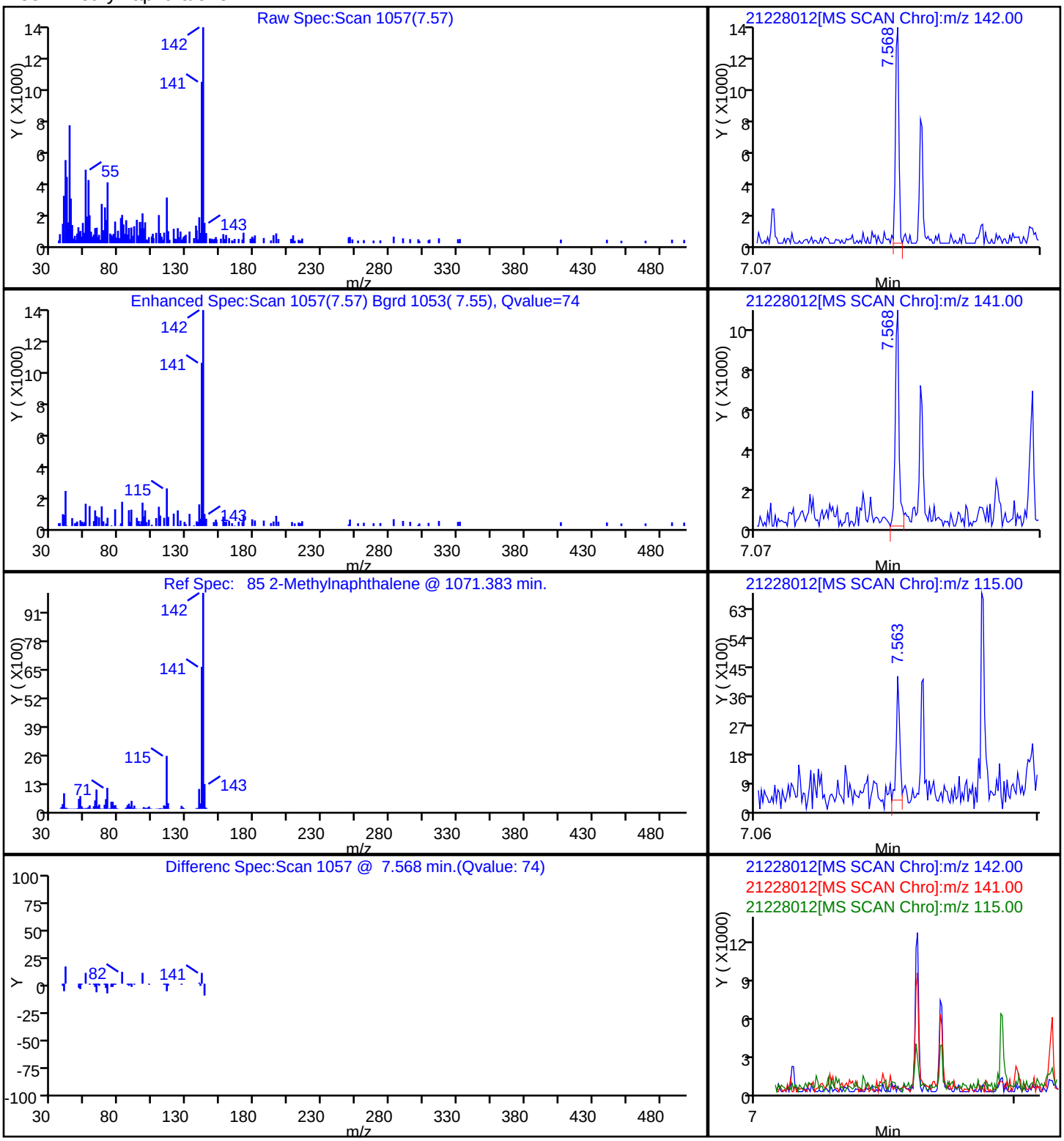
TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228012.D

Injection Date:	28-Dec-2012 14:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0050M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



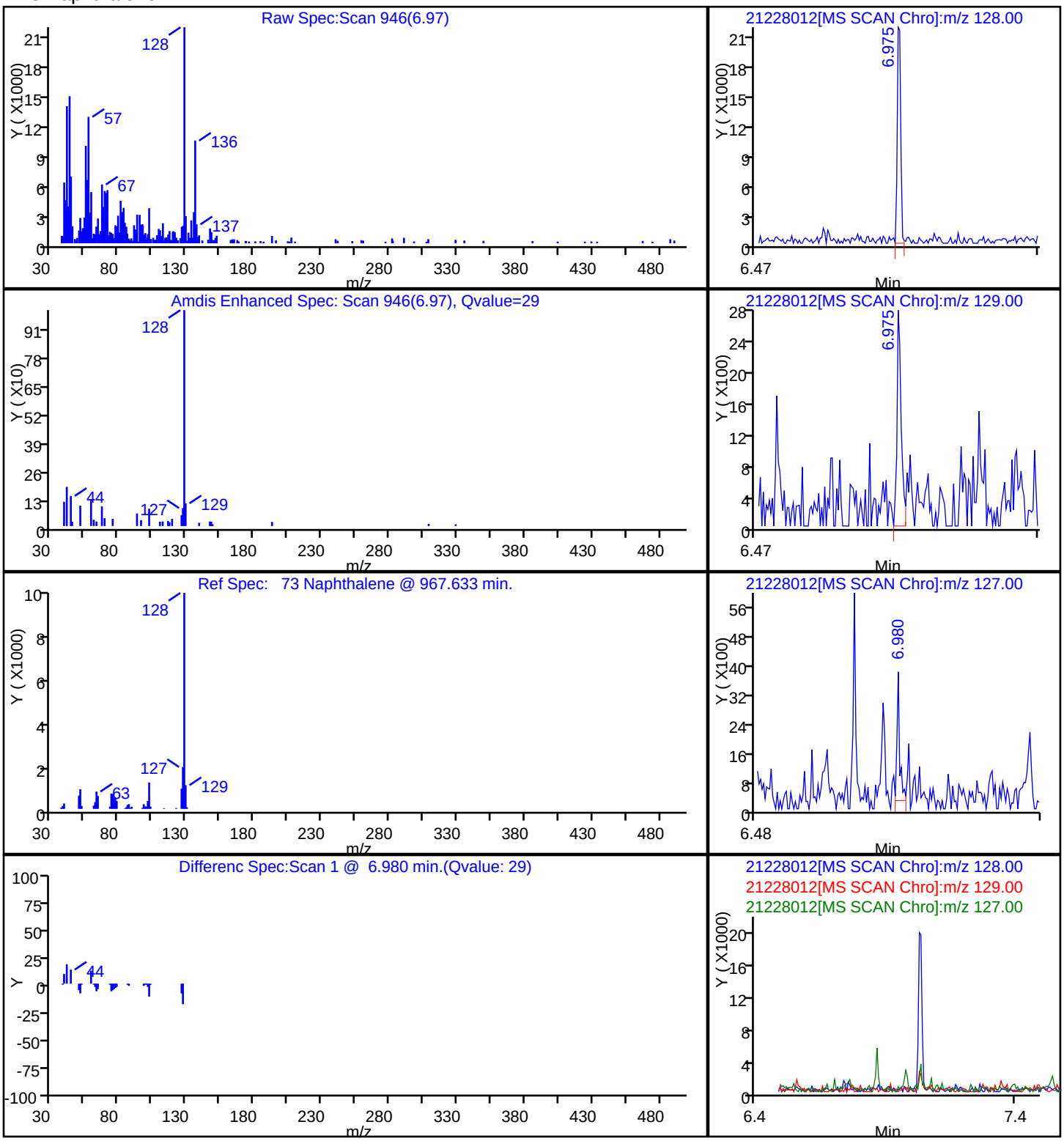
Report Date: 29-Dec-2012 12:38:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228012.D

Injection Date:	28-Dec-2012 14:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0050M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



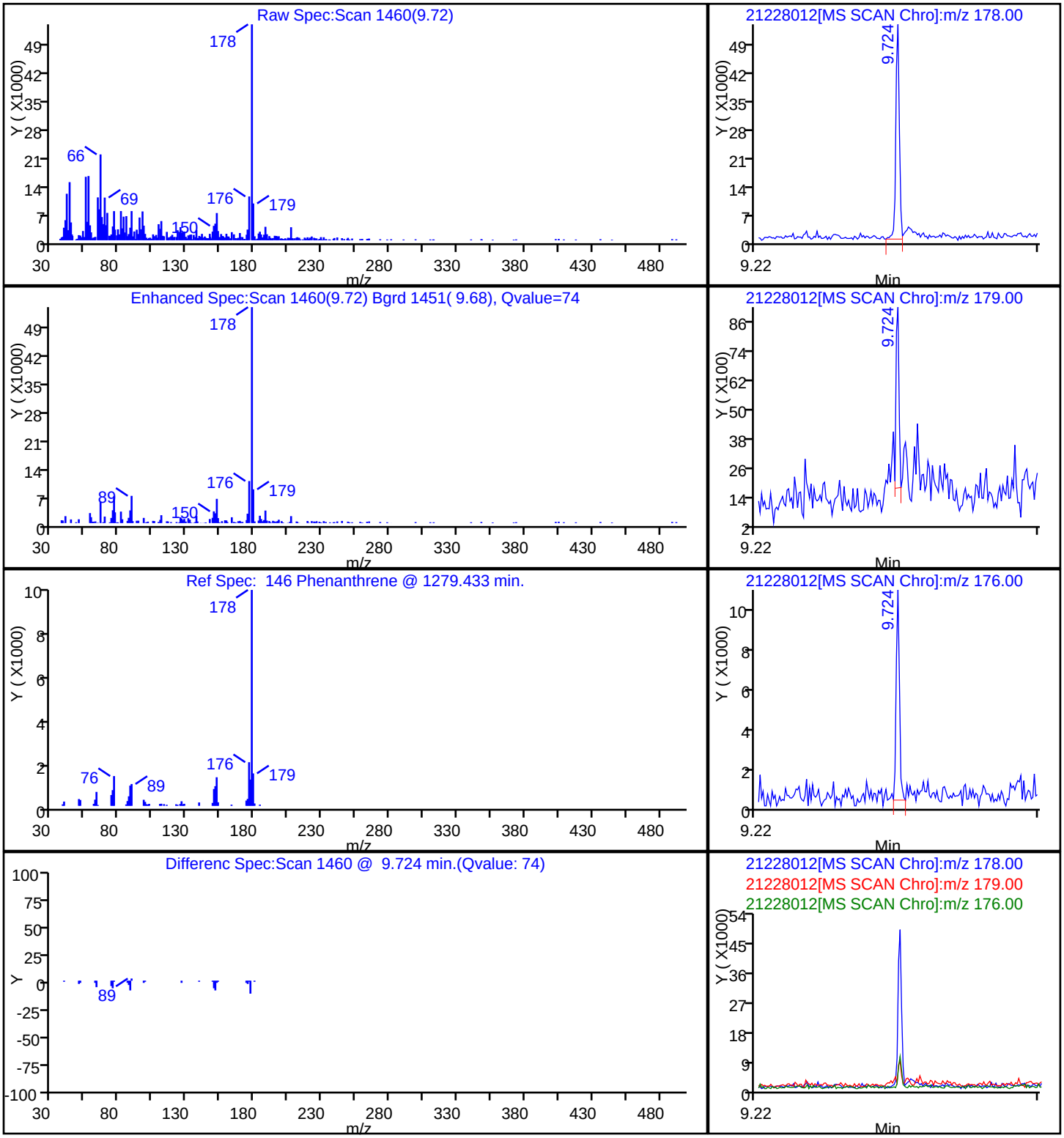
Report Date: 29-Dec-2012 12:38:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228012.D

Injection Date:	28-Dec-2012 14:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0050M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



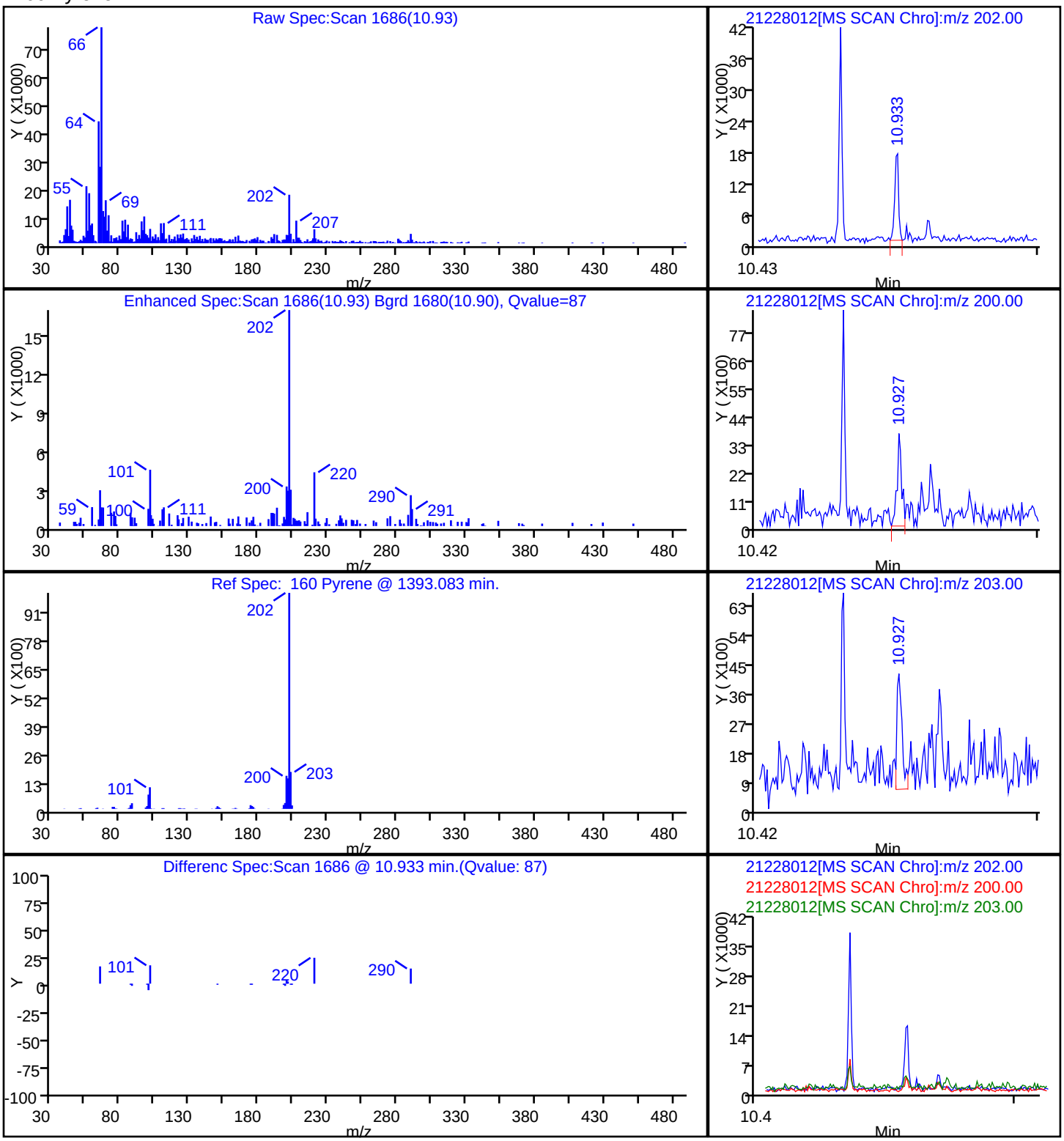
Report Date: 29-Dec-2012 12:38:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228012.D

Injection Date:	28-Dec-2012 14:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0050M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0051M-0001-SO | Lab Sample ID: 240-18581-20

Matrix: Solid | Lab File ID: 21226013.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 09:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.04(g) | Date Analyzed: 12/26/2012 13:32

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	33	U	67	33	33
208-96-8	Acenaphthylene	33	U	67	33	33
120-12-7	Anthracene	33	U	67	33	33
56-55-3	Benzo[a]anthracene	33	U	67	33	33
50-32-8	Benzo[a]pyrene	33	U	67	33	33
205-99-2	Benzo[b]fluoranthene	33	U	67	33	33
191-24-2	Benzo[g,h,i]perylene	33	U	67	33	33
65-85-0	Benzoic acid	3300	U	6600	3300	3300
207-08-9	Benzo[k]fluoranthene	33	U	67	33	33
100-51-6	Benzyl alcohol	270	U	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	270	U	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	33	U	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	270	U	1000	270	95
117-81-7	Bis(2-ethylhexyl) phthalate	270	U	500	270	190
101-55-3	4-Bromophenyl phenyl ether	270	U	500	270	130
85-68-7	Butyl benzyl phthalate	270	U	500	270	100
86-74-8	Carbazole	270	U	500	270	270
106-47-8	4-Chloroaniline	270	U	1500	270	170
59-50-7	4-Chloro-3-methylphenol	270	U	1500	270	210
91-58-7	2-Chloronaphthalene	33	U	500	33	33
95-57-8	2-Chlorophenol	270	U	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	270	U	500	270	130
218-01-9	Chrysene	33	U	67	33	11
53-70-3	Dibenz(a,h)anthracene	33	U	67	33	33
132-64-9	Dibenzofuran	33	U	500	33	33
95-50-1	1,2-Dichlorobenzene	270	U	500	270	97
541-73-1	1,3-Dichlorobenzene	270	U	500	270	110
106-46-7	1,4-Dichlorobenzene	270	U	500	270	200
91-94-1	3,3'-Dichlorobenzidine	800	U	1000	800	180
120-83-2	2,4-Dichlorophenol	270	U	1500	270	200
84-66-2	Diethyl phthalate	270	U	500	270	160
105-67-9	2,4-Dimethylphenol	800	U	1500	800	200
131-11-3	Dimethyl phthalate	270	U	500	270	170
84-74-2	Di-n-butyl phthalate	270	U	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0051M-0001-SO | Lab Sample ID: 240-18581-20

Matrix: Solid | Lab File ID: 21226013.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 09:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.04(g) | Date Analyzed: 12/26/2012 13:32

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	800	U	1500	800	800
51-28-5	2,4-Dinitrophenol	800	U	3300	800	800
121-14-2	2,4-Dinitrotoluene	270	U	2000	270	270
606-20-2	2,6-Dinitrotoluene	270	U	2000	270	210
117-84-0	Di-n-octyl phthalate	270	U	500	270	270
206-44-0	Fluoranthene	33	U	67	33	33
86-73-7	Fluorene	33	U	67	33	33
118-74-1	Hexachlorobenzene	33	U	67	33	21
87-68-3	Hexachlorobutadiene	270	U	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	270	U	500	270	90
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	67	33	33
78-59-1	Isophorone	270	U	500	270	130
91-57-6	2-Methylnaphthalene	33	U	67	33	33
95-48-7	2-Methylphenol	800	U	2000	800	800
15831-10-4	3 & 4 Methylphenol	800	U	4000	800	200
91-20-3	Naphthalene	33	U	67	33	33
88-74-4	2-Nitroaniline	270	U	2000	270	91
99-09-2	3-Nitroaniline	800	U	2000	800	160
100-01-6	4-Nitroaniline	270	U	2000	270	260
98-95-3	Nitrobenzene	33	U	1000	33	22
88-75-5	2-Nitrophenol	270	U	500	270	270
100-02-7	4-Nitrophenol	800	U	3300	800	800
621-64-7	N-Nitrosodi-n-propylamine	270	U	500	270	270
86-30-6	N-Nitrosodiphenylamine	270	U	500	270	210
87-86-5	Pentachlorophenol	800	U	1500	800	800
85-01-8	Phenanthrene	33	U	67	33	33
108-95-2	Phenol	270	U	500	270	270
129-00-0	Pyrene	33	U	67	33	33
120-82-1	1,2,4-Trichlorobenzene	270	U	500	270	270
95-95-4	2,4,5-Trichlorophenol	270	U	1500	270	250
88-06-2	2,4,6-Trichlorophenol	800	U	1500	800	800

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0051M-0001-SO | Lab Sample ID: 240-18581-20

Matrix: Solid | Lab File ID: 21226013.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 09:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.04(g) | Date Analyzed: 12/26/2012 13:32

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	44	Q	45-105
367-12-4	2-Fluorophenol (Surr)	55		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	39		35-100
4165-62-2	Phenol-d5 (Surr)	53		40-100
1718-51-0	Terphenyl-d14 (Surr)	53		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	48		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226013.D
Lims ID: 240-18581-B-20-C
Client ID: 070SB-0051M-0001-SO
Inject. Date: 26-Dec-2012 13:32:30
Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0016171-013
Misc. Info.: 240-18581-B-20-C
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 13
Lims Batch ID: 70078
Lims Sample ID: 13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\8270_hp7.m
Last Update: 27-Dec-2012 09:55:09
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: gruberj
Date: 26-Dec-2012 13:52:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.861	5.861	0.0	97	264310	4.00	
* 2 Naphthalene-d8	136	6.978	6.979	-0.001	99	1018019	4.00	
* 3 Acenaphthene-d10	164	8.465	8.471	-0.006	92	612376	4.00	
* 4 Phenanthrene-d10	188	9.722	9.722	0.0	99	997698	4.00	
* 5 Chrysene-d12	240	12.236	12.236	0.0	97	1025417	4.00	
* 6 Perylene-d12	264	14.274	14.274	0.0	96	853835	4.00	
$ 7 2-Fluorophenol	112	4.620	4.598	0.022	90	67024	0.8266	
$ 8 Phenol-d5	99	5.508	5.502	0.006	91	85478	0.7918	
$ 9 Nitrobenzene-d5	82	6.347	6.347	0.0	93	43838	0.3909	
$ 10 2-Fluorobiphenyl (Surr)	172	7.882	7.882	0.0	98	97047	0.4422	
$ 11 2,4,6-Tribromophenol	330	9.129	9.129	0.0	71	14786	0.7181	
$ 12 Terphenyl-d14	244	11.065	11.070	-0.005	95	111552	0.5317	
41 Phenol	94		5.513					9
44 Bis(2-chloroethyl)ether	93		5.615					
46 2-Chlorophenol	128		5.668					
47 1,3-Dichlorobenzene	146		5.813					9
48 1,4-Dichlorobenzene	146		5.877					9
49 Benzyl alcohol	108		5.973					9
50 1,2-Dichlorobenzene	146		6.010					
51 2-Methylphenol	108		6.064					9
52 2,2'-oxybis[1-chloropropane]	45		6.096					
191 3 & 4 Methylphenol	108		6.192					
56 N-Nitrosodi-n-propylamine	70		6.208					9
60 Hexachloroethane	117		6.315					9
61 Nitrobenzene	77		6.363					9
63 Isophorone	82	6.567	6.567	0.0	86	20100	0.1190	
65 2-Nitrophenol	139		6.642					9
64 2,4-Dimethylphenol	107		6.658					
69 Benzoic acid	122		6.722					9
68 Bis(2-chloroethoxy)methane	93		6.749					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.845					
72 1,2,4-Trichlorobenzene	180		6.925					
73 Naphthalene	128		6.995					9
74 4-Chloroaniline	127		7.032					9
77 Hexachlorobutadiene	225		7.091					
84 4-Chloro-3-methylphenol	107		7.422					
85 2-Methylnaphthalene	142		7.583					9
88 Hexachlorocyclopentadiene	237		7.711					
90 2,4,6-Trichlorophenol	196		7.813					
91 2,4,5-Trichlorophenol	196		7.840					
98 2-Chloronaphthalene	162		8.000					
100 2-Nitroaniline	65		8.070					9
103 Dimethyl phthalate	163		8.214					9
105 2,6-Dinitrotoluene	165		8.268					
107 Acenaphthylene	152		8.353					9
108 3-Nitroaniline	138		8.417					9
110 Acenaphthene	153		8.498					9
109 2,4-Dinitrophenol	184		8.503					
111 4-Nitrophenol	109		8.530					9
112 2,4-Dinitrotoluene	165		8.610					9
114 Dibenzofuran	168		8.642					
119 Diethyl phthalate	149		8.802					9
121 4-Chlorophenyl phenyl ether	204		8.915					9
123 4-Nitroaniline	138		8.931					
124 Fluorene	166		8.931					
126 4,6-Dinitro-2-methylphenol	198		8.952					
130 N-Nitrosodiphenylamine	169		9.011					
137 4-Bromophenyl phenyl ether	248		9.332					
139 Hexachlorobenzene	284		9.391					
141 Pentachlorophenol	266		9.551					9
146 Phenanthrene	178		9.744					
147 Anthracene	178		9.787					9
149 Carbazole	167		9.910					
151 Di-n-butyl phthalate	149		10.172					
157 Fluoranthene	202		10.749					9
160 Pyrene	202		10.953					
166 Butyl benzyl phthalate	149		11.536					
173 3,3'-Dichlorobenzidine	252		12.172					
171 Bis(2-ethylhexyl) phthalate	149	12.193	12.193	0.0	75	10346	0.1959	
175 Benzo[a]anthracene	228		12.226					9
176 Chrysene	228		12.268					
178 Di-n-octyl phthalate	149		13.087					
180 Benzo[b]fluoranthene	252		13.702					
181 Benzo[k]fluoranthene	252		13.745					9
182 Benzo[a]pyrene	252		14.194					
186 Indeno[1,2,3-cd]pyrene	276		15.905					
187 Dibenz(a,h)anthracene	278		15.932					
188 Benzo[g,h,i]perylene	276		16.339					9

QC Flag Legend

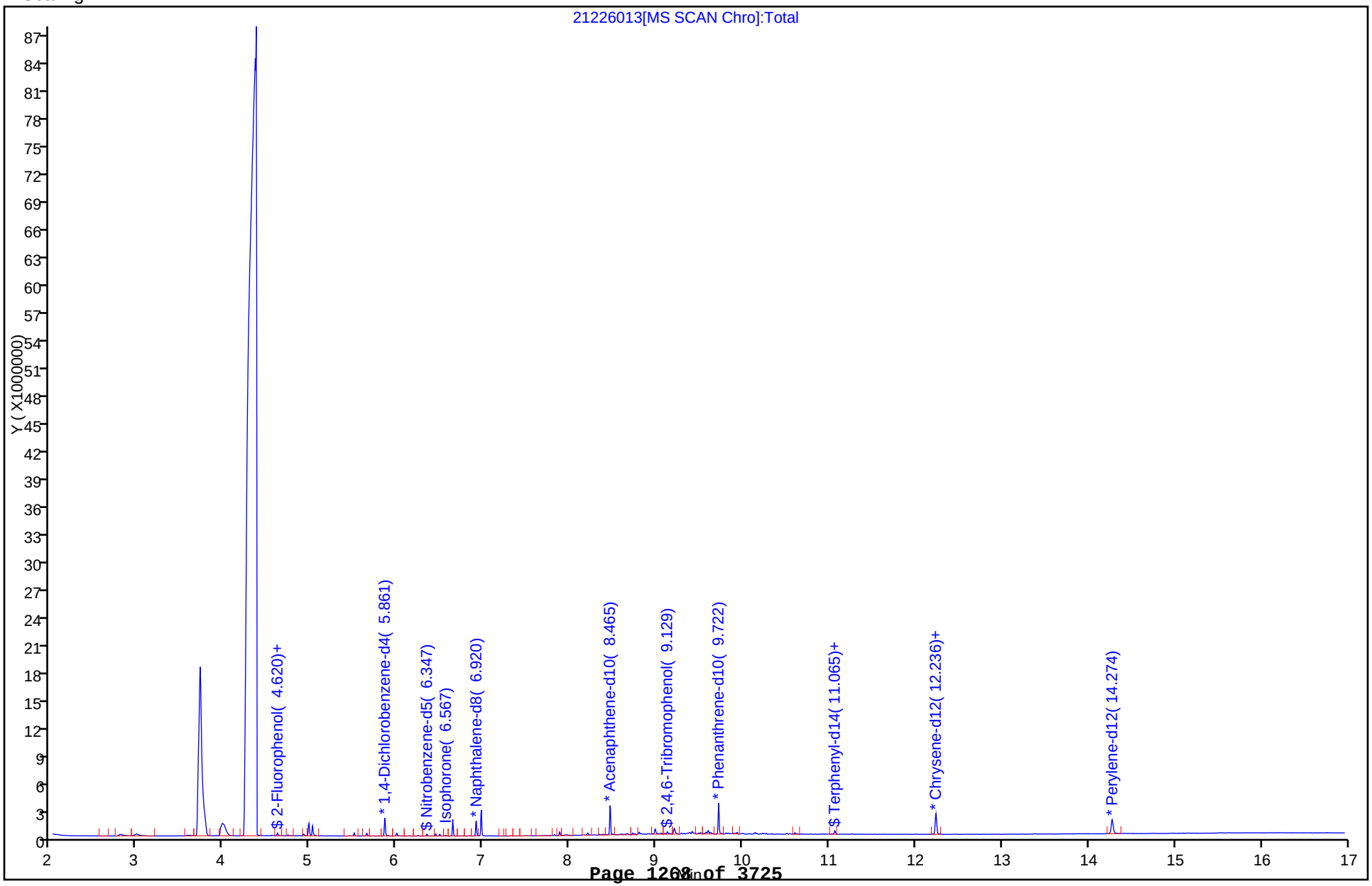
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 27-Dec-2012 09:55:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226013.D		
Injection Date:	26-Dec-2012 13:32:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0051M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	13
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0052M-0001-SO | Lab Sample ID: 240-18581-21

Matrix: Solid | Lab File ID: 21226008.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:00

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.13(g) | Date Analyzed: 12/26/2012 11:35

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	33	U	66	33	33
208-96-8	Acenaphthylene	33	U	66	33	33
120-12-7	Anthracene	33	U	66	33	33
56-55-3	Benzo[a]anthracene	33	U	66	33	33
50-32-8	Benzo[a]pyrene	33	U J	66	33	33
205-99-2	Benzo[b]fluoranthene	33	U	66	33	33
191-24-2	Benzo[g,h,i]perylene	33	U	66	33	33
65-85-0	Benzoic acid	3300	U	6600	3300	3300
207-08-9	Benzo[k]fluoranthene	33	U	66	33	33
100-51-6	Benzyl alcohol	270	U	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	270	U	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	33	U	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	270	U	1000	270	95
117-81-7	Bis(2-ethylhexyl) phthalate	270	U	500	270	190
101-55-3	4-Bromophenyl phenyl ether	270	U	500	270	130
85-68-7	Butyl benzyl phthalate	270	U	500	270	100
86-74-8	Carbazole	270	U	500	270	270
106-47-8	4-Chloroaniline	270	U	1500	270	170
59-50-7	4-Chloro-3-methylphenol	270	U	1500	270	210
91-58-7	2-Chloronaphthalene	33	U	500	33	33
95-57-8	2-Chlorophenol	270	U	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	270	U	500	270	130
218-01-9	Chrysene	33	U	66	33	11
53-70-3	Dibenz(a,h)anthracene	33	U	66	33	33
132-64-9	Dibenzofuran	33	U	500	33	33
95-50-1	1,2-Dichlorobenzene	270	U	500	270	97
541-73-1	1,3-Dichlorobenzene	270	U	500	270	110
106-46-7	1,4-Dichlorobenzene	270	U	500	270	200
91-94-1	3,3'-Dichlorobenzidine	800	U J	1000	800	180
120-83-2	2,4-Dichlorophenol	270	U	1500	270	200
84-66-2	Diethyl phthalate	270	U	500	270	160
105-67-9	2,4-Dimethylphenol	800	U	1500	800	200
131-11-3	Dimethyl phthalate	270	U	500	270	170
84-74-2	Di-n-butyl phthalate	270	U	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0052M-0001-SO | Lab Sample ID: 240-18581-21

Matrix: Solid | Lab File ID: 21226008.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:00

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.13(g) | Date Analyzed: 12/26/2012 11:35

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	800	U	1500	800	800
51-28-5	2,4-Dinitrophenol	800	U J	3300	800	800
121-14-2	2,4-Dinitrotoluene	270	U	2000	270	270
606-20-2	2,6-Dinitrotoluene	270	U	2000	270	210
117-84-0	Di-n-octyl phthalate	270	U	500	270	270
206-44-0	Fluoranthene	33	U	66	33	33
86-73-7	Fluorene	33	U	66	33	33
118-74-1	Hexachlorobenzene	33	U	66	33	21
87-68-3	Hexachlorobutadiene	270	U	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	270	U	500	270	90
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	66	33	33
78-59-1	Isophorone	270	U	500	270	130
91-57-6	2-Methylnaphthalene	33	U	66	33	33
95-48-7	2-Methylphenol	800	U	2000	800	800
15831-10-4	3 & 4 Methylphenol	800	U	4000	800	200
91-20-3	Naphthalene	33	U	66	33	33
88-74-4	2-Nitroaniline	270	U	2000	270	91
99-09-2	3-Nitroaniline	800	U	2000	800	160
100-01-6	4-Nitroaniline	270	U	2000	270	260
98-95-3	Nitrobenzene	33	U	1000	33	22
88-75-5	2-Nitrophenol	270	U	500	270	270
100-02-7	4-Nitrophenol	800	U	3300	800	800
621-64-7	N-Nitrosodi-n-propylamine	270	U	500	270	270
86-30-6	N-Nitrosodiphenylamine	270	U	500	270	210
87-86-5	Pentachlorophenol	800	U	1500	800	800
85-01-8	Phenanthrene	33	U	66	33	33
108-95-2	Phenol	270	U	500	270	270
129-00-0	Pyrene	33	U	66	33	33
120-82-1	1,2,4-Trichlorobenzene	270	U	500	270	270
95-95-4	2,4,5-Trichlorophenol	270	U	1500	270	250
88-06-2	2,4,6-Trichlorophenol	800	U	1500	800	800

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0052M-0001-SO | Lab Sample ID: 240-18581-21

Matrix: Solid | Lab File ID: 21226008.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:00

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.13(g) | Date Analyzed: 12/26/2012 11:35

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	50		45-105
367-12-4	2-Fluorophenol (Surr)	62		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	46		35-100
4165-62-2	Phenol-d5 (Surr)	59		40-100
1718-51-0	Terphenyl-d14 (Surr)	60		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	34	Q	35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226008.D		
Lims ID:	240-18581-B-21-C	Client ID:	070SB-0052M-0001-SO
Inject. Date:	26-Dec-2012 11:35:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	240-0016171-008		
Misc. Info.:	240-18581-B-21-C		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	70078	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\8270_hp7.m		
Last Update:	27-Dec-2012 09:55:09	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK036		

First Level Reviewer: gruberj Date: 26-Dec-2012 13:09:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.860	5.861	-0.001	96	246341	4.00	
* 2 Naphthalene-d8	136	6.978	6.979	-0.001	100	947197	4.00	
* 3 Acenaphthene-d10	164	8.471	8.471	0.0	92	559028	4.00	
* 4 Phenanthrene-d10	188	9.722	9.722	0.0	98	899868	4.00	
* 5 Chrysene-d12	240	12.236	12.236	0.0	98	908824	4.00	
* 6 Perylene-d12	264	14.274	14.274	0.0	96	714609	4.00	
$ 7 2-Fluorophenol	112	4.620	4.598	0.022	87	70070	0.9272	
$ 8 Phenol-d5	99	5.507	5.502	0.005	84	89477	0.8893	
$ 9 Nitrobenzene-d5	82	6.347	6.347	0.0	91	48138	0.4614	
$ 10 2-Fluorobiphenyl (Surr)	172	7.882	7.882	0.0	99	100083	0.4996	
$ 11 2,4,6-Tribromophenol	330	9.134	9.129	0.005	75	9646	0.5132	
$ 12 Terphenyl-d14	244	11.065	11.070	-0.005	96	111021	0.5971	
41 Phenol	94		5.513					9
44 Bis(2-chloroethyl)ether	93		5.615					
46 2-Chlorophenol	128		5.668					9
47 1,3-Dichlorobenzene	146		5.813					9
48 1,4-Dichlorobenzene	146		5.877					9
49 Benzyl alcohol	108		5.973					9
50 1,2-Dichlorobenzene	146		6.010					
51 2-Methylphenol	108		6.064					9
52 2,2'-oxybis[1-chloropropane]	45		6.096					9
191 3 & 4 Methylphenol	108		6.192					
56 N-Nitrosodi-n-propylamine	70		6.208					9
60 Hexachloroethane	117		6.315					9
61 Nitrobenzene	77		6.363					9
63 Isophorone	82		6.567					9
65 2-Nitrophenol	139		6.642					
64 2,4-Dimethylphenol	107		6.658					
69 Benzoic acid	122		6.722					
68 Bis(2-chloroethoxy)methane	93		6.749					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.845					
72 1,2,4-Trichlorobenzene	180		6.925					
73 Naphthalene	128		6.995					9
74 4-Chloroaniline	127		7.032					9
77 Hexachlorobutadiene	225		7.091					
84 4-Chloro-3-methylphenol	107		7.422					
85 2-Methylnaphthalene	142		7.583					9
88 Hexachlorocyclopentadiene	237		7.711					
90 2,4,6-Trichlorophenol	196		7.813					
91 2,4,5-Trichlorophenol	196		7.840					
98 2-Chloronaphthalene	162		8.000					
100 2-Nitroaniline	65		8.070					9
103 Dimethyl phthalate	163		8.214					9
105 2,6-Dinitrotoluene	165		8.268					9
107 Acenaphthylene	152		8.353					
108 3-Nitroaniline	138		8.417					
110 Acenaphthene	153		8.498					
109 2,4-Dinitrophenol	184		8.503					
111 4-Nitrophenol	109		8.530					9
112 2,4-Dinitrotoluene	165		8.610					
114 Dibenzofuran	168		8.642					9
119 Diethyl phthalate	149		8.802					9
121 4-Chlorophenyl phenyl ether	204		8.915					
123 4-Nitroaniline	138		8.931					
124 Fluorene	166		8.931					9
126 4,6-Dinitro-2-methylphenol	198		8.952					
130 N-Nitrosodiphenylamine	169		9.011					
137 4-Bromophenyl phenyl ether	248		9.332					
139 Hexachlorobenzene	284		9.391					
141 Pentachlorophenol	266		9.551					
146 Phenanthrene	178		9.744					9
147 Anthracene	178		9.787					9
149 Carbazole	167		9.910					
151 Di-n-butyl phthalate	149		10.172					9
157 Fluoranthene	202		10.749					9
160 Pyrene	202		10.953					9
166 Butyl benzyl phthalate	149		11.536					9
173 3,3'-Dichlorobenzidine	252		12.172					
171 Bis(2-ethylhexyl) phthalate	149		12.193					9
175 Benzo[a]anthracene	228		12.226					9
176 Chrysene	228		12.268					9
178 Di-n-octyl phthalate	149		13.087					
180 Benzo[b]fluoranthene	252		13.702					9
181 Benzo[k]fluoranthene	252		13.745					9
182 Benzo[a]pyrene	252		14.194					
186 Indeno[1,2,3-cd]pyrene	276		15.905					
187 Dibenz(a,h)anthracene	278		15.932					9
188 Benzo[g,h,i]perylene	276		16.339					

QC Flag Legend

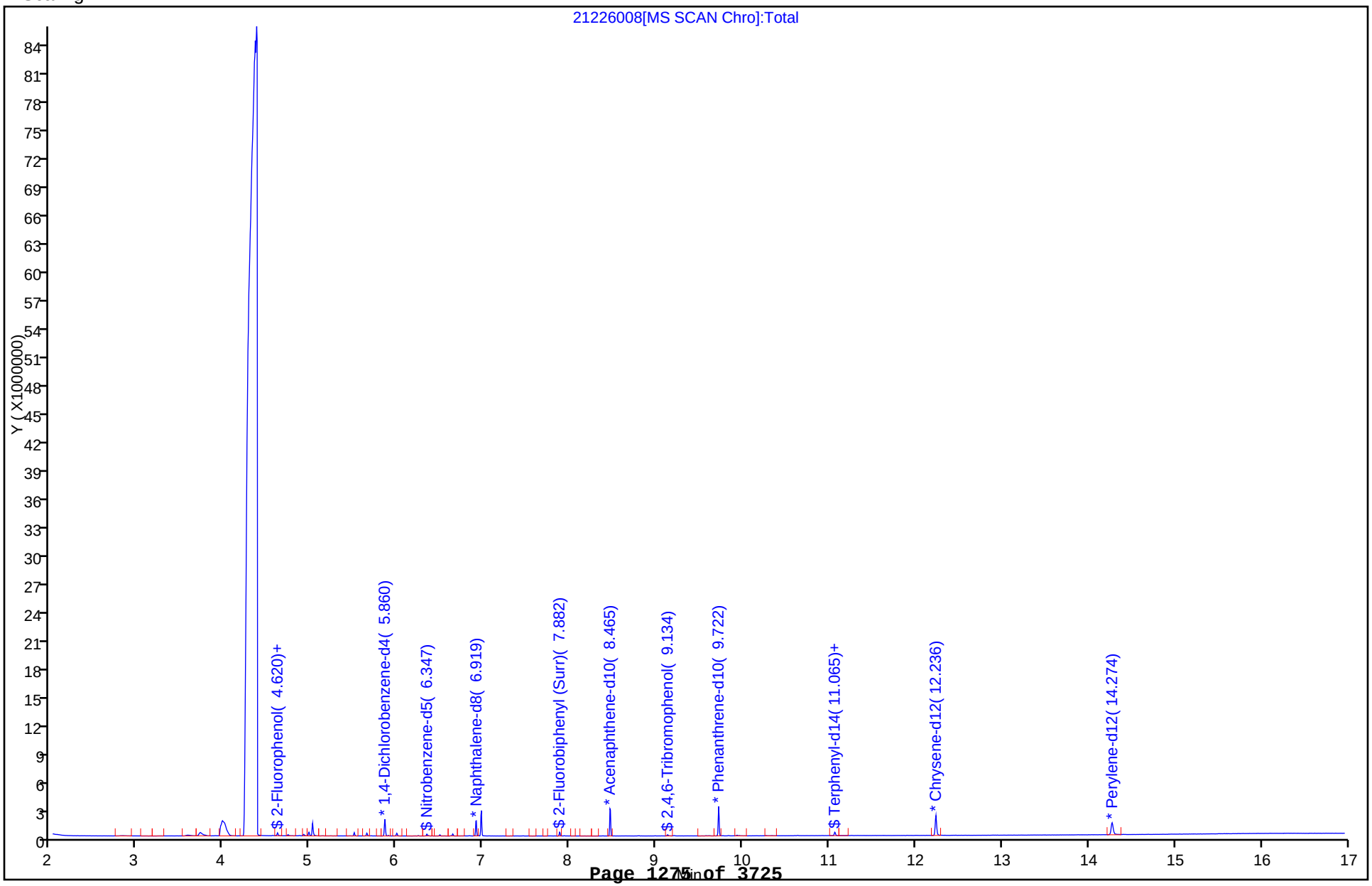
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 27-Dec-2012 09:55:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226008.D		
Injection Date:	26-Dec-2012 11:35:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0052M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0053M-0001-SO | Lab Sample ID: 240-18581-22

Matrix: Solid | Lab File ID: 21226011.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:18

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 29.96(g) | Date Analyzed: 12/26/2012 12:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 4

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	13	U	27	13	13
208-96-8	Acenaphthylene	13	U	27	13	13
120-12-7	Anthracene	13	U	27	13	13
56-55-3	Benzo[a]anthracene	13	U	27	13	13
50-32-8	Benzo[a]pyrene	13	U	27	13	13
205-99-2	Benzo[b]fluoranthene	13	U	27	13	13
191-24-2	Benzo[g,h,i]perylene	13	U	27	13	13
65-85-0	Benzoic acid	1300	U	2600	1300	1300
207-08-9	Benzo[k]fluoranthene	13	U	27	13	13
100-51-6	Benzyl alcohol	110	U	1300	110	84
111-91-1	Bis(2-chloroethoxy)methane	110	U	400	110	88
111-44-4	Bis(2-chloroethyl)ether	13	U	400	13	8.0
108-60-1	bis (2-chloroisopropyl) ether	110	U	400	110	38
117-81-7	Bis(2-ethylhexyl) phthalate	110	U	200	110	76
101-55-3	4-Bromophenyl phenyl ether	110	U	200	110	52
85-68-7	Butyl benzyl phthalate	110	U	200	110	40
86-74-8	Carbazole	110	U	200	110	110
106-47-8	4-Chloroaniline	110	U	600	110	68
59-50-7	4-Chloro-3-methylphenol	110	U	600	110	84
91-58-7	2-Chloronaphthalene	13	U	200	13	13
95-57-8	2-Chlorophenol	110	U	200	110	110
7005-72-3	4-Chlorophenyl phenyl ether	110	U	200	110	52
218-01-9	Chrysene	13	U	27	13	4.4
53-70-3	Dibenz(a,h)anthracene	13	U	27	13	13
132-64-9	Dibenzofuran	13	U	200	13	13
95-50-1	1,2-Dichlorobenzene	110	U	200	110	39
541-73-1	1,3-Dichlorobenzene	110	U	200	110	44
106-46-7	1,4-Dichlorobenzene	110	U	200	110	80
91-94-1	3,3'-Dichlorobenzidine	320	U	400	320	72
120-83-2	2,4-Dichlorophenol	110	U	600	110	80
84-66-2	Diethyl phthalate	110	U	200	110	64
105-67-9	2,4-Dimethylphenol	320	U	600	320	80
131-11-3	Dimethyl phthalate	110	U	200	110	68
84-74-2	Di-n-butyl phthalate	110	U	200	110	60

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0053M-0001-SO | Lab Sample ID: 240-18581-22

Matrix: Solid | Lab File ID: 21226011.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:18

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 29.96(g) | Date Analyzed: 12/26/2012 12:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 4

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	320	U	600	320	320
51-28-5	2,4-Dinitrophenol	320	U	1300	320	320
121-14-2	2,4-Dinitrotoluene	110	U	800	110	110
606-20-2	2,6-Dinitrotoluene	110	U	800	110	84
117-84-0	Di-n-octyl phthalate	110	U	200	110	110
206-44-0	Fluoranthene	13	U	27	13	13
86-73-7	Fluorene	13	U	27	13	13
118-74-1	Hexachlorobenzene	13	U	27	13	8.4
87-68-3	Hexachlorobutadiene	110	U	200	110	110
77-47-4	Hexachlorocyclopentadiene	110	U	1300	110	110
67-72-1	Hexachloroethane	110	U	200	110	36
193-39-5	Indeno[1,2,3-cd]pyrene	13	U	27	13	13
78-59-1	Isophorone	110	U	200	110	52
91-57-6	2-Methylnaphthalene	13	U	27	13	13
95-48-7	2-Methylphenol	320	U	800	320	320
15831-10-4	3 & 4 Methylphenol	320	U	1600	320	80
91-20-3	Naphthalene	13	U	27	13	13
88-74-4	2-Nitroaniline	110	U	800	110	36
99-09-2	3-Nitroaniline	320	U	800	320	64
100-01-6	4-Nitroaniline	110	U	800	110	100
98-95-3	Nitrobenzene	13	U	400	13	8.8
88-75-5	2-Nitrophenol	110	U	200	110	110
100-02-7	4-Nitrophenol	320	U	1300	320	320
621-64-7	N-Nitrosodi-n-propylamine	110	U	200	110	110
86-30-6	N-Nitrosodiphenylamine	110	U	200	110	84
87-86-5	Pentachlorophenol	320	U	600	320	320
85-01-8	Phenanthrene	13	U	27	13	13
108-95-2	Phenol	110	U	200	110	110
129-00-0	Pyrene	13	U	27	13	13
120-82-1	1,2,4-Trichlorobenzene	110	U	200	110	110
95-95-4	2,4,5-Trichlorophenol	110	U	600	110	100
88-06-2	2,4,6-Trichlorophenol	320	U	600	320	320

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0053M-0001-SO | Lab Sample ID: 240-18581-22

Matrix: Solid | Lab File ID: 21226011.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:18

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 29.96(g) | Date Analyzed: 12/26/2012 12:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 4

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	47		45-105
367-12-4	2-Fluorophenol (Surr)	59		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	39		35-100
4165-62-2	Phenol-d5 (Surr)	57		40-100
1718-51-0	Terphenyl-d14 (Surr)	53		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	43		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226011.D
Lims ID: 240-18581-B-22-C
Client ID: 070SB-0053M-0001-SO
Inject. Date: 26-Dec-2012 12:45:30
Dil. Factor: 4.0000
Sample Type: Client
Sample ID: 240-0016171-011
Misc. Info.: 240-18581-B-22-C
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 11
Lims Batch ID: 70078
Lims Sample ID: 11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\8270_hp7.m
Last Update: 27-Dec-2012 09:55:09
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: gruberj
Date: 26-Dec-2012 13:14:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.866	5.861	0.005	93	260259	4.00	
* 2 Naphthalene-d8	136	6.978	6.979	-0.001	100	1036743	4.00	
* 3 Acenaphthene-d10	164	8.465	8.471	-0.006	87	614158	4.00	
* 4 Phenanthrene-d10	188	9.722	9.722	0.0	98	976639	4.00	
* 5 Chrysene-d12	240	12.236	12.236	0.0	98	1004941	4.00	
* 6 Perylene-d12	264	14.274	14.274	0.0	92	786768	4.00	
$ 7 2-Fluorophenol	112	4.646	4.598	0.048	91	175876	2.20	
$ 8 Phenol-d5	99	5.508	5.502	0.006	97	226324	2.13	
$ 9 Nitrobenzene-d5	82	6.347	6.347	0.0	93	111889	0.9797	
$ 10 2-Fluorobiphenyl (Surr)	172	7.882	7.882	0.0	99	257197	1.17	
$ 11 2,4,6-Tribromophenol	330	9.129	9.129	0.0	82	33357	1.62	
$ 12 Terphenyl-d14	244	11.065	11.070	-0.005	97	270497	1.32	
41 Phenol	94		5.513					9
44 Bis(2-chloroethyl)ether	93		5.615					9
46 2-Chlorophenol	128		5.668					
47 1,3-Dichlorobenzene	146		5.813					9
48 1,4-Dichlorobenzene	146		5.877					9
49 Benzyl alcohol	108		5.973					9
50 1,2-Dichlorobenzene	146		6.010					
51 2-Methylphenol	108		6.064					9
52 2,2'-oxybis[1-chloropropane]	45		6.096					
191 3 & 4 Methylphenol	108		6.192					
56 N-Nitrosodi-n-propylamine	70		6.208					9
60 Hexachloroethane	117		6.315					
61 Nitrobenzene	77		6.363					9
63 Isophorone	82		6.567					
65 2-Nitrophenol	139		6.642					9
64 2,4-Dimethylphenol	107		6.658					
69 Benzoic acid	122		6.722					
68 Bis(2-chloroethoxy)methane	93		6.749					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.845					
72 1,2,4-Trichlorobenzene	180		6.925					
73 Naphthalene	128		6.995					
74 4-Chloroaniline	127		7.032					9
77 Hexachlorobutadiene	225		7.091					
84 4-Chloro-3-methylphenol	107		7.422					
85 2-Methylnaphthalene	142		7.583					
88 Hexachlorocyclopentadiene	237		7.711					
90 2,4,6-Trichlorophenol	196		7.813					
91 2,4,5-Trichlorophenol	196		7.840					
98 2-Chloronaphthalene	162		8.000					
100 2-Nitroaniline	65		8.070					9
103 Dimethyl phthalate	163		8.214					9
105 2,6-Dinitrotoluene	165		8.268					
107 Acenaphthylene	152		8.353					9
108 3-Nitroaniline	138		8.417					
110 Acenaphthene	153		8.498					9
109 2,4-Dinitrophenol	184		8.503					
111 4-Nitrophenol	109		8.530					9
112 2,4-Dinitrotoluene	165		8.610					
114 Dibenzofuran	168		8.642					9
119 Diethyl phthalate	149		8.802					9
121 4-Chlorophenyl phenyl ether	204		8.915					
123 4-Nitroaniline	138		8.931					
124 Fluorene	166		8.931					9
126 4,6-Dinitro-2-methylphenol	198		8.952					
130 N-Nitrosodiphenylamine	169		9.011					
137 4-Bromophenyl phenyl ether	248		9.332					
139 Hexachlorobenzene	284		9.391					
141 Pentachlorophenol	266		9.551					
146 Phenanthrene	178		9.744					9
147 Anthracene	178		9.787					9
149 Carbazole	167		9.910					9
151 Di-n-butyl phthalate	149		10.172					
157 Fluoranthene	202		10.749					
160 Pyrene	202		10.953					9
166 Butyl benzyl phthalate	149		11.536					9
173 3,3'-Dichlorobenzidine	252		12.172					
171 Bis(2-ethylhexyl) phthalate	149	12.193	12.193	0.0	81	18772	0.2466	
175 Benzo[a]anthracene	228		12.226					9
176 Chrysene	228		12.268					9
178 Di-n-octyl phthalate	149		13.087					9
180 Benzo[b]fluoranthene	252		13.702					9
181 Benzo[k]fluoranthene	252		13.745					9
182 Benzo[a]pyrene	252		14.194					9
186 Indeno[1,2,3-cd]pyrene	276		15.905					
187 Dibenz(a,h)anthracene	278		15.932					
188 Benzo[g,h,i]perylene	276		16.339					

QC Flag Legend

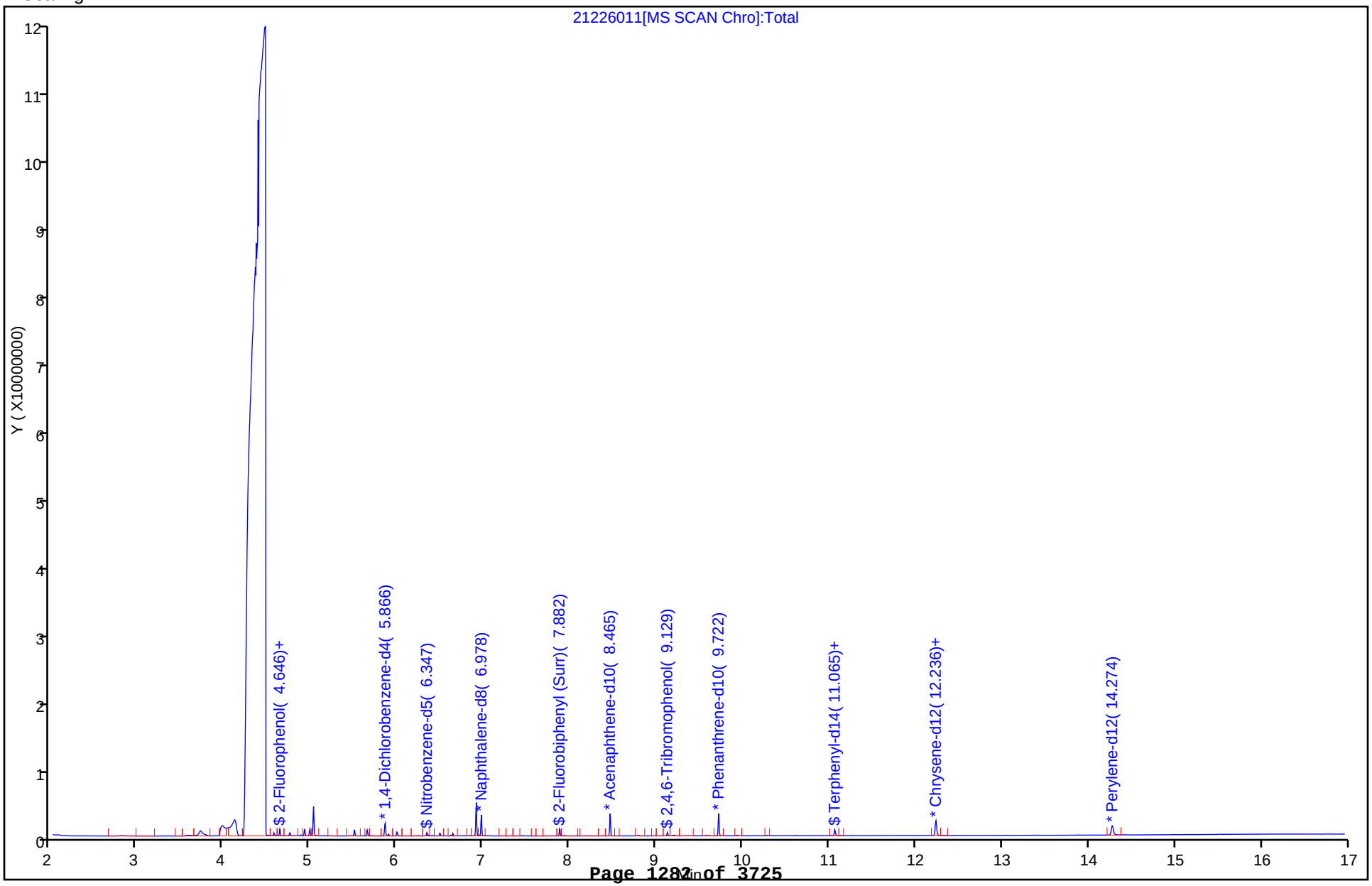
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 27-Dec-2012 09:55:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226011.D		
Injection Date:	26-Dec-2012 12:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0053M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0054M-0001-SO | Lab Sample ID: 240-18581-23

Matrix: Solid | Lab File ID: 21226012.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:25

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.30(g) | Date Analyzed: 12/26/2012 13:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 4

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	13	U	26	13	13
208-96-8	Acenaphthylene	13	U	26	13	13
120-12-7	Anthracene	13	U	26	13	13
56-55-3	Benzo[a]anthracene	13	U	26	13	13
50-32-8	Benzo[a]pyrene	13	U	26	13	13
205-99-2	Benzo[b]fluoranthene	13	U	26	13	13
191-24-2	Benzo[g,h,i]perylene	13	U	26	13	13
65-85-0	Benzoic acid	1300	U	2600	1300	1300
207-08-9	Benzo[k]fluoranthene	13	U	26	13	13
100-51-6	Benzyl alcohol	110	U	1300	110	83
111-91-1	Bis(2-chloroethoxy)methane	110	U	400	110	87
111-44-4	Bis(2-chloroethyl)ether	13	U	400	13	7.9
108-60-1	bis (2-chloroisopropyl) ether	110	U	400	110	38
117-81-7	Bis(2-ethylhexyl) phthalate	110	U	200	110	75
101-55-3	4-Bromophenyl phenyl ether	110	U	200	110	51
85-68-7	Butyl benzyl phthalate	110	U	200	110	40
86-74-8	Carbazole	110	U	200	110	110
106-47-8	4-Chloroaniline	110	U	590	110	67
59-50-7	4-Chloro-3-methylphenol	110	U	590	110	83
91-58-7	2-Chloronaphthalene	13	U	200	13	13
95-57-8	2-Chlorophenol	110	U	200	110	110
7005-72-3	4-Chlorophenyl phenyl ether	110	U	200	110	51
218-01-9	Chrysene	13	U	26	13	4.4
53-70-3	Dibenz(a,h)anthracene	13	U	26	13	13
132-64-9	Dibenzofuran	13	U	200	13	13
95-50-1	1,2-Dichlorobenzene	110	U	200	110	38
541-73-1	1,3-Dichlorobenzene	110	U	200	110	44
106-46-7	1,4-Dichlorobenzene	110	U	200	110	79
91-94-1	3,3'-Dichlorobenzidine	320	U	400	320	71
120-83-2	2,4-Dichlorophenol	110	U	590	110	79
84-66-2	Diethyl phthalate	110	U	200	110	63
105-67-9	2,4-Dimethylphenol	320	U	590	320	79
131-11-3	Dimethyl phthalate	110	U	200	110	67
84-74-2	Di-n-butyl phthalate	110	U	200	110	59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0054M-0001-SO | Lab Sample ID: 240-18581-23

Matrix: Solid | Lab File ID: 21226012.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:25

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.30(g) | Date Analyzed: 12/26/2012 13:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 4

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	320	U	590	320	320
51-28-5	2,4-Dinitrophenol	320	U	1300	320	320
121-14-2	2,4-Dinitrotoluene	110	U	790	110	110
606-20-2	2,6-Dinitrotoluene	110	U	790	110	83
117-84-0	Di-n-octyl phthalate	110	U	200	110	110
206-44-0	Fluoranthene	13	U	26	13	13
86-73-7	Fluorene	13	U	26	13	13
118-74-1	Hexachlorobenzene	13	U	26	13	8.3
87-68-3	Hexachlorobutadiene	110	U	200	110	110
77-47-4	Hexachlorocyclopentadiene	110	U	1300	110	110
67-72-1	Hexachloroethane	110	U	200	110	36
193-39-5	Indeno[1,2,3-cd]pyrene	13	U	26	13	13
78-59-1	Isophorone	110	U	200	110	51
91-57-6	2-Methylnaphthalene	13	U	26	13	13
95-48-7	2-Methylphenol	320	U	790	320	320
15831-10-4	3 & 4 Methylphenol	320	U	1600	320	79
91-20-3	Naphthalene	13	U	26	13	13
88-74-4	2-Nitroaniline	110	U	790	110	36
99-09-2	3-Nitroaniline	320	U	790	320	63
100-01-6	4-Nitroaniline	110	U	790	110	100
98-95-3	Nitrobenzene	13	U	400	13	8.7
88-75-5	2-Nitrophenol	110	U	200	110	110
100-02-7	4-Nitrophenol	320	U	1300	320	320
621-64-7	N-Nitrosodi-n-propylamine	110	U	200	110	110
86-30-6	N-Nitrosodiphenylamine	110	U	200	110	83
87-86-5	Pentachlorophenol	320	U	590	320	320
85-01-8	Phenanthrene	13	U	26	13	13
108-95-2	Phenol	110	U	200	110	110
129-00-0	Pyrene	13	U	26	13	13
120-82-1	1,2,4-Trichlorobenzene	110	U	200	110	110
95-95-4	2,4,5-Trichlorophenol	110	U	590	110	99
88-06-2	2,4,6-Trichlorophenol	320	U	590	320	320

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0054M-0001-SO | Lab Sample ID: 240-18581-23

Matrix: Solid | Lab File ID: 21226012.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:25

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.30(g) | Date Analyzed: 12/26/2012 13:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 4

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	48		45-105
367-12-4	2-Fluorophenol (Surr)	58		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	42		35-100
4165-62-2	Phenol-d5 (Surr)	58		40-100
1718-51-0	Terphenyl-d14 (Surr)	55		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	45		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226012.D
Lims ID: 240-18581-B-23-C
Client ID: 070SB-0054M-0001-SO
Inject. Date: 26-Dec-2012 13:08:30
Dil. Factor: 4.0000
Sample Type: Client
Sample ID: 240-0016171-012
Misc. Info.: 240-18581-B-23-C
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 12
Lims Batch ID: 70078
Lims Sample ID: 12
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\8270_hp7.m
Last Update: 27-Dec-2012 09:55:09
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: gruberj
Date: 26-Dec-2012 13:47:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.860	5.861	-0.001	97	252754	4.00	
* 2 Naphthalene-d8	136	6.978	6.979	-0.001	100	991856	4.00	
* 3 Acenaphthene-d10	164	8.465	8.471	-0.006	90	593309	4.00	
* 4 Phenanthrene-d10	188	9.722	9.722	0.0	98	976618	4.00	
* 5 Chrysene-d12	240	12.236	12.236	0.0	94	964587	4.00	
* 6 Perylene-d12	264	14.274	14.274	0.0	96	803534	4.00	
$ 7 2-Fluorophenol	112	4.620	4.598	0.022	93	168274	2.17	
$ 8 Phenol-d5	99	5.507	5.502	0.005	91	223679	2.17	
$ 9 Nitrobenzene-d5	82	6.347	6.347	0.0	92	114170	1.04	
$ 10 2-Fluorobiphenyl (Surr)	172	7.882	7.882	0.0	99	252808	1.19	
$ 11 2,4,6-Tribromophenol	330	9.134	9.129	0.005	87	33536	1.68	
$ 12 Terphenyl-d14	244	11.065	11.070	-0.005	98	269516	1.37	
41 Phenol	94		5.513					9
44 Bis(2-chloroethyl)ether	93		5.615					
46 2-Chlorophenol	128		5.668					
47 1,3-Dichlorobenzene	146		5.813					9
48 1,4-Dichlorobenzene	146		5.877					9
49 Benzyl alcohol	108		5.973					9
50 1,2-Dichlorobenzene	146		6.010					
51 2-Methylphenol	108		6.064					9
52 2,2'-oxybis[1-chloropropane]	45		6.096					9
191 3 & 4 Methylphenol	108		6.192					
56 N-Nitrosodi-n-propylamine	70		6.208					9
60 Hexachloroethane	117		6.315					9
61 Nitrobenzene	77		6.363					9
63 Isophorone	82		6.567					
65 2-Nitrophenol	139		6.642					9
64 2,4-Dimethylphenol	107		6.658					
69 Benzoic acid	122		6.722					9
68 Bis(2-chloroethoxy)methane	93		6.749					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.845					
72 1,2,4-Trichlorobenzene	180		6.925					
73 Naphthalene	128		6.995					
74 4-Chloroaniline	127		7.032				9	
77 Hexachlorobutadiene	225		7.091					
84 4-Chloro-3-methylphenol	107		7.422				9	
85 2-Methylnaphthalene	142		7.583					
88 Hexachlorocyclopentadiene	237		7.711					
90 2,4,6-Trichlorophenol	196		7.813					
91 2,4,5-Trichlorophenol	196		7.840					
98 2-Chloronaphthalene	162		8.000					
100 2-Nitroaniline	65		8.070				9	
103 Dimethyl phthalate	163		8.214				9	
105 2,6-Dinitrotoluene	165		8.268					
107 Acenaphthylene	152		8.353				9	
108 3-Nitroaniline	138		8.417					
110 Acenaphthene	153		8.498				9	
109 2,4-Dinitrophenol	184		8.503					
111 4-Nitrophenol	109		8.530				9	
112 2,4-Dinitrotoluene	165		8.610					
114 Dibenzofuran	168		8.642				9	
119 Diethyl phthalate	149		8.802				9	
121 4-Chlorophenyl phenyl ether	204		8.915					
123 4-Nitroaniline	138		8.931					
124 Fluorene	166		8.931				9	
126 4,6-Dinitro-2-methylphenol	198		8.952					
130 N-Nitrosodiphenylamine	169		9.011					
137 4-Bromophenyl phenyl ether	248		9.332					
139 Hexachlorobenzene	284		9.391					
141 Pentachlorophenol	266		9.551					
146 Phenanthrene	178		9.744					
147 Anthracene	178		9.787					
149 Carbazole	167		9.910				9	
151 Di-n-butyl phthalate	149		10.172					
157 Fluoranthene	202		10.749				9	
160 Pyrene	202		10.953				9	
166 Butyl benzyl phthalate	149		11.536				9	
173 3,3'-Dichlorobenzidine	252		12.172					
171 Bis(2-ethylhexyl) phthalate	149		12.193					
175 Benzo[a]anthracene	228		12.226				9	
176 Chrysene	228		12.268				9	
178 Di-n-octyl phthalate	149		13.087				9	
180 Benzo[b]fluoranthene	252		13.702				9	
181 Benzo[k]fluoranthene	252		13.745				9	
182 Benzo[a]pyrene	252		14.194					
186 Indeno[1,2,3-cd]pyrene	276		15.905					
187 Dibenz(a,h)anthracene	278		15.932					
188 Benzo[g,h,i]perylene	276		16.339				9	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

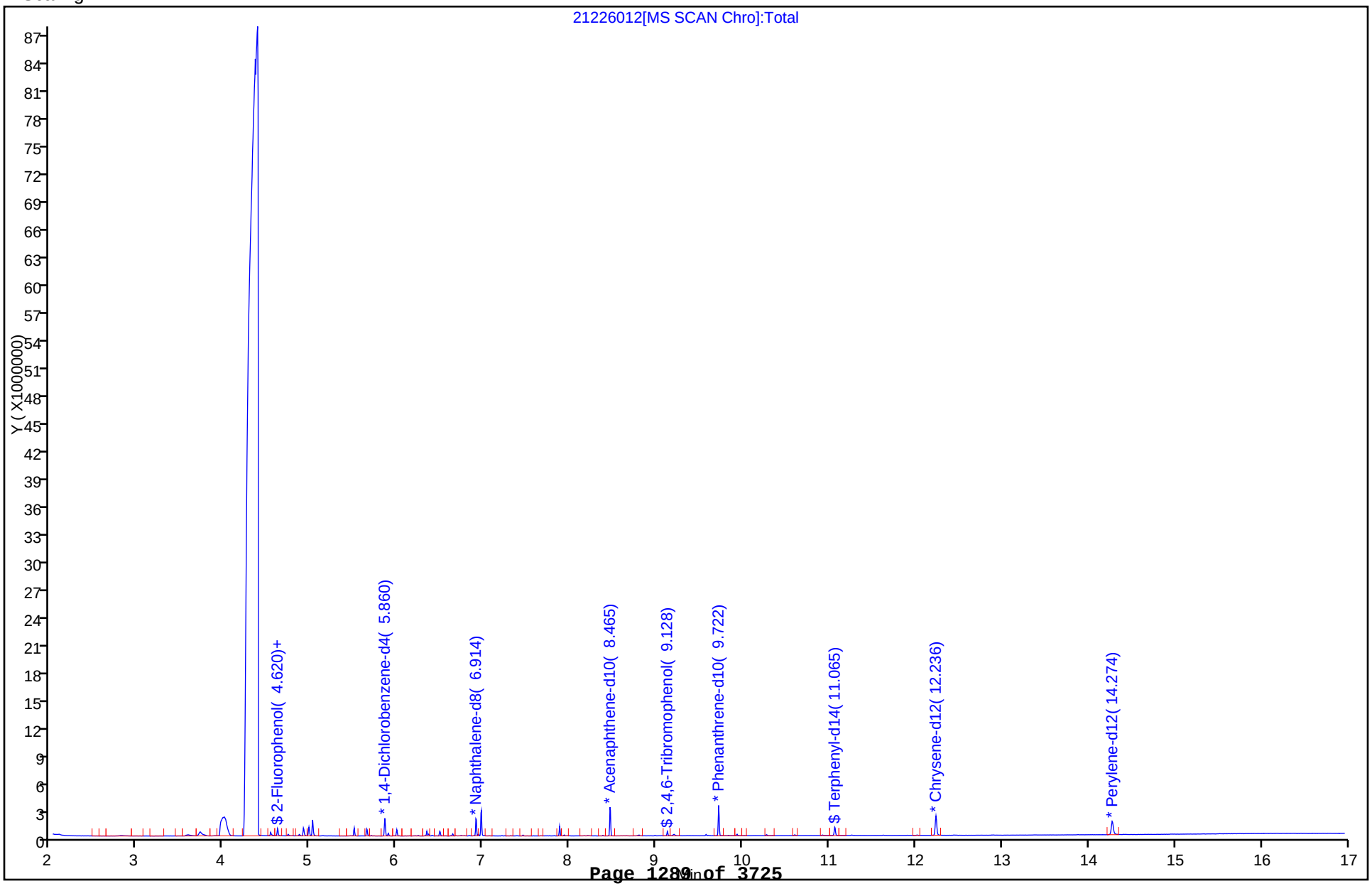
Report Date: 27-Dec-2012 09:55:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226012.D

Injection Date:	26-Dec-2012 13:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0054M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69576

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2012 13:47 Calibration End Date: 12/20/2012 16:55 Calibration ID: 12941

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-69576/6	21220006.D
Level 2	STD2 240-69576/5	21220005.D
Level 3	STD3 240-69576/4	21220004.D
Level 4	STD4 240-69576/3	21220003.D
Level 5	STD5 240-69576/2	21220002.D
Level 6	STD6 240-69576/10	21220010.D
Level 7	STD7 240-69576/9	21220009.D
Level 8	STD8 240-69576/8	21220008.D
Level 9	STD9 240-69576/7	21220007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.5363	0.7238 0.5388	0.5833 0.5416	0.5367 0.5437	0.5224	Ave		0.5658			0.0500	12.0		15.0			
N-Nitrosodimethylamine	0.7787	0.7531 0.8248	0.7241 0.8421	0.7054 0.8245	0.7763	Ave		0.7786			0.0500	6.4		15.0			
Pyridine	1.3916	1.3005 1.4452	1.2384 1.5110	1.3166 1.4709	1.4292	Ave		1.3879			0.0500	6.8		15.0			
Ethyl methacrylate	1.1009	1.2052 1.1323	1.1445 1.1500	1.0796 1.1357	1.1166	Ave		1.1331			0.0500	3.3		15.0			
3-Chloropropionitrile	1.0786	0.9807 1.1592	0.9607 1.1655	1.0186 1.1525	1.1015	Ave		1.0772			0.0500	7.6		15.0			
Malononitrile	1.6048	1.2730 1.7642	1.4344 1.8235	1.4978 1.8164	1.6566	Ave		1.6088			0.0500	12.0		15.0			
Benzaldehyde	1.3855 1.3285	1.3611 1.2377	1.3672 1.1023	1.4279 1.0142	1.4117	Ave		1.2929			0.0500	11.0		15.0			
Phenol	1.7276	1.5307 1.7557	1.6933 1.8209	1.6613 1.7718	1.7319	Ave		1.7116			0.0500	5.1		15.0			
Aniline	2.2611	2.0556 2.3136	2.1257 2.3244	2.1464 2.3288	2.2358	Ave		2.2239			0.0500	4.6		15.0			
Bis(2-chloroethyl)ether	1.6172	1.6542 1.6762	1.6491 1.6989	1.6152 1.6905	1.6842	Ave		1.6607			0.0500	1.9		15.0			
2-Chlorophenol	1.3435	1.2116 1.4044	1.3298 1.4190	1.3399 1.4058	1.3615	Ave		1.3519			0.0500	4.9		15.0			
1,3-Dichlorobenzene	1.7242	1.7169 1.7947	1.6947 1.8105	1.7557 1.7929	1.7442	Ave		1.7542			0.0500	2.4		15.0			
Benzoic acid	0.1890	+++++ 0.2130	0.1190 0.2311	0.1581 0.2226	0.1912	Qua	-0.228	0.2053	0.0005		0.0500				0.9970		0.9950

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69576

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2012 13:47 Calibration End Date: 12/20/2012 16:55 Calibration ID: 12941

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dichlorobenzene	1.4257	1.3683 1.5131	1.4447 1.5036	1.4056 1.5259	1.4649	Ave		1.4565			0.0500	3.8		15.0			
Benzyl alcohol	0.8485	0.7677 0.8784	0.7936 0.8942	0.8024 0.8916	0.8683	Ave		0.8431			0.0500	5.8		15.0			
1,2-Dichlorobenzene	1.6659	1.6597 1.7052	1.6383 1.7062	1.6519 1.7280	1.6851	Ave		1.6800			0.0500	1.9		15.0			
2-Methylphenol	1.2476	1.0894 1.2923	1.1308 1.3038	1.2174 1.3010	1.2475	Ave		1.2287			0.0500	6.5		15.0			
bis (2-chloroisopropyl) ether	2.3113	2.3225 2.3772	2.2958 2.4288	2.3769 2.4214	2.4063	Ave		2.3675			0.0500	2.2		15.0			
3 & 4 Methylphenol	1.3027	1.2799 1.3659	1.2722 1.3938	1.2380 1.3844	1.3193	Ave		1.3195			0.0500	4.3		15.0			
N-Nitrosodi-n-propylamine	0.9956	0.8529 1.0316	0.9743 1.0325	0.9606 1.0335	1.0142	Ave		0.9869			0.0500	6.2		15.0			
Acetophenone	1.8942	1.7941 1.9623	1.8643 1.9809	1.8684 2.0006	1.8920	Ave		1.9071			0.0500	3.6		15.0			
Hexachloroethane	0.6787	0.6766 0.7051	0.6702 0.7135	0.6624 0.7177	0.6931	Ave		0.6897			0.0500	3.0		15.0			
Nitrobenzene	0.4538	0.4078 0.4764	0.4366 0.4957	0.4421 0.4842	0.4503	Ave		0.4559			0.0500	6.3		15.0			
Isophorone	0.6403	0.5946 0.6876	0.6506 0.7264	0.6322 0.7158	0.6601	Ave		0.6634			0.0500	6.7		15.0			
2-Nitrophenol	0.1732	0.1203 0.1747	0.1374 0.1876	0.1584 0.1861	0.1722	Ave		0.1637			0.0500	15.0		15.0			
1,3,5-Trichlorobenzene	0.3455	0.3653 0.3621	0.3419 0.3640	0.3565 0.3677	0.3479	Ave		0.3564			0.0500	2.8		15.0			
2,4-Dimethylphenol	0.3350	0.3183 0.3456	0.3330 0.3552	0.3337 0.3545	0.3462	Ave		0.3402			0.0500	3.7		15.0			
Bis(2-chloroethoxy)methane	0.4857	0.4613 0.5090	0.4982 0.5351	0.4844 0.5164	0.4920	Ave		0.4978			0.0500	4.5		15.0			
2,4-Dichlorophenol	0.2711	0.2189 0.2843	0.2411 0.2906	0.2614 0.2880	0.2688	Ave		0.2655			0.0500	9.4		15.0			
1,2,4-Trichlorobenzene	0.3516	0.3444 0.3592	0.3431 0.3787	0.3504 0.3717	0.3486	Ave		0.3560			0.0500	3.6		15.0			
Naphthalene	1.0109 0.9563	0.9769 0.9973	0.9223 1.0254	0.9478 0.9980	0.9631	Ave		0.9776			0.0500	3.4		15.0			
4-Chloroaniline	0.4085	0.3623 0.4285	0.3933 0.4454	0.4094 0.4444	0.4073	Ave		0.4124			0.0500	6.7		15.0			
Hexachlorobutadiene	0.1883	0.1969 0.1952	0.1925 0.2011	0.1886 0.1996	0.1833	Ave		0.1932			0.0500	3.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69576

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2012 13:47 Calibration End Date: 12/20/2012 16:55 Calibration ID: 12941

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Caprolactam	0.0895	0.0704 0.0897	0.0825 0.0913	0.0905 0.0879	0.1013	Ave		0.0879			0.0500	10.0		15.0			
4-Chloro-3-methylphenol	0.2843	0.2364 0.2979	0.2592 0.3139	0.2805 0.3096	0.2904	Ave		0.2840			0.0500	9.1		15.0			
2,4-Dinitrophenol	0.1471	+++++ 0.1439	0.0663 0.1692	0.1037 0.1592	0.1407	Qua	-0.184	0.1510	0.0003		0.0500				0.9950		0.9950
2-Methylnaphthalene	0.6304 0.6307	0.5986 0.6529	0.6202 0.6846	0.6340 0.6784	0.6427	Ave		0.6414			0.0500	4.2		15.0			
1-Methylnaphthalene	0.5786 0.5874	0.5896 0.6118	0.5845 0.6476	0.5944 0.6345	0.5833	Ave		0.6013			0.0500	4.1		15.0			
1,2,3,5-Tetrachlorobenzene	0.5649	0.6052 0.5560	0.5614 0.5968	0.5508 0.5946	0.5660	Ave		0.5745			0.0500	3.7		15.0			
Hexachlorocyclopentadiene	0.3341	0.2783 0.3441	0.2988 0.3742	0.3328 0.3886	0.3538	Ave		0.3381			0.0500	11.0		15.0			
2,4,6-Trichlorophenol	0.3218	0.2799 0.3272	0.2689 0.3559	0.3004 0.3503	0.3131	Ave		0.3147			0.0500	9.8		15.0			
4,6-Dinitro-2-methylphenol	0.1177	+++++ 0.1263	0.0650 0.1384	0.0867 0.1305	0.1095	Qua	-0.096	0.1310	0.0002		0.0500				0.9970		0.9950
2,4,5-Trichlorophenol	0.3417	0.3069 0.3564	0.3012 0.3775	0.3379 0.3814	0.3467	Ave		0.3437			0.0500	8.5		15.0			
2,4-Toluene diamine	0.1831	0.1810 0.1684	0.2172 0.1649	0.2156 0.1753	0.2165	Ave		0.1902			0.0500	12.0		15.0			
1,1'-Biphenyl	1.3700 1.2744	1.3056 1.2787	1.2939 1.3650	1.2506 1.3908	1.3108	Ave		1.3155			0.0500	3.7		15.0			
2-Chloronaphthalene	1.2421 1.2370	1.2015 1.2385	1.2050 1.3512	1.2204 1.3483	1.2068	Ave		1.2501			0.0500	4.7		15.0			
2-Nitroaniline	0.3648	0.2741 0.3745	0.3044 0.4065	0.3333 0.4078	0.3653	Ave		0.3538			0.0500	13.0		15.0			
Dimethyl phthalate	1.1313	1.0690 1.1613	1.0867 1.2550	1.1038 1.2610	1.1230	Ave		1.1489			0.0500	6.3		15.0			
2,6-Dinitrotoluene	0.3023	0.2056 0.3062	0.2334 0.3356	0.2670 0.3349	0.2831	Qua	-0.053	0.2852	0.0022		0.0500				0.9990		0.9950
1,2-Dinitrobenzene	0.1532	0.0960 0.1562	0.1225 0.1673	0.1312 0.1659	0.1429	Qua	-0.037	0.1499	0.0008		0.0500				0.9990		0.9950
Acenaphthylene	1.5517 1.6942	1.4834 1.7003	1.5402 1.7806	1.6001 1.8235	1.6156	Ave		1.6433			0.0500	7.0		15.0			
3-Nitroaniline	0.2862	0.2035 0.3019	0.2580 0.3259	0.2741 0.3245	0.2893	Ave		0.2829			0.0500	14.0		15.0			
Acenaphthene	1.2013 0.9781	0.9747 0.9795	1.0103 1.0467	0.9777 1.0582	0.9876	Ave		1.0238			0.0500	7.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69576

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2012 13:47 Calibration End Date: 12/20/2012 16:55 Calibration ID: 12941

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Nitrophenol	0.1733	0.1135 0.1826	0.1424 0.1990	0.1557 0.1996	0.1677	Qua	-0.028	0.1644	0.0015		0.0500				0.9990		0.9950
2,4-Dinitrotoluene	0.4047	0.2483 0.4216	0.3130 0.4562	0.3622 0.4520	0.3944	Qua	-0.090	0.3964	0.0026		0.0500				0.9990		0.9950
Dibenzofuran	1.7103 1.4435	1.4130 1.4815	1.4596 1.6033	1.4563 1.6010	1.4235	Ave		1.5102			0.0500	6.8		15.0			
2,3,5,6-Tetrachlorophenol	0.2863	0.2030 0.2869	0.2312 0.3159	0.2670 0.3126	0.2783	Ave		0.2727			0.0500	14.0		15.0			
Diethyl phthalate	1.1301	1.0936 1.1537	1.0960 1.2431	1.0882 1.2637	1.1083	Ave		1.1471			0.0500	6.0		15.0			
4-Chlorophenyl phenyl ether	0.6578	0.6309 0.6674	0.6723 0.7074	0.6562 0.7190	0.6556	Ave		0.6708			0.0500	4.3		15.0			
4-Nitroaniline	0.2988	0.2101 0.3052	0.2313 0.3253	0.2520 0.3223	0.2972	Ave		0.2803			0.0500	15.0		15.0			
Fluorene	1.1598 1.1699	1.2263 1.2020	1.1312 1.2979	1.1877 1.2886	1.1752	Ave		1.2043			0.0500	4.7		15.0			
N-Nitrosodiphenylamine	0.5417	0.4766 0.5650	0.5080 0.6012	0.5355 0.5811	0.5259	Ave		0.5419			0.0500	7.4		15.0			
1,2-Diphenylhydrazine(as Azobenzene)	0.8328	0.7379 0.8785	0.8009 0.9178	0.7891 0.9025	0.8219	Ave		0.8354			0.0500	7.3		15.0			
Azobenzene	0.8328	0.7379 0.8785	0.8009 0.9178	0.7903 0.9025	0.8224	Ave		0.8354			0.0500	7.3		15.0			
4-Bromophenyl phenyl ether	0.2301	0.2228 0.2385	0.2276 0.2448	0.2273 0.2399	0.2243	Ave		0.2319			0.0500	3.5		15.0			
Hexachlorobenzene	0.2655 0.2244	0.2148 0.2268	0.2325 0.2386	0.2198 0.2348	0.2204	Ave		0.2309			0.0500	6.5		15.0			
Atrazine	0.1584	0.1360 0.1590	0.1467 0.1607	0.1523 0.1534	0.1538	Ave		0.1525			0.0500	5.3		15.0			
Benzidine	0.4483	+++++ 0.4794	0.2823 0.5280	0.3520 0.5103	0.4550	Qua	-0.231	0.4705	0.0023		0.0500				0.9980		0.9950
Pentachlorophenol	0.1427	0.0871 0.1416	0.1205 0.1502	0.1335 0.1430	0.1386	Ave		0.1321			0.0500	15.0		15.0			
Phenanthrene	1.1456 1.0645	1.0237 1.0909	1.0357 1.1158	1.0277 1.1210	1.0397	Ave		1.0738			0.0500	4.3		15.0			
Anthracene	0.9912 1.0821	0.9584 1.1403	1.0363 1.2062	1.0440 1.1426	1.0467	Ave		1.0720			0.0500	7.4		15.0			
Carbazole	1.0426	0.8945 1.0945	0.9658 1.1035	1.0195 1.0935	1.0023	Ave		1.0270			0.0500	7.1		15.0			
Di-n-butyl phthalate	1.1986	0.9775 1.2769	1.0607 1.2584	1.1261 1.2409	1.1478	Ave		1.1609			0.0500	9.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69576

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2012 13:47 Calibration End Date: 12/20/2012 16:55 Calibration ID: 12941

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
3,3'-Dimethoxybenzidine	0.2349	+++++ 0.2562	0.1090 0.2898	0.1777 0.2775	0.2273	Qua	-0.170	0.2496	0.0016		0.0500				0.9960		0.9950
Fluoranthene	1.2282 1.1806	1.0335 1.2504	1.1215 1.2831	1.1403 1.2311	1.1383	Ave		1.1785			0.0500	6.6		15.0			
Pyrene	1.1328 1.1597	1.0945 1.2216	1.0952 1.2208	1.1354 1.2015	1.1549	Ave		1.1574			0.0500	4.2		15.0			
Butyl benzyl phthalate	0.4821	0.3484 0.5110	0.3951 0.5410	0.4493 0.5403	0.4902	Ave		0.4697			0.0500	15.0		15.0			
3,3'-Dichlorobenzidine	0.3958	0.2796 0.4094	0.3398 0.4276	0.3733 0.4221	0.3933	Ave		0.3801			0.0500	13.0		15.0			
4,4'-Methylene bis(2-chloroaniline)	0.1906	0.1214 0.1964	0.1486 0.2037	0.1771 0.2028	0.1953	Qua	-0.035	0.1929	0.0005		0.0500				1.0000		0.9950
Bis(2-ethylhexyl) phthalate	0.6889	0.4600 0.7294	0.5662 0.7651	0.6534 0.7720	0.7014	Qua	-0.092	0.6755	0.0042		0.0500				1.0000		0.9950
Benzo[a]anthracene	1.0178 1.0195	0.9380 1.0580	0.9916 1.1328	1.0034 1.1273	1.0186	Ave		1.0341			0.0500	6.1		15.0			
Chrysene	1.0304 0.9588	0.9292 0.9881	0.9385 1.0303	0.9414 1.0433	0.9562	Ave		0.9796			0.0500	4.6		15.0			
Di-n-octyl phthalate	1.3614	0.6683 1.4768	0.9417 1.5638	1.1602 1.5831	1.4210	Qua	-0.357	1.3508	0.0102		0.0500				0.9990		0.9950
Benzo[b]fluoranthene	1.0736 1.2345	1.0463 1.2345	1.1969 1.3164	1.1119 1.3313	1.2047	Ave		1.1945			0.0500	8.4		15.0			
Benzo[k]fluoranthene	1.1358 1.3299	1.1271 1.3779	1.2448 1.3936	1.2857 1.4089	1.2276	Ave		1.2813			0.0500	8.3		15.0			
Benzo[a]pyrene	0.8731 1.1952	0.8882 1.2349	1.0506 1.2928	1.1091 1.3045	1.1575	Ave		1.1229			0.0500	14.0		15.0			
Indeno[1,2,3-cd]pyrene	0.9332 1.2471	0.9839 1.2920	1.1384 1.3419	1.1905 1.3558	1.2403	Ave		1.1915			0.0500	13.0		15.0			
Dibenz(a,h)anthracene	0.8464 1.0470	0.8132 1.0999	0.9647 1.1493	0.9945 1.1568	1.0553	Ave		1.0141			0.0500	12.0		15.0			
Benzo[g,h,i]perylene	0.9292 1.0630	0.8762 1.0910	1.0230 1.1546	1.0323 1.1602	1.0625	Ave		1.0436			0.0500	9.0		15.0			
2-Fluorophenol (Surr)	1.2144	1.1332 1.2861	1.1075 1.2879	1.2177 1.3000	1.2704	Ave		1.2271			0.0500	6.0		15.0			
Phenol-d5 (Surr)	1.6471	1.4491 1.6938	1.6151 1.7004	1.5847 1.7374	1.6417	Ave		1.6337			0.0500	5.5		15.0			
Nitrobenzene-d5 (Surr)	0.4482 0.4312	0.4109 0.4568	0.4121 0.4780	0.4232 0.4712	0.4340	Ave		0.4406			0.0500	5.5		15.0			
2-Fluorobiphenyl (Surr)	1.3856 1.4084	1.3707 1.4270	1.4221 1.5418	1.3878 1.5715	1.3860	Ave		1.4334			0.0500	5.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69576

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2012 13:47 Calibration End Date: 12/20/2012 16:55 Calibration ID: 12941

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4,6-Tribromophenol (Surr)	0.1384	0.0972 0.1463	0.1177 0.1537	0.1279 0.1553	0.1395	Ave		0.1345			0.0500	15.0		15.0			
Terphenyl-d14 (Surr)	0.8530 0.7992	0.7593 0.8350	0.7729 0.8738	0.8016 0.8736	0.7974	Ave		0.8184			0.0500	5.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69576

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2012 13:47 Calibration End Date: 12/20/2012 16:55 Calibration ID: 12941

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-69576/6	21220006.D
Level 2	STD2 240-69576/5	21220005.D
Level 3	STD3 240-69576/4	21220004.D
Level 4	STD4 240-69576/3	21220003.D
Level 5	STD5 240-69576/2	21220002.D
Level 6	STD6 240-69576/10	21220010.D
Level 7	STD7 240-69576/9	21220009.D
Level 8	STD8 240-69576/8	21220008.D
Level 9	STD9 240-69576/7	21220007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	389606	26507 592728	39884 845342	76308 853691	179833	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	565726	27581 907368	49516 1314443	100304 1294741	267246	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	1011026	47629 1589862	84682 2358540	187204 2309707	492007	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Ethyl methacrylate	DCB	Ave	799836	44136 1245666	78258 1794987	153511 1783332	384409	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Chloropropionitrile	DCB	Ave	783605	35914 1275258	65694 1819270	144839 1809718	379191	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Malononitrile	DCB	Ave	1165876	46620 1940823	98083 2846337	212971 2852208	570281	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Ave	9068 965142	49846 1361531	93491 1720625	203039 1592617	485974	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol	DCB	Ave	1255107	56057 1931453	115788 2842149	236229 2782155	596209	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1642745	75283 2545209	145354 3628133	305197 3656863	769695	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	1174915	60581 1844015	112766 2651768	229666 2654445	579790	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	976038	44373 1544944	90929 2214958	190522 2207416	468720	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	1252640	62876 1974289	115887 2826008	249648 2815243	600454	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Qua	1112002	+++++ 1901206	65355 2848692	179400 2792366	535735	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
1,4-Dichlorobenzene	DCB	Ave	1035815	50111 1664549	98791 2346933	199865 2395973	504289	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69576

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2012 13:47 Calibration End Date: 12/20/2012 16:55 Calibration ID: 12941

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzyl alcohol	DCB	Ave	616471	28114 966270	54268 1395777	114098 1400111	298908	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	1210285	60782 1875831	112026 2663205	234887 2713424	580107	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	906400	39897 1421636	77322 2035000	173107 2042833	429464	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
bis (2-chloroisopropyl) ether	DCB	Ave	1679188	85056 2615147	156986 3791120	337967 3802183	828400	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3 & 4 Methylphenol	DCB	Ave	946415	46874 1502619	86993 2175565	176038 2173792	454181	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	723351	31235 1134825	66625 1611667	136583 1622895	349149	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	1376169	65703 2158672	127481 3091980	265670 3141474	651329	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	493102	24778 775638	45828 1113757	94193 1126908	238610	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	1334854	59163 2125565	119839 3055559	250851 3036837	630965	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Isophorone	NPT	Ave	1883450	86258 3067993	178573 4478203	358724 4489379	924885	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	509518	17446 779476	37714 1156475	89854 1166957	241354	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3,5-Trichlorobenzene	NPT	Ave	1016245	52999 1615823	93855 2244077	202285 2306367	487455	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	985425	46174 1542165	91401 2189369	189342 2223777	485134	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethoxy)methane	NPT	Ave	1428889	66917 2271199	136747 3298779	274815 3239139	689456	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	797571	31754 1268333	66183 1791621	148297 1806669	376602	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	1034405	49961 1602557	94189 2334738	198820 2331291	488487	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	26497 2813217	141722 4450038	253148 6321272	537748 6259631	1349436	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	1201804	52552 1911976	107943 2745528	232292 2787171	570672	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	553853	28568 870905	52834 1239603	107000 1252096	256892	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Ave	263138	10209 400102	22649 563097	51353 551340	141953	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloro-3-methylphenol	NPT	Ave	836419	34291 1329286	71135 1934952	159178 1941907	406864	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69576

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2012 13:47 Calibration End Date: 12/20/2012 16:55 Calibration ID: 12941

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,4-Dinitrophenol	ANT	Qua	517938	+++++ 797204	21815 1254569	70061 1184333	237495	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
2-Methylnaphthalene	NPT	Ave	16524 1855211	86842 2913071	170224 4220039	359727 4254799	900565	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1-Methylnaphthalene	NPT	Ave	15165 1728063	85531 2729919	160425 3991903	337236 3979891	817280	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,3,5-Tetrachlorobenzene	ANT	Ave	994439	51367 1539864	92347 2212677	186085 2211059	477751	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	588105	23622 952941	49155 1387363	112429 1444927	298596	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	566491	23760 906372	44237 1319553	101481 1302741	264287	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Qua	331389	+++++ 549732	16767 832078	47180 809696	150691	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	601462	26053 987009	49549 1399484	114167 1418284	292578	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Toluene diamine	NPT	Ave	538490	26262 751195	59625 1016617	122319 1099597	303358	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	20760 2243288	110816 3541716	212825 5060741	422519 5171862	1106375	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	18823 2177502	101981 3430116	198200 5009547	412301 5013766	1018585	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	642091	23267 1037126	50063 1507114	112588 1516309	308297	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	1991385	90736 3216427	178746 4653092	372898 4688930	947788	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Qua	532105	17453 848149	38386 1244248	90193 1245170	238939	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dinitrobenzene	ANT	Qua	269613	8152 432575	20145 620387	44324 616811	120592	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	23514 2982314	125910 4709286	253336 6601738	540583 6780546	1363557	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	503829	17272 836080	42438 1208479	92591 1206771	244174	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthene	ANT	Ave	18204 1721750	82736 2712921	166180 3880649	330305 3935098	833543	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Qua	305064	9636 505640	23425 737648	52593 742261	141577	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrotoluene	ANT	Qua	712337	21072 1167716	51478 1691520	122378 1680879	332893	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	25918 2541022	119935 4103148	240077 5944567	492011 5953306	1201456	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69576

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2012 13:47 Calibration End Date: 12/20/2012 16:55 Calibration ID: 12941

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,3,5,6-Tetrachlorophenol	ANT	Ave	503972	17233 794710	38023 1171273	90211 1162230	234900	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	1989402	92824 3195257	180276 4609089	367622 4698931	935405	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	1157912	53547 1848387	110586 2622789	221697 2673524	553318	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Ave	525995	17836 845372	38052 1206040	85142 1198378	250846	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	17575 2059415	104089 3329028	186059 4812282	401260 4791852	991897	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodiphenylamine	PHN	Ave	1524915	65556 2459059	130976 3615704	291322 3606229	723884	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	2344135	101500 3823349	206495 5519452	429277 5601292	1131317	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	2344135	101500 3823349	206495 5519483	429897 5601292	1132028	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	647830	30644 1037870	58679 1472404	123649 1488893	308702	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	6543 631684	29551 986886	59940 1435120	119581 1457245	303337	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	445834	18708 691807	37822 966415	82861 951828	211706	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Qua	1343039	+++++ 2223573	77469 3375926	200114 3289528	648603	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
Pentachlorophenol	PHN	Ave	803414	23954 1232108	62119 1806484	145282 1774691	381503	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	28229 2996363	140809 4747402	267036 6710267	559047 6956936	1431100	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	24424 3045852	131823 4962445	267191 7253938	567910 7091388	1440708	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	2934798	123044 4763053	249019 6636266	554618 6786107	1379641	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	3373787	134455 5557115	273490 7567957	612574 7701422	1579938	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dimethoxybenzidine	CRY	Qua	703722	+++++ 1188213	29916 1853271	101000 1788715	324074	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	30264 3323131	142158 5441686	289154 7716245	620296 7640350	1566759	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyrene	CRY	Ave	28355 3474759	157506 5666528	300514 7806162	645409 7745522	1646257	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	1444386	50139 2370037	108424 3459356	255412 3482858	698839	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69576

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2012 13:47 Calibration End Date: 12/20/2012 16:55 Calibration ID: 12941

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3,3'-Dichlorobenzidine	CRY	Ave	1185827	40231 1898814	93229 2733875	212192 2721034	560584	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,4'-Methylene bis(2-chloroaniline)	CRY	Qua	570940	17468 911117	40773 1302190	100694 1307308	278457	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Qua	2063920	66202 3383407	155375 4892253	371438 4977048	999795	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]anthracene	CRY	Ave	25477 3054599	134984 4907403	272095 7243171	570375 7267592	1452057	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	25791 2872635	133718 4583301	257527 6587742	535155 6726083	1363111	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Qua	3335279	77079 5664592	203542 8478197	543454 8574021	1691307	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	21557 3024372	120678 4735273	258712 7136813	520857 7210701	1433823	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	22806 3258032	130001 5285146	269051 7555366	602267 7630734	1461143	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	17530 2927922	102437 4736774	227095 7008788	519508 7065369	1377653	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	18738 3055186	113477 4955868	246057 7275353	557646 7343227	1476202	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	16995 2565096	93792 4218978	208512 6230869	465846 6265172	1256054	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	18657 2604286	101056 4184837	221109 6259787	483573 6283712	1264620	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	882268	41499 1414846	75732 2010242	173139 2041401	437346	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	1196655	53071 1863385	110441 2654062	225329 2728154	565183	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	11747 1268557	59609 2038356	113113 2946631	240107 2955279	608100	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	20997 2479283	116343 3952267	233900 5716272	468848 5843640	1169794	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	243706	8247 405137	19353 569782	43196 577603	117768	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	21351 2394384	109267 3873184	212084 5587067	455650 5631709	1136727	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220002.D
Lims ID: std5 tcl
Client ID:
Inject. Date: 20-Dec-2012 13:47:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 5
Sample ID: 240-0016051-002
Misc. Info.: STD5 TCL
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 2
Lims Batch ID: 69576
Lims Sample ID: 2
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\8270_hp7.m
Last Update: 21-Dec-2012 09:00:52
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm
Date: 20-Dec-2012 14:14:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.929	5.929	0.0	76	275406	4.00	
* 2 Naphthalene-d8	136	7.041	7.041	0.0	99	1120955	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	91	675211	4.00	
* 4 Phenanthrene-d10	188	9.790	9.790	0.0	98	1101153	4.00	
* 5 Chrysene-d12	240	12.336	12.336	0.0	91	1140395	4.00	
* 6 Perylene-d12	264	14.406	14.406	0.0	92	952170	4.00	
$ 7 2-Fluorophenol	112	4.688	4.688	0.0	93	437346	5.18	
$ 8 Phenol-d5	99	5.570	5.570	0.0	89	565183	5.02	
$ 9 Nitrobenzene-d5	82	6.410	6.410	0.0	92	608100	4.92	
$ 10 2-Fluorobiphenyl (Surr)	172	7.945	7.945	0.0	100	1169794	4.83	
$ 11 2,4,6-Tribromophenol	330	9.197	9.197	0.0	92	117768	5.19	
$ 12 Terphenyl-d14	244	11.143	11.143	0.0	98	1136727	4.87	
24 1,4-Dioxane	88	2.559	2.559	0.0	92	179833	4.62	M
25 N-Nitrosodimethylamine	74	3.030	3.030	0.0	89	267246	4.98	
26 Pyridine	79	3.088	3.088	0.0	89	492007	5.15	M
27 Ethyl methacrylate	69	3.687	3.687	0.0	89	384409	4.93	
28 3-Chloropropionitrile	54	4.051	4.051	0.0	85	379191	5.11	
32 Malononitrile	66	4.388	4.388	0.0	97	570281	5.15	M
40 Benzaldehyde	77	5.538	5.538	0.0	89	485974	5.46	
41 Phenol	94	5.581	5.581	0.0	98	596209	5.06	
43 Aniline	93	5.629	5.629	0.0	97	769695	5.03	
44 Bis(2-chloroethyl)ether	93	5.683	5.683	0.0	92	579790	5.07	
46 2-Chlorophenol	128	5.736	5.736	0.0	95	468720	5.04	
47 1,3-Dichlorobenzene	146	5.880	5.880	0.0	95	600454	4.97	
48 1,4-Dichlorobenzene	146	5.945	5.945	0.0	91	504289	5.03	
49 Benzyl alcohol	108	6.041	6.041	0.0	89	298908	5.15	
50 1,2-Dichlorobenzene	146	6.084	6.084	0.0	93	580107	5.02	
51 2-Methylphenol	108	6.126	6.126	0.0	96	429464	5.08	
52 2,2'-oxybis[1-chloropropane]	45	6.159	6.159	0.0	91	828400	5.08	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.255	6.255	0.0	96	454181	5.00	
56 N-Nitrosodi-n-propylamine	70	6.271	6.271	0.0	91	349149	5.14	
57 Acetophenone	105	6.276	6.276	0.0	90	651329	4.96	
60 Hexachloroethane	117	6.383	6.383	0.0	91	238610	5.03	
61 Nitrobenzene	77	6.431	6.431	0.0	87	630965	4.94	
63 Isophorone	82	6.629	6.629	0.0	97	924885	4.97	
65 2-Nitrophenol	139	6.704	6.704	0.0	96	241354	5.26	
66 1,3,5-Trichlorobenzene	180	6.715	6.715	0.0	94	487455	4.88	
64 2,4-Dimethylphenol	107	6.720	6.720	0.0	96	485134	5.09	
69 Benzoic acid	122	6.763	6.763	0.0	88	535735	10.2	M
68 Bis(2-chloroethoxy)methane	93	6.806	6.806	0.0	96	689456	4.94	M
71 2,4-Dichlorophenol	162	6.907	6.907	0.0	97	376602	5.06	
72 1,2,4-Trichlorobenzene	180	6.988	6.988	0.0	93	488487	4.90	
73 Naphthalene	128	7.062	7.062	0.0	96	1349436	4.93	
74 4-Chloroaniline	127	7.089	7.089	0.0	82	570672	4.94	
77 Hexachlorobutadiene	225	7.159	7.159	0.0	93	256892	4.75	
78 1,2,3-Trichlorobenzene	180	7.180	7.180	0.0	89	460043	0	
83 Caprolactam	113	7.367	7.367	0.0	71	141953	5.76	
84 4-Chloro-3-methylphenol	107	7.480	7.480	0.0	95	406864	5.11	
85 2-Methylnaphthalene	142	7.645	7.645	0.0	91	900565	5.01	
86 1-Methylnaphthalene	142	7.731	7.731	0.0	83	817280	4.85	
88 Hexachlorocyclopentadiene	237	7.774	7.774	0.0	86	298596	5.23	
87 1,2,3,5-Tetrachlorobenzene	216	7.774	7.774	0.0	90	477751	4.93	
90 2,4,6-Trichlorophenol	196	7.875	7.875	0.0	92	264287	4.97	
91 2,4,5-Trichlorophenol	196	7.902	7.902	0.0	93	292578	5.04	
94 2,4-Toluene diamine	121	8.015	8.015	0.0	96	303358	5.69	
96 1,2,3,4 -Tetrachlorobenzene	216	8.031	8.031	0.0	87	460507	0	
95 1,1'-Biphenyl	154	8.036	8.036	0.0	94	1106375	4.98	
98 2-Chloronaphthalene	162	8.063	8.063	0.0	97	1018585	4.83	
100 2-Nitroaniline	65	8.132	8.132	0.0	77	308297	5.16	
103 Dimethyl phthalate	163	8.271	8.271	0.0	97	947788	4.89	
105 2,6-Dinitrotoluene	165	8.330	8.330	0.0	87	238939	4.96	
106 1,2-Dinitrobenzene	168	8.378	8.378	0.0	87	120592	4.89	
107 Acenaphthylene	152	8.416	8.416	0.0	92	1363557	4.92	
108 3-Nitroaniline	138	8.475	8.475	0.0	90	244174	5.11	
110 Acenaphthene	153	8.560	8.560	0.0	88	833543	4.82	
109 2,4-Dinitrophenol	184	8.560	8.560	0.0	65	237495	10.3	
111 4-Nitrophenol	109	8.587	8.587	0.0	94	141577	5.04	
112 2,4-Dinitrotoluene	165	8.672	8.672	0.0	84	332893	5.04	
114 Dibenzofuran	168	8.704	8.704	0.0	87	1201456	4.71	
115 2,3,5,6-Tetrachlorophenol	232	8.763	8.763	0.0	88	234900	5.10	
119 Diethyl phthalate	149	8.865	8.865	0.0	96	935405	4.83	
121 4-Chlorophenyl phenyl ether	204	8.983	8.983	0.0	92	553318	4.89	
124 Fluorene	166	8.993	8.993	0.0	84	991897	4.88	
123 4-Nitroaniline	138	8.988	8.988	0.0	83	250846	5.30	
126 4,6-Dinitro-2-methylphenol	198	9.015	9.015	0.0	77	150691	4.87	
130 N-Nitrosodiphenylamine	169	9.074	9.074	0.0	0	723884	4.85	
129 1,2-Diphenylhydrazine	77	9.116	9.116	0.0	0	1131317	4.92	
131 Azobenzene	77	9.116	9.116	0.0	99	1132028	4.92	
137 4-Bromophenyl phenyl ether	248	9.394	9.394	0.0	68	308702	4.84	
139 Hexachlorobenzene	284	9.459	9.459	0.0	87	303337	4.77	
140 Atrazine	200	9.507	9.507	0.0	90	211706	5.04	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.614	9.614	0.0	86	381503	10.5	
146 Phenanthrene	178	9.812	9.812	0.0	96	1431100	4.84	
147 Anthracene	178	9.854	9.854	0.0	98	1440708	4.88	
149 Carbazole	167	9.977	9.977	0.0	82	1379641	4.88	
151 Di-n-butyl phthalate	149	10.234	10.234	0.0	100	1579938	4.94	
157 Fluoranthene	202	10.817	10.817	0.0	98	1566759	4.83	
158 Benzidine	184	10.913	10.913	0.0	98	648603	5.19	
160 Pyrene	202	11.026	11.026	0.0	97	1646257	4.99	
166 Butyl benzyl phthalate	149	11.620	11.620	0.0	97	698839	5.22	
170 3,3'-Dimethoxybenzidine	244	12.224	12.224	0.0	92	324074	5.07	
173 3,3'-Dichlorobenzidine	252	12.267	12.267	0.0	72	560584	5.17	
172 4,4'-Methylene bis(2-chloroanili	231	12.267	12.267	0.0	70	278457	5.18	
171 Bis(2-ethylhexyl) phthalate	149	12.288	12.288	0.0	97	999795	5.16	
175 Benzo[a]anthracene	228	12.320	12.320	0.0	92	1452057	4.93	
176 Chrysene	228	12.368	12.368	0.0	94	1363111	4.88	
178 Di-n-octyl phthalate	149	13.192	13.192	0.0	99	1691307	5.31	
180 Benzo[b]fluoranthene	252	13.823	13.823	0.0	94	1433823	5.04	
181 Benzo[k]fluoranthene	252	13.866	13.866	0.0	99	1461143	4.79	
182 Benzo[a]pyrene	252	14.321	14.321	0.0	76	1377653	5.15	
186 Indeno[1,2,3-cd]pyrene	276	16.054	16.054	0.0	94	1476202	5.20	
187 Dibenz(a,h)anthracene	278	16.086	16.086	0.0	62	1256054	5.20	
188 Benzo[g,h,i]perylene	276	16.503	16.503	0.0	91	1264620	5.09	
S 189 Methyl Phenols,Total	100				0		5.08	

QC Flag Legend

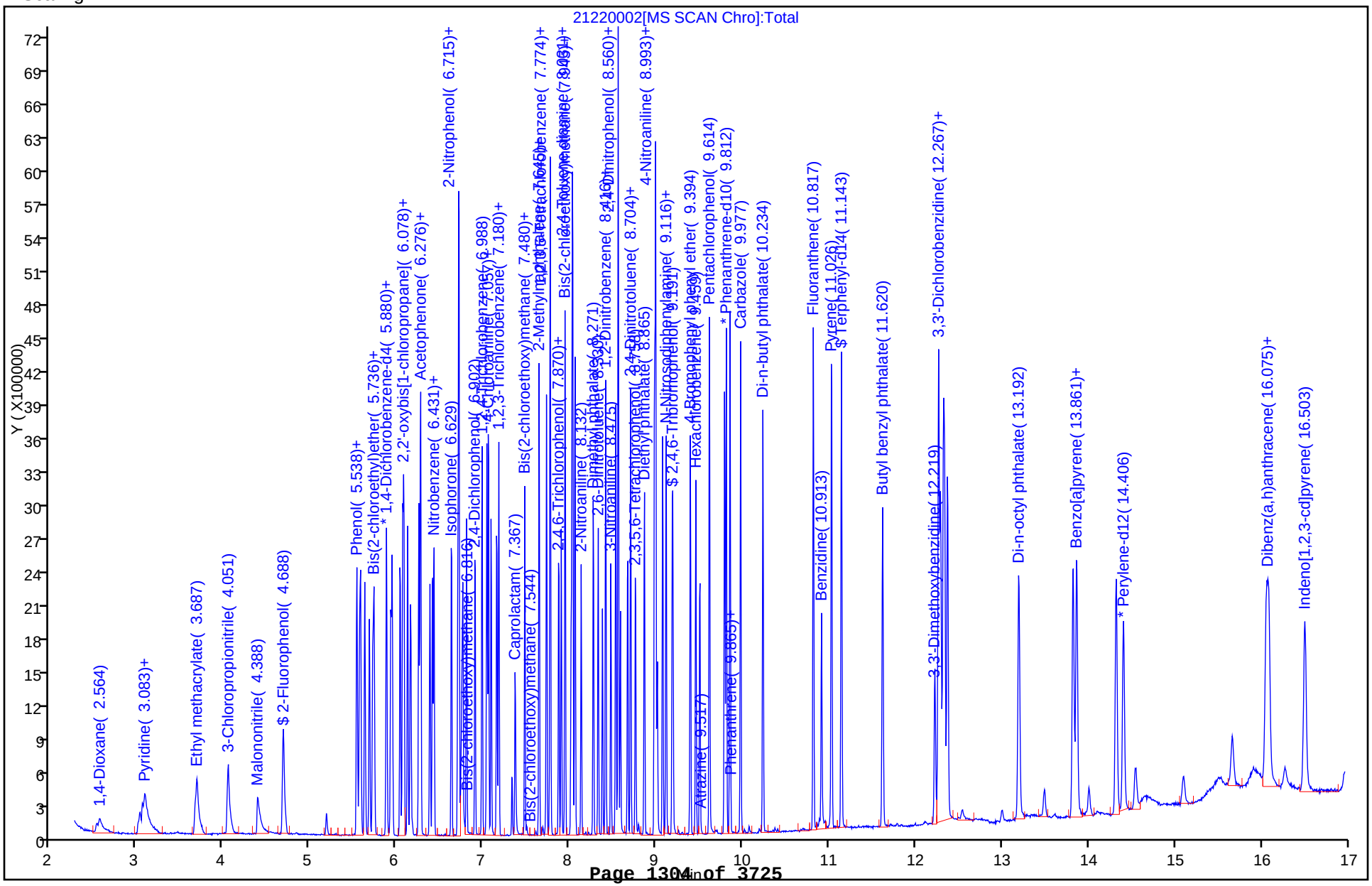
Review Flags
M - Manually Integrated

Report Date: 21-Dec-2012 09:00:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220002.D		
Injection Date:	20-Dec-2012 13:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

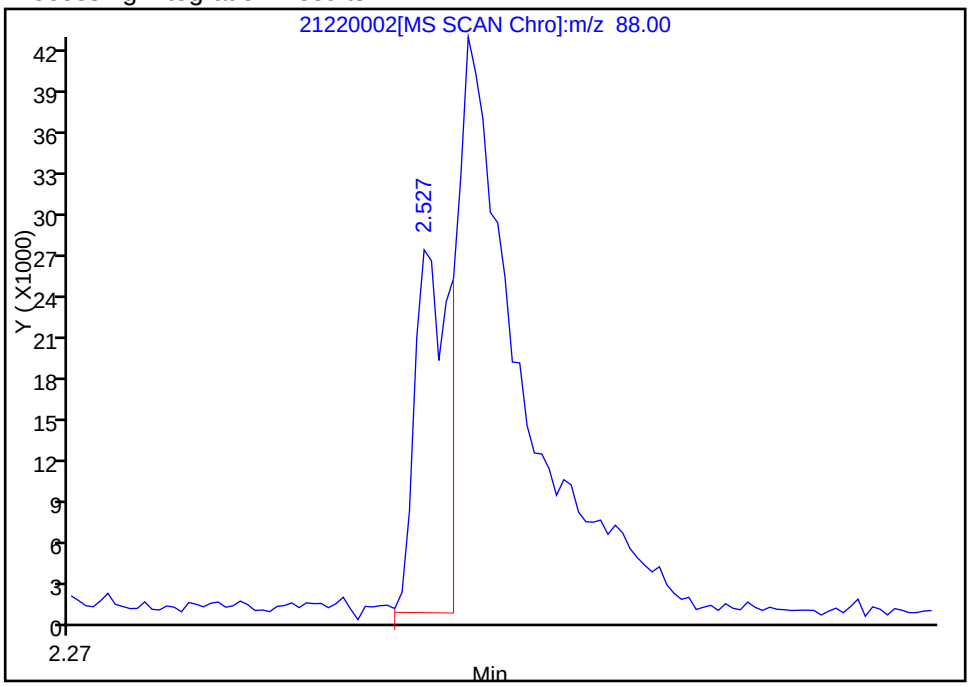
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220002.D		
Injection Date:	20-Dec-2012 13:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.56

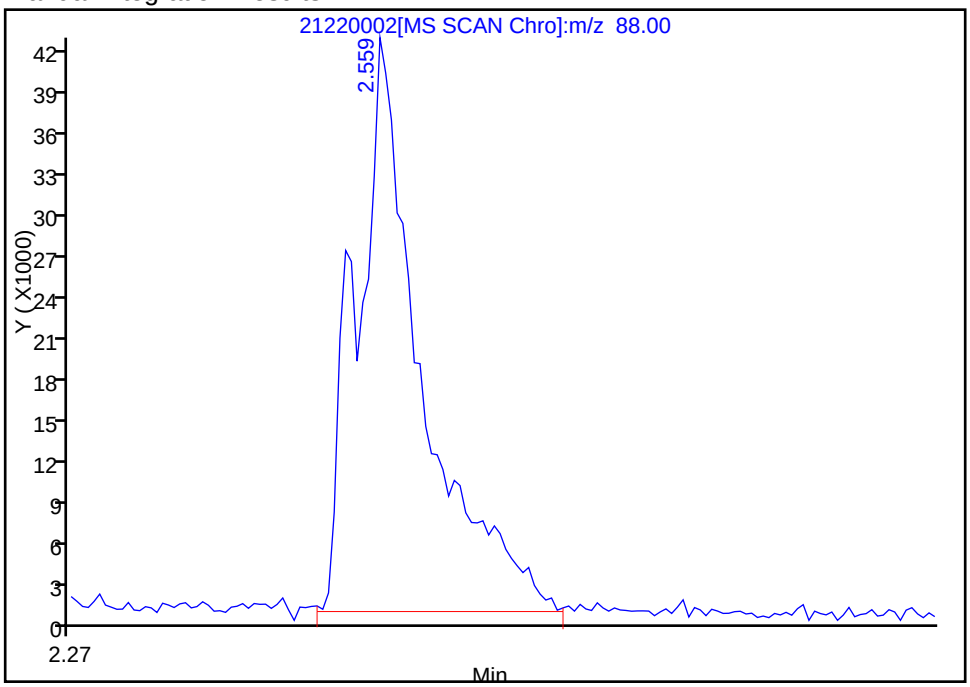
Processing Integration Results

RT: 2.53
Response: 47641
Amount: 5.000000



Manual Integration Results

RT: 2.56
Response: 179833
Amount: 4.616277



Reviewer: ulmanm, 20-Dec-2012 14:14:47
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

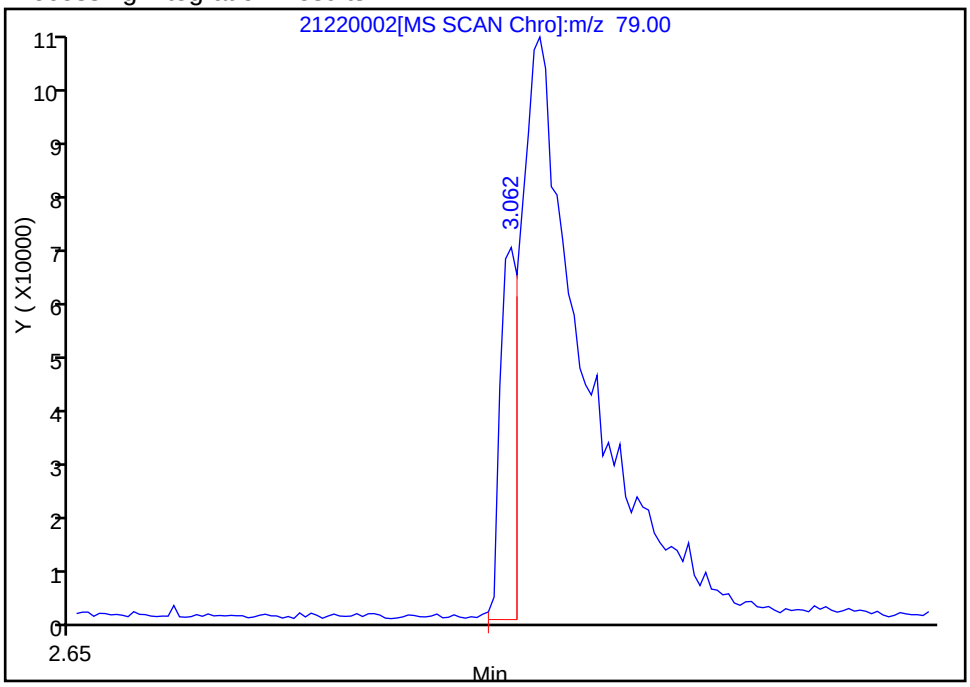
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220002.D		
Injection Date:	20-Dec-2012 13:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.09

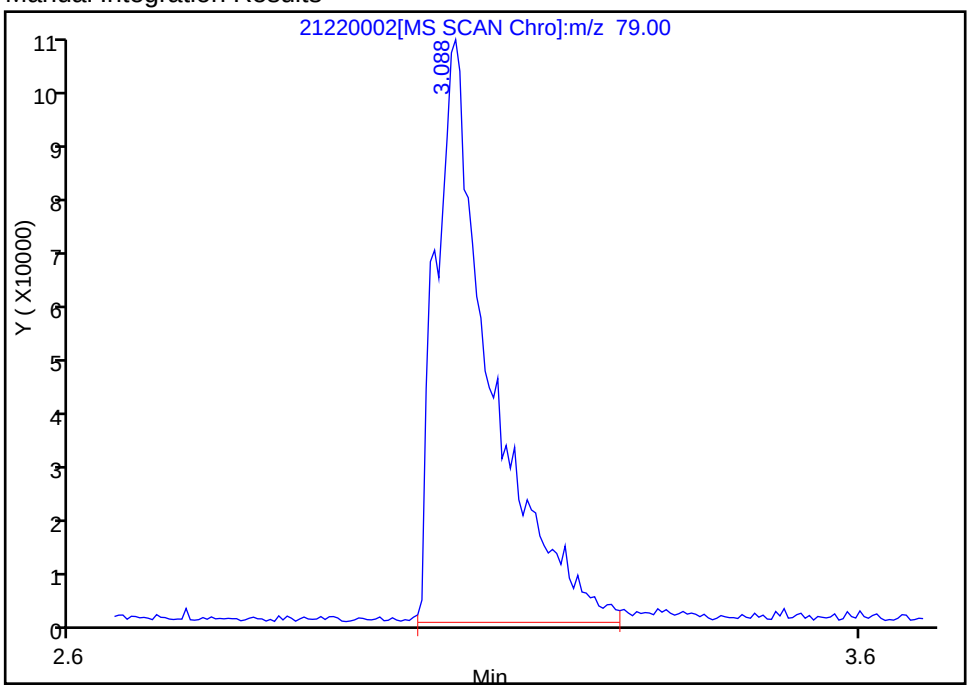
Processing Integration Results

RT: 3.06
Response: 74659
Amount: 5.000000



Manual Integration Results

RT: 3.09
Response: 492007
Amount: 5.148600



Reviewer: ulmanm, 20-Dec-2012 14:14:47
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

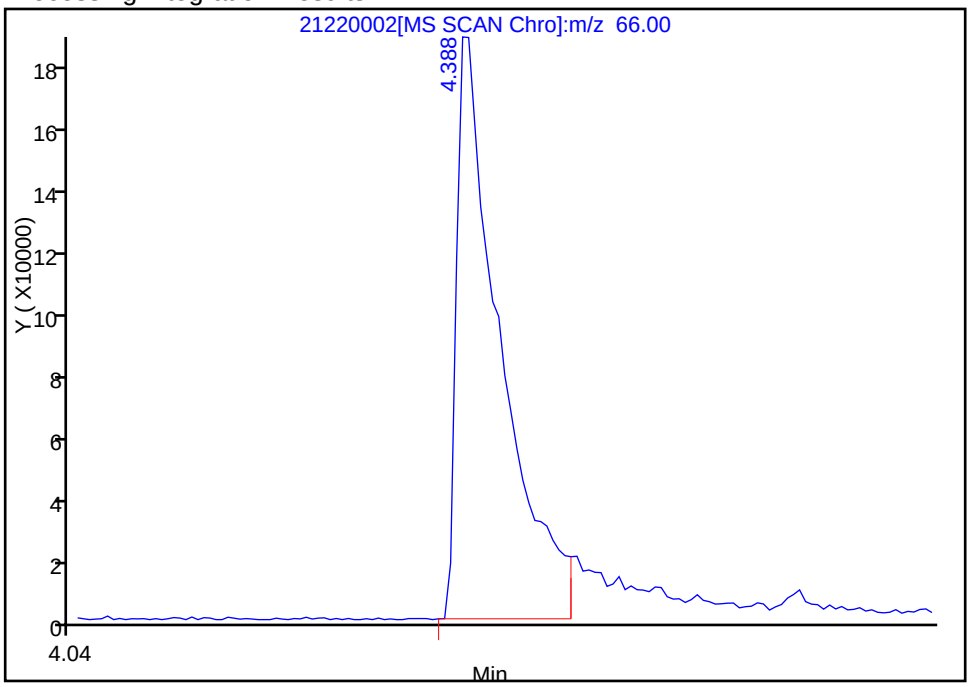
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220002.D		
Injection Date:	20-Dec-2012 13:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

32 Malononitrile, Signal: 1, m/z: 66.0 Type: quant, RT: 4.39

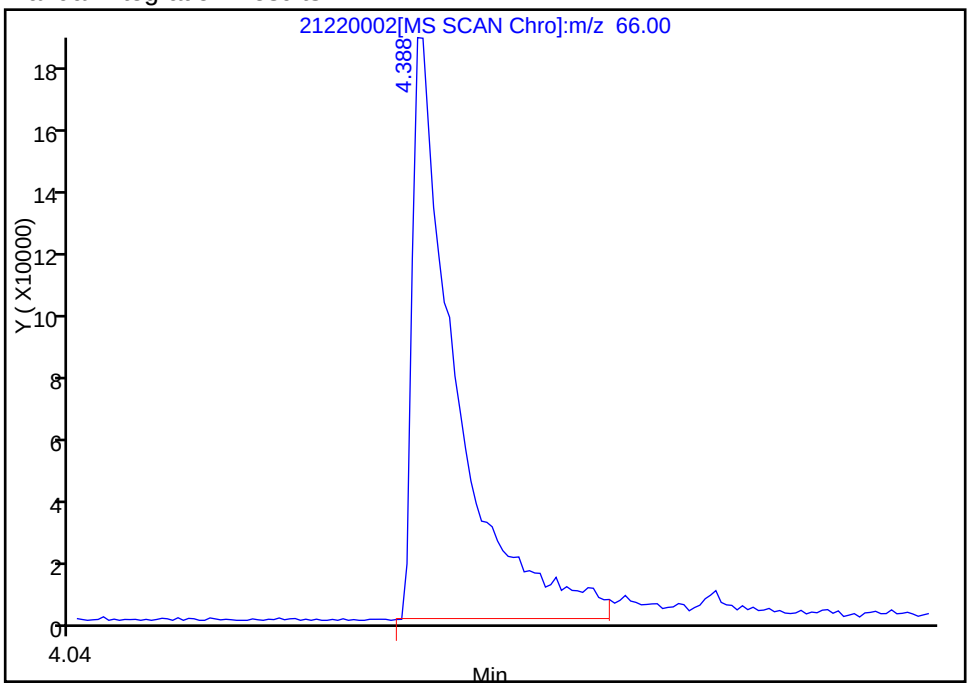
Processing Integration Results

RT: 4.39
Response: 508722
Amount: 5.000000



Manual Integration Results

RT: 4.39
Response: 570281
Amount: 5.148312



Reviewer: ulmanm, 20-Dec-2012 14:14:47
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

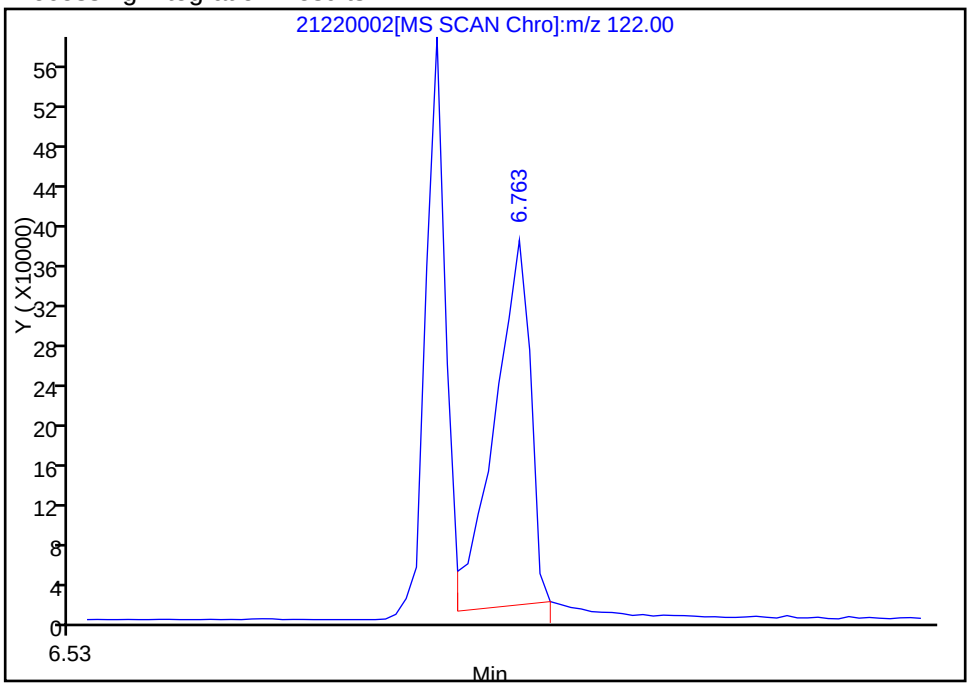
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220002.D		
Injection Date:	20-Dec-2012 13:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

69 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.76

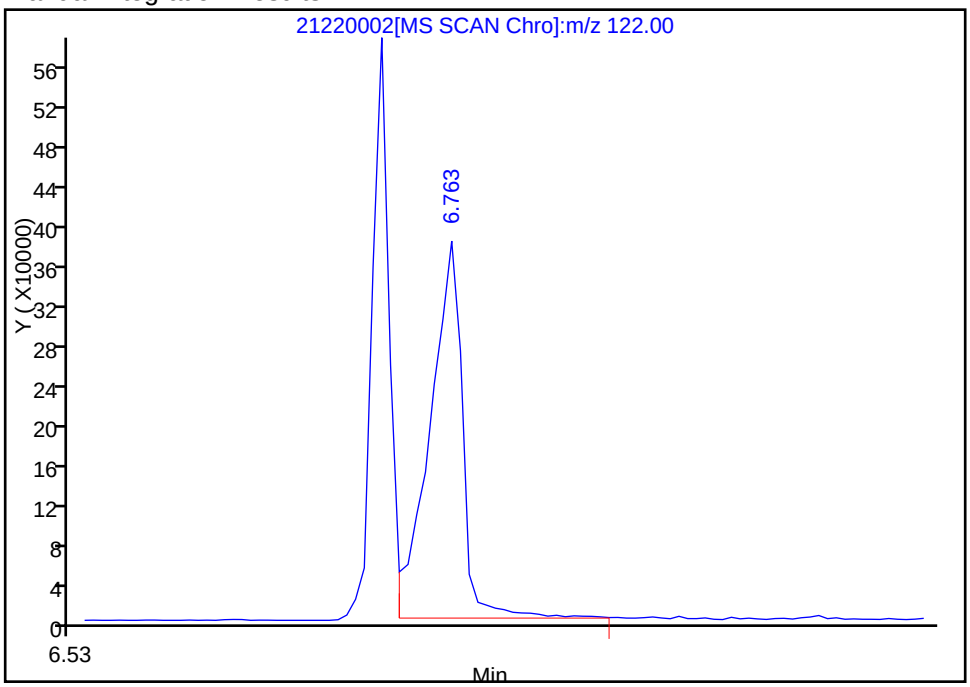
Processing Integration Results

RT: 6.76
Response: 479023
Amount: 15.580372



Manual Integration Results

RT: 6.76
Response: 535735
Amount: 10.155847



Reviewer: ulmanm, 20-Dec-2012 14:14:47
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

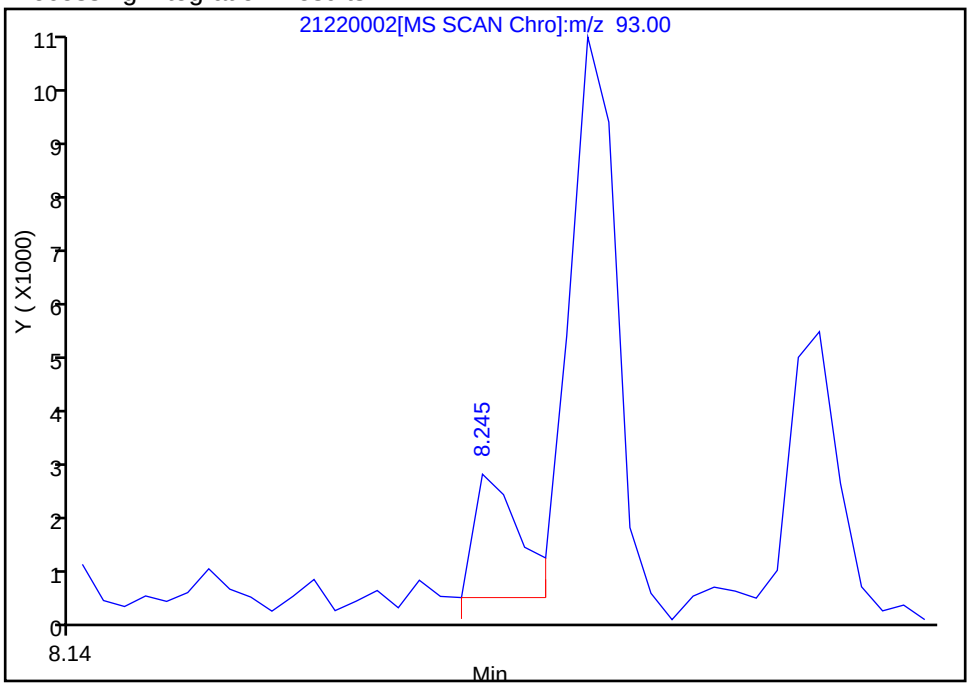
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220002.D		
Injection Date:	20-Dec-2012 13:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

68 Bis(2-chloroethoxy)methane, Signal: 1, m/z: 93.0 Type: quant, RT: 6.81

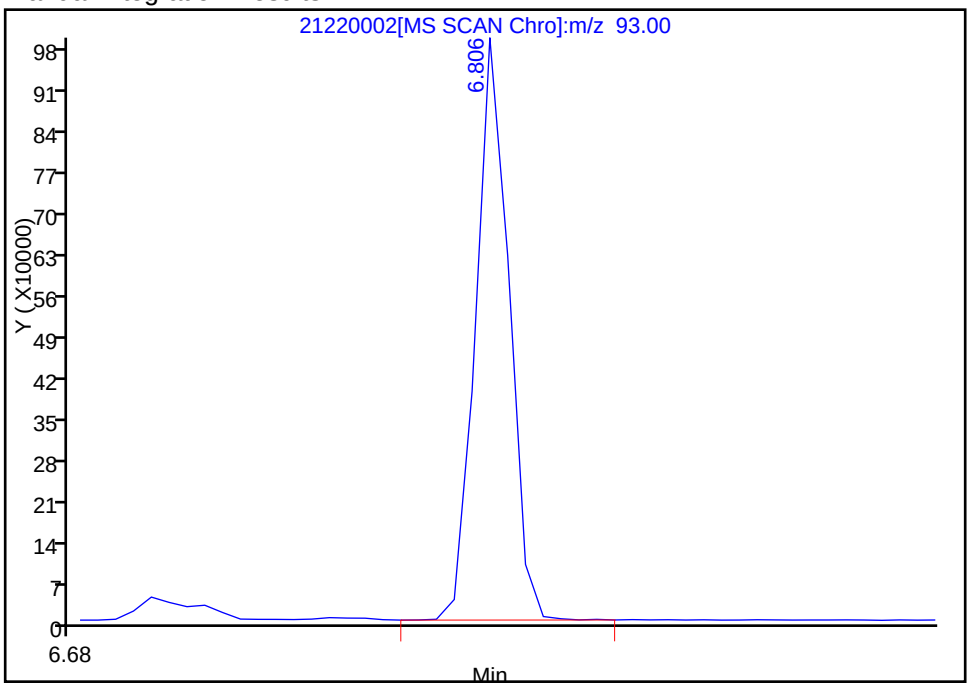
Processing Integration Results

RT: 8.24
Response: 1865
Amount: 0.019576



Manual Integration Results

RT: 6.81
Response: 689456
Amount: 4.942511



Reviewer: ulmanm, 20-Dec-2012 14:14:47
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220003.D		
Lims ID:	std4 tcl	Client ID:	
Inject. Date:	20-Dec-2012 14:11:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0016051-003		
Misc. Info.:	STD4 TCL		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	69576	Lims Sample ID:	3
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\8270_hp7.m		
Last Update:	21-Dec-2012 09:00:54	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	CORP-CTX-18		
First Level Reviewer: ulmanm		Date:	20-Dec-2012 14:36:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.929	5.929	0.0	97	284382	4.00	
* 2 Naphthalene-d8	136	7.041	7.041	0.0	100	1134758	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	89	675681	4.00	
* 4 Phenanthrene-d10	188	9.790	9.790	0.0	98	1087979	4.00	
* 5 Chrysene-d12	240	12.336	12.336	0.0	94	1136900	4.00	
* 6 Perylene-d12	264	14.401	14.406	-0.005	91	936841	4.00	
$ 7 2-Fluorophenol	112	4.688	4.688	0.0	93	173139	1.98	
$ 8 Phenol-d5	99	5.570	5.570	0.0	88	225329	1.94	
$ 9 Nitrobenzene-d5	82	6.410	6.410	0.0	92	240107	1.92	
$ 10 2-Fluorobiphenyl (Surr)	172	7.945	7.945	0.0	100	468848	1.94	
$ 11 2,4,6-Tribromophenol	330	9.197	9.197	0.0	92	43196	1.90	
$ 12 Terphenyl-d14	244	11.144	11.143	0.001	98	455650	1.96	
24 1,4-Dioxane	88	2.564	2.559	0.005	91	76308	1.90	M
25 N-Nitrosodimethylamine	74	3.035	3.030	0.005	87	100304	1.81	
26 Pyridine	79	3.089	3.088	0.001	86	187204	1.90	M
27 Ethyl methacrylate	69	3.688	3.687	0.001	91	153511	1.91	
28 3-Chloropropionitrile	54	4.051	4.051	0.0	85	144839	1.89	
32 Malononitrile	66	4.399	4.388	0.011	97	212971	1.86	M
40 Benzaldehyde	77	5.538	5.538	0.0	92	203039	2.21	
41 Phenol	94	5.581	5.581	0.0	96	236229	1.94	
43 Aniline	93	5.629	5.629	0.0	96	305197	1.93	
44 Bis(2-chloroethyl)ether	93	5.683	5.683	0.0	94	229666	1.95	
46 2-Chlorophenol	128	5.736	5.736	0.0	96	190522	1.98	
47 1,3-Dichlorobenzene	146	5.881	5.880	0.001	95	249648	2.00	
48 1,4-Dichlorobenzene	146	5.945	5.945	0.0	88	199865	1.93	
49 Benzyl alcohol	108	6.036	6.041	-0.005	89	114098	1.90	
50 1,2-Dichlorobenzene	146	6.084	6.084	0.0	80	234887	1.97	
51 2-Methylphenol	108	6.127	6.126	0.001	97	173107	1.98	
52 2,2'-oxybis[1-chloropropane]	45	6.159	6.159	0.0	91	337967	2.01	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.255	6.255	0.0	97	176038	1.88	
56 N-Nitrosodi-n-propylamine	70	6.271	6.271	0.0	90	136583	1.95	
57 Acetophenone	105	6.276	6.276	0.0	88	265670	1.96	
60 Hexachloroethane	117	6.383	6.383	0.0	92	94193	1.92	
61 Nitrobenzene	77	6.431	6.431	0.0	86	250851	1.94	
63 Isophorone	82	6.629	6.629	0.0	98	358724	1.91	
65 2-Nitrophenol	139	6.704	6.704	0.0	95	89854	1.93	
66 1,3,5-Trichlorobenzene	180	6.715	6.715	0.0	89	202285	2.00	
64 2,4-Dimethylphenol	107	6.720	6.720	0.0	96	189342	1.96	
69 Benzoic acid	122	6.747	6.763	-0.016	81	179400	4.14	
68 Bis(2-chloroethoxy)methane	93	6.806	6.806	0.0	95	274815	1.95	
71 2,4-Dichlorophenol	162	6.902	6.907	-0.005	97	148297	1.97	
72 1,2,4-Trichlorobenzene	180	6.988	6.988	0.0	93	198820	1.97	
73 Naphthalene	128	7.057	7.062	-0.005	97	537748	1.94	
74 4-Chloroaniline	127	7.089	7.089	0.0	83	232292	1.99	
77 Hexachlorobutadiene	225	7.154	7.159	-0.005	93	107000	1.95	
78 1,2,3-Trichlorobenzene	180	7.180	7.180	0.0	85	189781	0	
83 Caprolactam	113	7.367	7.367	0.0	72	51353	2.06	
84 4-Chloro-3-methylphenol	107	7.480	7.480	0.0	97	159178	1.98	
85 2-Methylnaphthalene	142	7.646	7.645	0.001	90	359727	1.98	
86 1-Methylnaphthalene	142	7.731	7.731	0.0	86	337236	1.98	
88 Hexachlorocyclopentadiene	237	7.774	7.774	0.0	93	112429	1.97	
87 1,2,3,5-Tetrachlorobenzene	216	7.774	7.774	0.0	95	186085	1.92	
90 2,4,6-Trichlorophenol	196	7.870	7.875	-0.005	95	101481	1.91	
91 2,4,5-Trichlorophenol	196	7.902	7.902	0.0	93	114167	1.97	
94 2,4-Toluene diamine	121	8.015	8.015	0.0	97	122319	2.27	
96 1,2,3,4 -Tetrachlorobenzene	216	8.025	8.031	-0.006	95	188443	0	
95 1,1'-Biphenyl	154	8.036	8.036	0.0	95	422519	1.90	
98 2-Chloronaphthalene	162	8.063	8.063	0.0	97	412301	1.95	
100 2-Nitroaniline	65	8.132	8.132	0.0	77	112588	1.88	
103 Dimethyl phthalate	163	8.271	8.271	0.0	96	372898	1.92	
105 2,6-Dinitrotoluene	165	8.330	8.330	0.0	89	90193	2.03	
106 1,2-Dinitrobenzene	168	8.378	8.378	0.0	87	44324	1.98	
107 Acenaphthylene	152	8.416	8.416	0.0	93	540583	1.95	
108 3-Nitroaniline	138	8.475	8.475	0.001	89	92591	1.94	
110 Acenaphthene	153	8.560	8.560	0.0	89	330305	1.91	
109 2,4-Dinitrophenol	184	8.560	8.560	0.0	54	70061	3.94	
111 4-Nitrophenol	109	8.587	8.587	0.0	93	52593	2.03	
112 2,4-Dinitrotoluene	165	8.667	8.672	-0.005	85	122378	2.03	
114 Dibenzofuran	168	8.705	8.704	0.001	88	492011	1.93	
115 2,3,5,6-Tetrachlorophenol	232	8.758	8.763	-0.005	92	90211	1.96	
119 Diethyl phthalate	149	8.860	8.865	-0.005	96	367622	1.90	
121 4-Chlorophenyl phenyl ether	204	8.983	8.983	0.0	95	221697	1.96	
124 Fluorene	166	8.993	8.993	0.0	77	401260	1.97	
123 4-Nitroaniline	138	8.988	8.988	0.0	82	85142	1.80	
126 4,6-Dinitro-2-methylphenol	198	9.015	9.015	0.0	75	47180	2.05	
130 N-Nitrosodiphenylamine	169	9.074	9.074	0.0	0	291322	1.98	
129 1,2-Diphenylhydrazine	77	9.116	9.116	0.0	0	429277	1.89	
131 Azobenzene	77	9.116	9.116	0.0	99	429897	1.89	
137 4-Bromophenyl phenyl ether	248	9.395	9.394	0.001	68	123649	1.96	
139 Hexachlorobenzene	284	9.459	9.459	0.0	84	119581	1.90	
140 Atrazine	200	9.507	9.507	0.0	91	82861	2.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.614	9.614	0.0	80	145282	4.04	
146 Phenanthrene	178	9.812	9.812	0.0	94	559047	1.91	
147 Anthracene	178	9.855	9.854	0.001	97	567910	1.95	
149 Carbazole	167	9.978	9.977	0.001	82	554618	1.99	
151 Di-n-butyl phthalate	149	10.234	10.234	0.0	100	612574	1.94	
157 Fluoranthene	202	10.817	10.817	0.0	97	620296	1.94	
158 Benzidine	184	10.914	10.913	0.001	98	200114	1.97	
160 Pyrene	202	11.026	11.026	0.0	96	645409	1.96	
166 Butyl benzyl phthalate	149	11.620	11.620	0.0	95	255412	1.91	
170 3,3'-Dimethoxybenzidine	244	12.224	12.224	0.0	92	101000	2.08	
173 3,3'-Dichlorobenzidine	252	12.267	12.267	0.0	72	212192	1.96	
172 4,4'-Methylene bis(2-chloroanili	231	12.267	12.267	0.0	69	100694	2.01	
171 Bis(2-ethylhexyl) phthalate	149	12.288	12.288	0.0	97	371438	2.05	
175 Benzo[a]anthracene	228	12.320	12.320	0.0	94	570375	1.94	
176 Chrysene	228	12.368	12.368	0.0	92	535155	1.92	
178 Di-n-octyl phthalate	149	13.197	13.192	0.005	98	543454	1.95	
180 Benzo[b]fluoranthene	252	13.823	13.823	0.0	92	520857	1.86	
181 Benzo[k]fluoranthene	252	13.861	13.866	-0.005	95	602267	2.01	M
182 Benzo[a]pyrene	252	14.321	14.321	0.0	76	519508	1.98	
186 Indeno[1,2,3-cd]pyrene	276	16.054	16.054	0.0	97	557646	2.00	
187 Dibenz(a,h)anthracene	278	16.080	16.086	-0.006	69	465846	1.96	
188 Benzo[g,h,i]perylene	276	16.498	16.503	-0.005	95	483573	1.98	
S 189 Methyl Phenols,Total	100				0		1.98	

QC Flag Legend

Review Flags
M - Manually Integrated

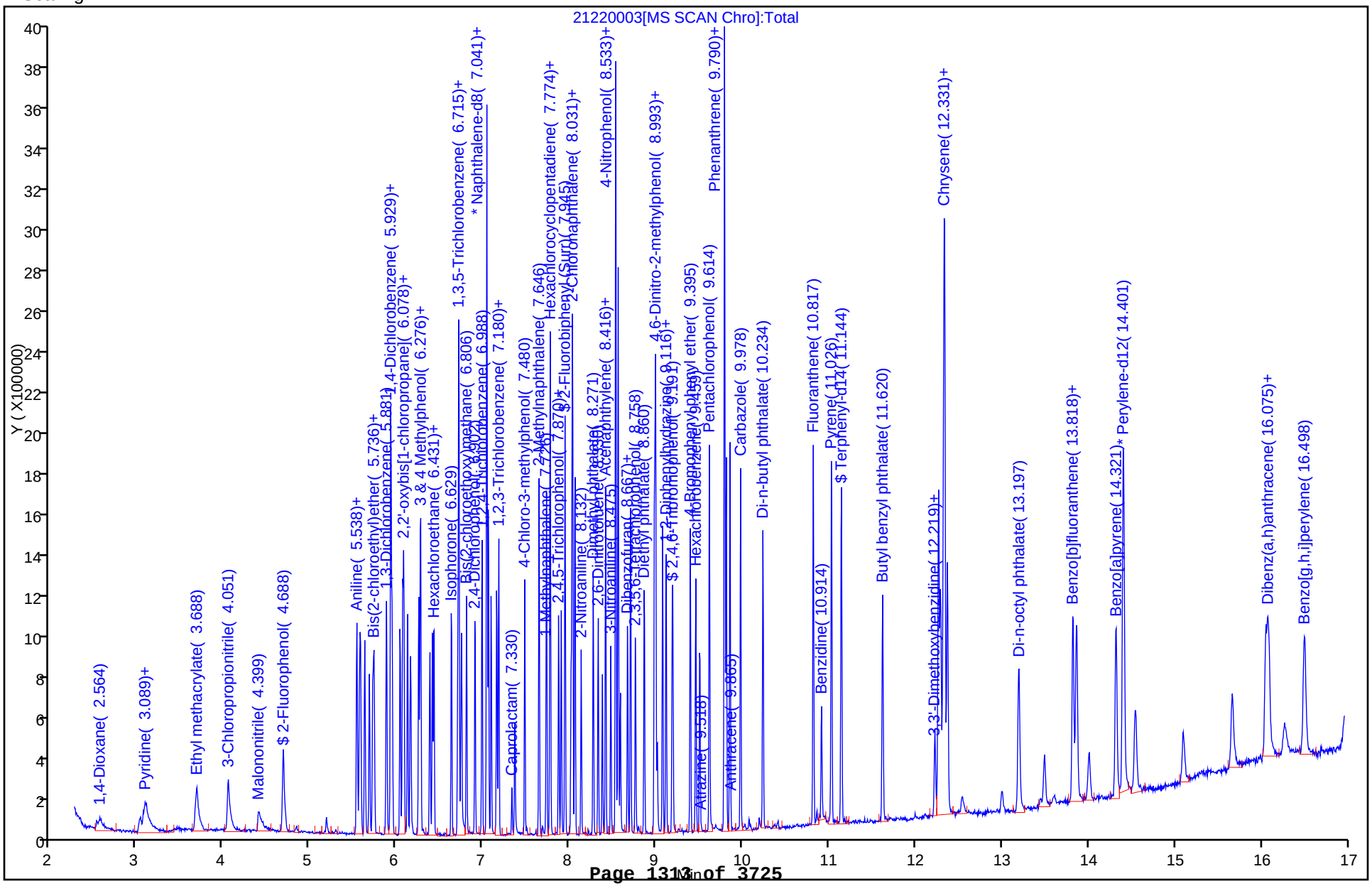
Report Date: 21-Dec-2012 09:00:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220003.D

Injection Date:	20-Dec-2012 14:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

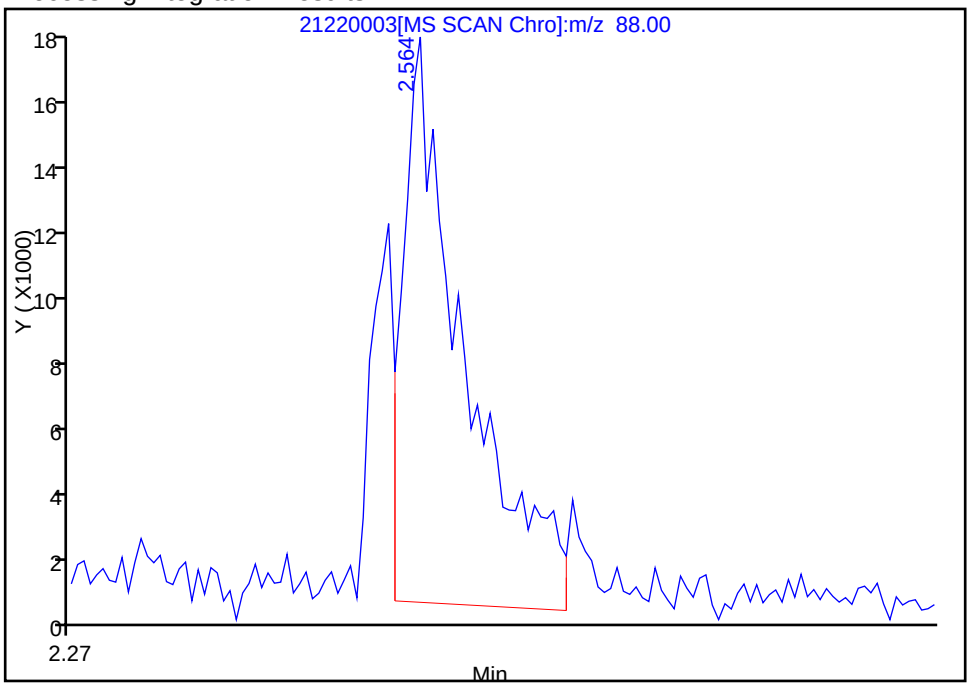
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220003.D		
Injection Date:	20-Dec-2012 14:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.56

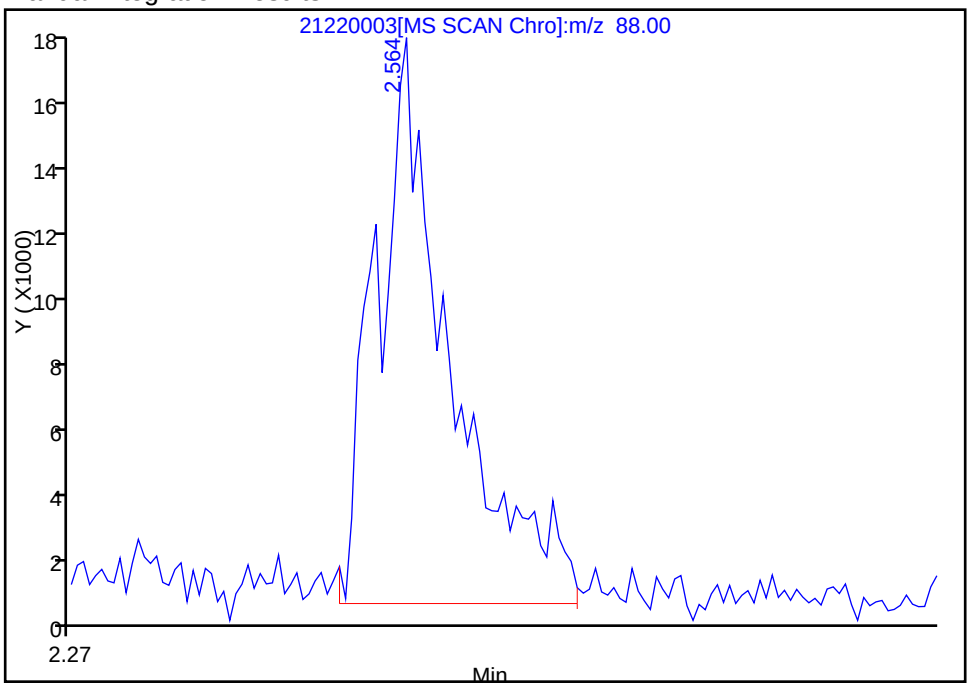
Processing Integration Results

RT: 2.56
Response: 61042
Amount: 1.804380



Manual Integration Results

RT: 2.56
Response: 76308
Amount: 1.896985



Reviewer: ulmanm, 20-Dec-2012 14:36:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

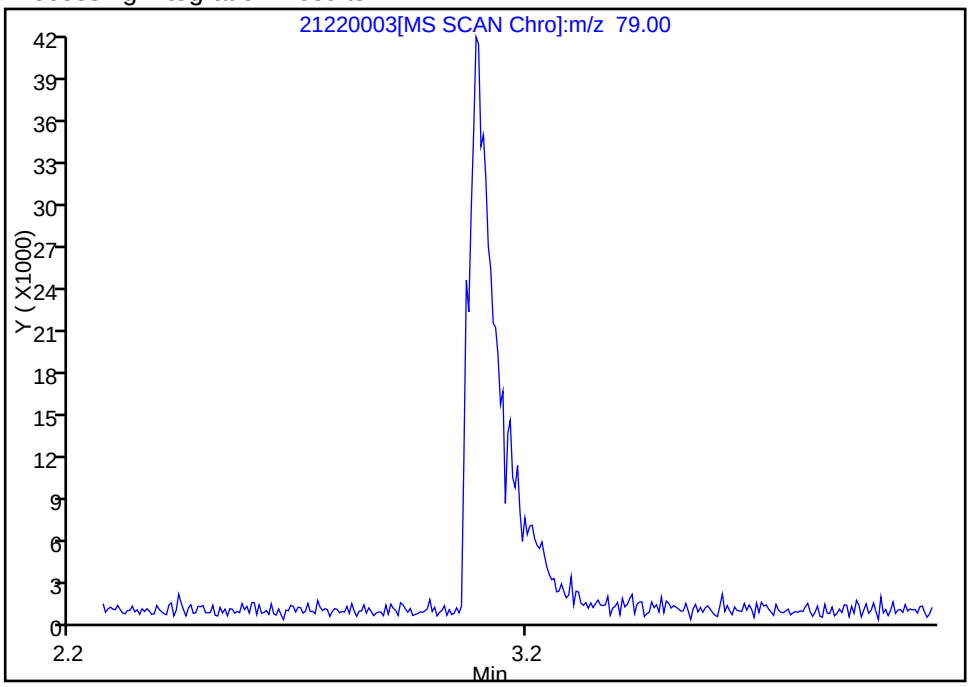
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220003.D		
Injection Date:	20-Dec-2012 14:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.09

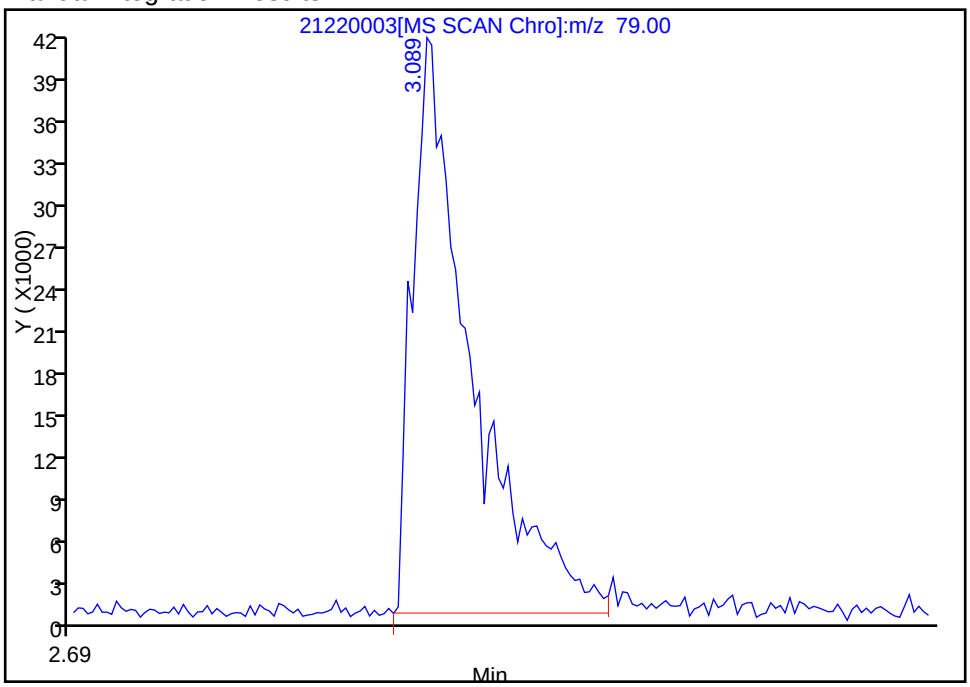
Processing Integration Results

Not Detected
Expected RT: 3.09



Manual Integration Results

RT: 3.09
Response: 187204
Amount: 1.897161



Reviewer: ulmanm, 20-Dec-2012 14:36:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

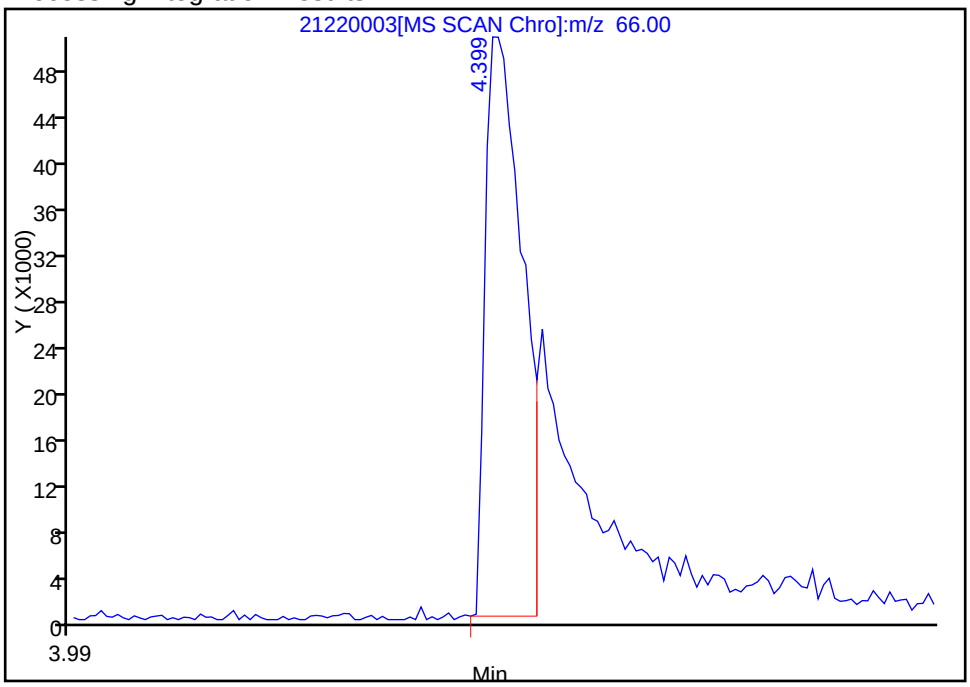
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220003.D		
Injection Date:	20-Dec-2012 14:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

32 Malononitrile, Signal: 1, m/z: 66.0 Type: quant, RT: 4.39

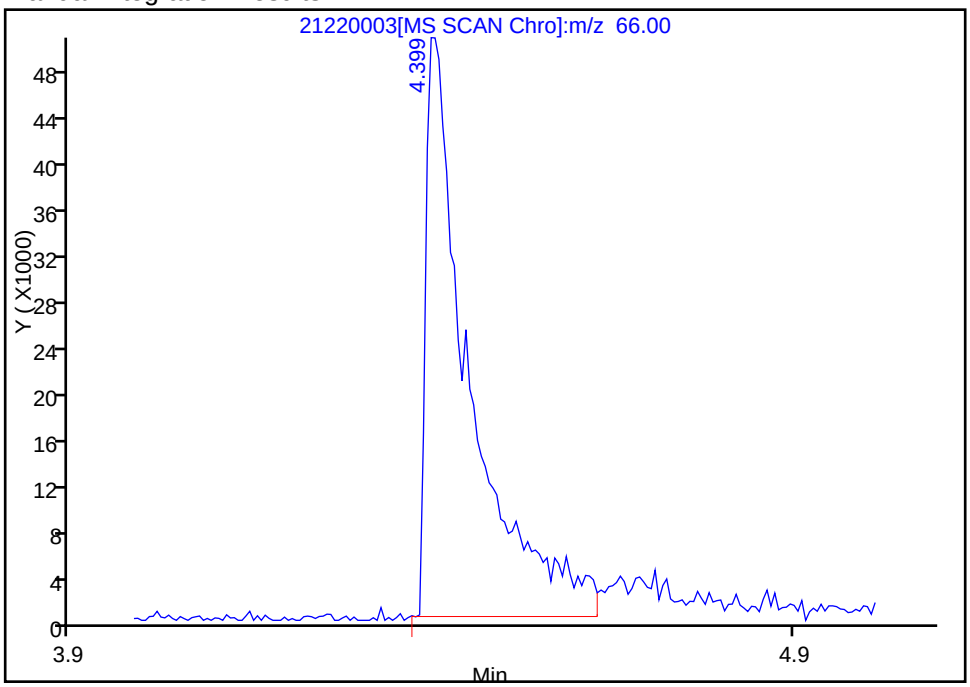
Processing Integration Results

RT: 4.40
Response: 126365
Amount: 1.396638



Manual Integration Results

RT: 4.40
Response: 212971
Amount: 1.861949



Reviewer: ulmanm, 20-Dec-2012 14:36:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

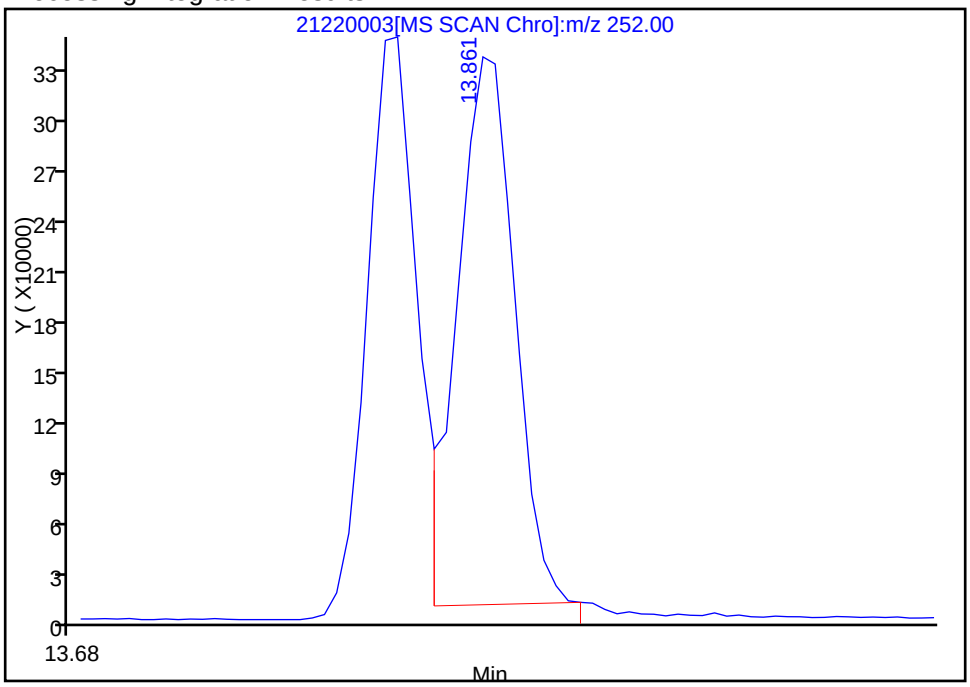
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220003.D		
Injection Date:	20-Dec-2012 14:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.87

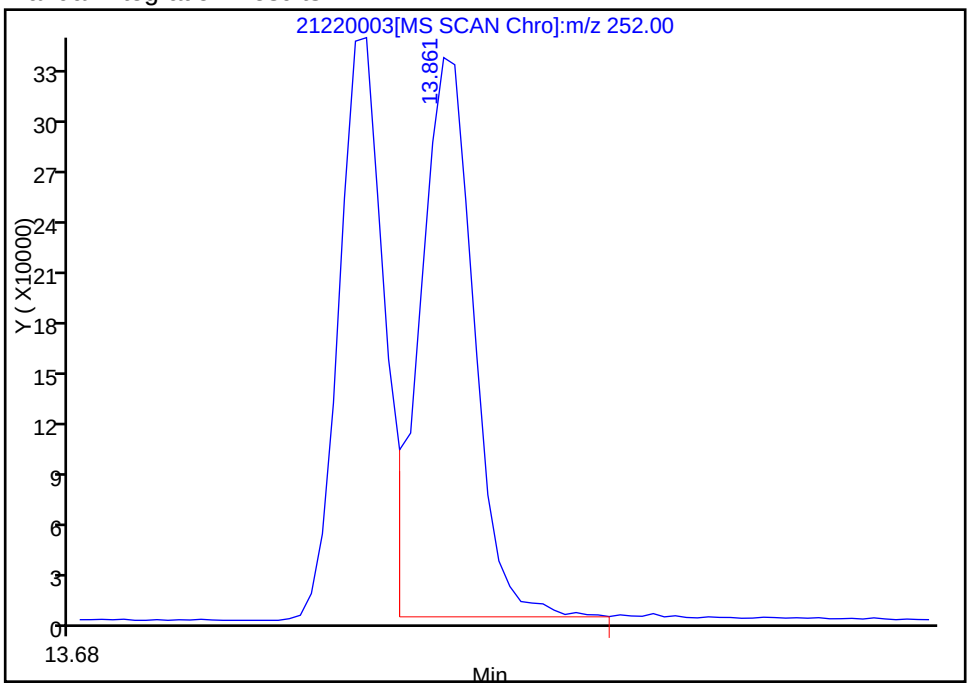
Processing Integration Results

RT: 13.86
Response: 567239
Amount: 2.163305



Manual Integration Results

RT: 13.86
Response: 602267
Amount: 2.006994



Reviewer: ulmanm, 20-Dec-2012 14:40:39
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220004.D
Lims ID: std3 tcl
Client ID:
Inject. Date: 20-Dec-2012 14:34:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 3
Sample ID: 240-0016051-004
Misc. Info.: STD3 TCL
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 4
Lims Batch ID: 69576
Lims Sample ID: 4
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\8270_hp7.m
Last Update: 21-Dec-2012 09:00:55
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm
Date: 20-Dec-2012 15:03:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.929	5.929	0.0	96	273520	4.00	
* 2 Naphthalene-d8	136	7.041	7.041	0.0	100	1097952	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	89	657923	4.00	
* 4 Phenanthrene-d10	188	9.790	9.790	0.0	98	1031313	4.00	
* 5 Chrysene-d12	240	12.336	12.336	0.0	95	1097584	4.00	
* 6 Perylene-d12	264	14.401	14.406	-0.005	92	864589	4.00	
$ 7 2-Fluorophenol	112	4.688	4.688	0.0	93	75732	0.9025	
$ 8 Phenol-d5	99	5.570	5.570	0.0	89	110441	0.9886	
$ 9 Nitrobenzene-d5	82	6.410	6.410	0.0	93	113113	0.9352	
$ 10 2-Fluorobiphenyl (Surr)	172	7.945	7.945	0.0	99	233900	0.99	
$ 11 2,4,6-Tribromophenol	330	9.197	9.197	0.0	83	19353	0.8748	
$ 12 Terphenyl-d14	244	11.144	11.143	0.001	98	212084	0.9444	
24 1,4-Dioxane	88	2.559	2.559	0.0	67	39884	1.03	M
25 N-Nitrosodimethylamine	74	3.035	3.030	0.005	86	49516	0.9300	M
26 Pyridine	79	3.105	3.088	0.017	93	84682	0.8923	M
27 Ethyl methacrylate	69	3.688	3.687	0.001	79	78258	1.01	M
28 3-Chloropropionitrile	54	4.051	4.051	0.0	83	65694	0.8919	
32 Malononitrile	66	4.415	4.388	0.027	95	98083	0.8916	M
40 Benzaldehyde	77	5.538	5.538	0.0	86	93491	1.06	
41 Phenol	94	5.581	5.581	0.0	98	115788	0.9893	
43 Aniline	93	5.629	5.629	0.0	97	145354	0.9558	
44 Bis(2-chloroethyl)ether	93	5.683	5.683	0.0	90	112766	0.99	
46 2-Chlorophenol	128	5.736	5.736	0.0	95	90929	0.9836	
47 1,3-Dichlorobenzene	146	5.881	5.880	0.001	95	115887	0.9661	
48 1,4-Dichlorobenzene	146	5.945	5.945	0.0	89	98791	0.99	
49 Benzyl alcohol	108	6.036	6.041	-0.005	87	54268	0.9413	
50 1,2-Dichlorobenzene	146	6.084	6.084	0.0	92	112026	0.9752	
51 2-Methylphenol	108	6.127	6.126	0.001	97	77322	0.9203	
52 2,2'-oxybis[1-chloropropane]	45	6.159	6.159	0.0	89	156986	0.9697	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.255	6.255	0.0	96	86993	0.9641	
56 N-Nitrosodi-n-propylamine	70	6.271	6.271	0.0	91	66625	0.9873	
57 Acetophenone	105	6.276	6.276	0.0	86	127481	0.9776	
60 Hexachloroethane	117	6.383	6.383	0.0	91	45828	0.9718	
61 Nitrobenzene	77	6.431	6.431	0.0	83	119839	0.9577	
63 Isophorone	82	6.629	6.629	0.0	96	178573	0.9806	
65 2-Nitrophenol	139	6.704	6.704	0.0	90	37714	0.8392	
66 1,3,5-Trichlorobenzene	180	6.715	6.715	0.0	90	93855	0.9595	
64 2,4-Dimethylphenol	107	6.720	6.720	0.0	95	91401	0.9788	
69 Benzoic acid	122	6.742	6.763	-0.021	81	65355	2.26	M
68 Bis(2-chloroethoxy)methane	93	6.806	6.806	0.0	96	136747	1.00	
71 2,4-Dichlorophenol	162	6.907	6.907	0.0	92	66183	0.9081	
72 1,2,4-Trichlorobenzene	180	6.988	6.988	0.0	92	94189	0.9640	
73 Naphthalene	128	7.057	7.062	-0.005	96	253148	0.9434	
74 4-Chloroaniline	127	7.089	7.089	0.0	82	107943	0.9536	
77 Hexachlorobutadiene	225	7.159	7.159	0.0	91	52834	1.00	
78 1,2,3-Trichlorobenzene	180	7.180	7.180	0.0	86	89268	0	
83 Caprolactam	113	7.362	7.367	-0.005	73	22649	0.9389	M
84 4-Chloro-3-methylphenol	107	7.480	7.480	0.0	96	71135	0.9124	
85 2-Methylnaphthalene	142	7.646	7.645	0.001	88	170224	0.9669	
86 1-Methylnaphthalene	142	7.731	7.731	0.0	82	160425	0.9720	
88 Hexachlorocyclopentadiene	237	7.774	7.774	0.0	84	49155	0.8840	
87 1,2,3,5-Tetrachlorobenzene	216	7.774	7.774	0.0	90	92347	0.9773	
90 2,4,6-Trichlorophenol	196	7.870	7.875	-0.005	91	44237	0.8546	
91 2,4,5-Trichlorophenol	196	7.902	7.902	0.0	91	49549	0.8764	
94 2,4-Toluene diamine	121	8.015	8.015	0.0	97	59625	1.14	
96 1,2,3,4 -Tetrachlorobenzene	216	8.025	8.031	-0.006	94	94958	0	
95 1,1'-Biphenyl	154	8.036	8.036	0.0	92	212825	0.9836	
98 2-Chloronaphthalene	162	8.063	8.063	0.0	95	198200	0.9639	
100 2-Nitroaniline	65	8.132	8.132	0.0	69	50063	0.8603	
103 Dimethyl phthalate	163	8.271	8.271	0.0	97	178746	0.9459	
105 2,6-Dinitrotoluene	165	8.330	8.330	0.0	86	38386	1.00	
106 1,2-Dinitrobenzene	168	8.378	8.378	0.0	82	20145	1.06	
107 Acenaphthylene	152	8.416	8.416	0.0	93	253336	0.9373	
108 3-Nitroaniline	138	8.475	8.475	0.001	88	42438	0.9119	
110 Acenaphthene	153	8.560	8.560	0.0	94	166180	0.9868	
109 2,4-Dinitrophenol	184	8.560	8.560	0.0	53	21815	2.09	
111 4-Nitrophenol	109	8.587	8.587	0.0	92	23425	1.03	
112 2,4-Dinitrotoluene	165	8.667	8.672	-0.005	77	51478	1.01	
114 Dibenzofuran	168	8.705	8.704	0.001	88	240077	0.9665	
115 2,3,5,6-Tetrachlorophenol	232	8.763	8.763	0.0	92	38023	0.8479	
119 Diethyl phthalate	149	8.860	8.865	-0.005	96	180276	0.9555	
121 4-Chlorophenyl phenyl ether	204	8.983	8.983	0.0	95	110586	1.00	
123 4-Nitroaniline	138	8.988	8.988	0.0	80	38052	0.8254	
124 Fluorene	166	8.993	8.993	0.0	80	186059	0.9393	
126 4,6-Dinitro-2-methylphenol	198	9.015	9.015	0.0	58	16767	1.22	
130 N-Nitrosodiphenylamine	169	9.074	9.074	0.0	0	130976	0.9375	
129 1,2-Diphenylhydrazine	77	9.116	9.116	0.0	0	206495	0.9587	
131 Azobenzene	77	9.116	9.116	0.0	99	206495	0.9587	
137 4-Bromophenyl phenyl ether	248	9.395	9.394	0.001	69	58679	0.9813	
139 Hexachlorobenzene	284	9.459	9.459	0.0	87	59940	1.01	
140 Atrazine	200	9.507	9.507	0.0	88	37822	0.9617	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.614	9.614	0.0	85	62119	1.82	
146 Phenanthrene	178	9.812	9.812	0.0	93	267036	0.9645	
147 Anthracene	178	9.855	9.854	0.001	97	267191	0.9667	
149 Carbazole	167	9.978	9.977	0.001	83	249019	0.9404	
151 Di-n-butyl phthalate	149	10.234	10.234	0.0	100	273490	0.9137	
157 Fluoranthene	202	10.817	10.817	0.0	97	289154	0.9516	
158 Benzidine	184	10.914	10.913	0.001	96	77469	1.08	
160 Pyrene	202	11.026	11.026	0.0	97	300514	0.9463	
166 Butyl benzyl phthalate	149	11.620	11.620	0.0	94	108424	0.8413	
170 3,3'-Dimethoxybenzidine	244	12.224	12.224	0.0	83	29916	1.11	
173 3,3'-Dichlorobenzidine	252	12.267	12.267	0.0	71	93229	0.8939	
172 4,4'-Methylene bis(2-chloroanili	231	12.267	12.267	0.0	73	40773	0.9509	
171 Bis(2-ethylhexyl) phthalate	149	12.294	12.288	0.006	97	155375	0.9689	
175 Benzo[a]anthracene	228	12.320	12.320	0.0	93	272095	0.9589	
176 Chrysene	228	12.368	12.368	0.0	90	257527	0.9581	
178 Di-n-octyl phthalate	149	13.192	13.192	0.0	97	203542	0.9548	
180 Benzo[b]fluoranthene	252	13.823	13.823	0.0	91	258712	1.00	
181 Benzo[k]fluoranthene	252	13.861	13.866	-0.005	89	269051	0.9715	M
182 Benzo[a]pyrene	252	14.321	14.321	0.0	74	227095	0.9357	
186 Indeno[1,2,3-cd]pyrene	276	16.054	16.054	0.0	97	246057	0.9555	
187 Dibenz(a,h)anthracene	278	16.080	16.086	-0.006	62	208512	0.9512	
188 Benzo[g,h,i]perylene	276	16.498	16.503	-0.005	92	221109	0.9803	
S 189 Methyl Phenols,Total	100				0		0.9203	

QC Flag Legend

Review Flags
M - Manually Integrated

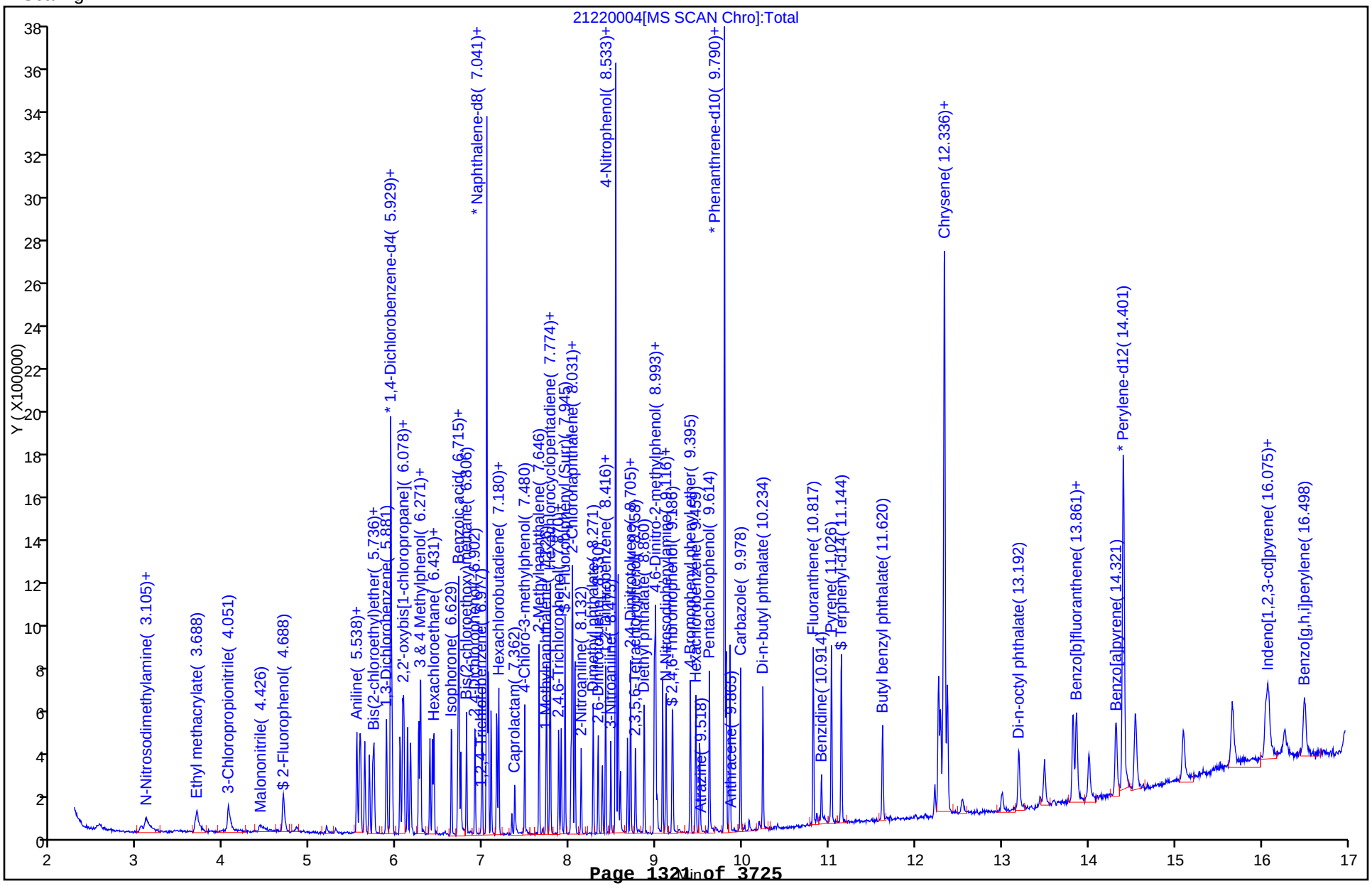
Report Date: 21-Dec-2012 09:00:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220004.D

Injection Date:	20-Dec-2012 14:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

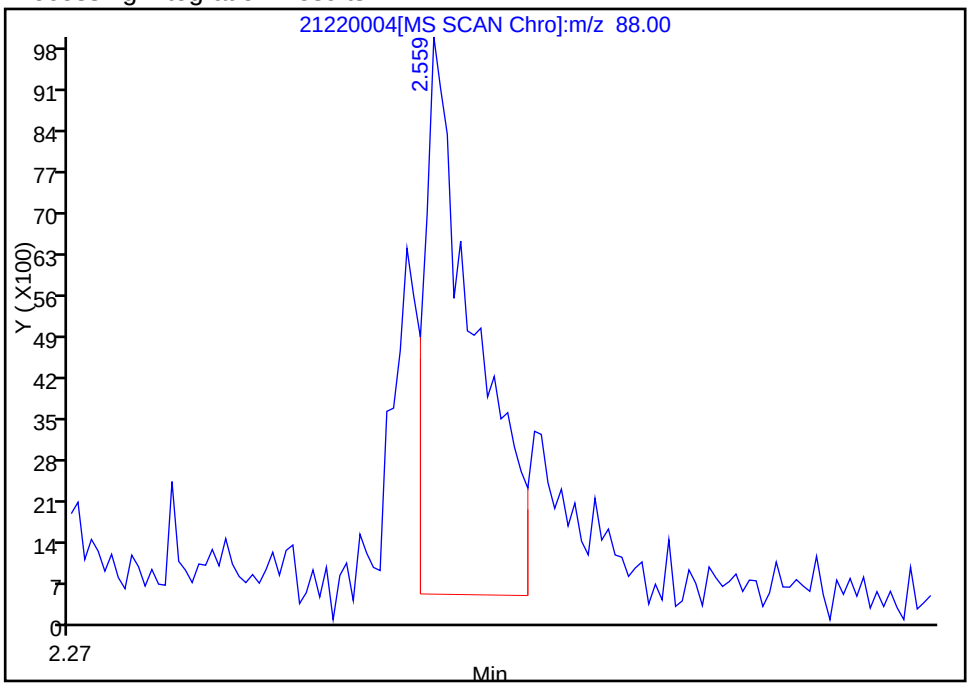
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220004.D		
Injection Date:	20-Dec-2012 14:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.56

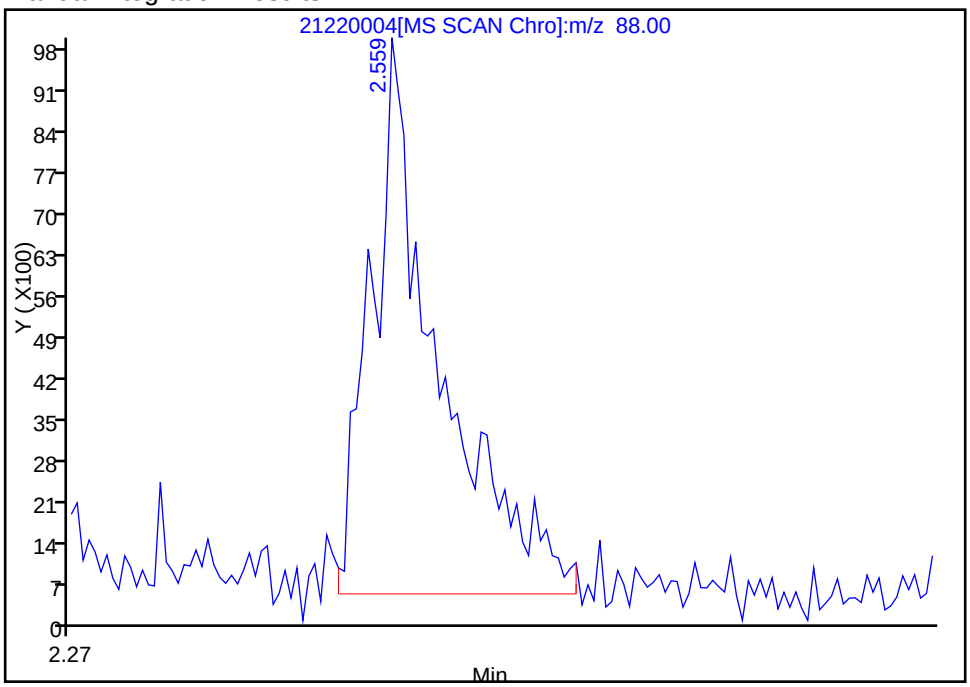
Processing Integration Results

RT: 2.56
Response: 26142
Amount: 0.795726



Manual Integration Results

RT: 2.56
Response: 39884
Amount: 1.030874



Reviewer: ulmanm, 20-Dec-2012 15:03:42
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

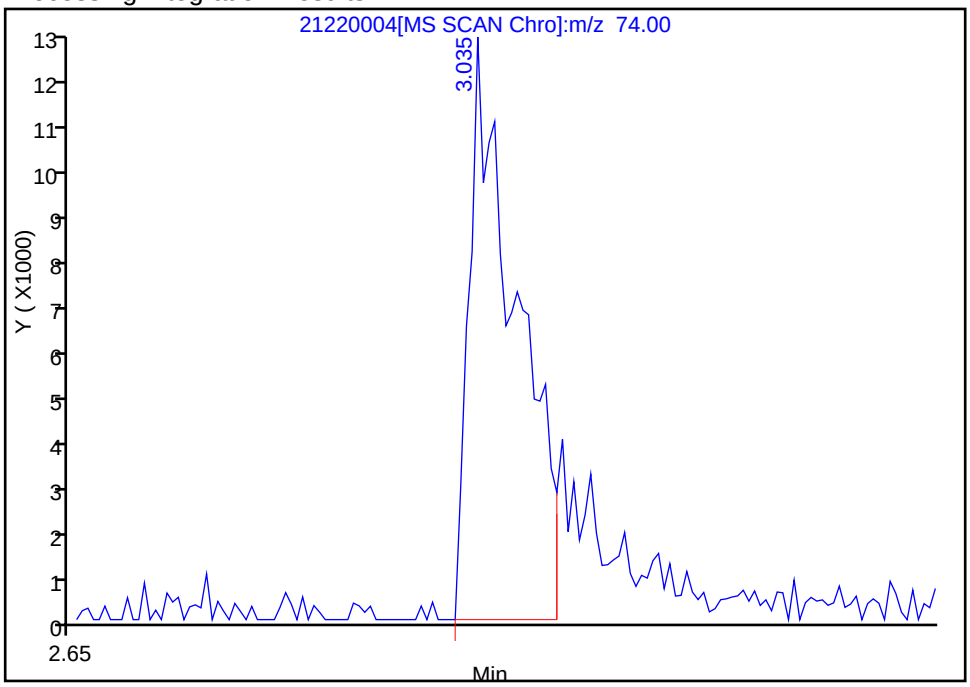
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220004.D		
Injection Date:	20-Dec-2012 14:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.03

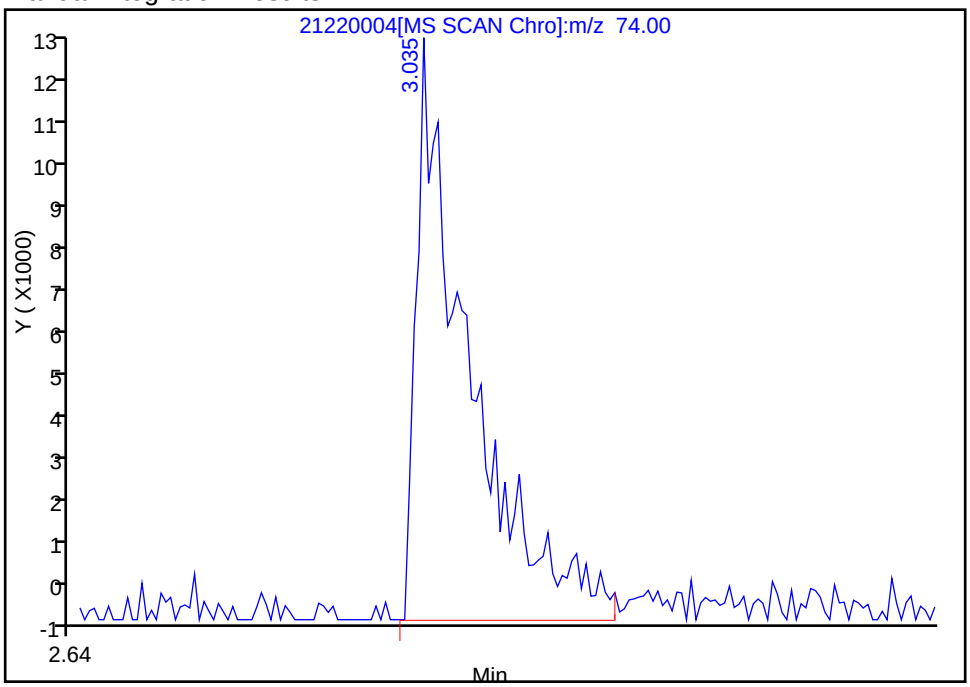
Processing Integration Results

RT: 3.04
Response: 37969
Amount: 0.817777



Manual Integration Results

RT: 3.04
Response: 49516
Amount: 0.929993



Reviewer: ulmanm, 20-Dec-2012 15:03:42
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

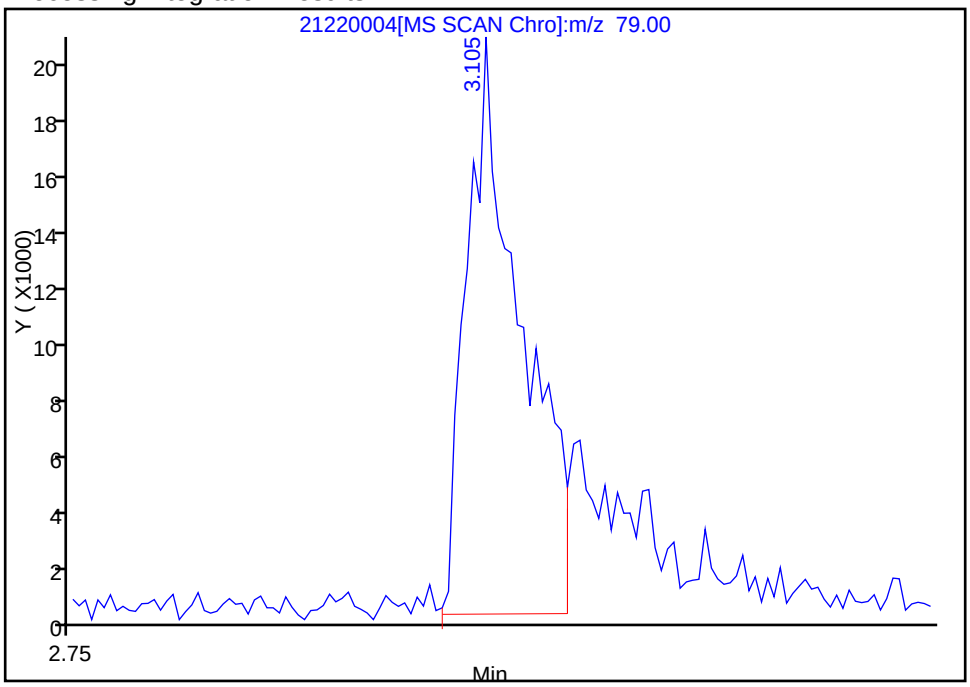
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220004.D		
Injection Date:	20-Dec-2012 14:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.09

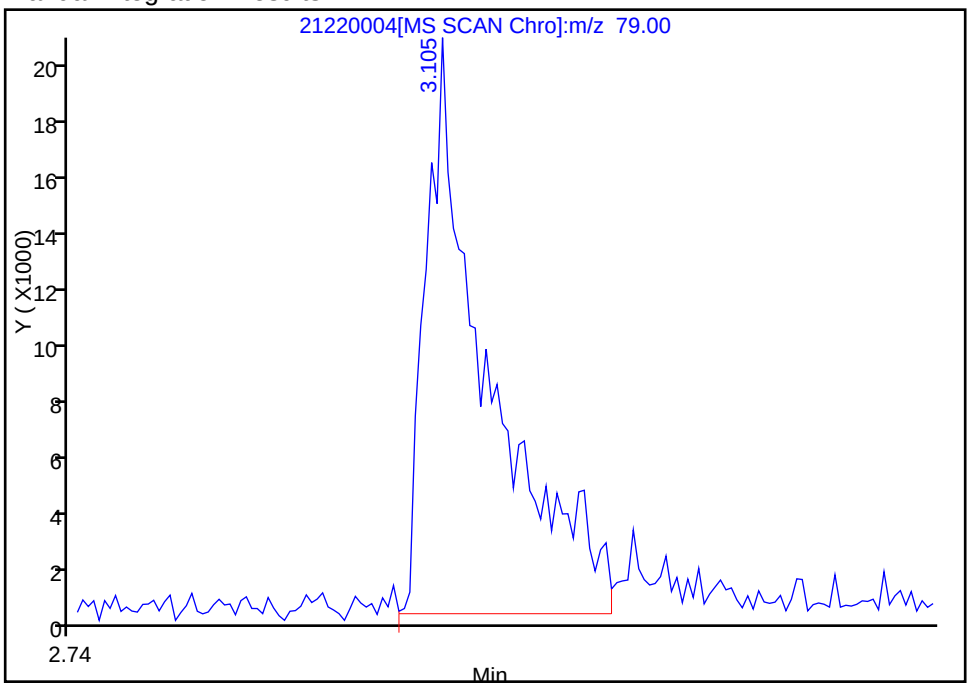
Processing Integration Results

RT: 3.10
Response: 64981
Amount: 0.771332



Manual Integration Results

RT: 3.10
Response: 84682
Amount: 0.892264



Reviewer: ulmanm, 20-Dec-2012 15:03:42
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

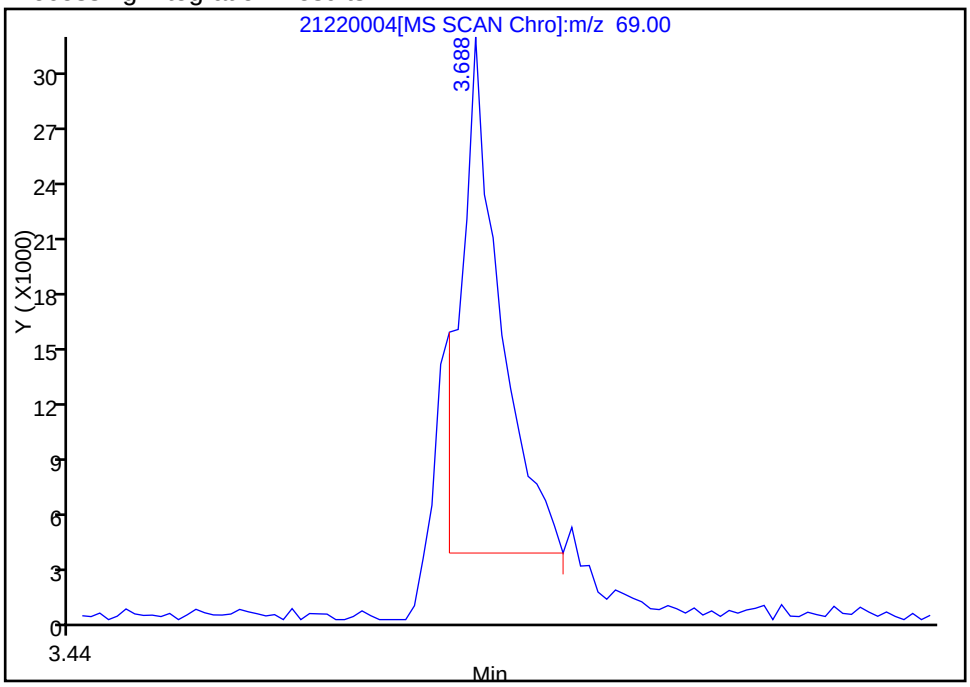
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220004.D		
Injection Date:	20-Dec-2012 14:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.69

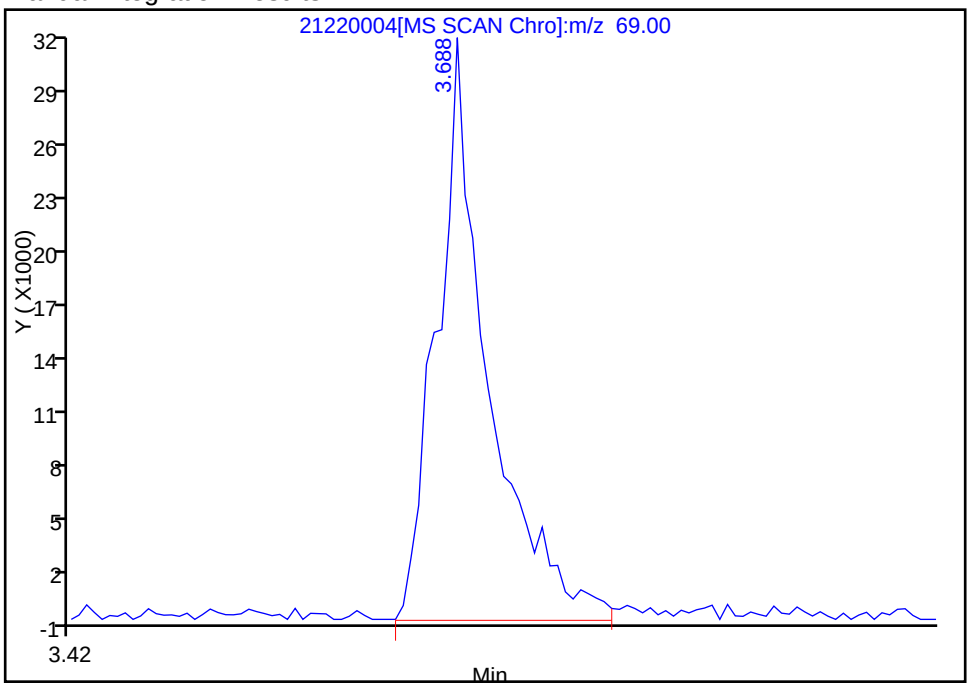
Processing Integration Results

RT: 3.69
Response: 47369
Amount: 0.719354



Manual Integration Results

RT: 3.69
Response: 78258
Amount: 1.010023



Reviewer: ulmanm, 20-Dec-2012 15:03:42
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

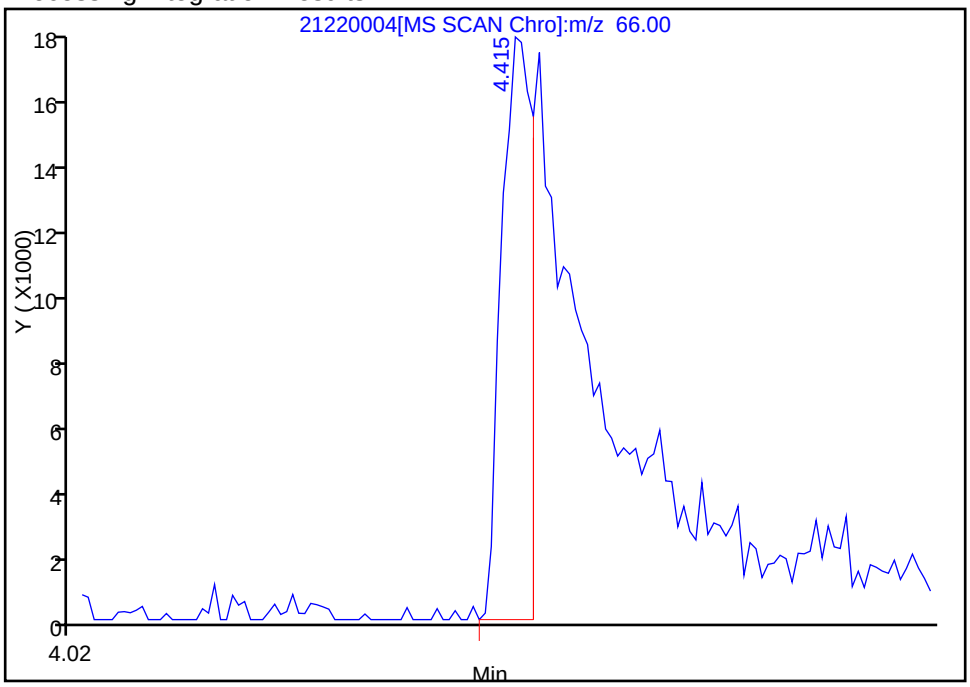
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220004.D		
Injection Date:	20-Dec-2012 14:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

32 Malononitrile, Signal: 1, m/z: 66.0 Type: quant, RT: 4.39

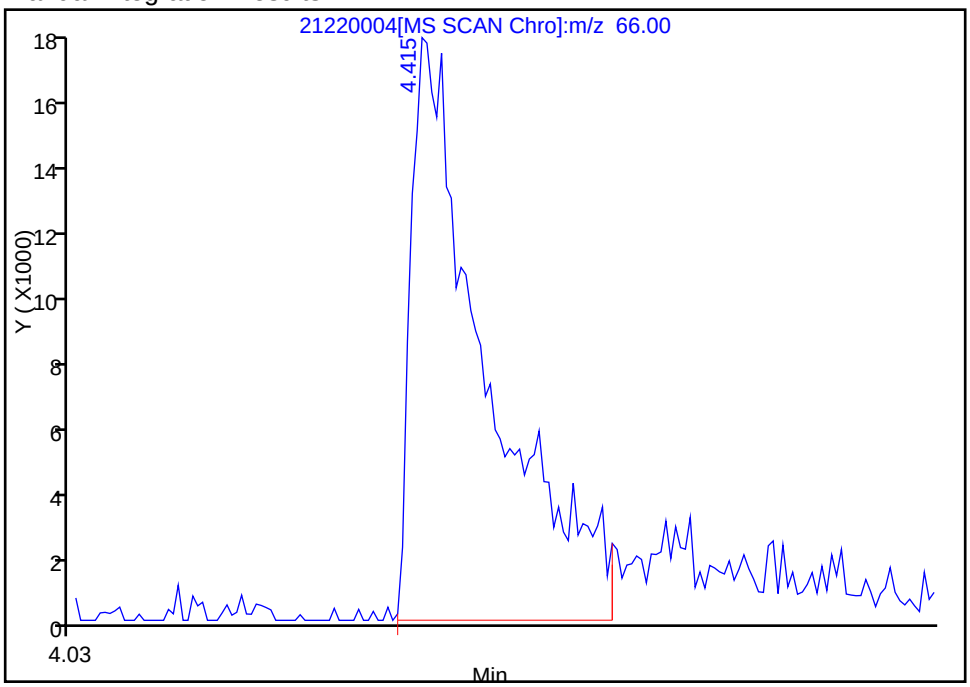
Processing Integration Results

RT: 4.41
Response: 32591
Amount: 0.393794



Manual Integration Results

RT: 4.41
Response: 98083
Amount: 0.891567



Reviewer: ulmanm, 20-Dec-2012 15:03:42
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

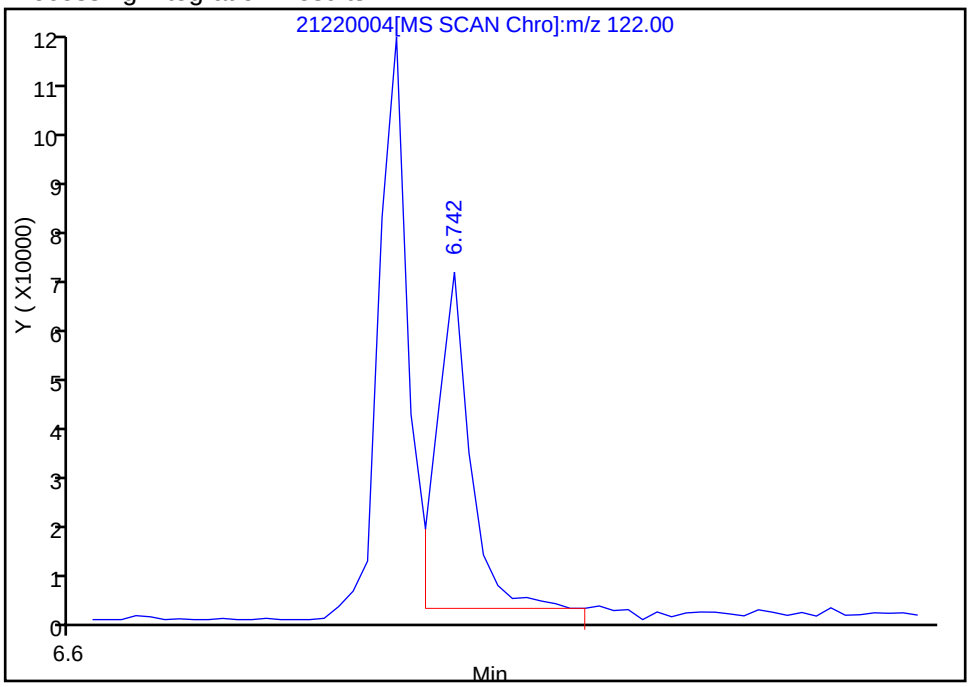
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220004.D		
Injection Date:	20-Dec-2012 14:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

69 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.76

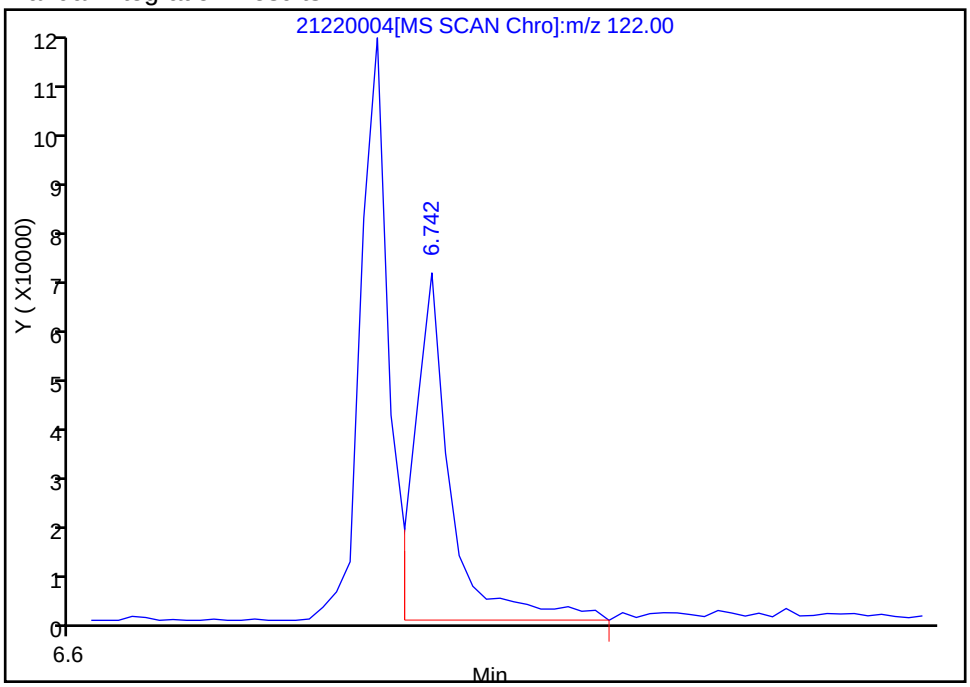
Processing Integration Results

RT: 6.74
Response: 55203
Amount: 1.614031



Manual Integration Results

RT: 6.74
Response: 65355
Amount: 2.255346



Reviewer: ulmanm, 20-Dec-2012 15:03:42
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

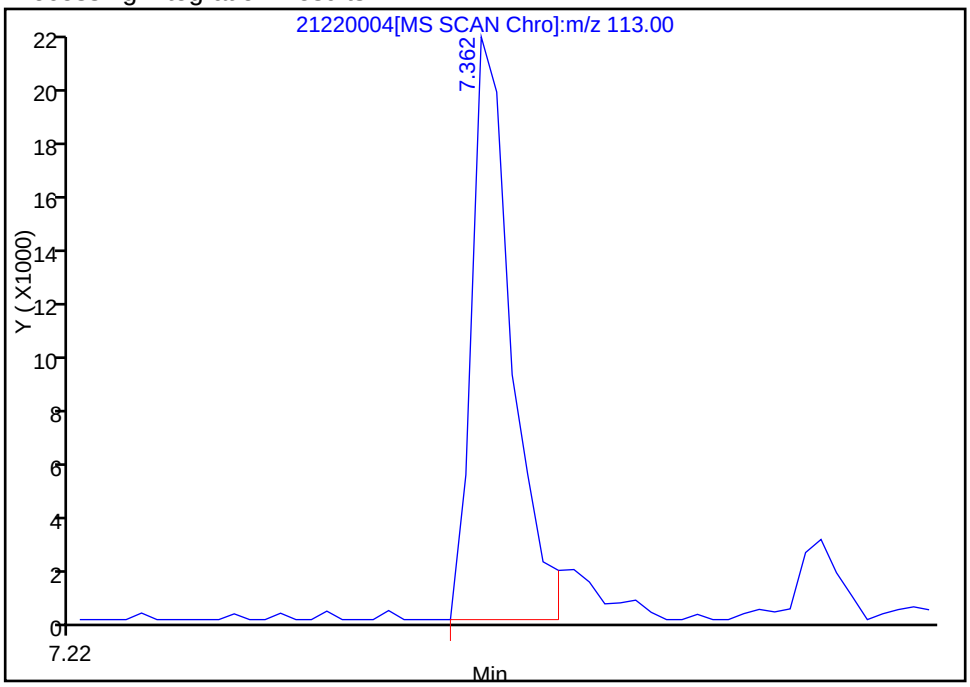
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220004.D		
Injection Date:	20-Dec-2012 14:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

83 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 7.37

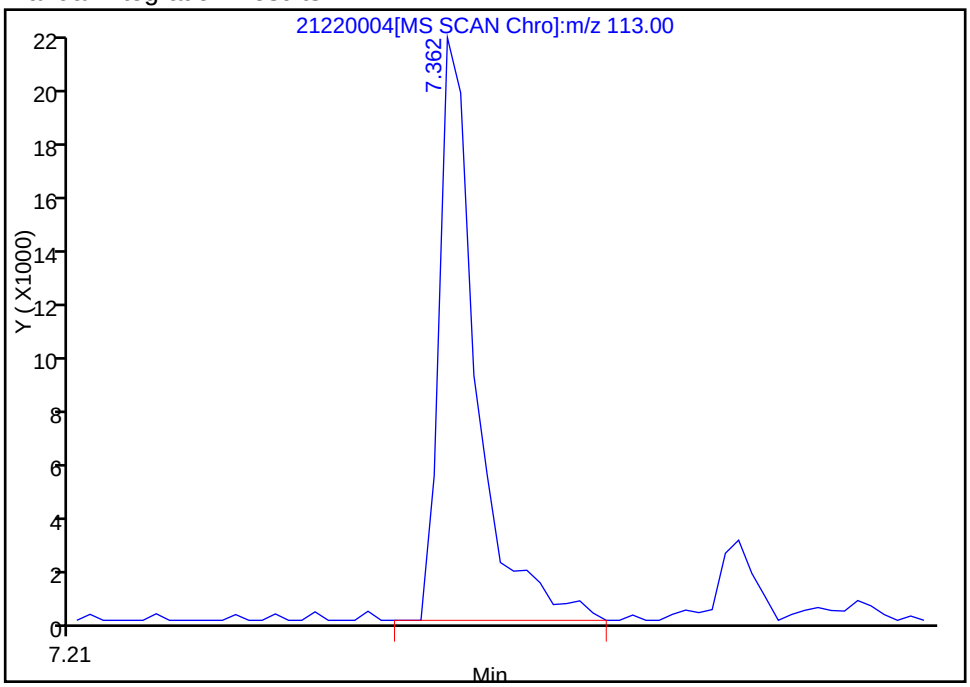
Processing Integration Results

RT: 7.36
Response: 20896
Amount: 0.938010



Manual Integration Results

RT: 7.36
Response: 22649
Amount: 0.938891



Reviewer: ulmanm, 20-Dec-2012 15:03:42
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

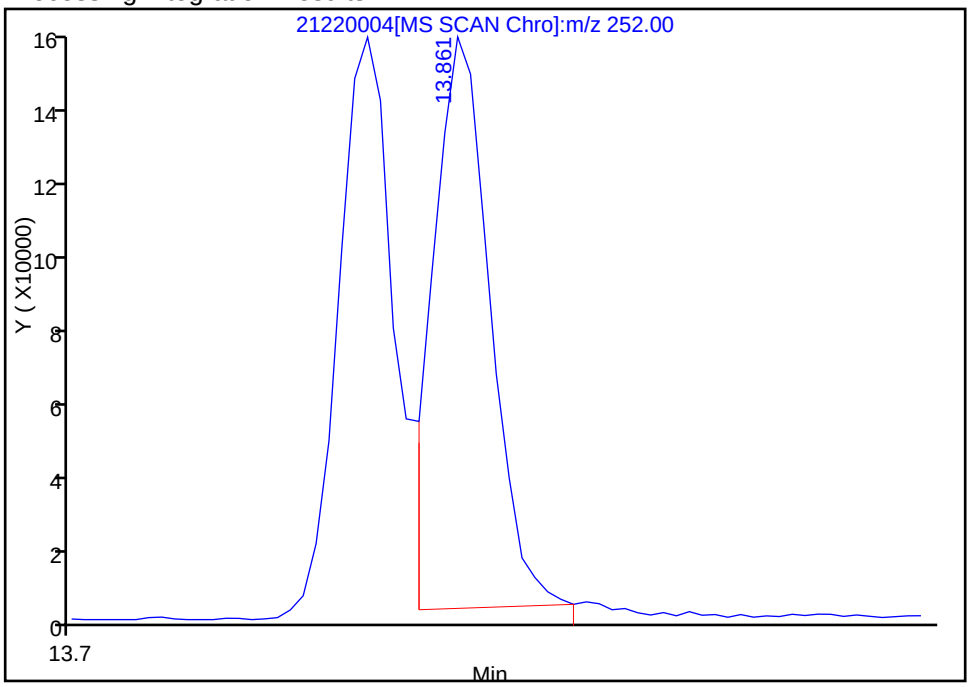
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220004.D		
Injection Date:	20-Dec-2012 14:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.87

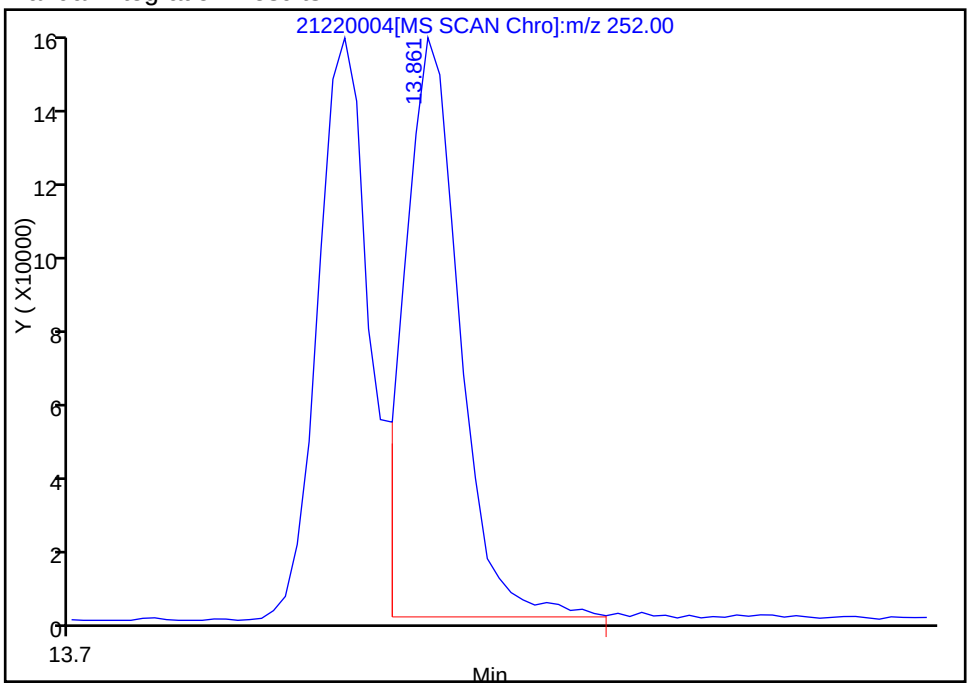
Processing Integration Results

RT: 13.86
Response: 254815
Amount: 1.037380



Manual Integration Results

RT: 13.86
Response: 269051
Amount: 0.971511



Reviewer: ulmanm, 20-Dec-2012 15:03:42
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220005.D
Lims ID: std2 tcl
Client ID:
Inject. Date: 20-Dec-2012 14:58:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 2
Sample ID: 240-0016051-005
Misc. Info.: STD2 TCL
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 5
Lims Batch ID: 69576
Lims Sample ID: 5
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\8270_hp7.m
Last Update: 21-Dec-2012 09:00:57
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm
Date: 20-Dec-2012 15:24:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.929	5.929	0.0	97	292980	4.00	
* 2 Naphthalene-d8	136	7.041	7.041	0.0	100	1160558	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	92	679037	4.00	
* 4 Phenanthrene-d10	188	9.790	9.790	0.0	97	1100395	4.00	
* 5 Chrysene-d12	240	12.336	12.336	0.0	98	1151305	4.00	
* 6 Perylene-d12	264	14.401	14.406	-0.005	96	922697	4.00	
$ 7 2-Fluorophenol	112	4.682	4.688	-0.006	84	41499	0.4617	
$ 8 Phenol-d5	99	5.570	5.570	0.0	89	53071	0.4435	
$ 9 Nitrobenzene-d5	82	6.410	6.410	0.0	92	59609	0.4663	
$ 10 2-Fluorobiphenyl (Surr)	172	7.945	7.945	0.0	98	116343	0.4781	
$ 11 2,4,6-Tribromophenol	330	9.197	9.197	0.0	76	8247	0.3612	
$ 12 Terphenyl-d14	244	11.144	11.143	0.001	96	109267	0.4639	
24 1,4-Dioxane	88	2.570	2.559	0.011	60	26507	0.6396	M
25 N-Nitrosodimethylamine	74	3.051	3.030	0.021	86	27581	0.4836	M
26 Pyridine	79	3.115	3.088	0.027	86	47629	0.4685	M
27 Ethyl methacrylate	69	3.688	3.687	0.001	89	44136	0.5318	M
28 3-Chloropropionitrile	54	4.051	4.051	0.0	74	35914	0.4552	M
32 Malononitrile	66	4.426	4.388	0.038	84	46620	0.3956	M
40 Benzaldehyde	77	5.538	5.538	0.0	89	49846	0.5264	
41 Phenol	94	5.581	5.581	0.0	94	56057	0.4471	
43 Aniline	93	5.629	5.629	0.0	96	75283	0.4622	
44 Bis(2-chloroethyl)ether	93	5.683	5.683	0.0	91	60581	0.4980	
46 2-Chlorophenol	128	5.736	5.736	0.0	92	44373	0.4481	
47 1,3-Dichlorobenzene	146	5.881	5.880	0.001	93	62876	0.4894	
48 1,4-Dichlorobenzene	146	5.945	5.945	0.0	87	50111	0.4697	
49 Benzyl alcohol	108	6.036	6.041	-0.005	88	28114	0.4553	
50 1,2-Dichlorobenzene	146	6.078	6.084	-0.006	91	60782	0.4939	
51 2-Methylphenol	108	6.127	6.126	0.001	94	39897	0.4433	
52 2,2'-oxybis[1-chloropropane]	45	6.159	6.159	0.0	88	85056	0.4905	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.255	6.255	0.0	94	46874	0.4850	
56 N-Nitrosodi-n-propylamine	70	6.271	6.271	0.0	88	31235	0.4321	
57 Acetophenone	105	6.276	6.276	0.0	84	65703	0.4704	
60 Hexachloroethane	117	6.383	6.383	0.0	87	24778	0.4905	
61 Nitrobenzene	77	6.431	6.431	0.0	86	59163	0.4473	
63 Isophorone	82	6.629	6.629	0.0	98	86258	0.4481	
65 2-Nitrophenol	139	6.704	6.704	0.0	91	17446	0.3673	
66 1,3,5-Trichlorobenzene	180	6.715	6.715	0.0	94	52999	0.5126	
64 2,4-Dimethylphenol	107	6.720	6.720	0.0	94	46174	0.4678	
69 Benzoic acid	122		6.763					
68 Bis(2-chloroethoxy)methane	93	6.806	6.806	0.0	93	66917	0.4633	
71 2,4-Dichlorophenol	162	6.902	6.907	-0.005	95	31754	0.4122	
72 1,2,4-Trichlorobenzene	180	6.988	6.988	0.0	91	49961	0.4837	
73 Naphthalene	128	7.057	7.062	-0.005	95	141722	0.4997	
74 4-Chloroaniline	127	7.089	7.089	0.0	73	52552	0.4392	
77 Hexachlorobutadiene	225	7.153	7.159	-0.006	89	28568	0.5097	
78 1,2,3-Trichlorobenzene	180	7.180	7.180	0.0	87	45923	0	
83 Caprolactam	113	7.367	7.367	0.0	69	10209	0.4004	M
84 4-Chloro-3-methylphenol	107	7.480	7.480	0.0	88	34291	0.4161	
85 2-Methylnaphthalene	142	7.646	7.645	0.001	90	86842	0.4667	
86 1-Methylnaphthalene	142	7.731	7.731	0.0	82	85531	0.4903	
88 Hexachlorocyclopentadiene	237	7.774	7.774	0.0	70	23622	0.4116	
87 1,2,3,5-Tetrachlorobenzene	216	7.774	7.774	0.0	91	51367	0.5267	
90 2,4,6-Trichlorophenol	196	7.870	7.875	-0.005	92	23760	0.4447	
91 2,4,5-Trichlorophenol	196	7.902	7.902	0.0	88	26053	0.4465	
94 2,4-Toluene diamine	121	8.015	8.015	0.0	96	26262	0.4758	
96 1,2,3,4 -Tetrachlorobenzene	216	8.025	8.031	-0.006	93	46393	0	
95 1,1'-Biphenyl	154	8.036	8.036	0.0	95	110816	0.4962	
98 2-Chloronaphthalene	162	8.063	8.063	0.0	97	101981	0.4806	
100 2-Nitroaniline	65	8.132	8.132	0.0	65	23267	0.3874	
103 Dimethyl phthalate	163	8.271	8.271	0.0	97	90736	0.4652	
105 2,6-Dinitrotoluene	165	8.330	8.330	0.0	79	17453	0.5445	
106 1,2-Dinitrobenzene	168	8.378	8.378	0.0	85	8152	0.5686	
107 Acenaphthylene	152	8.416	8.416	0.0	88	125910	0.4514	
108 3-Nitroaniline	138	8.475	8.475	0.001	86	17272	0.3596	
110 Acenaphthene	153	8.560	8.560	0.0	92	82736	0.4760	
109 2,4-Dinitrophenol	184		8.560					9
111 4-Nitrophenol	109	8.587	8.587	0.0	73	9636	0.5151	
112 2,4-Dinitrotoluene	165	8.667	8.672	-0.005	73	21072	0.5372	
114 Dibenzofuran	168	8.705	8.704	0.001	89	119935	0.4678	
115 2,3,5,6-Tetrachlorophenol	232	8.763	8.763	0.0	82	17233	0.3723	
119 Diethyl phthalate	149	8.860	8.865	-0.005	96	92824	0.4767	
121 4-Chlorophenyl phenyl ether	204	8.977	8.983	-0.006	97	53547	0.4702	
123 4-Nitroaniline	138	8.988	8.988	0.0	72	17836	0.3749	M
124 Fluorene	166	8.993	8.993	0.0	73	104089	0.5091	
126 4,6-Dinitro-2-methylphenol	198		9.015					9
130 N-Nitrosodiphenylamine	169	9.074	9.074	0.0	0	65556	0.4398	
129 1,2-Diphenylhydrazine	77	9.111	9.116	-0.005	0	101500	0.4417	
131 Azobenzene	77	9.111	9.116	-0.005	98	101500	0.4417	
137 4-Bromophenyl phenyl ether	248	9.395	9.394	0.001	68	30644	0.4803	
139 Hexachlorobenzene	284	9.459	9.459	0.0	83	29551	0.4653	
140 Atrazine	200	9.507	9.507	0.0	85	18708	0.4458	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.614	9.614	0.0	77	23954	0.6590	
146 Phenanthrene	178	9.812	9.812	0.0	86	140809	0.4767	
147 Anthracene	178	9.855	9.854	0.001	86	131823	0.4470	
149 Carbazole	167	9.978	9.977	0.001	82	123044	0.4355	
151 Di-n-butyl phthalate	149	10.234	10.234	0.0	99	134455	0.4210	
157 Fluoranthene	202	10.817	10.817	0.0	97	142158	0.4385	
158 Benzidine	184		10.913					
160 Pyrene	202	11.026	11.026	0.0	97	157506	0.4728	
166 Butyl benzyl phthalate	149	11.620	11.620	0.0	93	50139	0.3709	
170 3,3'-Dimethoxybenzidine	244		12.224					
173 3,3'-Dichlorobenzidine	252	12.267	12.267	0.0	63	40231	0.3678	
172 4,4'-Methylene bis(2-chloroanili	231	12.267	12.267	0.0	70	17468	0.4970	
171 Bis(2-ethylhexyl) phthalate	149	12.288	12.288	0.0	93	66202	0.4755	
175 Benzo[a]anthracene	228	12.320	12.320	0.0	97	134984	0.4535	
176 Chrysene	228	12.368	12.368	0.0	91	133718	0.4743	
178 Di-n-octyl phthalate	149	13.192	13.192	0.0	97	77079	0.5100	
180 Benzo[b]fluoranthene	252	13.818	13.823	-0.005	93	120678	0.4380	
181 Benzo[k]fluoranthene	252	13.861	13.866	-0.005	93	130001	0.4399	M
182 Benzo[a]pyrene	252	14.315	14.321	-0.006	69	102437	0.3955	
186 Indeno[1,2,3-cd]pyrene	276	16.059	16.054	0.005	96	113477	0.4129	
187 Dibenz(a,h)anthracene	278	16.080	16.086	-0.006	72	93792	0.4009	
188 Benzo[g,h,i]perylene	276	16.498	16.503	-0.005	92	101056	0.4198	
S 189 Methyl Phenols,Total	100				0		0.4433	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

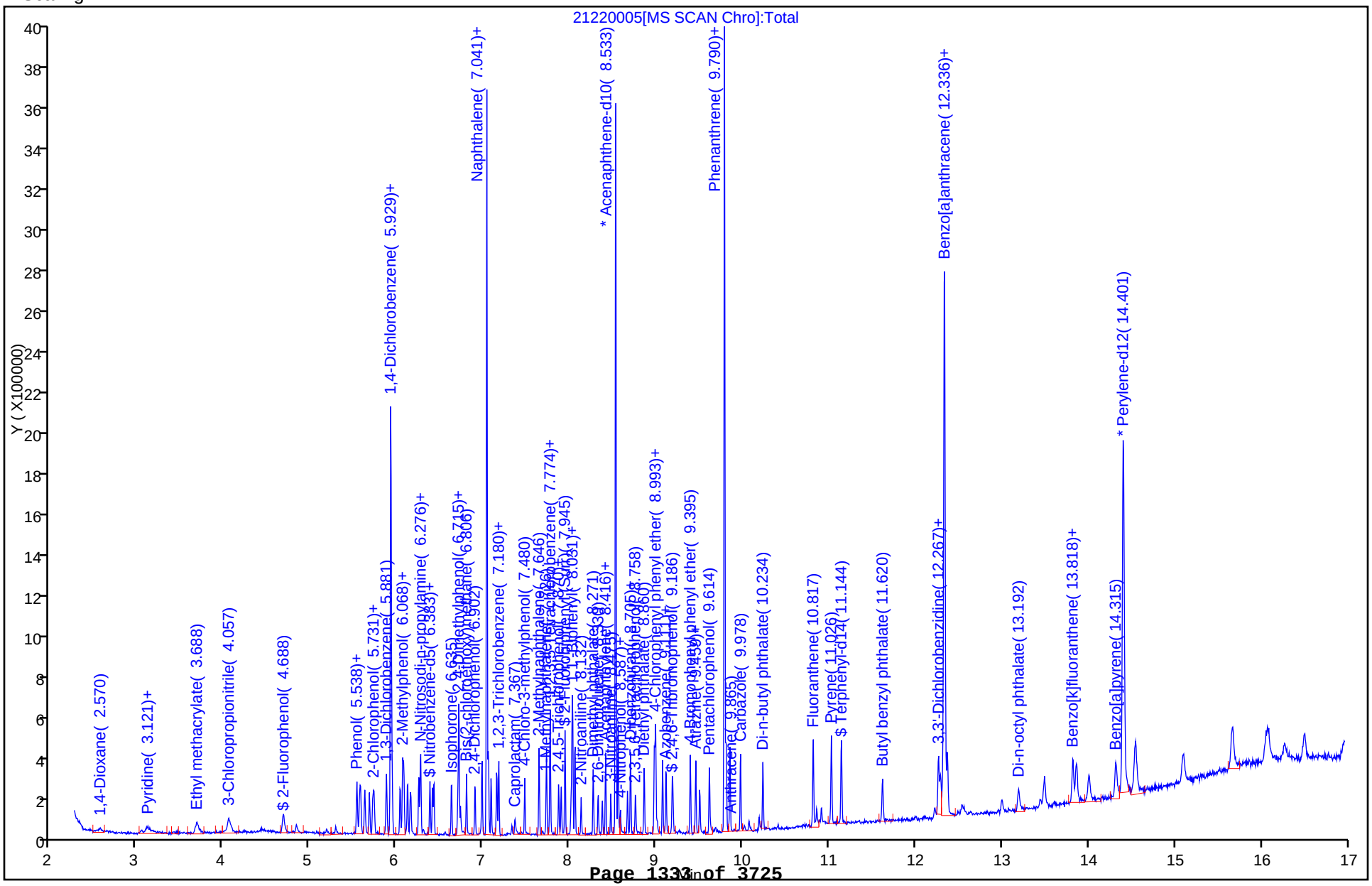
Report Date: 21-Dec-2012 09:00:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220005.D

Injection Date:	20-Dec-2012 14:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

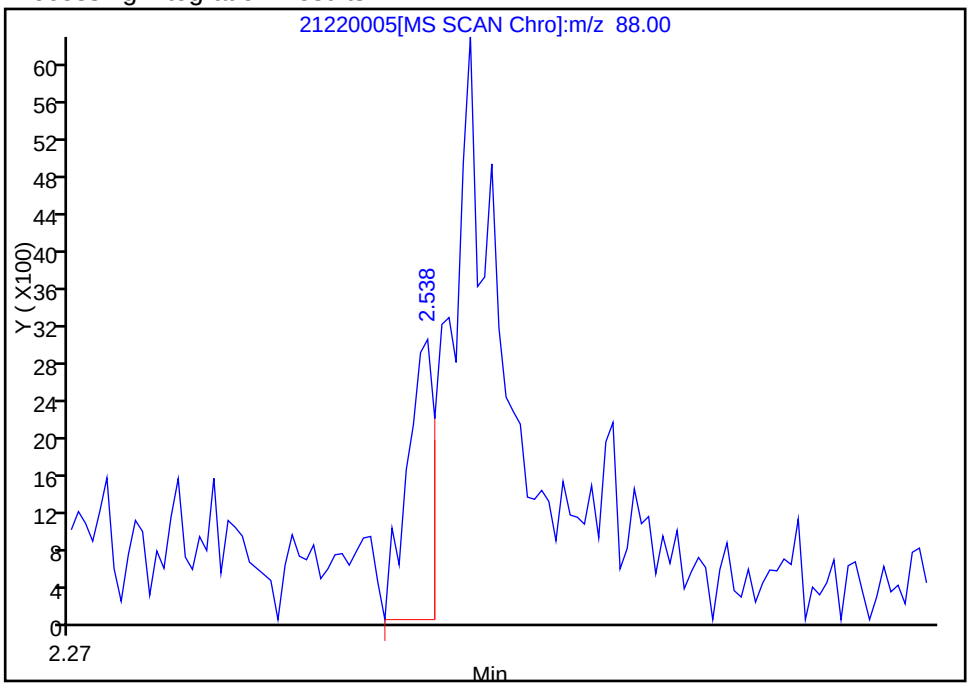
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220005.D		
Injection Date:	20-Dec-2012 14:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.56

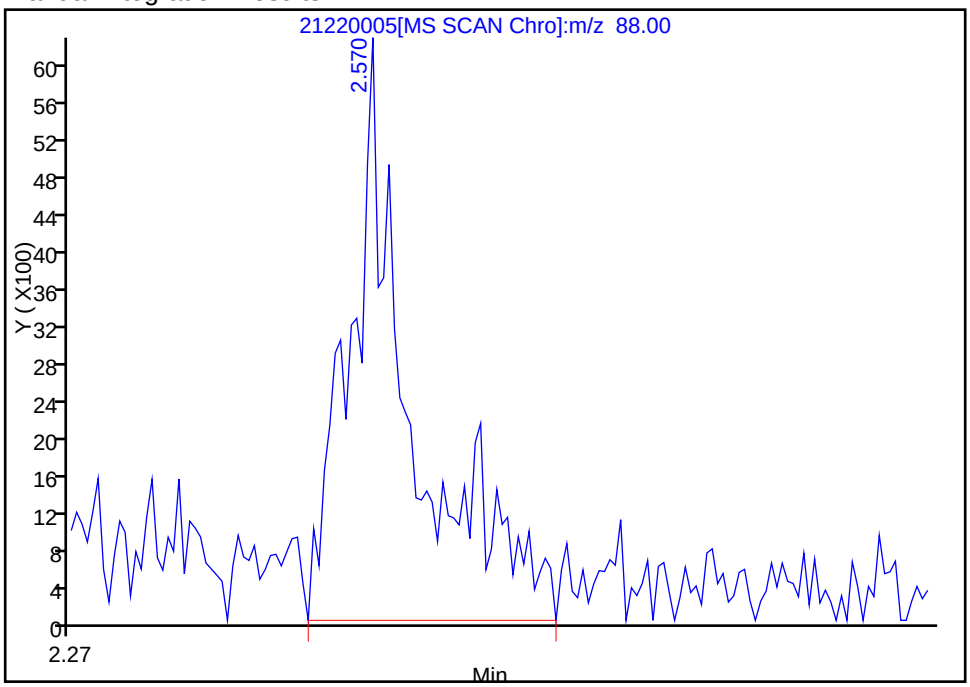
Processing Integration Results

RT: 2.54
Response: 4267
Amount: 0.132490



Manual Integration Results

RT: 2.57
Response: 26507
Amount: 0.639615



Reviewer: ulmanm, 20-Dec-2012 15:24:50
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

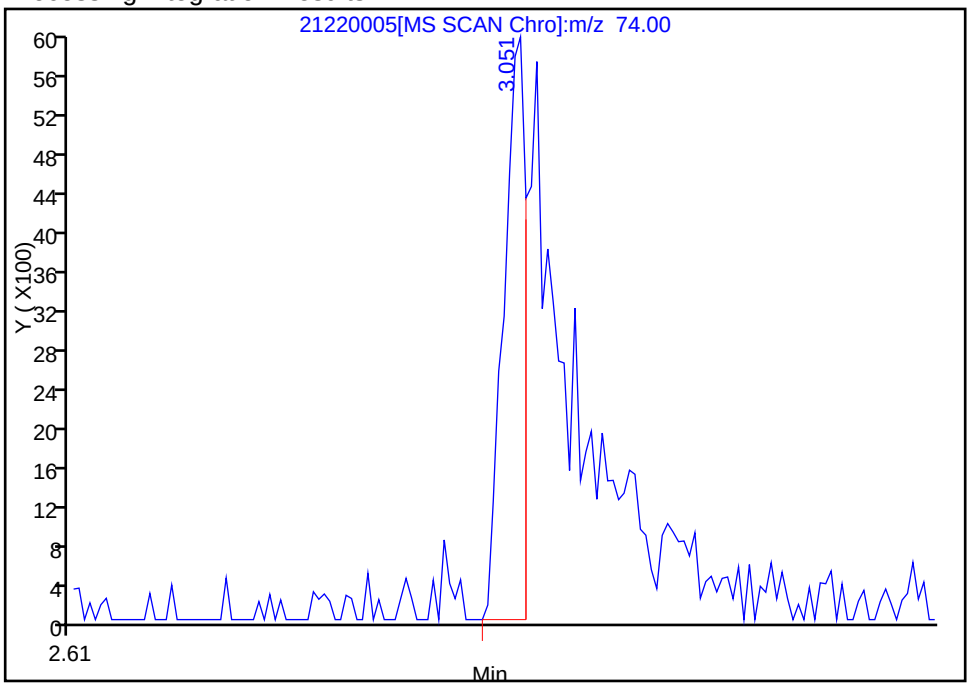
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220005.D		
Injection Date:	20-Dec-2012 14:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.03

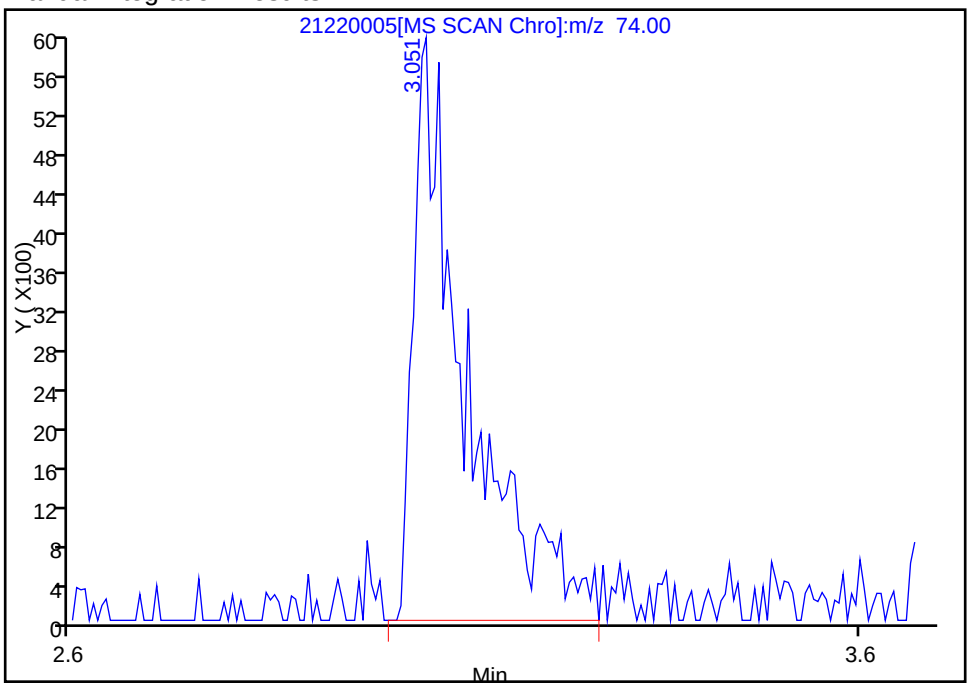
Processing Integration Results

RT: 3.05
Response: 8859
Amount: 0.197652



Manual Integration Results

RT: 3.05
Response: 27581
Amount: 0.483610



Reviewer: ulmanm, 20-Dec-2012 15:24:50
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

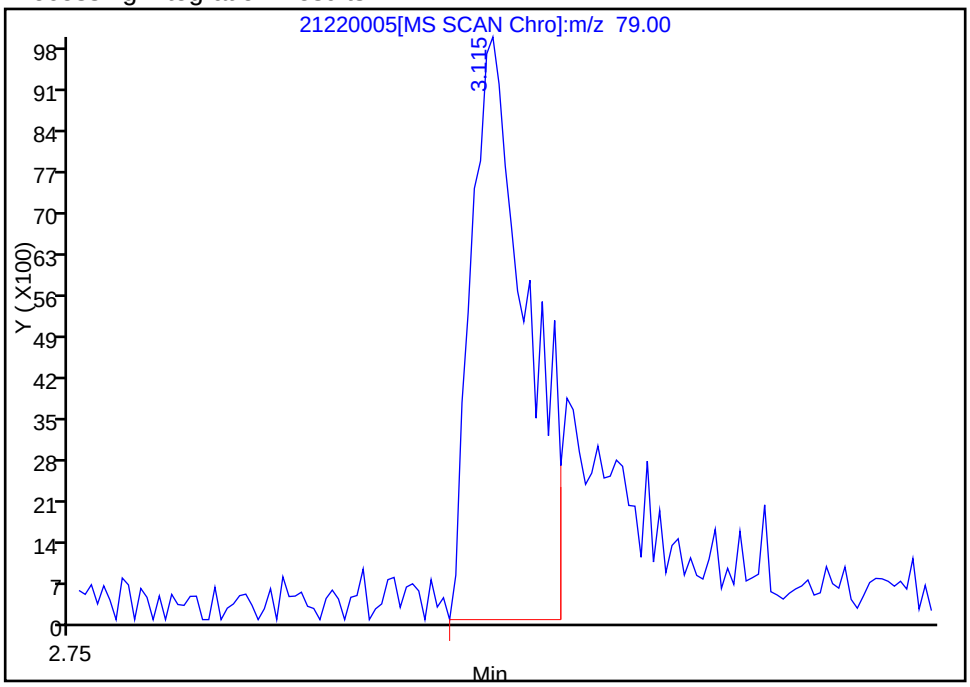
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220005.D		
Injection Date:	20-Dec-2012 14:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.09

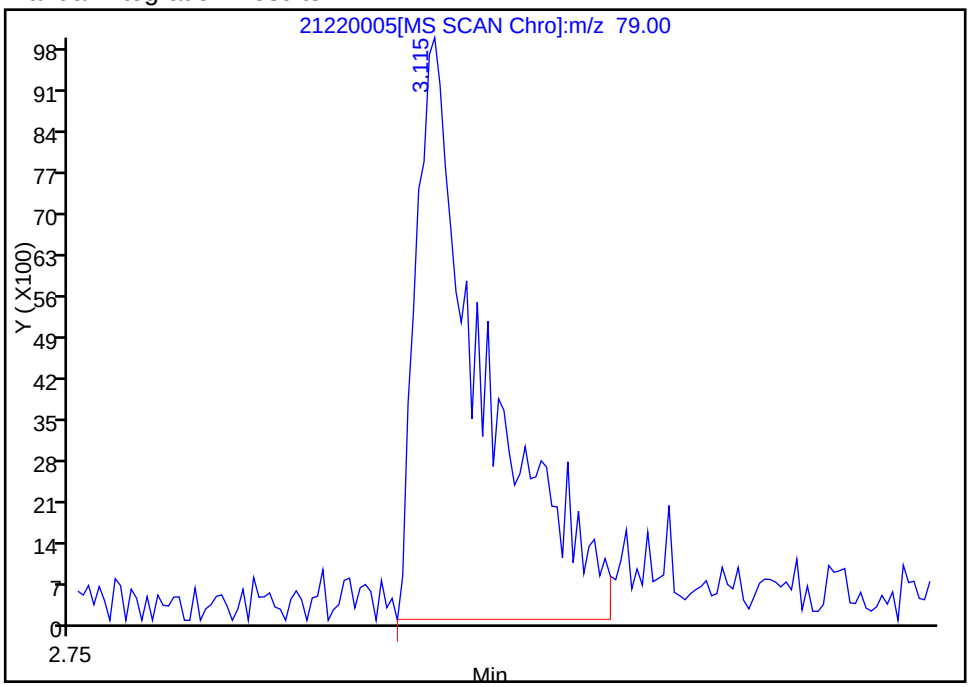
Processing Integration Results

RT: 3.12
Response: 33496
Amount: 0.373411



Manual Integration Results

RT: 3.12
Response: 47629
Amount: 0.468516



Reviewer: ulmanm, 20-Dec-2012 15:24:50
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

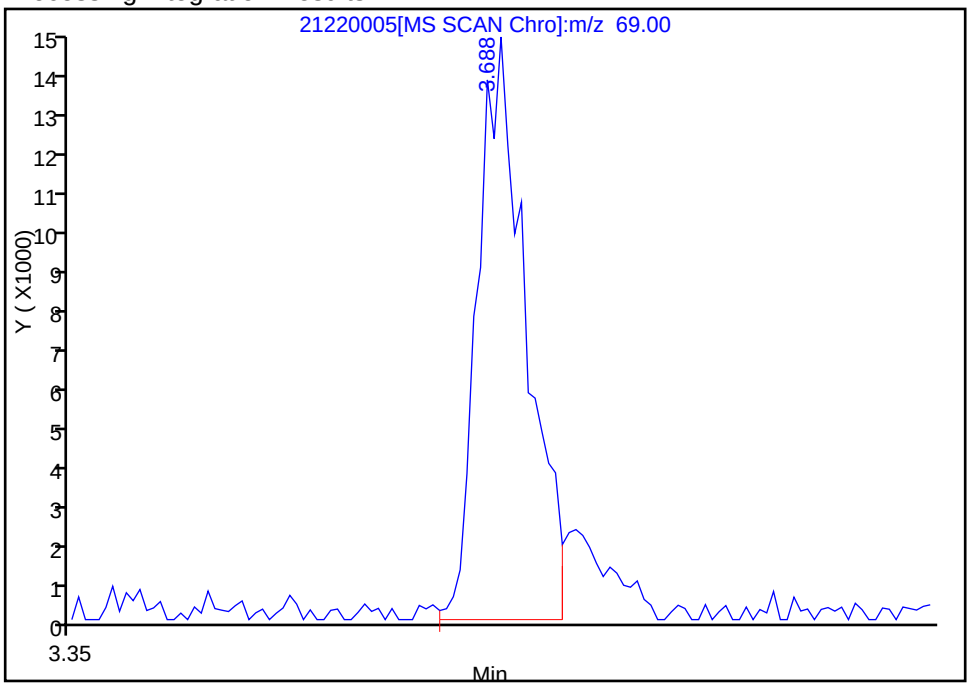
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220005.D		
Injection Date:	20-Dec-2012 14:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.69

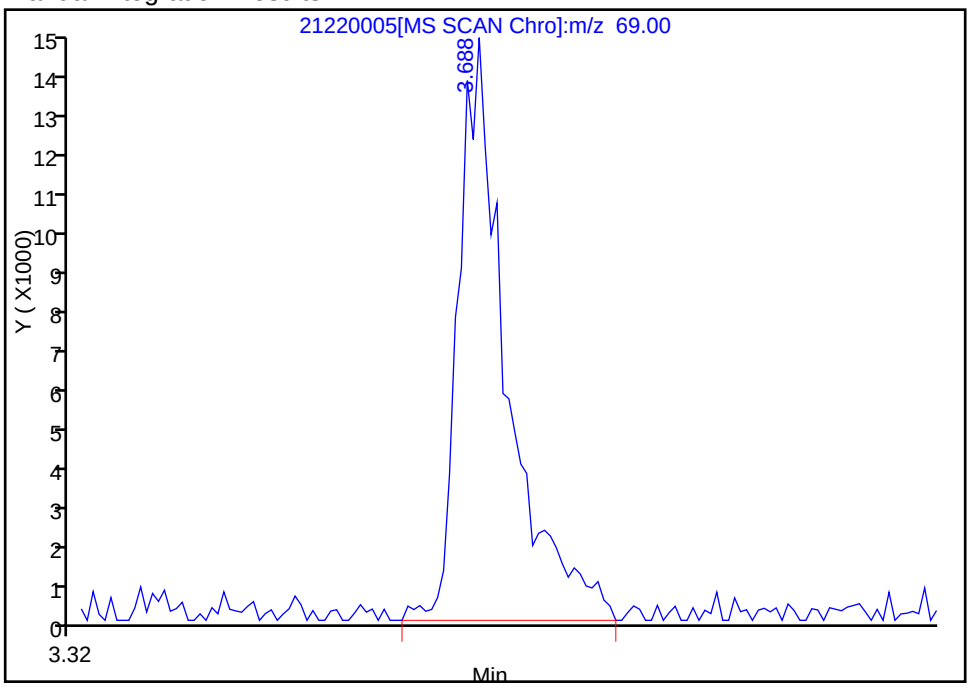
Processing Integration Results

RT: 3.69
Response: 38420
Amount: 0.477965



Manual Integration Results

RT: 3.69
Response: 44136
Amount: 0.531798



Reviewer: ulmanm, 20-Dec-2012 15:24:50
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

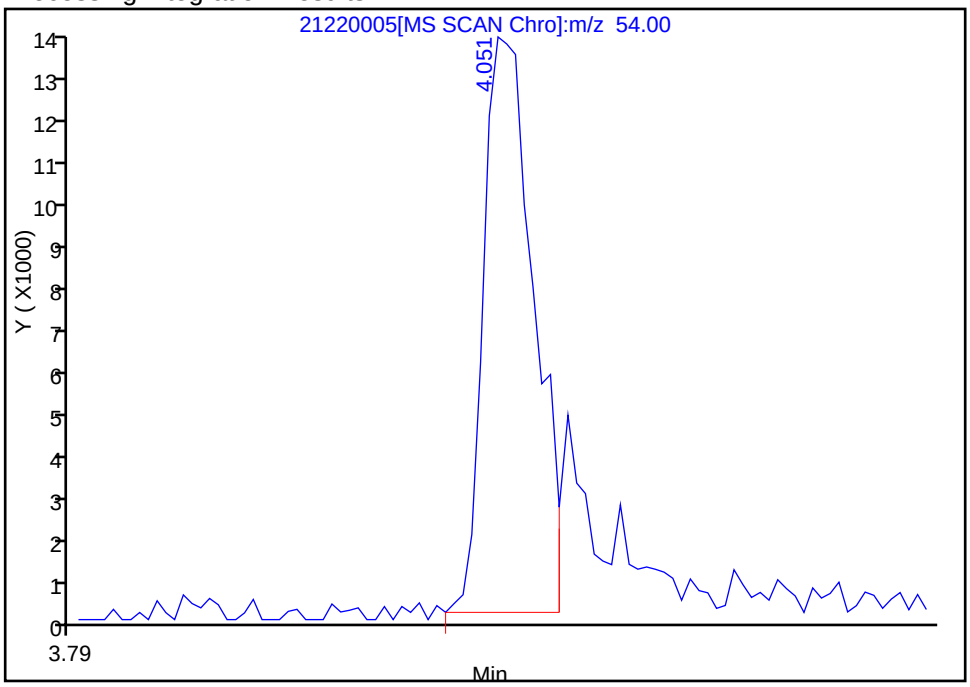
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220005.D		
Injection Date:	20-Dec-2012 14:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

28 3-Chloropropionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.05

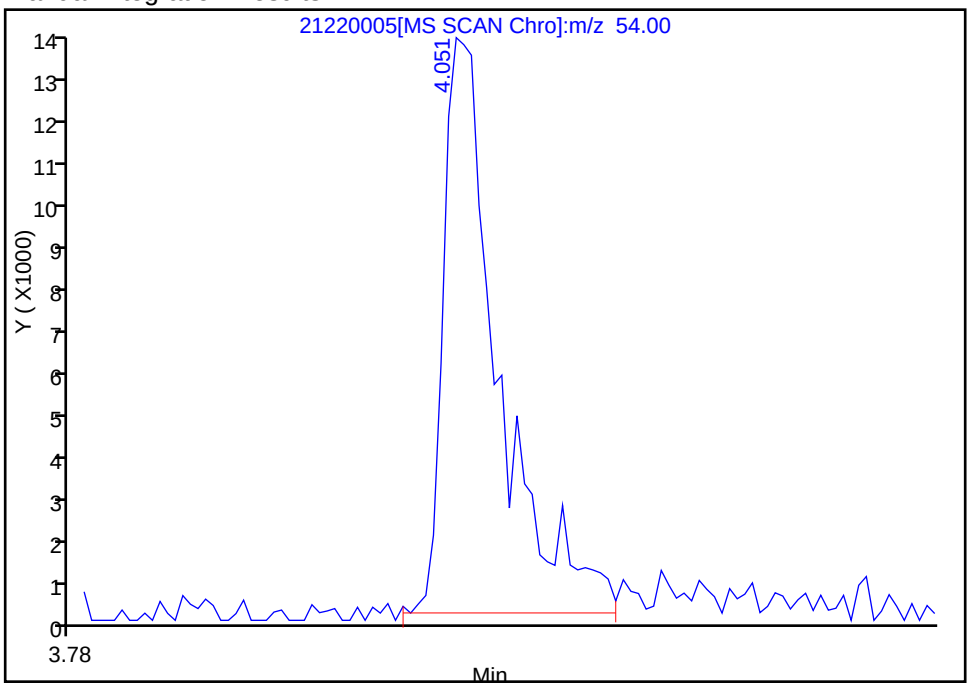
Processing Integration Results

RT: 4.05
Response: 28642
Amount: 0.404922



Manual Integration Results

RT: 4.05
Response: 35914
Amount: 0.455201



Reviewer: ulmanm, 20-Dec-2012 15:24:50
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

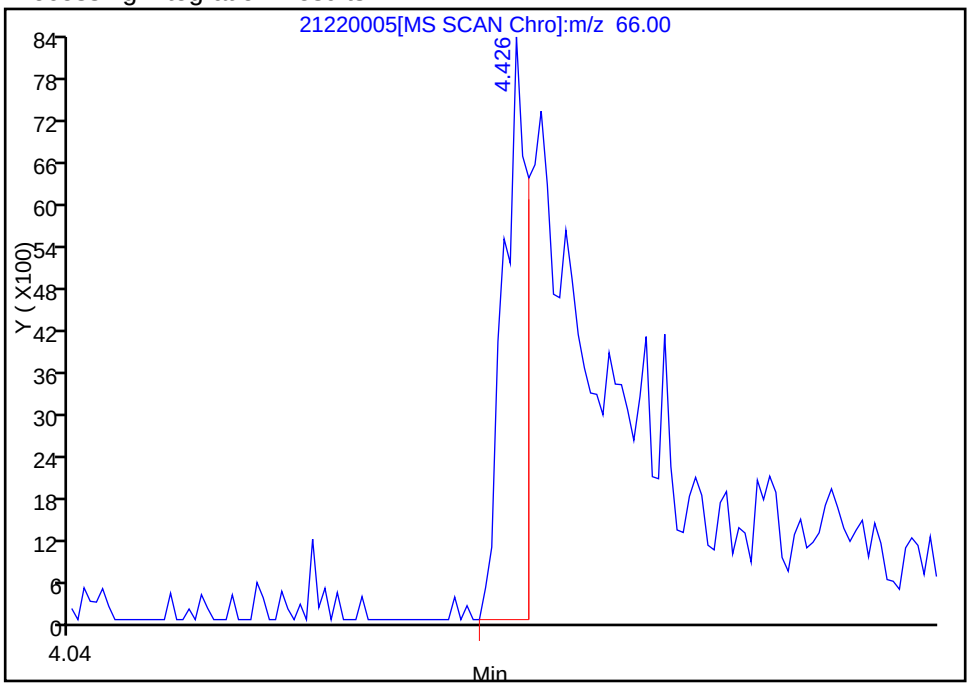
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220005.D		
Injection Date:	20-Dec-2012 14:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

32 Malononitrile, Signal: 1, m/z: 66.0 Type: quant, RT: 4.39

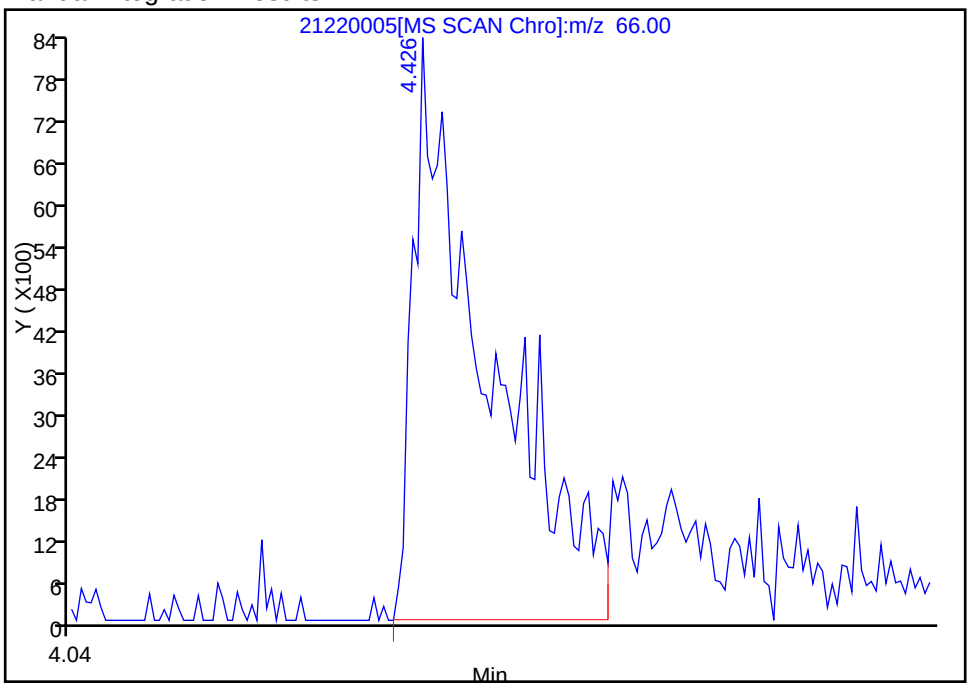
Processing Integration Results

RT: 4.43
Response: 11966
Amount: 0.132944



Manual Integration Results

RT: 4.43
Response: 46620
Amount: 0.395625



Reviewer: ulmanm, 20-Dec-2012 15:24:50
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

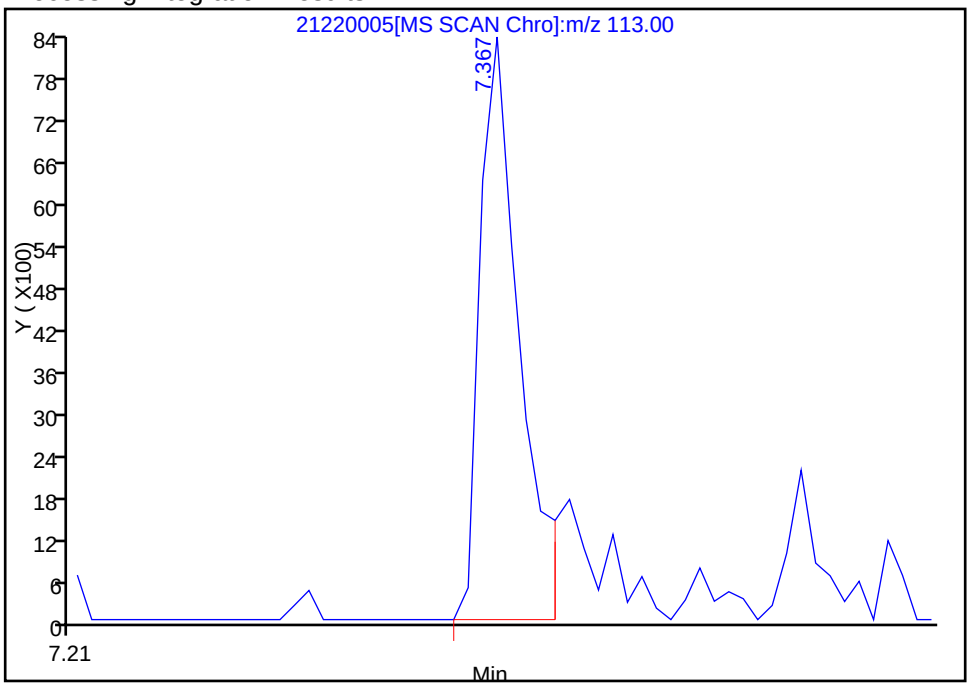
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220005.D		
Injection Date:	20-Dec-2012 14:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

83 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 7.37

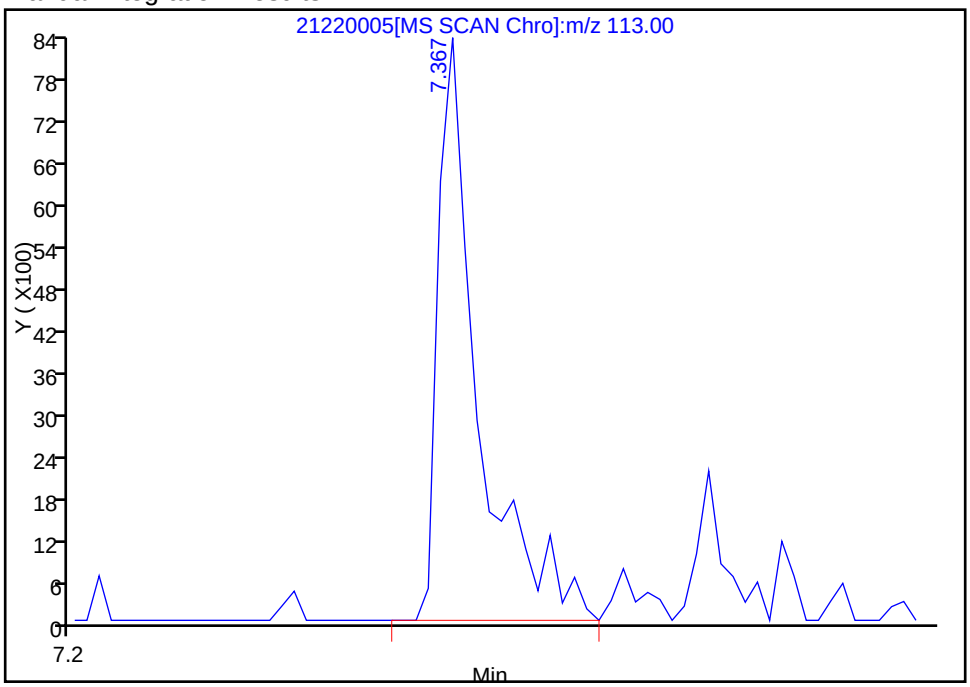
Processing Integration Results

RT: 7.37
Response: 8467
Amount: 0.350861



Manual Integration Results

RT: 7.37
Response: 10209
Amount: 0.400374



Reviewer: ulmanm, 20-Dec-2012 15:24:50
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

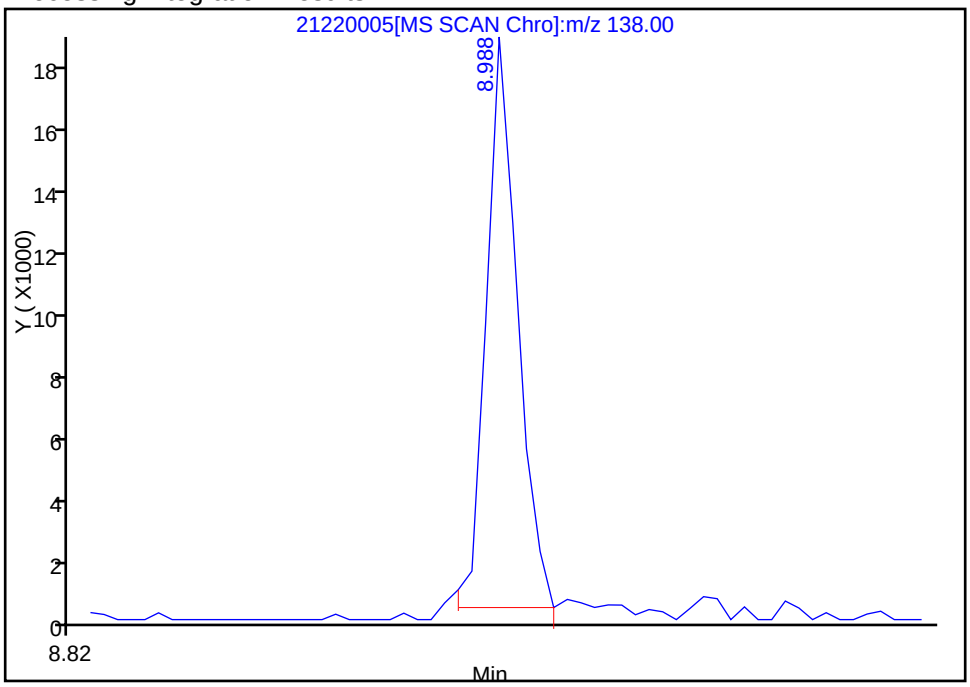
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220005.D		
Injection Date:	20-Dec-2012 14:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

123 4-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 8.99

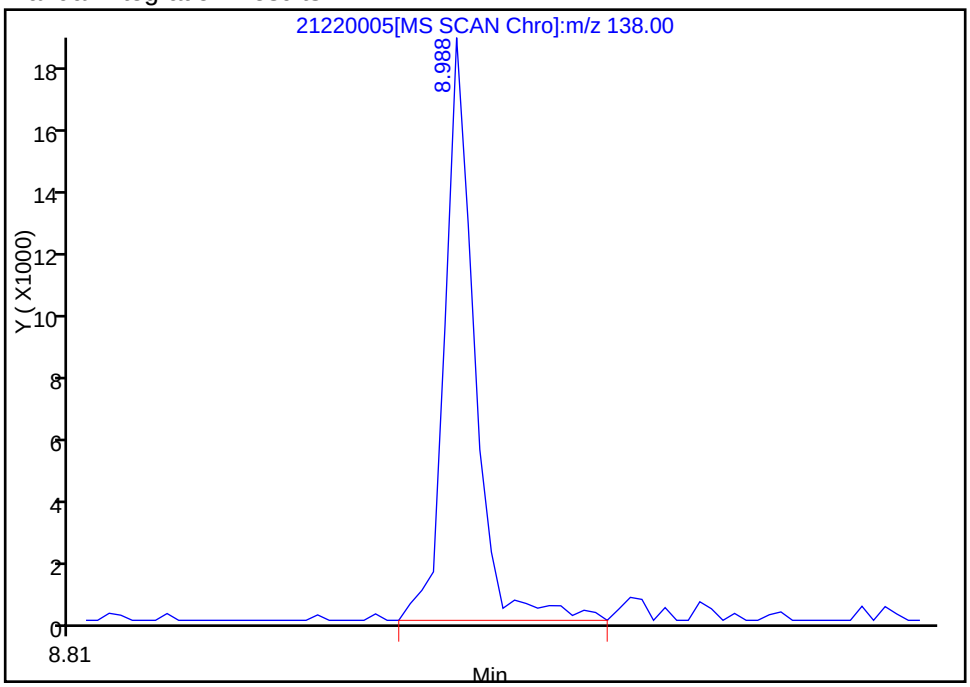
Processing Integration Results

RT: 8.99
Response: 15622
Amount: 0.381599



Manual Integration Results

RT: 8.99
Response: 17836
Amount: 0.374853



Reviewer: ulmanm, 20-Dec-2012 15:24:50
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

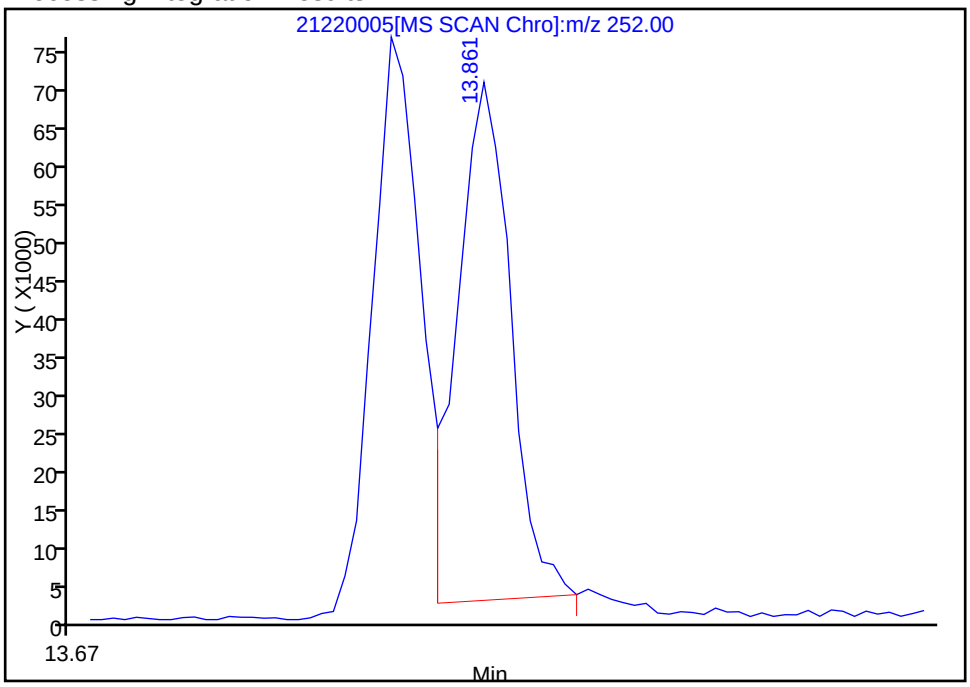
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220005.D		
Injection Date:	20-Dec-2012 14:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.87

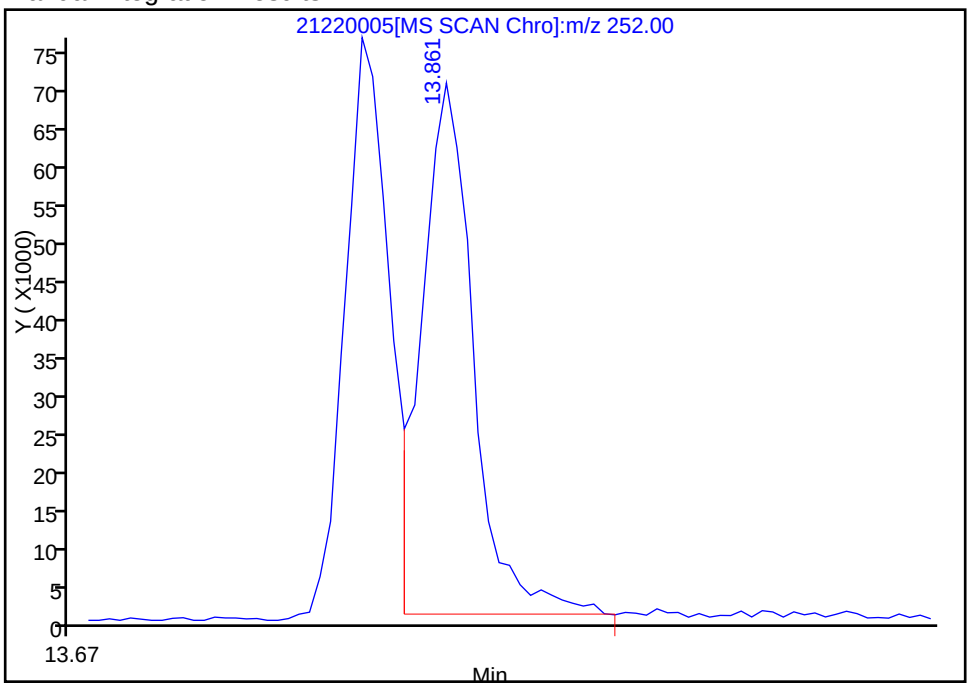
Processing Integration Results

RT: 13.86
Response: 118454
Amount: 0.451930



Manual Integration Results

RT: 13.86
Response: 130001
Amount: 0.439856



Reviewer: ulmanm, 20-Dec-2012 15:24:50
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 21-Dec-2012 09:00:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220006.D
Lims ID: std1 tcl Client ID:
Inject. Date: 20-Dec-2012 15:21:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0016051-006
Misc. Info.: STD1 TCL
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 69576 Lims Sample ID: 6
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\8270_hp7.m
Last Update: 21-Dec-2012 09:00:58 Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 20-Dec-2012 15:41:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.929	5.929	0.0	97	261801	4.00	
* 2 Naphthalene-d8	136	7.041	7.041	0.0	100	1048429	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	92	606153	4.00	
* 4 Phenanthrene-d10	188	9.790	9.790	0.0	98	985653	4.00	
* 5 Chrysene-d12	240	12.336	12.336	0.0	98	1001239	4.00	
* 6 Perylene-d12	264	14.401	14.406	-0.005	93	803153	4.00	
$ 9 Nitrobenzene-d5	82	6.415	6.410	0.005	81	11747	0.1017	
$ 10 2-Fluorobiphenyl (Surr)	172	7.945	7.945	0.0	89	20997	0.0967	
$ 12 Terphenyl-d14	244	11.144	11.143	0.001	91	21351	0.1042	
40 Benzaldehyde	77	5.538	5.538	0.0	79	9068	0.1072	
73 Naphthalene	128	7.057	7.062	-0.005	79	26497	0.1034	
85 2-Methylnaphthalene	142	7.646	7.645	0.001	86	16524	0.0983	
86 1-Methylnaphthalene	142	7.731	7.731	0.0	73	15165	0.0962	
95 1,1'-Biphenyl	154	8.036	8.036	0.0	91	20760	0.1041	
98 2-Chloronaphthalene	162	8.063	8.063	0.0	85	18823	0.0994	
107 Acenaphthylene	152	8.416	8.416	0.0	85	23514	0.0944	
110 Acenaphthene	153	8.560	8.560	0.0	90	18204	0.1173	
114 Dibenzofuran	168	8.705	8.704	0.001	86	25918	0.1132	
124 Fluorene	166	8.993	8.993	0.0	85	17575	0.0963	
139 Hexachlorobenzene	284	9.459	9.459	0.0	82	6543	0.1150	
146 Phenanthrene	178	9.812	9.812	0.0	40	28229	0.1067	
147 Anthracene	178	9.855	9.854	0.001	91	24424	0.0925	
157 Fluoranthene	202	10.817	10.817	0.0	91	30264	0.1042	
160 Pyrene	202	11.026	11.026	0.0	94	28355	0.0979	
175 Benzo[a]anthracene	228	12.320	12.320	0.0	44	25477	0.0984	
176 Chrysene	228	12.368	12.368	0.0	59	25791	0.1052	
180 Benzo[b]fluoranthene	252	13.813	13.823	-0.010	85	21557	0.0899	M
181 Benzo[k]fluoranthene	252	13.855	13.866	-0.011	59	22806	0.0886	M
182 Benzo[a]pyrene	252	14.315	14.321	-0.006	58	17530	0.0778	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
186 Indeno[1,2,3-cd]pyrene	276	16.048	16.054	-0.006	69	18738	0.0783	M
187 Dibenz(a,h)anthracene	278	16.086	16.086	0.0	1	16995	0.0835	M
188 Benzo[g,h,i]perylene	276	16.498	16.503	-0.005	74	18657	0.0890	M

QC Flag Legend

Review Flags
M - Manually Integrated

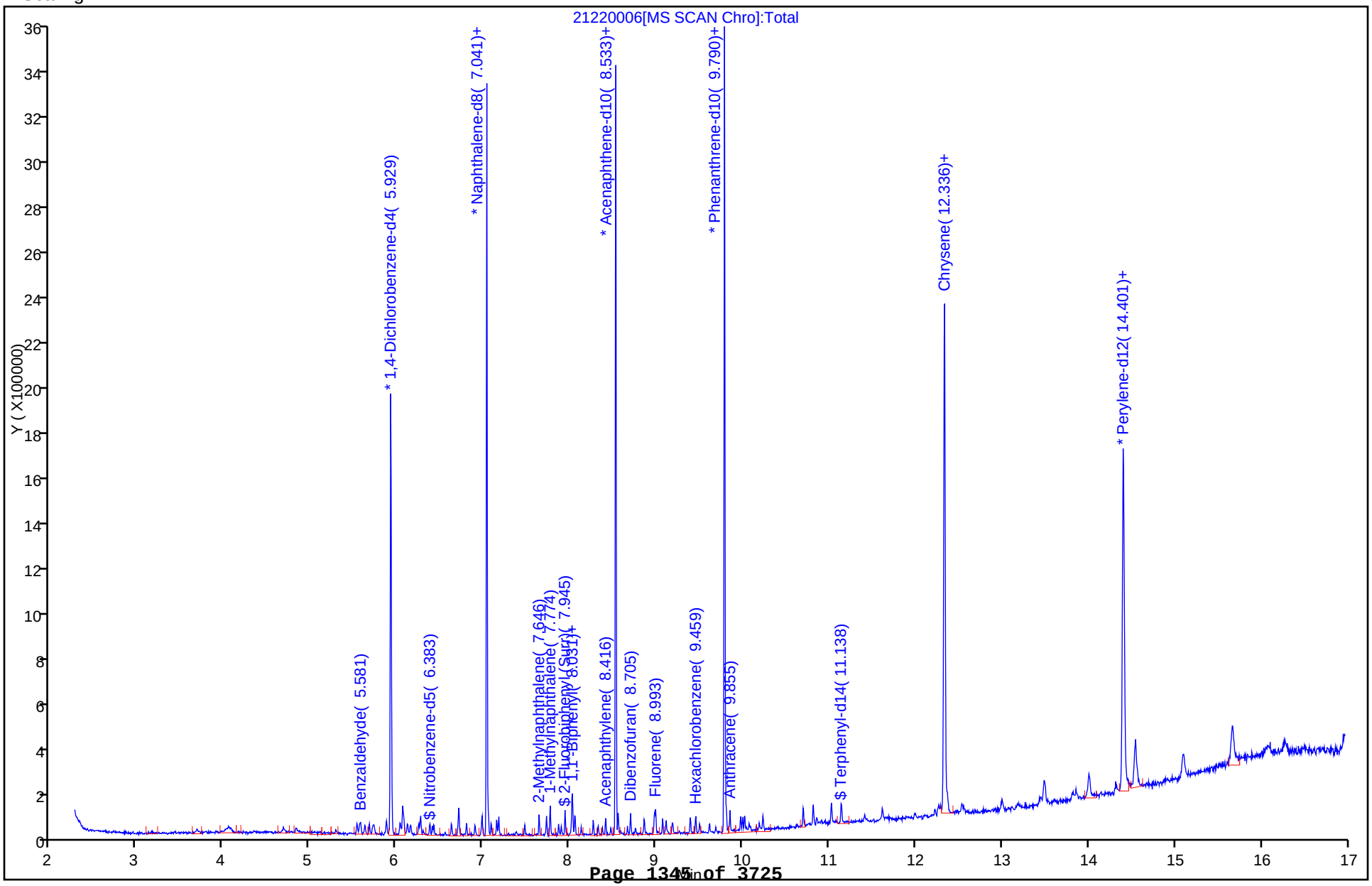
Report Date: 21-Dec-2012 09:00:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220006.D

Injection Date:	20-Dec-2012 15:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

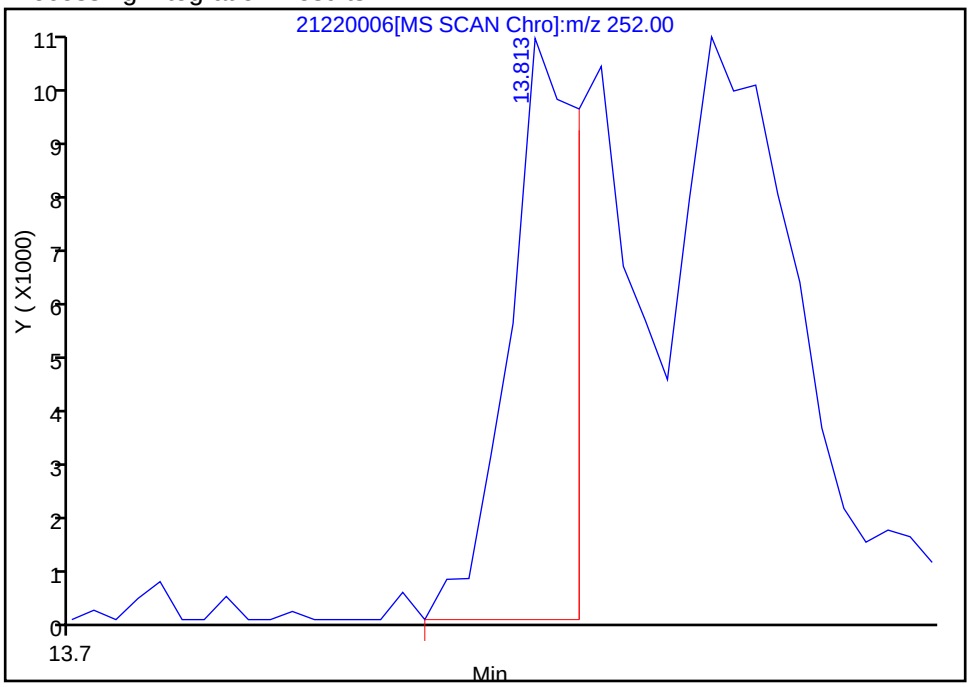
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220006.D		
Injection Date:	20-Dec-2012 15:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.82

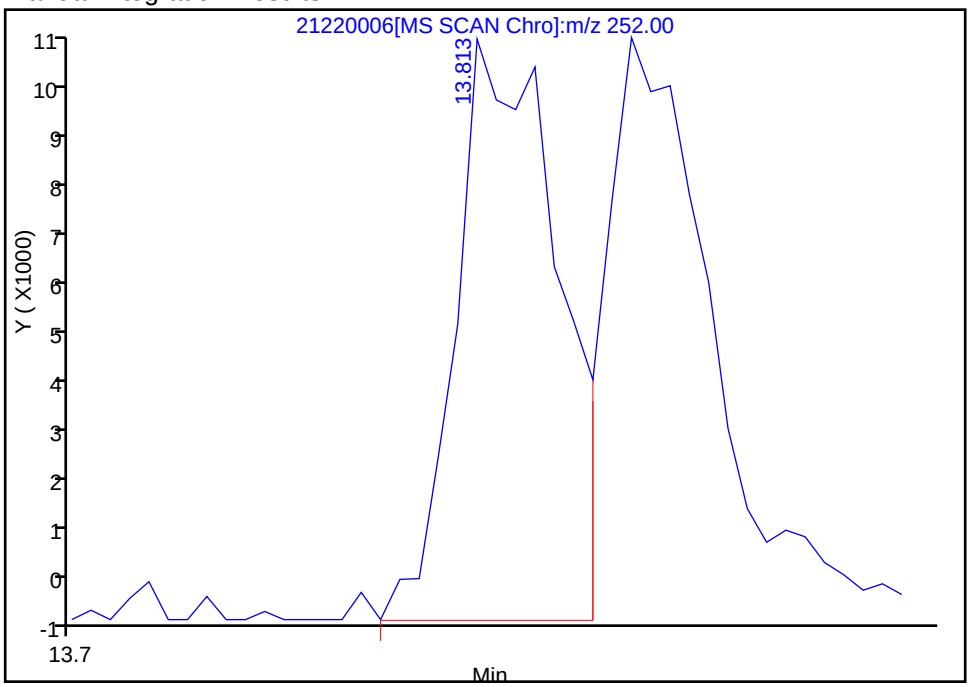
Processing Integration Results

RT: 13.81
Response: 12868
Amount: 0.102126



Manual Integration Results

RT: 13.81
Response: 21557
Amount: 0.089882



Reviewer: ulmanm, 20-Dec-2012 15:41:49
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

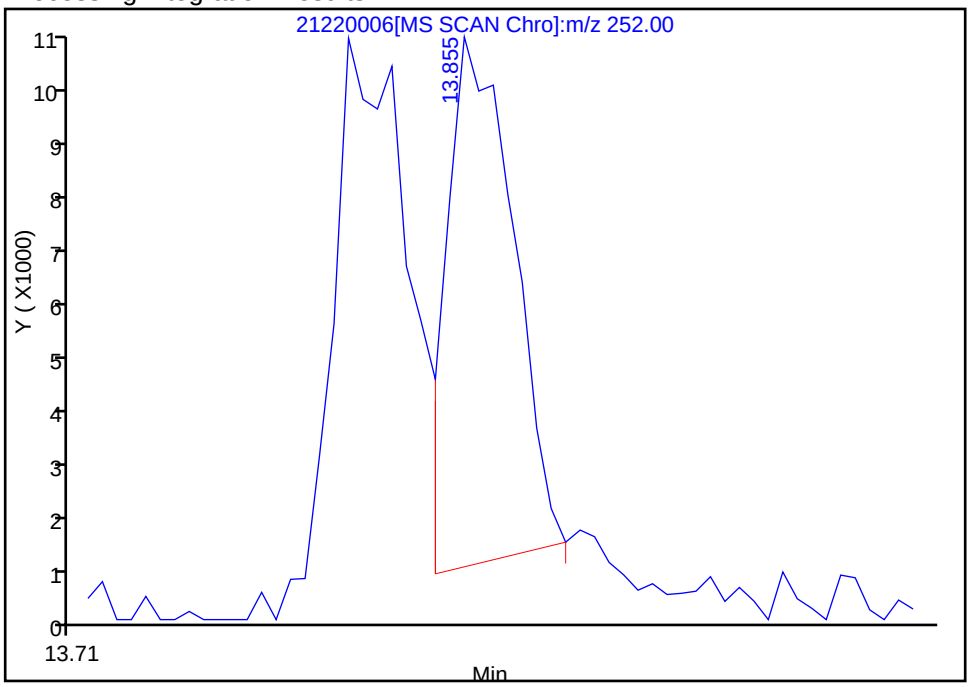
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220006.D		
Injection Date:	20-Dec-2012 15:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.87

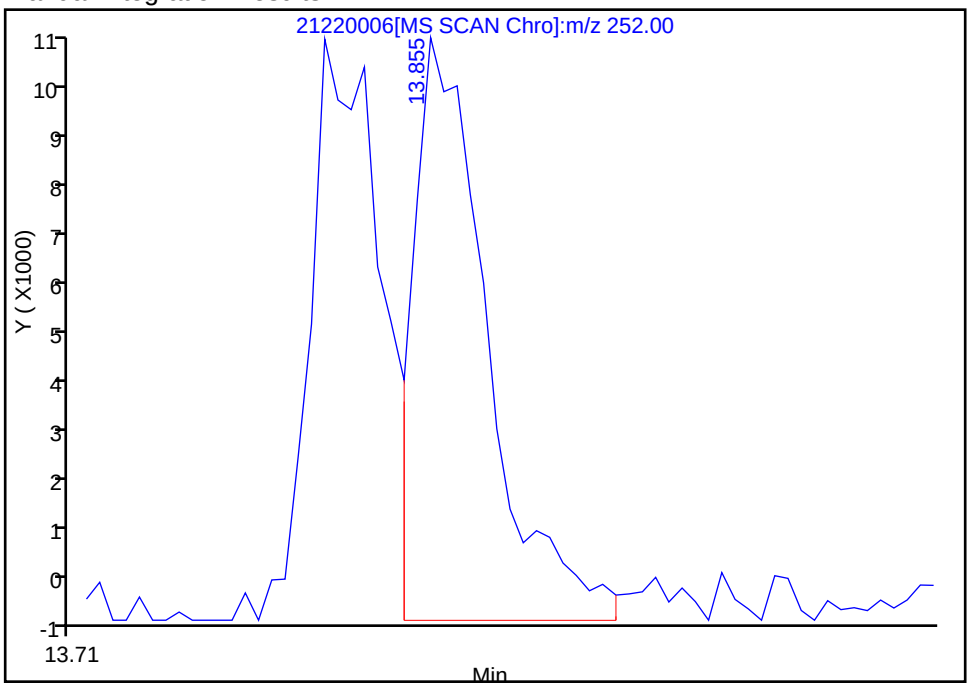
Processing Integration Results

RT: 13.86
Response: 16931
Amount: 0.099248



Manual Integration Results

RT: 13.86
Response: 22806
Amount: 0.088649



Reviewer: ulmanm, 20-Dec-2012 15:41:49
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

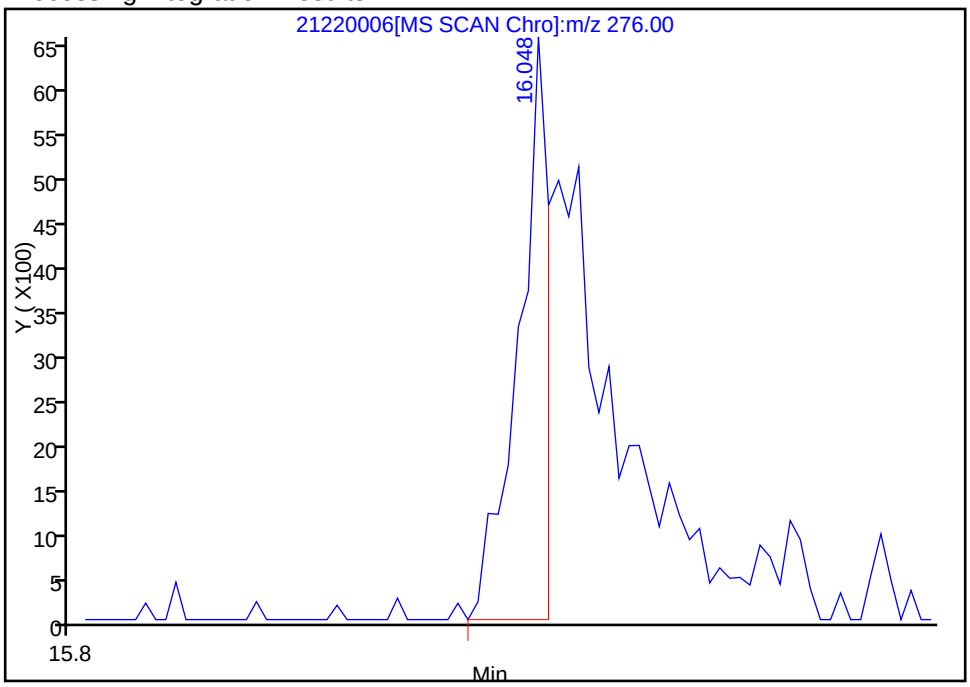
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220006.D		
Injection Date:	20-Dec-2012 15:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.05

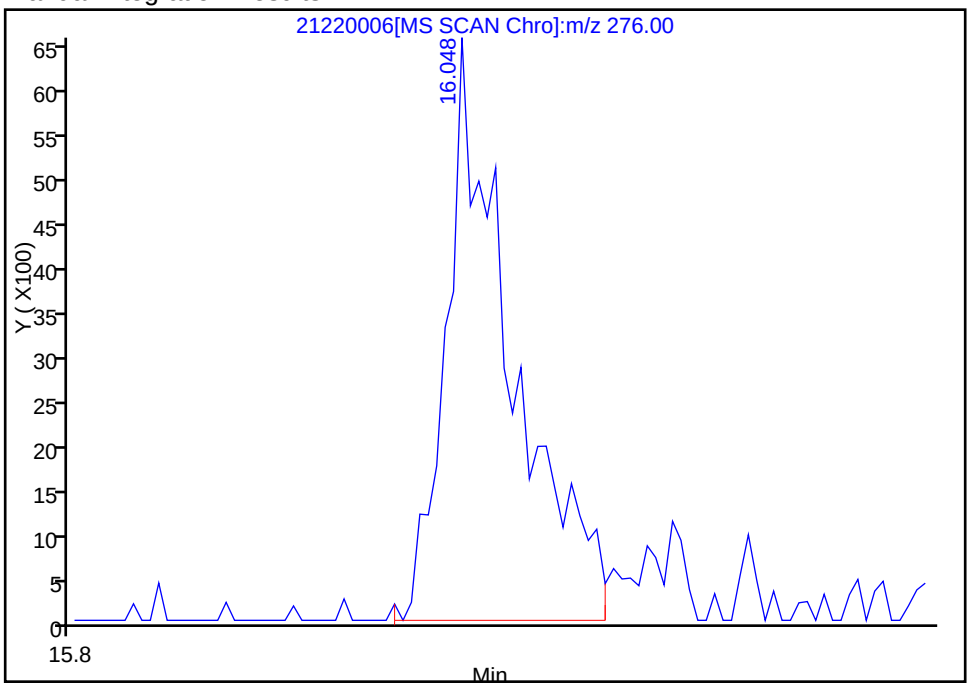
Processing Integration Results

RT: 16.05
Response: 7229
Amount: 0.106465



Manual Integration Results

RT: 16.05
Response: 18738
Amount: 0.078326



Reviewer: ulmanm, 20-Dec-2012 15:41:49
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 21-Dec-2012 09:00:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

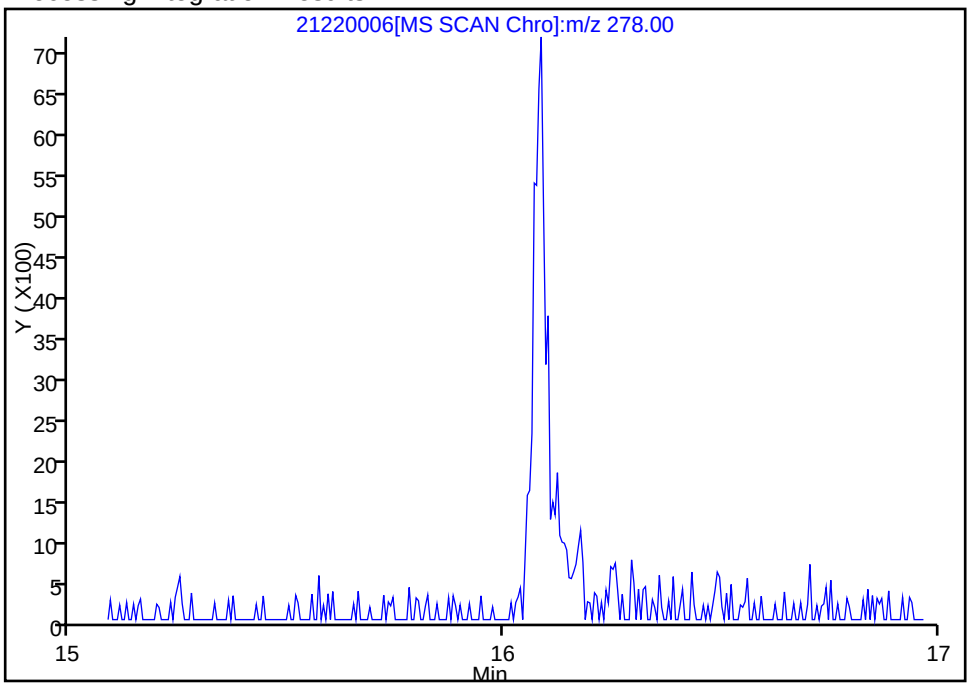
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220006.D		
Injection Date:	20-Dec-2012 15:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

187 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.09

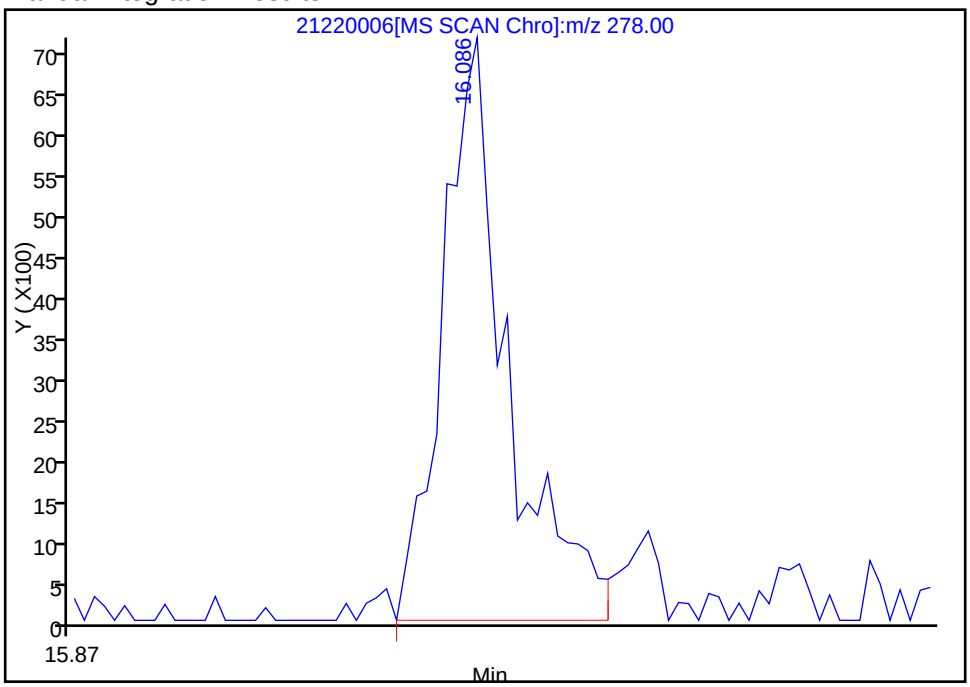
Not Detected
Expected RT: 16.09

Processing Integration Results



Manual Integration Results

RT: 16.09
Response: 16995
Amount: 0.083463



Reviewer: ulmanm, 20-Dec-2012 15:41:49
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

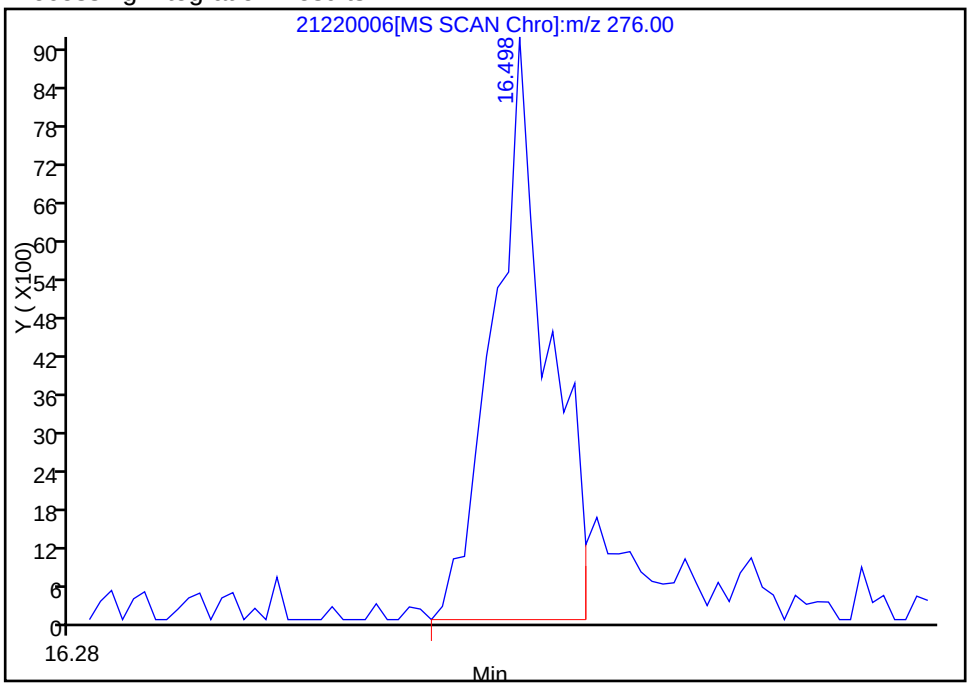
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220006.D		
Injection Date:	20-Dec-2012 15:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.50

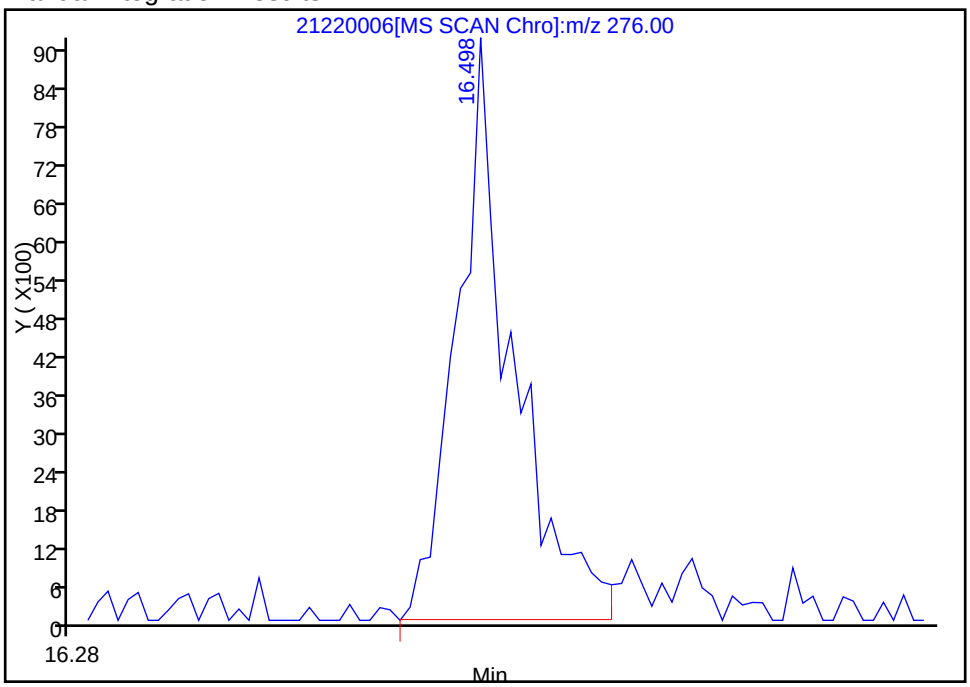
Processing Integration Results

RT: 16.50
Response: 16600
Amount: 0.085748



Manual Integration Results

RT: 16.50
Response: 18657
Amount: 0.089040



Reviewer: ulmanm, 20-Dec-2012 15:41:49
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220007.D		
Lims ID:	std9 tcl	Client ID:	
Inject. Date:	20-Dec-2012 15:45:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	240-0016051-007		
Misc. Info.:	STD9 TCL =STD9 TCL		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	69576	Lims Sample ID:	7
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\8270_hp7.m		
Last Update:	21-Dec-2012 09:01:00	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	CORP-CTX-18		
First Level Reviewer: ulmanm		Date:	21-Dec-2012 08:49:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.934	5.929	0.005	96	251240	4.00	
* 2 Naphthalene-d8	136	7.041	7.041	0.0	100	1003558	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	88	594962	4.00	
* 4 Phenanthrene-d10	188	9.790	9.790	0.0	98	992978	4.00	
* 5 Chrysene-d12	240	12.342	12.336	0.006	96	1031474	4.00	
* 6 Perylene-d12	264	14.406	14.406	0.0	92	866576	4.00	
$ 7 2-Fluorophenol	112	4.688	4.688	0.0	94	2041401	26.5	
$ 8 Phenol-d5	99	5.570	5.570	0.0	82	2728154	26.6	
$ 9 Nitrobenzene-d5	82	6.415	6.410	0.005	91	2955279	26.7	
$ 10 2-Fluorobiphenyl (Surr)	172	7.950	7.945	0.005	99	5843640	27.4	
$ 11 2,4,6-Tribromophenol	330	9.197	9.197	0.0	84	577603	28.9	
$ 12 Terphenyl-d14	244	11.143	11.143	0.0	99	5631709	26.7	
24 1,4-Dioxane	88	2.564	2.559	0.005	97	853691	24.0	M
25 N-Nitrosodimethylamine	74	3.024	3.030	-0.006	89	1294741	26.5	
26 Pyridine	79	3.078	3.088	-0.010	91	2309707	26.5	M
27 Ethyl methacrylate	69	3.687	3.687	0.0	90	1783332	25.1	
28 3-Chloropropionitrile	54	4.051	4.051	0.0	85	1809718	26.7	
32 Malononitrile	66	4.388	4.388	0.0	96	2852208	28.2	
40 Benzaldehyde	77	5.538	5.538	0.0	90	1592617	19.6	
41 Phenol	94	5.586	5.581	0.005	98	2782155	25.9	
43 Aniline	93	5.634	5.629	0.005	97	3656863	26.2	
44 Bis(2-chloroethyl)ether	93	5.683	5.683	-0.001	93	2654445	25.4	
46 2-Chlorophenol	128	5.736	5.736	0.0	96	2207416	26.0	
47 1,3-Dichlorobenzene	146	5.880	5.880	0.0	95	2815243	25.6	
48 1,4-Dichlorobenzene	146	5.945	5.945	0.0	91	2395973	26.2	
49 Benzyl alcohol	108	6.041	6.041	0.0	87	1400111	26.4	
50 1,2-Dichlorobenzene	146	6.084	6.084	0.0	94	2713424	25.7	
51 2-Methylphenol	108	6.126	6.126	0.0	97	2042833	26.5	
52 2,2'-oxybis[1-chloropropane]	45	6.159	6.159	0.0	91	3802183	25.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.260	6.255	0.005	96	2173792	26.2	
56 N-Nitrosodi-n-propylamine	70	6.276	6.271	0.005	87	1622895	26.2	
57 Acetophenone	105	6.282	6.276	0.006	91	3141474	26.2	
60 Hexachloroethane	117	6.383	6.383	0.0	92	1126908	26.0	
61 Nitrobenzene	77	6.431	6.431	0.0	87	3036837	26.6	
63 Isophorone	82	6.635	6.629	0.006	97	4489379	27.0	
65 2-Nitrophenol	139	6.709	6.704	0.005	95	1166957	28.4	
66 1,3,5-Trichlorobenzene	180	6.720	6.715	0.005	95	2306367	25.8	
64 2,4-Dimethylphenol	107	6.720	6.720	0.0	94	2223777	26.1	
69 Benzoic acid	122	6.811	6.763	0.048	44	2792366	49.2	
68 Bis(2-chloroethoxy)methane	93	6.811	6.806	0.005	98	3239139	25.9	
71 2,4-Dichlorophenol	162	6.907	6.907	0.0	96	1806669	27.1	
72 1,2,4-Trichlorobenzene	180	6.988	6.988	0.0	92	2331291	26.1	
73 Naphthalene	128	7.062	7.062	0.0	98	6259631	25.5	
74 4-Chloroaniline	127	7.095	7.089	0.006	83	2787171	26.9	
77 Hexachlorobutadiene	225	7.159	7.159	0.0	93	1252096	25.8	
78 1,2,3-Trichlorobenzene	180	7.180	7.180	0.0	92	2247824	0	
83 Caprolactam	113	7.394	7.367	0.027	74	551340	25.0	
84 4-Chloro-3-methylphenol	107	7.485	7.480	0.005	96	1941907	27.3	
85 2-Methylnaphthalene	142	7.645	7.645	0.0	88	4254799	26.4	
86 1-Methylnaphthalene	142	7.731	7.731	0.0	83	3979891	26.4	
88 Hexachlorocyclopentadiene	237	7.779	7.774	0.005	80	1444927	28.7	
87 1,2,3,5-Tetrachlorobenzene	216	7.774	7.774	0.0	90	2211059	25.9	
90 2,4,6-Trichlorophenol	196	7.875	7.875	0.0	94	1302741	27.8	
91 2,4,5-Trichlorophenol	196	7.908	7.902	0.006	94	1418284	27.7	
94 2,4-Toluene diamine	121	8.020	8.015	0.005	96	1099597	23.0	
96 1,2,3,4 -Tetrachlorobenzene	216	8.031	8.031	0.0	93	2173811	0	
95 1,1'-Biphenyl	154	8.036	8.036	0.0	94	5171862	26.4	
98 2-Chloronaphthalene	162	8.063	8.063	0.0	96	5013766	27.0	
100 2-Nitroaniline	65	8.138	8.132	0.006	79	1516309	28.8	
103 Dimethyl phthalate	163	8.277	8.271	0.006	98	4688930	27.4	
105 2,6-Dinitrotoluene	165	8.335	8.330	0.005	88	1245170	24.8	
106 1,2-Dinitrobenzene	168	8.384	8.378	0.006	87	616811	24.8	
107 Acenaphthylene	152	8.416	8.416	0.0	96	6780546	27.7	
108 3-Nitroaniline	138	8.480	8.475	0.006	89	1206771	28.7	
110 Acenaphthene	153	8.560	8.560	0.0	92	3935098	25.8	
109 2,4-Dinitrophenol	184	8.565	8.560	0.005	71	1184333	49.1	
111 4-Nitrophenol	109	8.592	8.587	0.005	94	742261	24.8	
112 2,4-Dinitrotoluene	165	8.678	8.672	0.006	91	1680879	24.8	
114 Dibenzofuran	168	8.704	8.704	0.0	89	5953306	26.5	
115 2,3,5,6-Tetrachlorophenol	232	8.763	8.763	0.0	88	1162230	28.7	
119 Diethyl phthalate	149	8.865	8.865	0.0	96	4698931	27.5	
121 4-Chlorophenyl phenyl ether	204	8.983	8.983	0.0	93	2673524	26.8	
123 4-Nitroaniline	138	8.999	8.988	0.011	51	1198378	28.7	
124 Fluorene	166	8.999	8.993	0.006	76	4791852	26.8	
126 4,6-Dinitro-2-methylphenol	198	9.020	9.015	0.005	75	809696	24.5	
130 N-Nitrosodiphenylamine	169	9.079	9.074	0.005	0	3606229	26.8	
129 1,2-Diphenylhydrazine	77	9.116	9.116	0.0	0	5601292	27.0	
131 Azobenzene	77	9.116	9.116	0.0	99	5601292	27.0	
137 4-Bromophenyl phenyl ether	248	9.400	9.394	0.006	65	1488893	25.9	
139 Hexachlorobenzene	284	9.464	9.459	0.005	88	1457245	25.4	
140 Atrazine	200	9.507	9.507	0.0	88	951828	25.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.619	9.614	0.005	87	1774691	54.1	
146 Phenanthrene	178	9.812	9.812	0.0	97	6956936	26.1	
147 Anthracene	178	9.854	9.854	0.0	98	7091388	26.6	
149 Carbazole	167	9.977	9.977	0.0	82	6786107	26.6	
151 Di-n-butyl phthalate	149	10.234	10.234	0.0	100	7701422	26.7	
157 Fluoranthene	202	10.817	10.817	0.0	97	7640350	26.1	
158 Benzidine	184	10.913	10.913	0.0	99	3289528	24.6	
160 Pyrene	202	11.031	11.026	0.005	95	7745522	26.0	
166 Butyl benzyl phthalate	149	11.620	11.620	0.0	96	3482858	28.8	
170 3,3'-Dimethoxybenzidine	244	12.229	12.224	0.005	89	1788715	24.5	
173 3,3'-Dichlorobenzidine	252	12.272	12.267	0.005	70	2721034	27.8	
172 4,4'-Methylene bis(2-chloroanili	231	12.272	12.267	0.005	74	1307308	24.9	
171 Bis(2-ethylhexyl) phthalate	149	12.288	12.288	0.0	97	4977048	24.9	
175 Benzo[a]anthracene	228	12.326	12.320	0.006	95	7267592	27.3	
176 Chrysene	228	12.374	12.368	0.006	96	6726083	26.6	
178 Di-n-octyl phthalate	149	13.197	13.192	0.005	99	8574021	24.9	
180 Benzo[b]fluoranthene	252	13.828	13.823	0.005	93	7210701	27.9	
181 Benzo[k]fluoranthene	252	13.871	13.866	0.005	95	7630734	27.5	
182 Benzo[a]pyrene	252	14.331	14.321	0.010	74	7065369	29.0	
186 Indeno[1,2,3-cd]pyrene	276	16.070	16.054	0.016	94	7343227	28.4	
187 Dibenz(a,h)anthracene	278	16.096	16.086	0.010	77	6265172	28.5	
188 Benzo[g,h,i]perylene	276	16.519	16.503	0.016	92	6283712	27.8	
S 189 Methyl Phenols,Total	100				0		26.5	

QC Flag Legend

Review Flags
M - Manually Integrated

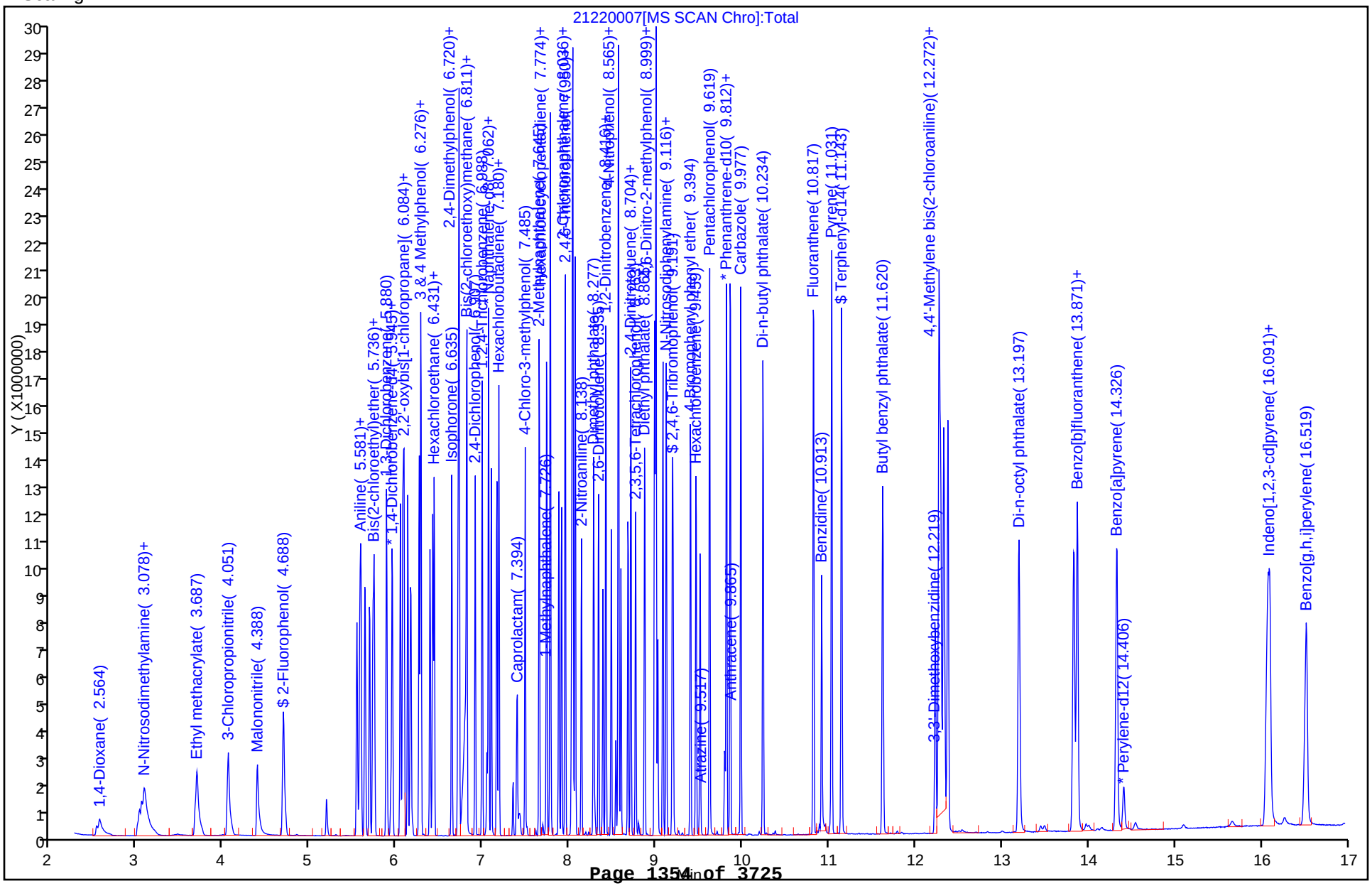
Report Date: 21-Dec-2012 09:01:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220007.D

Injection Date:	20-Dec-2012 15:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	7
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

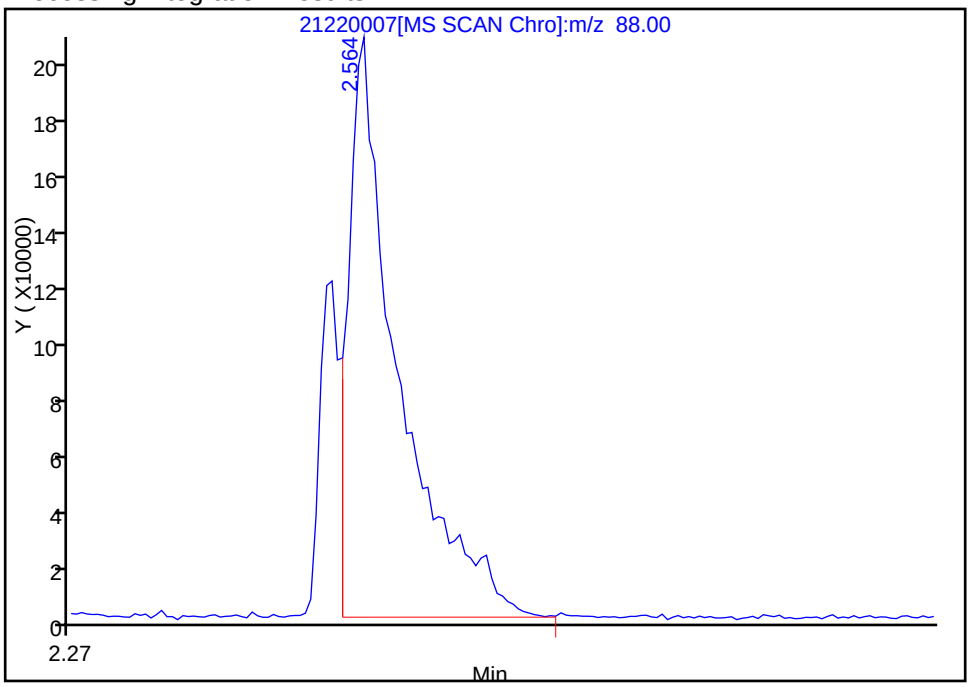
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220007.D		
Injection Date:	20-Dec-2012 15:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	7
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.56

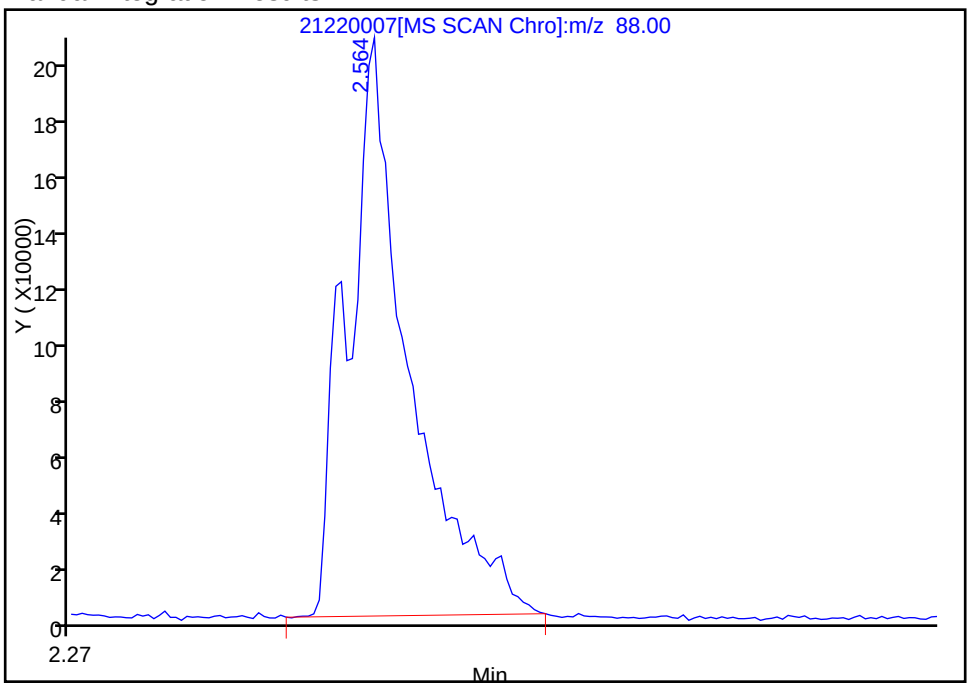
Processing Integration Results

RT: 2.56
Response: 718380
Amount: 25.011764



Manual Integration Results

RT: 2.56
Response: 853691
Amount: 24.021921



Reviewer: ulmanm, 21-Dec-2012 08:49:14
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

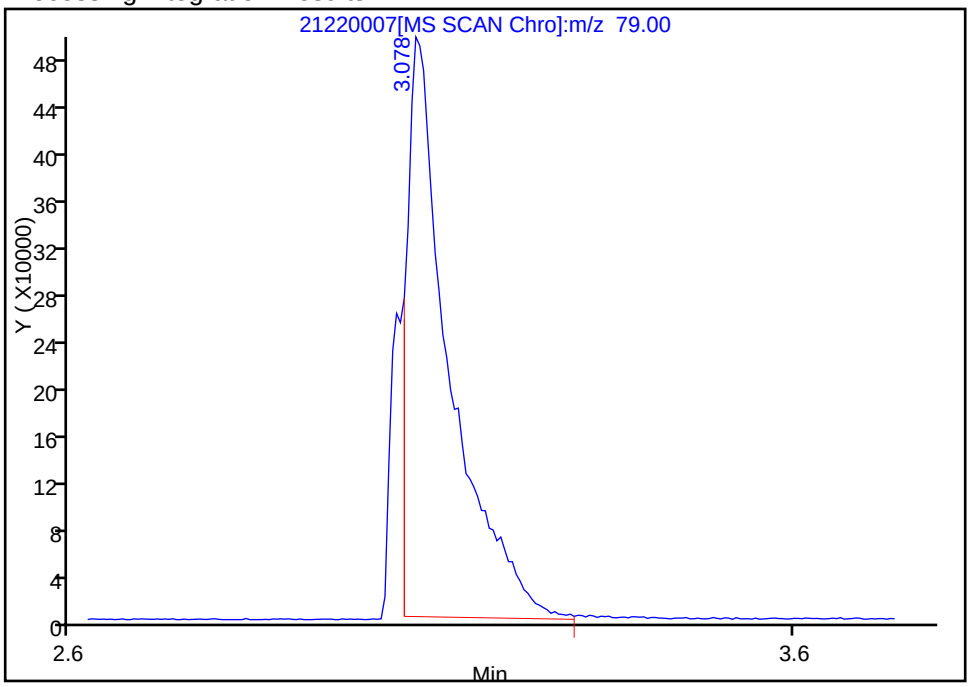
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220007.D		
Injection Date:	20-Dec-2012 15:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	7
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.09

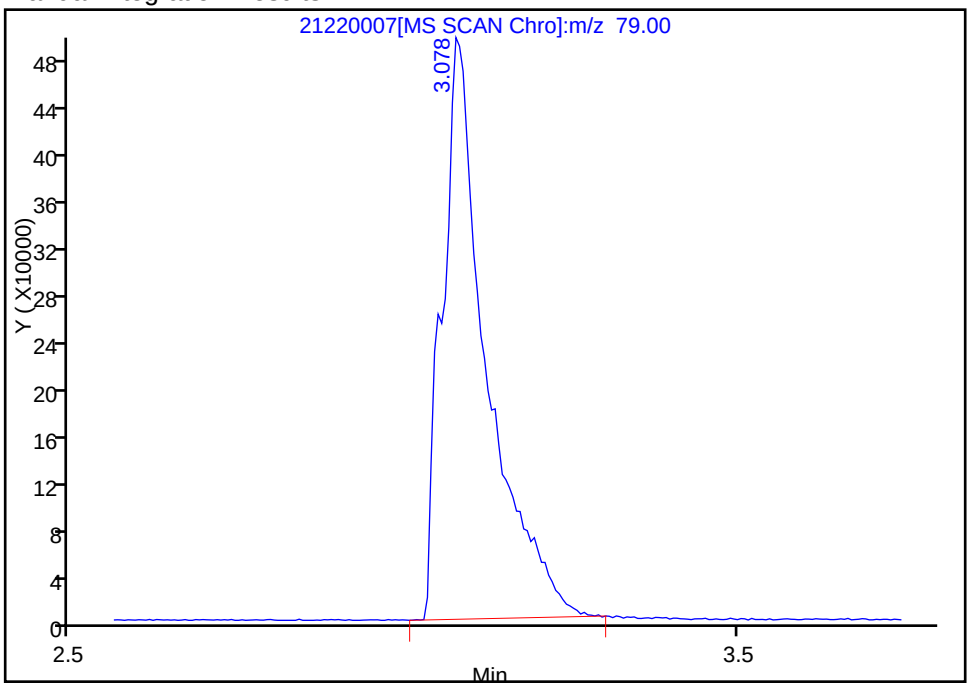
Processing Integration Results

RT: 3.08
Response: 2030453
Amount: 24.239745



Manual Integration Results

RT: 3.08
Response: 2309707
Amount: 26.494723



Reviewer: ulmanm, 21-Dec-2012 08:49:14
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220008.D
Lims ID: std8 tcl
Client ID:
Inject. Date: 20-Dec-2012 16:08:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 8
Sample ID: 240-0016051-008
Misc. Info.: STD8 TCL
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 8
Lims Batch ID: 69576
Lims Sample ID: 8
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\8270_hp7.m
Last Update: 21-Dec-2012 09:01:01
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm
Date: 21-Dec-2012 08:51:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.929	5.929	0.0	96	312176	4.00	
* 2 Naphthalene-d8	136	7.041	7.041	0.0	100	1232909	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	91	741521	4.00	
* 4 Phenanthrene-d10	188	9.790	9.790	0.0	97	1202787	4.00	
* 5 Chrysene-d12	240	12.342	12.336	0.006	89	1278821	4.00	
* 6 Perylene-d12	264	14.406	14.406	0.0	96	1084319	4.00	
$ 7 2-Fluorophenol	112	4.688	4.688	0.0	94	2010242	21.0	
$ 8 Phenol-d5	99	5.570	5.570	0.0	88	2654062	20.8	
$ 9 Nitrobenzene-d5	82	6.415	6.410	0.005	90	2946631	21.7	
$ 10 2-Fluorobiphenyl (Surr)	172	7.950	7.945	0.005	99	5716272	21.5	
$ 11 2,4,6-Tribromophenol	330	9.197	9.197	0.0	87	569782	22.9	
$ 12 Terphenyl-d14	244	11.144	11.143	0.001	99	5587067	21.4	
24 1,4-Dioxane	88	2.564	2.559	0.005	96	845342	19.1	M
25 N-Nitrosodimethylamine	74	3.024	3.030	-0.006	86	1314443	21.6	
26 Pyridine	79	3.078	3.088	-0.010	89	2358540	21.8	
27 Ethyl methacrylate	69	3.688	3.687	0.001	90	1794987	20.3	
28 3-Chloropropionitrile	54	4.051	4.051	0.0	86	1819270	21.6	
32 Malononitrile	66	4.388	4.388	0.0	97	2846337	22.7	
40 Benzaldehyde	77	5.538	5.538	0.0	91	1720625	17.1	
41 Phenol	94	5.586	5.581	0.005	98	2842149	21.3	
43 Aniline	93	5.629	5.629	0.0	97	3628133	20.9	
44 Bis(2-chloroethyl)ether	93	5.683	5.683	0.0	93	2651768	20.5	
46 2-Chlorophenol	128	5.736	5.736	0.0	96	2214958	21.0	
47 1,3-Dichlorobenzene	146	5.881	5.880	0.001	95	2826008	20.6	
48 1,4-Dichlorobenzene	146	5.945	5.945	0.0	91	2346933	20.6	
49 Benzyl alcohol	108	6.041	6.041	0.0	88	1395777	21.2	
50 1,2-Dichlorobenzene	146	6.084	6.084	0.0	94	2663205	20.3	
51 2-Methylphenol	108	6.127	6.126	0.001	97	2035000	21.2	
52 2,2'-oxybis[1-chloropropane]	45	6.159	6.159	0.0	91	3791120	20.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.260	6.255	0.005	97	2175565	21.1	
56 N-Nitrosodi-n-propylamine	70	6.276	6.271	0.005	88	1611667	20.9	
57 Acetophenone	105	6.282	6.276	0.006	90	3091980	20.8	
60 Hexachloroethane	117	6.383	6.383	0.0	92	1113757	20.7	
61 Nitrobenzene	77	6.431	6.431	0.0	91	3055559	21.7	
63 Isophorone	82	6.635	6.629	0.006	97	4478203	21.9	
65 2-Nitrophenol	139	6.704	6.704	0.0	94	1156475	22.9	
66 1,3,5-Trichlorobenzene	180	6.715	6.715	0.0	94	2244077	20.4	
64 2,4-Dimethylphenol	107	6.720	6.720	0.0	96	2189369	20.9	
69 Benzoic acid	122	6.811	6.763	0.048	48	2848692	41.7	
68 Bis(2-chloroethoxy)methane	93	6.811	6.806	0.005	98	3298779	21.5	
71 2,4-Dichlorophenol	162	6.907	6.907	0.0	96	1791621	21.9	
72 1,2,4-Trichlorobenzene	180	6.988	6.988	0.0	92	2334738	21.3	
73 Naphthalene	128	7.063	7.062	0.001	97	6321272	21.0	
74 4-Chloroaniline	127	7.095	7.089	0.006	83	2745528	21.6	
77 Hexachlorobutadiene	225	7.159	7.159	0.0	93	1239603	20.8	
78 1,2,3-Trichlorobenzene	180	7.180	7.180	0.0	89	2198066	0	
83 Caprolactam	113	7.389	7.367	0.022	73	563097	20.8	
84 4-Chloro-3-methylphenol	107	7.485	7.480	0.005	96	1934952	22.1	
85 2-Methylnaphthalene	142	7.646	7.645	0.001	87	4220039	21.3	
86 1-Methylnaphthalene	142	7.731	7.731	0.0	91	3991903	21.5	
88 Hexachlorocyclopentadiene	237	7.779	7.774	0.005	88	1387363	22.1	
87 1,2,3,5-Tetrachlorobenzene	216	7.774	7.774	0.0	91	2212677	20.8	
90 2,4,6-Trichlorophenol	196	7.876	7.875	0.001	93	1319553	22.6	
91 2,4,5-Trichlorophenol	196	7.908	7.902	0.006	94	1399484	22.0	
94 2,4-Toluene diamine	121	8.020	8.015	0.005	96	1016617	17.3	
96 1,2,3,4 -Tetrachlorobenzene	216	8.031	8.031	0.0	93	2133305	0	
95 1,1'-Biphenyl	154	8.036	8.036	0.0	94	5060741	20.8	
98 2-Chloronaphthalene	162	8.063	8.063	0.0	95	5009547	21.6	
100 2-Nitroaniline	65	8.138	8.132	0.006	80	1507114	23.0	
103 Dimethyl phthalate	163	8.277	8.271	0.006	98	4653092	21.8	
105 2,6-Dinitrotoluene	165	8.336	8.330	0.006	88	1244248	20.5	
106 1,2-Dinitrobenzene	168	8.384	8.378	0.006	88	620387	20.5	
107 Acenaphthylene	152	8.416	8.416	0.0	96	6601738	21.7	
108 3-Nitroaniline	138	8.480	8.475	0.006	89	1208479	23.0	
110 Acenaphthene	153	8.560	8.560	0.0	91	3880649	20.4	
109 2,4-Dinitrophenol	184	8.566	8.560	0.006	73	1254569	42.4	
111 4-Nitrophenol	109	8.592	8.587	0.005	94	737648	20.5	
112 2,4-Dinitrotoluene	165	8.678	8.672	0.006	90	1691520	20.5	
114 Dibenzofuran	168	8.705	8.704	0.001	90	5944567	21.2	
115 2,3,5,6-Tetrachlorophenol	232	8.763	8.763	0.0	88	1171273	23.2	
119 Diethyl phthalate	149	8.865	8.865	0.0	97	4609089	21.7	
121 4-Chlorophenyl phenyl ether	204	8.983	8.983	0.0	93	2622789	21.1	
123 4-Nitroaniline	138	8.999	8.988	0.011	62	1206040	23.2	
124 Fluorene	166	8.999	8.993	0.006	77	4812282	21.6	
126 4,6-Dinitro-2-methylphenol	198	9.020	9.015	0.005	74	832078	21.0	
130 N-Nitrosodiphenylamine	169	9.079	9.074	0.005	0	3615704	22.2	
129 1,2-Diphenylhydrazine	77	9.116	9.116	0.0	0	5519452	22.0	
131 Azobenzene	77	9.116	9.116	0.0	99	5519483	22.0	
137 4-Bromophenyl phenyl ether	248	9.400	9.394	0.006	65	1472404	21.1	
139 Hexachlorobenzene	284	9.459	9.459	0.0	86	1435120	20.7	
140 Atrazine	200	9.507	9.507	0.0	89	966415	21.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.619	9.614	0.005	83	1806484	45.5	
146 Phenanthrene	178	9.812	9.812	0.0	98	6710267	20.8	
147 Anthracene	178	9.860	9.854	0.006	97	7253938	22.5	
149 Carbazole	167	9.978	9.977	0.001	82	6636266	21.5	
151 Di-n-butyl phthalate	149	10.234	10.234	0.0	100	7567957	21.7	
157 Fluoranthene	202	10.823	10.817	0.006	97	7716245	21.8	
158 Benzidine	184	10.914	10.913	0.001	99	3375926	20.8	
160 Pyrene	202	11.031	11.026	0.005	95	7806162	21.1	
166 Butyl benzyl phthalate	149	11.620	11.620	0.0	96	3459356	23.0	
170 3,3'-Dimethoxybenzidine	244	12.229	12.224	0.005	92	1853271	21.0	
173 3,3'-Dichlorobenzidine	252	12.272	12.267	0.005	65	2733875	22.5	
172 4,4'-Methylene bis(2-chloroanili	231	12.272	12.267	0.005	71	1302190	20.3	
171 Bis(2-ethylhexyl) phthalate	149	12.294	12.288	0.006	96	4892253	20.3	
175 Benzo[a]anthracene	228	12.326	12.320	0.006	95	7243171	21.9	
176 Chrysene	228	12.374	12.368	0.006	96	6587742	21.0	
178 Di-n-octyl phthalate	149	13.197	13.192	0.005	99	8478197	20.3	
180 Benzo[b]fluoranthene	252	13.829	13.823	0.006	91	7136813	22.0	
181 Benzo[k]fluoranthene	252	13.871	13.866	0.005	95	7555366	21.8	
182 Benzo[a]pyrene	252	14.326	14.321	0.005	77	7008788	23.0	
186 Indeno[1,2,3-cd]pyrene	276	16.070	16.054	0.016	94	7275353	22.5	
187 Dibenz(a,h)anthracene	278	16.096	16.086	0.010	82	6230869	22.7	
188 Benzo[g,h,i]perylene	276	16.519	16.503	0.016	88	6259787	22.1	
S 189 Methyl Phenols,Total	100				0		21.2	

QC Flag Legend

Review Flags
M - Manually Integrated

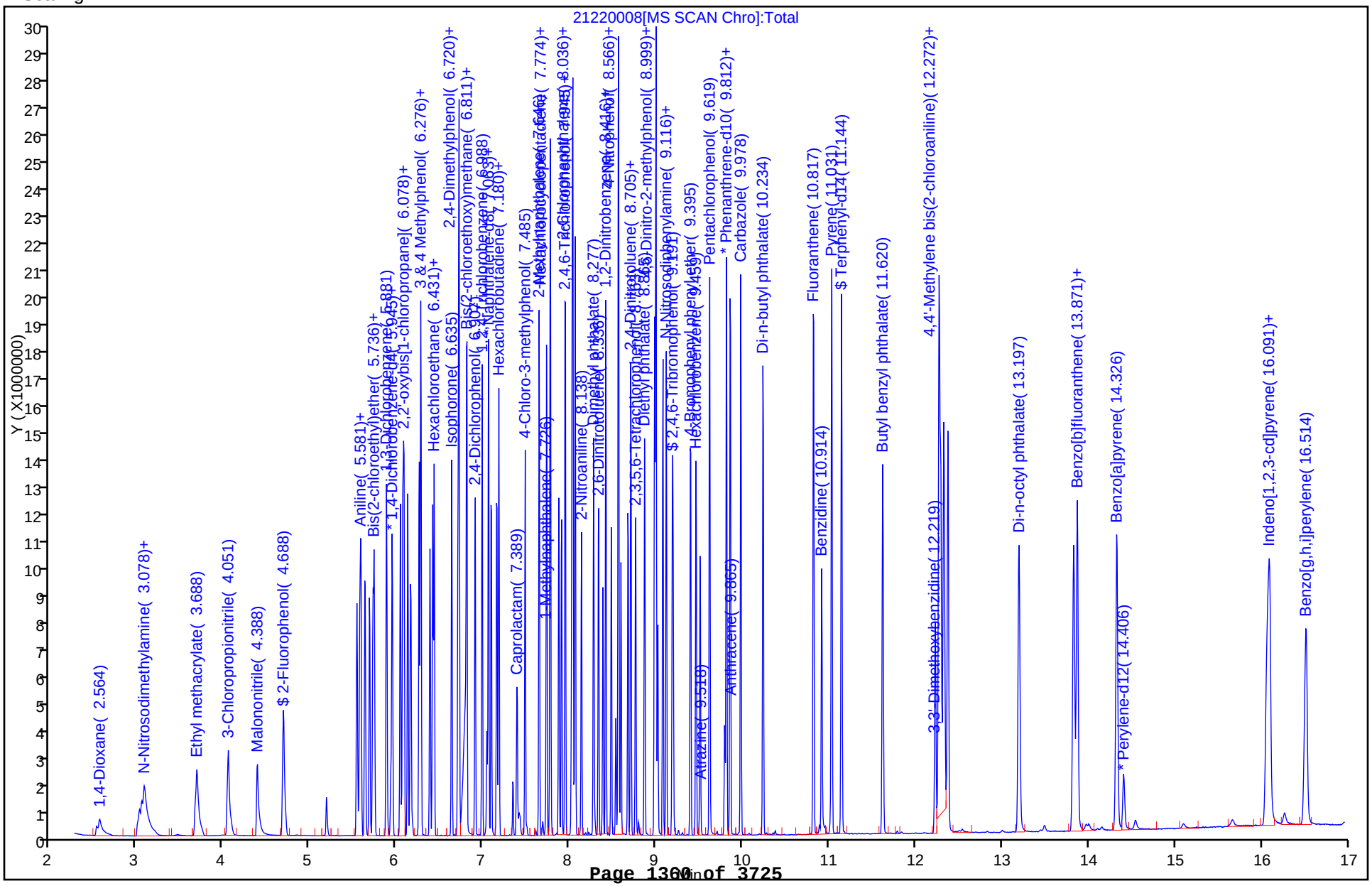
Report Date: 21-Dec-2012 09:01:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220008.D

Injection Date:	20-Dec-2012 16:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

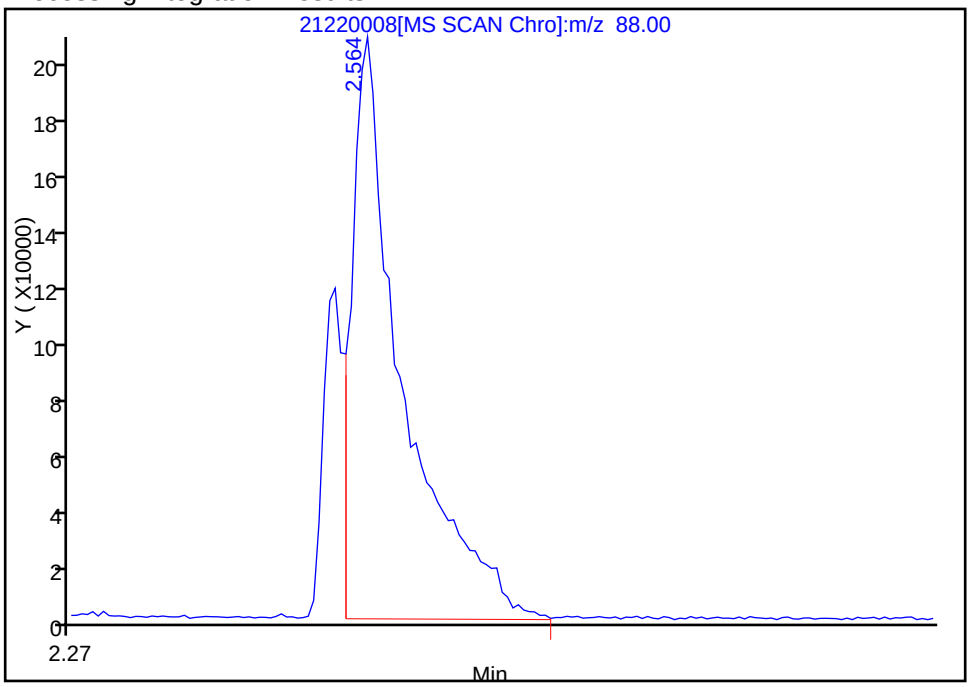
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220008.D		
Injection Date:	20-Dec-2012 16:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.56

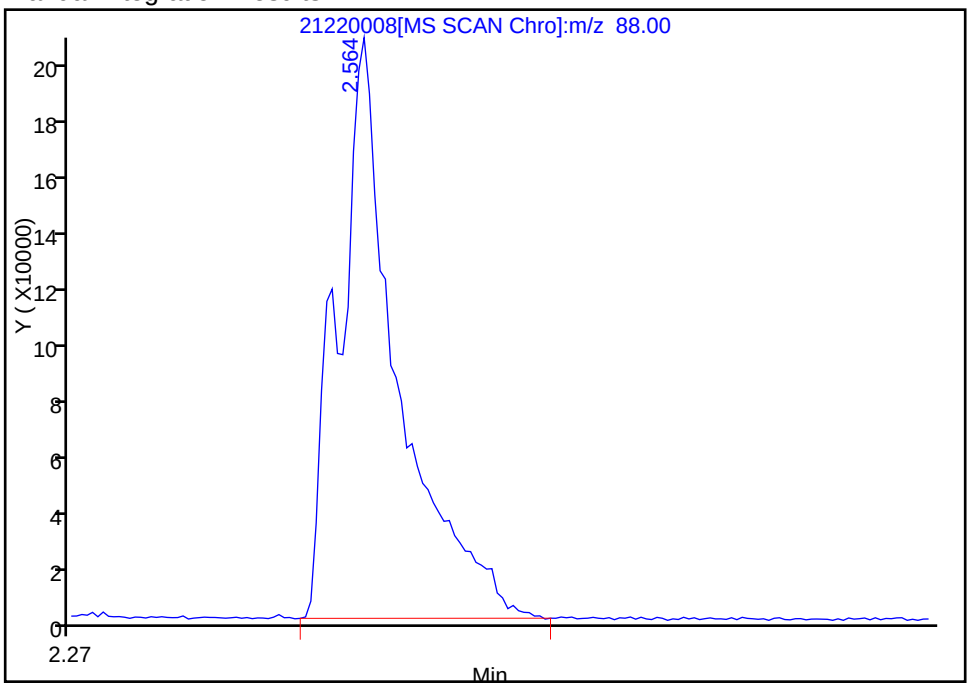
Processing Integration Results

RT: 2.56
Response: 711865
Amount: 18.943577



Manual Integration Results

RT: 2.56
Response: 845342
Amount: 19.143827



Reviewer: ulmanm, 21-Dec-2012 08:51:11
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220009.D
Lims ID: std7 tcl
Client ID:
Inject. Date: 20-Dec-2012 16:32:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 7
Sample ID: 240-0016051-009
Misc. Info.: STD7 TCL
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 9
Lims Batch ID: 69576
Lims Sample ID: 9
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\8270_hp7.m
Last Update: 21-Dec-2012 09:01:02
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm
Date: 21-Dec-2012 08:52:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.929	5.929	0.0	97	293357	4.00	
* 2 Naphthalene-d8	136	7.041	7.041	0.0	100	1189849	4.00	
* 3 Acenaphthene-d10	164	8.534	8.533	0.001	91	738581	4.00	
* 4 Phenanthrene-d10	188	9.790	9.790	0.0	98	1160533	4.00	
* 5 Chrysene-d12	240	12.342	12.336	0.006	87	1236921	4.00	
* 6 Perylene-d12	264	14.406	14.406	0.0	92	1022857	4.00	
$ 7 2-Fluorophenol	112	4.688	4.688	0.0	94	1414846	15.7	
$ 8 Phenol-d5	99	5.570	5.570	0.0	89	1863385	15.6	
$ 9 Nitrobenzene-d5	82	6.415	6.410	0.005	92	2038356	15.6	
$ 10 2-Fluorobiphenyl (Surr)	172	7.945	7.945	0.0	100	3952267	14.9	
$ 11 2,4,6-Tribromophenol	330	9.197	9.197	0.0	88	405137	16.3	
$ 12 Terphenyl-d14	244	11.144	11.143	0.001	98	3873184	15.3	
24 1,4-Dioxane	88	2.559	2.559	0.0	97	592728	14.3	M
25 N-Nitrosodimethylamine	74	3.024	3.030	-0.006	88	907368	15.9	
26 Pyridine	79	3.078	3.088	-0.010	86	1589862	15.6	M
27 Ethyl methacrylate	69	3.688	3.687	0.001	91	1245666	15.0	
28 3-Chloropropionitrile	54	4.051	4.051	0.0	84	1275258	16.1	
32 Malononitrile	66	4.383	4.388	-0.005	97	1940823	16.4	
40 Benzaldehyde	77	5.538	5.538	0.0	91	1361531	14.4	
41 Phenol	94	5.581	5.581	0.0	98	1931453	15.4	
43 Aniline	93	5.629	5.629	0.0	97	2545209	15.6	
44 Bis(2-chloroethyl)ether	93	5.683	5.683	0.0	93	1844015	15.1	
46 2-Chlorophenol	128	5.736	5.736	0.0	96	1544944	15.6	
47 1,3-Dichlorobenzene	146	5.881	5.880	0.001	95	1974289	15.3	
48 1,4-Dichlorobenzene	146	5.945	5.945	0.0	91	1664549	15.6	
49 Benzyl alcohol	108	6.041	6.041	0.0	88	966270	15.6	
50 1,2-Dichlorobenzene	146	6.084	6.084	0.0	94	1875831	15.2	
51 2-Methylphenol	108	6.127	6.126	0.001	97	1421636	15.8	
52 2,2'-oxybis[1-chloropropane]	45	6.159	6.159	0.0	91	2615147	15.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.255	6.255	0.0	97	1502619	15.5	
56 N-Nitrosodi-n-propylamine	70	6.271	6.271	0.0	91	1134825	15.7	
57 Acetophenone	105	6.276	6.276	0.0	91	2158672	15.4	
60 Hexachloroethane	117	6.383	6.383	0.0	93	775638	15.3	
61 Nitrobenzene	77	6.432	6.431	0.001	87	2125565	15.7	
63 Isophorone	82	6.635	6.629	0.006	97	3067993	15.5	
65 2-Nitrophenol	139	6.704	6.704	0.0	94	779476	16.0	
66 1,3,5-Trichlorobenzene	180	6.715	6.715	0.0	94	1615823	15.2	
64 2,4-Dimethylphenol	107	6.720	6.720	0.0	96	1542165	15.2	
69 Benzoic acid	122	6.795	6.763	0.032	84	1901206	30.0	
68 Bis(2-chloroethoxy)methane	93	6.806	6.806	0.0	90	2271199	15.3	
71 2,4-Dichlorophenol	162	6.908	6.907	0.001	96	1268333	16.1	
72 1,2,4-Trichlorobenzene	180	6.988	6.988	0.0	93	1602557	15.1	
73 Naphthalene	128	7.063	7.062	0.001	97	4450038	15.3	
74 4-Chloroaniline	127	7.089	7.089	0.0	82	1911976	15.6	
77 Hexachlorobutadiene	225	7.159	7.159	0.0	93	870905	15.2	
78 1,2,3-Trichlorobenzene	180	7.180	7.180	0.0	89	1532920	0	
83 Caprolactam	113	7.384	7.367	0.017	74	400102	15.3	
84 4-Chloro-3-methylphenol	107	7.485	7.480	0.005	96	1329286	15.7	
85 2-Methylnaphthalene	142	7.646	7.645	0.001	90	2913071	15.3	
86 1-Methylnaphthalene	142	7.731	7.731	0.0	83	2729919	15.3	
88 Hexachlorocyclopentadiene	237	7.774	7.774	0.0	93	952941	15.3	
87 1,2,3,5-Tetrachlorobenzene	216	7.774	7.774	0.0	94	1539864	14.5	
90 2,4,6-Trichlorophenol	196	7.876	7.875	0.001	93	906372	15.6	
91 2,4,5-Trichlorophenol	196	7.902	7.902	0.0	94	987009	15.6	
94 2,4-Toluene diamine	121	8.020	8.015	0.005	97	751195	13.3	
96 1,2,3,4 -Tetrachlorobenzene	216	8.031	8.031	0.0	87	1503234	0	
95 1,1'-Biphenyl	154	8.036	8.036	0.0	94	3541716	14.6	
98 2-Chloronaphthalene	162	8.063	8.063	0.0	96	3430116	14.9	
100 2-Nitroaniline	65	8.132	8.132	0.0	78	1037126	15.9	
103 Dimethyl phthalate	163	8.277	8.271	0.006	98	3216427	15.2	
105 2,6-Dinitrotoluene	165	8.330	8.330	0.0	88	848149	14.6	
106 1,2-Dinitrobenzene	168	8.384	8.378	0.006	88	432575	14.8	
107 Acenaphthylene	152	8.416	8.416	0.0	91	4709286	15.5	
108 3-Nitroaniline	138	8.480	8.475	0.006	90	836080	16.0	
110 Acenaphthene	153	8.560	8.560	0.0	94	2712921	14.4	
109 2,4-Dinitrophenol	184	8.566	8.560	0.006	70	797204	28.2	
111 4-Nitrophenol	109	8.592	8.587	0.005	94	505640	14.8	
112 2,4-Dinitrotoluene	165	8.673	8.672	0.001	86	1167716	14.8	
114 Dibenzofuran	168	8.705	8.704	0.001	88	4103148	14.7	
115 2,3,5,6-Tetrachlorophenol	232	8.764	8.763	0.001	88	794710	15.8	
119 Diethyl phthalate	149	8.865	8.865	0.0	97	3195257	15.1	
121 4-Chlorophenyl phenyl ether	204	8.983	8.983	0.0	93	1848387	14.9	
123 4-Nitroaniline	138	8.994	8.988	0.006	59	845372	16.3	
124 Fluorene	166	8.994	8.993	0.001	79	3329028	15.0	
126 4,6-Dinitro-2-methylphenol	198	9.015	9.015	0.0	66	549732	14.8	
130 N-Nitrosodiphenylamine	169	9.079	9.074	0.005	0	2459059	15.6	
129 1,2-Diphenylhydrazine	77	9.117	9.116	0.001	0	3823349	15.8	
131 Azobenzene	77	9.117	9.116	0.001	99	3823349	15.8	
137 4-Bromophenyl phenyl ether	248	9.395	9.394	0.001	70	1037870	15.4	
139 Hexachlorobenzene	284	9.459	9.459	0.0	86	986886	14.7	
140 Atrazine	200	9.507	9.507	0.0	88	691807	15.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.619	9.614	0.005	84	1232108	32.1	
146 Phenanthrene	178	9.812	9.812	0.0	97	4747402	15.2	
147 Anthracene	178	9.855	9.854	0.001	97	4962445	16.0	
149 Carbazole	167	9.978	9.977	0.001	82	4763053	16.0	
151 Di-n-butyl phthalate	149	10.234	10.234	0.0	100	5557115	16.5	
157 Fluoranthene	202	10.817	10.817	0.0	97	5441686	15.9	
158 Benzidine	184	10.914	10.913	0.001	99	2223573	14.7	
160 Pyrene	202	11.031	11.026	0.005	96	5666528	15.8	
166 Butyl benzyl phthalate	149	11.620	11.620	0.0	96	2370037	16.3	
170 3,3'-Dimethoxybenzidine	244	12.229	12.224	0.005	93	1188213	14.7	
173 3,3'-Dichlorobenzidine	252	12.272	12.267	0.005	65	1898814	16.2	
172 4,4'-Methylene bis(2-chloroanili	231	12.272	12.267	0.005	74	911117	14.9	
171 Bis(2-ethylhexyl) phthalate	149	12.294	12.288	0.006	97	3383407	15.0	
175 Benzo[a]anthracene	228	12.326	12.320	0.006	95	4907403	15.3	
176 Chrysene	228	12.374	12.368	0.006	94	4583301	15.1	
178 Di-n-octyl phthalate	149	13.198	13.192	0.006	99	5664592	15.0	
180 Benzo[b]fluoranthene	252	13.829	13.823	0.006	94	4735273	15.5	
181 Benzo[k]fluoranthene	252	13.866	13.866	0.0	95	5285146	16.1	
182 Benzo[a]pyrene	252	14.326	14.321	0.005	77	4736774	16.5	
186 Indeno[1,2,3-cd]pyrene	276	16.064	16.054	0.010	98	4955868	16.3	
187 Dibenz(a,h)anthracene	278	16.091	16.086	0.005	80	4218978	16.3	
188 Benzo[g,h,i]perylene	276	16.514	16.503	0.011	95	4184837	15.7	
S 189 Methyl Phenols,Total	100				0		15.8	

QC Flag Legend

Review Flags
M - Manually Integrated

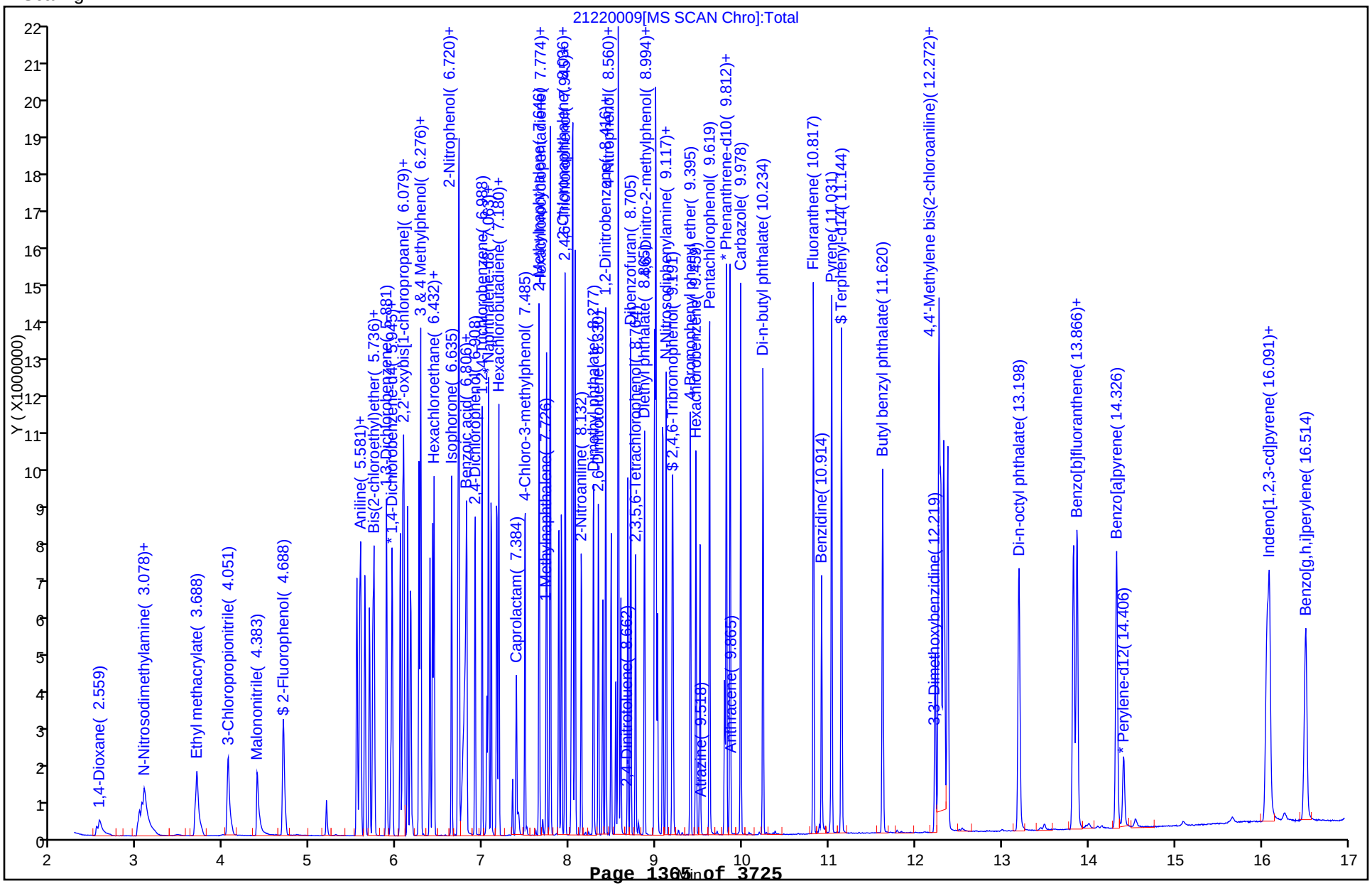
Report Date: 21-Dec-2012 09:01:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220009.D

Injection Date:	20-Dec-2012 16:32:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	9
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

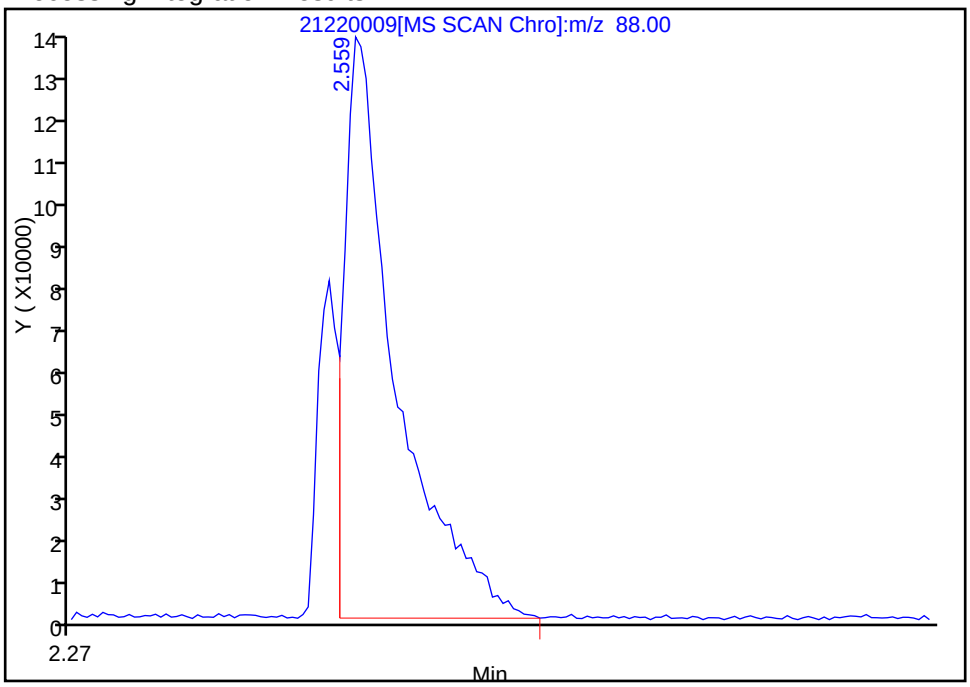
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220009.D		
Injection Date:	20-Dec-2012 16:32:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	9
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.56

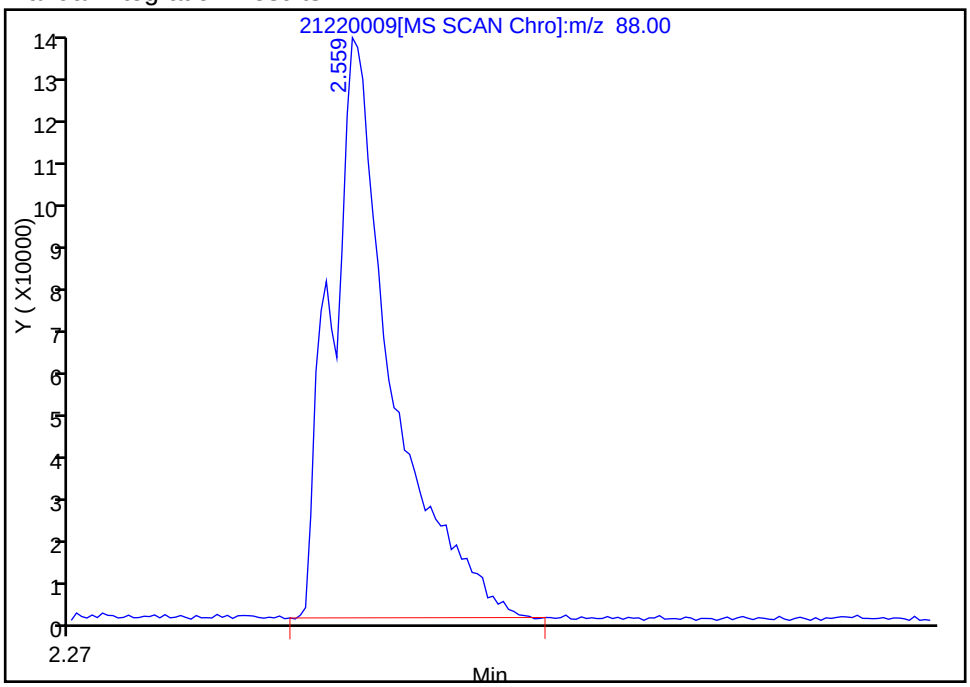
Processing Integration Results

RT: 2.56
Response: 498345
Amount: 14.213102



Manual Integration Results

RT: 2.56
Response: 592728
Amount: 14.284163



Reviewer: ulmanm, 21-Dec-2012 08:52:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

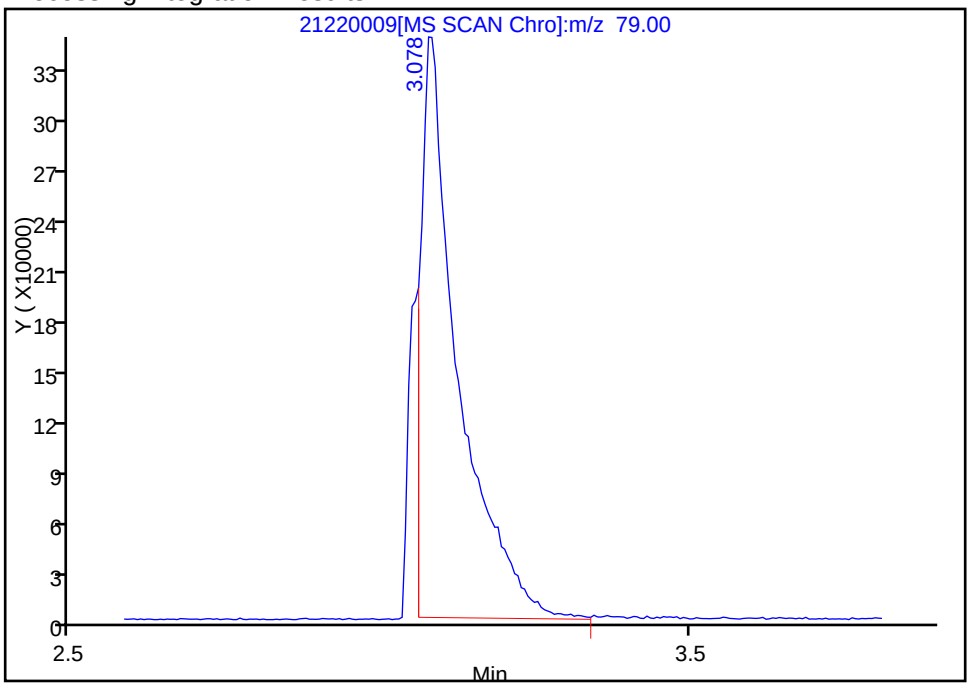
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220009.D		
Injection Date:	20-Dec-2012 16:32:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	9
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.09

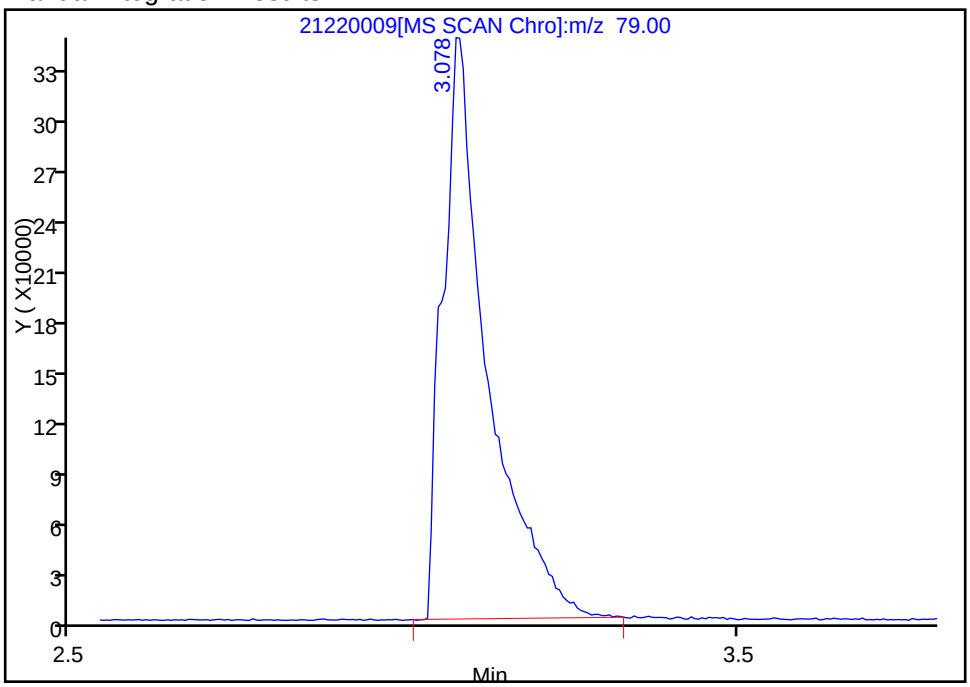
Processing Integration Results

RT: 3.08
Response: 1419031
Amount: 14.270521



Manual Integration Results

RT: 3.08
Response: 1589862
Amount: 15.619037



Reviewer: ulmanm, 21-Dec-2012 08:52:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Lims ID:	std6 tcl	Client ID:	
Inject. Date:	20-Dec-2012 16:55:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	240-0016051-010		
Misc. Info.:	STD6 TCL		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	69576	Lims Sample ID:	10
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\8270_hp7.m		
Last Update:	21-Dec-2012 09:01:03	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	CORP-CTX-18		
First Level Reviewer: hulat		Date:	21-Dec-2012 06:51:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.929	5.929	0.0	97	290605	4.00	
* 2 Naphthalene-d8	136	7.041	7.041	0.0	100	1176661	4.00	
* 3 Acenaphthene-d10	164	8.533	8.533	0.0	91	704124	4.00	
* 4 Phenanthrene-d10	188	9.790	9.790	0.0	98	1125932	4.00	
* 5 Chrysene-d12	240	12.336	12.336	0.0	85	1198460	4.00	
* 6 Perylene-d12	264	14.406	14.406	0.0	96	979934	4.00	
$ 7 2-Fluorophenol	112	4.688	4.688	0.0	93	882268	9.90	
$ 8 Phenol-d5	99	5.570	5.570	0.0	89	1196655	10.1	
$ 9 Nitrobenzene-d5	82	6.415	6.415	0.0	90	1268557	9.79	
$ 10 2-Fluorobiphenyl (Surr)	172	7.945	7.945	0.0	100	2479283	9.83	
$ 11 2,4,6-Tribromophenol	330	9.197	9.197	0.0	90	243706	10.3	
$ 12 Terphenyl-d14	244	11.143	11.143	0.0	98	2394384	9.76	
24 1,4-Dioxane	88	2.559	2.559	0.0	96	389606	9.48	M
25 N-Nitrosodimethylamine	74	3.024	3.024	0.0	90	565726	10.0	
26 Pyridine	79	3.083	3.083	0.0	92	1011026	10.0	M
27 Ethyl methacrylate	69	3.687	3.687	0.0	89	799836	9.72	
28 3-Chloropropionitrile	54	4.051	4.051	0.0	85	783605	10.0	
32 Malononitrile	66	4.388	4.388	0.0	97	1165876	9.97	
40 Benzaldehyde	77	5.538	5.538	0.0	90	965142	10.3	
41 Phenol	94	5.581	5.581	0.0	97	1255107	10.1	
43 Aniline	93	5.629	5.629	0.0	97	1642745	10.2	
44 Bis(2-chloroethyl)ether	93	5.683	5.683	0.0	92	1174915	9.74	
46 2-Chlorophenol	128	5.736	5.736	0.0	96	976038	9.94	
47 1,3-Dichlorobenzene	146	5.880	5.880	0.0	95	1252640	9.83	
48 1,4-Dichlorobenzene	146	5.945	5.945	0.0	91	1035815	9.79	
49 Benzyl alcohol	108	6.041	6.041	0.0	88	616471	10.1	
50 1,2-Dichlorobenzene	146	6.084	6.084	0.0	94	1210285	9.92	
51 2-Methylphenol	108	6.126	6.126	0.0	96	906400	10.2	
52 2,2'-oxybis[1-chloropropane]	45	6.159	6.159	0.0	90	1679188	9.76	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.255	6.255	0.0	96	946415	9.87	
56 N-Nitrosodi-n-propylamine	70	6.271	6.271	0.0	91	723351	10.1	
57 Acetophenone	105	6.276	6.276	0.0	92	1376169	9.93	
60 Hexachloroethane	117	6.383	6.383	0.0	92	493102	9.84	
61 Nitrobenzene	77	6.431	6.431	0.0	84	1334854	9.95	
63 Isophorone	82	6.635	6.635	0.0	97	1883450	9.65	
65 2-Nitrophenol	139	6.704	6.704	0.0	95	509518	10.6	
66 1,3,5-Trichlorobenzene	180	6.715	6.715	0.0	94	1016245	9.69	
64 2,4-Dimethylphenol	107	6.720	6.720	0.0	96	985425	9.85	
69 Benzoic acid	122	6.784	6.784	0.0	85	1112002	18.6	
68 Bis(2-chloroethoxy)methane	93	6.806	6.806	0.0	96	1428889	9.76	
71 2,4-Dichlorophenol	162	6.907	6.907	0.0	96	797571	10.2	
72 1,2,4-Trichlorobenzene	180	6.988	6.988	0.0	93	1034405	9.88	
73 Naphthalene	128	7.062	7.062	0.0	96	2813217	9.78	
74 4-Chloroaniline	127	7.089	7.089	0.0	81	1201804	9.91	
77 Hexachlorobutadiene	225	7.159	7.159	0.0	93	553853	9.75	
78 1,2,3-Trichlorobenzene	180	7.180	7.180	0.0	90	969009	0	
83 Caprolactam	113	7.378	7.378	0.0	73	263138	10.2	
84 4-Chloro-3-methylphenol	107	7.480	7.480	0.0	94	836419	10.0	
85 2-Methylnaphthalene	142	7.645	7.645	0.0	87	1855211	9.83	
86 1-Methylnaphthalene	142	7.731	7.731	0.0	93	1728063	9.77	
88 Hexachlorocyclopentadiene	237	7.774	7.774	0.0	90	588105	9.88	
87 1,2,3,5-Tetrachlorobenzene	216	7.774	7.774	0.0	90	994439	9.83	
90 2,4,6-Trichlorophenol	196	7.875	7.875	0.0	94	566491	10.2	
91 2,4,5-Trichlorophenol	196	7.902	7.902	0.0	93	601462	9.94	
94 2,4-Toluene diamine	121	8.020	8.020	0.0	97	538490	9.62	
96 1,2,3,4 -Tetrachlorobenzene	216	8.031	8.031	0.0	86	950961	0	
95 1,1'-Biphenyl	154	8.036	8.036	0.0	94	2243288	9.69	
98 2-Chloronaphthalene	162	8.063	8.063	0.0	96	2177502	9.90	
100 2-Nitroaniline	65	8.132	8.132	0.0	78	642091	10.3	
103 Dimethyl phthalate	163	8.271	8.271	0.0	98	1991385	9.85	
105 2,6-Dinitrotoluene	165	8.330	8.330	0.0	91	532105	10.0	
106 1,2-Dinitrobenzene	168	8.384	8.384	0.0	89	269613	9.96	
107 Acenaphthylene	152	8.416	8.416	0.0	94	2982314	10.3	
108 3-Nitroaniline	138	8.480	8.480	0.0	91	503829	10.1	
110 Acenaphthene	153	8.560	8.560	0.0	94	1721750	9.55	
109 2,4-Dinitrophenol	184	8.565	8.565	0.0	69	517938	19.9	
111 4-Nitrophenol	109	8.587	8.587	0.0	93	305064	9.82	
112 2,4-Dinitrotoluene	165	8.672	8.672	0.0	87	712337	9.81	
114 Dibenzofuran	168	8.705	8.705	0.0	88	2541022	9.56	
115 2,3,5,6-Tetrachlorophenol	232	8.763	8.763	0.0	88	503972	10.5	
119 Diethyl phthalate	149	8.865	8.865	0.0	97	1989402	9.85	
121 4-Chlorophenyl phenyl ether	204	8.983	8.983	0.0	94	1157912	9.81	
123 4-Nitroaniline	138	8.993	8.993	0.0	78	525995	10.7	
124 Fluorene	166	8.993	8.993	0.0	81	2059415	9.71	
126 4,6-Dinitro-2-methylphenol	198	9.015	9.015	0.0	68	331389	9.55	
130 N-Nitrosodiphenylamine	169	9.079	9.079	0.0	0	1524915	10.0	
129 1,2-Diphenylhydrazine	77	9.116	9.116	0.0	0	2344135	9.97	
131 Azobenzene	77	9.116	9.116	0.0	100	2344135	9.97	
137 4-Bromophenyl phenyl ether	248	9.394	9.394	0.0	71	647830	9.92	
139 Hexachlorobenzene	284	9.459	9.459	0.0	85	631684	9.72	
140 Atrazine	200	9.507	9.507	0.0	90	445834	10.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.619	9.619	0.0	87	803414	21.6	
146 Phenanthrene	178	9.812	9.812	0.0	97	2996363	9.91	
147 Anthracene	178	9.854	9.854	0.0	97	3045852	10.1	
149 Carbazole	167	9.977	9.977	0.0	82	2934798	10.2	
151 Di-n-butyl phthalate	149	10.234	10.234	0.0	100	3373787	10.3	
157 Fluoranthene	202	10.817	10.817	0.0	97	3323131	10.0	
158 Benzidine	184	10.913	10.913	0.0	99	1343039	9.57	
160 Pyrene	202	11.031	11.031	0.0	96	3474759	10.0	
166 Butyl benzyl phthalate	149	11.620	11.620	0.0	97	1444386	10.3	
170 3,3'-Dimethoxybenzidine	244	12.224	12.224	0.0	88	703722	9.50	
173 3,3'-Dichlorobenzidine	252	12.267	12.267	0.0	67	1185827	10.4	
172 4,4'-Methylene bis(2-chloroanili	231	12.267	12.267	0.0	70	570940	9.82	
171 Bis(2-ethylhexyl) phthalate	149	12.288	12.288	0.0	96	2063920	9.75	
175 Benzo[a]anthracene	228	12.320	12.320	0.0	97	3054599	9.86	
176 Chrysene	228	12.374	12.374	0.0	94	2872635	9.79	
178 Di-n-octyl phthalate	149	13.192	13.192	0.0	99	3335279	9.64	
180 Benzo[b]fluoranthene	252	13.823	13.823	0.0	93	3024372	10.3	
181 Benzo[k]fluoranthene	252	13.866	13.866	0.0	95	3258032	10.4	
182 Benzo[a]pyrene	252	14.321	14.321	0.0	75	2927922	10.6	
186 Indeno[1,2,3-cd]pyrene	276	16.059	16.059	0.0	98	3055186	10.5	
187 Dibenz(a,h)anthracene	278	16.086	16.086	0.0	85	2565096	10.3	
188 Benzo[g,h,i]perylene	276	16.508	16.508	0.0	90	2604286	10.2	
S 189 Methyl Phenols,Total	100				0		10.2	

QC Flag Legend

Review Flags
M - Manually Integrated

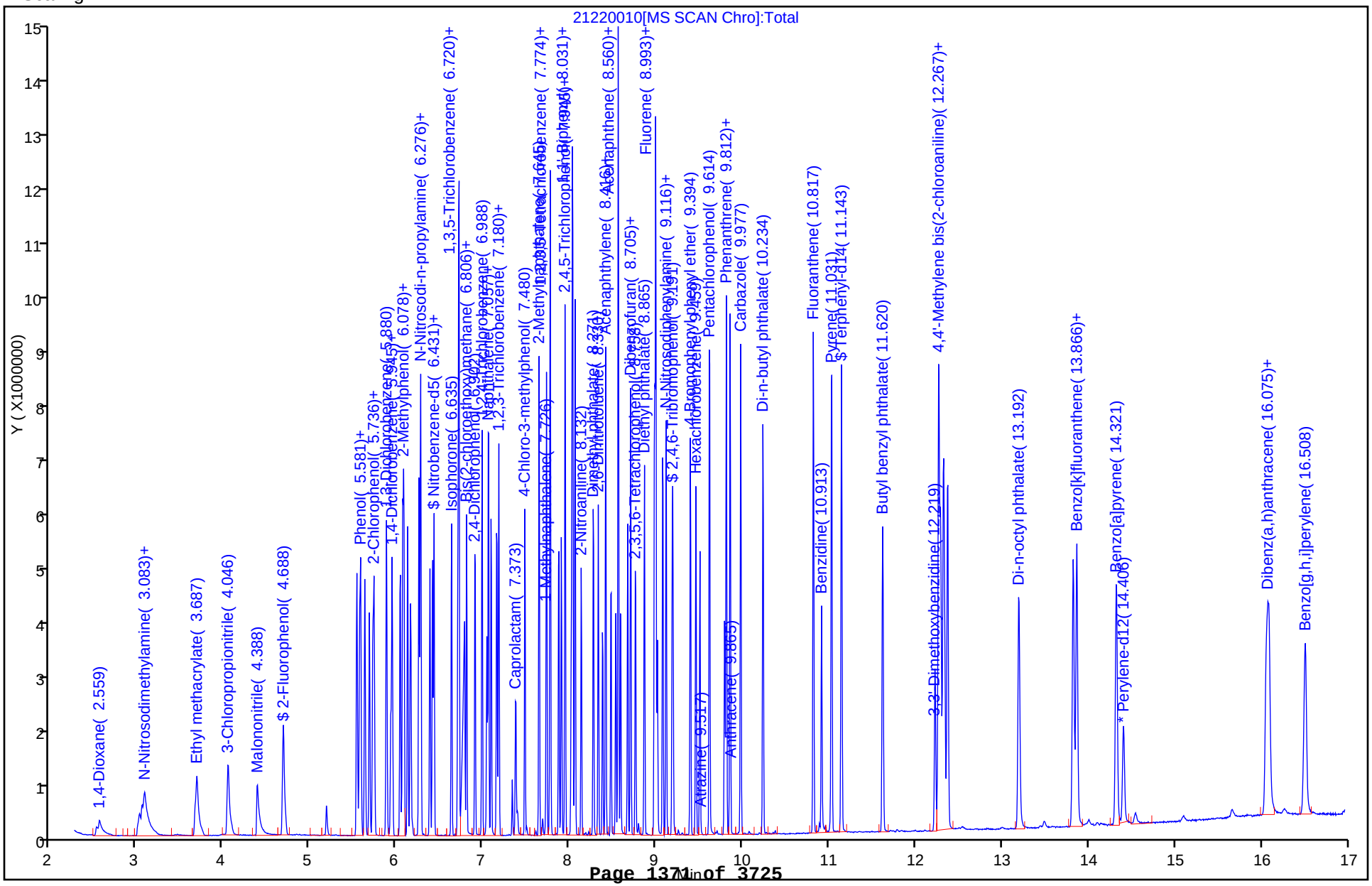
Report Date: 21-Dec-2012 09:01:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D

Injection Date:	20-Dec-2012 16:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

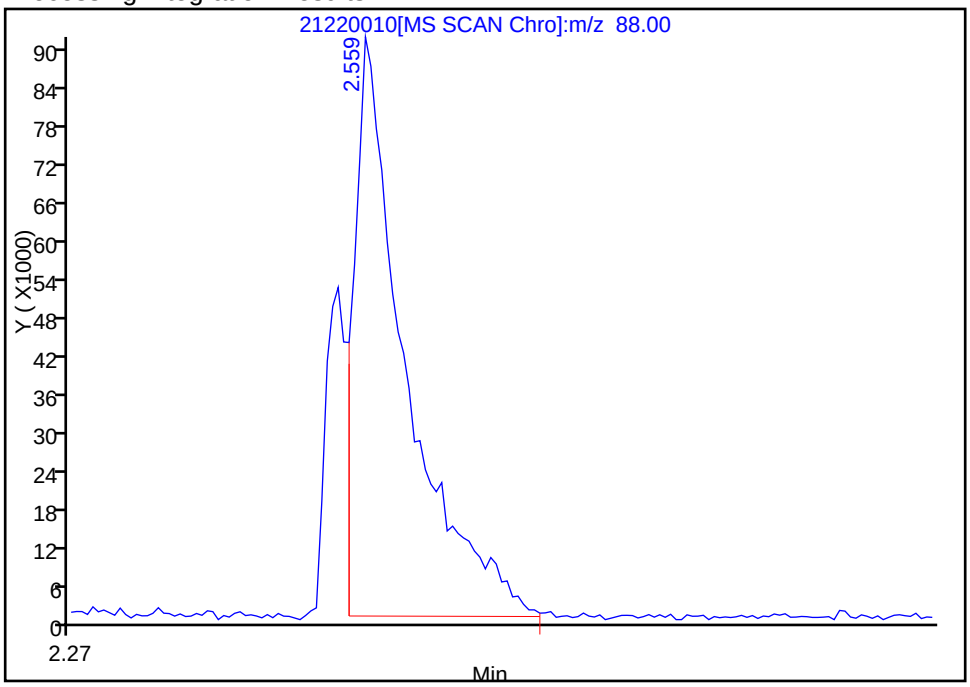
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Injection Date:	20-Dec-2012 16:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.56

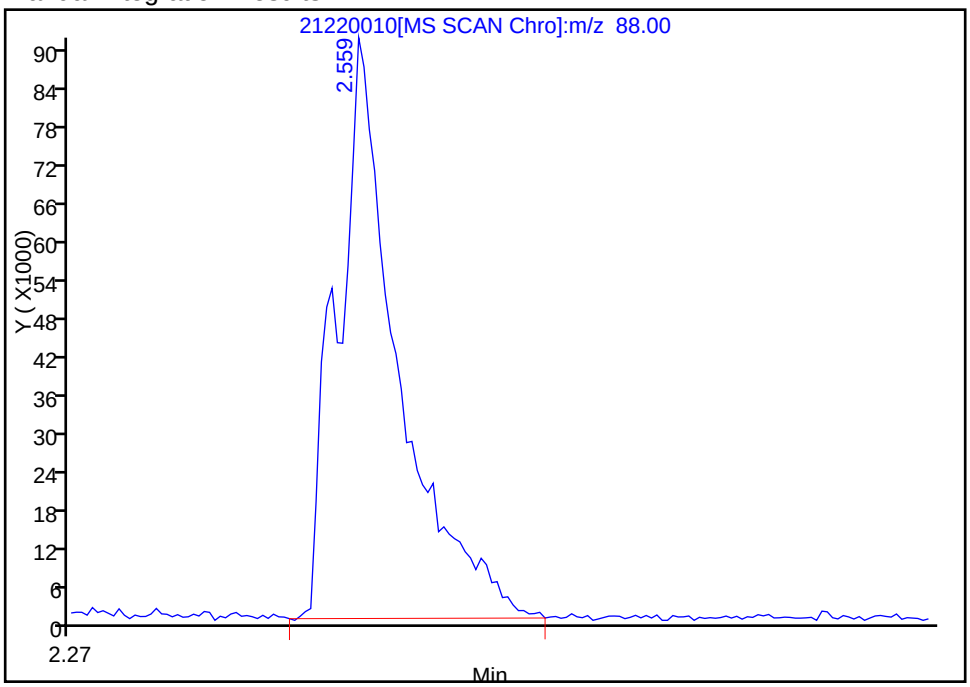
Processing Integration Results

RT: 2.56
Response: 320482
Amount: 7.963840



Manual Integration Results

RT: 2.56
Response: 389606
Amount: 9.478036



Reviewer: ulmanm, 21-Dec-2012 08:54:43
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

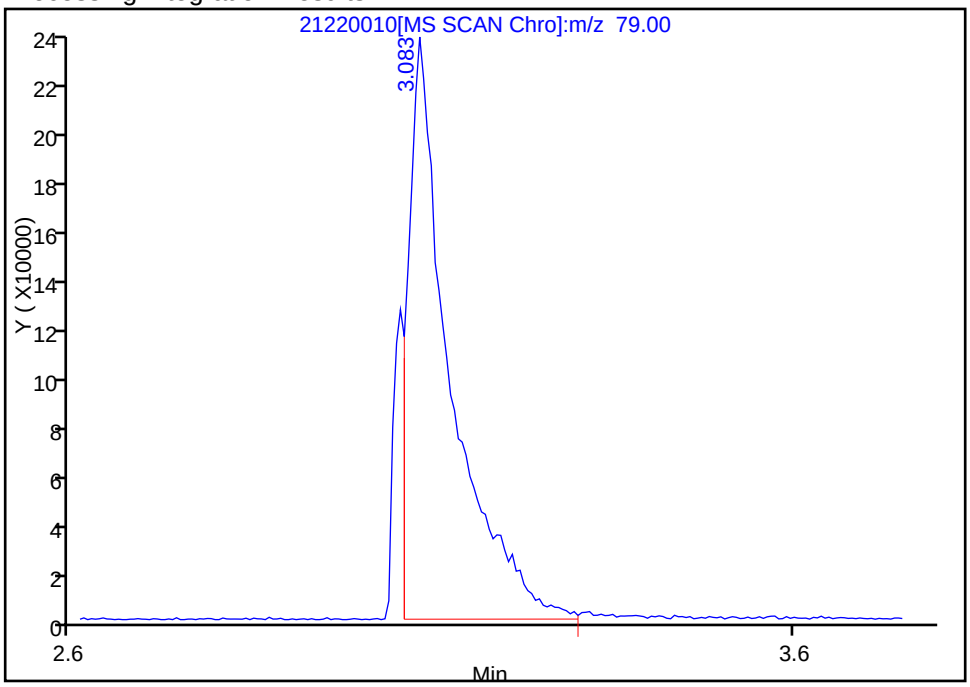
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Injection Date:	20-Dec-2012 16:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.08

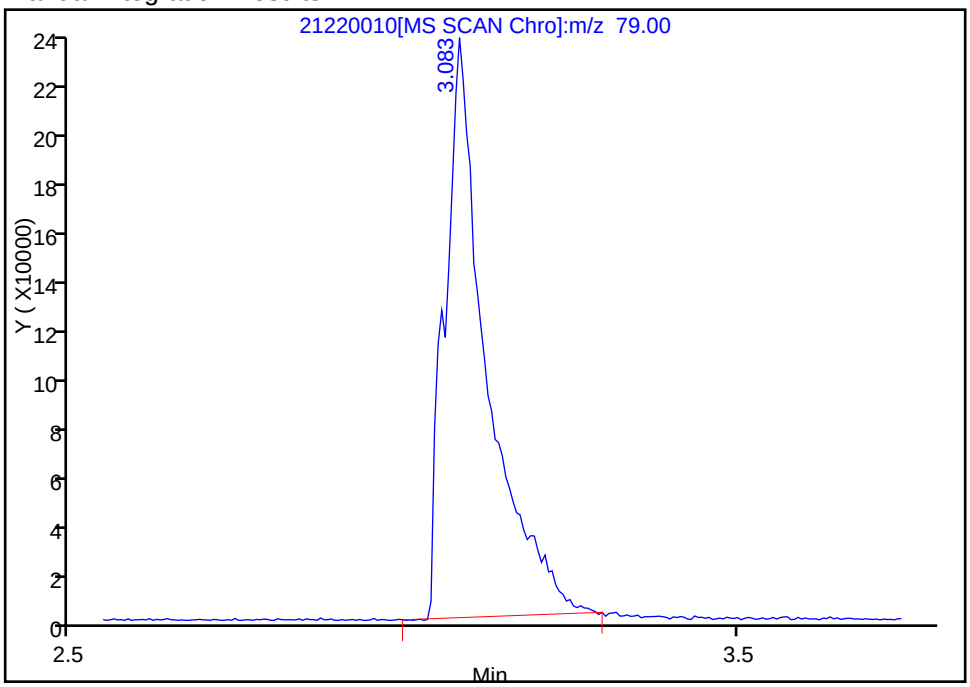
Processing Integration Results

RT: 3.08
Response: 937443
Amount: 9.382374



Manual Integration Results

RT: 3.08
Response: 1011026
Amount: 10.026527



Reviewer: ulmanm, 21-Dec-2012 08:54:43
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-69733/12 Calibration Date: 12/21/2012 11:34

Instrument ID: A4HP7 Calib Start Date: 12/19/2012 18:38

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/19/2012 21:22

Lab File ID: 21221012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosopyrrolidine	Ave	0.5524	0.7131		12.9	10.0	29.1	
2,6-Dichlorophenol	Ave	0.2522	0.3122		12.4	10.0	23.8	
1,2,4,5-Tetrachlorobenzene	Ave	0.5166	0.5363		10.4	10.0	3.8	

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221012.D
Lims ID: icv tcli
Client ID:
Inject. Date: 21-Dec-2012 11:34:30
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0016088-012
Misc. Info.: ICV TCLI
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 100
Lims Batch ID: 69733
Lims Sample ID: 12
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121221-16088.b\8270_hp7.m
Last Update: 21-Dec-2012 14:27:28
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm
Date: 21-Dec-2012 11:55:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.904	5.904	0.0	96	212483	4.00	
* 2 Naphthalene-d8	136	7.017	7.017	0.0	100	824008	4.00	
* 3 Acenaphthene-d10	164	8.504	8.509	-0.005	92	503401	4.00	
* 4 Phenanthrene-d10	188	9.761	9.766	-0.005	98	800103	4.00	
* 5 Chrysene-d12	240	12.296	12.296	0.0	96	902978	4.00	
* 6 Perylene-d12	264	14.350	14.350	0.0	92	709457	4.00	
24 1,4-Dioxane	88	2.492	2.486	0.006	98	311618	10.4	M
25 N-Nitrosodimethylamine	74	2.952	2.946	0.006	89	423664	10.2	
40 Benzaldehyde	77	5.508	5.508	0.0	89	115002	1.67	
41 Phenol	94	5.557	5.557	-0.001	98	945817	10.4	
43 Aniline	93	5.599	5.599	0.0	97	1051564	8.90	
44 Bis(2-chloroethyl)ether	93	5.653	5.658	-0.005	93	799883	9.07	
46 2-Chlorophenol	128	5.712	5.712	0.0	97	748494	10.4	
47 1,3-Dichlorobenzene	146	5.851	5.851	0.0	95	848145	9.10	
48 1,4-Dichlorobenzene	146	5.920	5.920	0.0	92	849943	11.0	
49 Benzyl alcohol	108	6.011	6.011	0.0	88	491807	11.0	
50 1,2-Dichlorobenzene	146	6.054	6.054	0.0	93	806404	9.04	
51 2-Methylphenol	108	6.102	6.102	0.0	97	676499	10.4	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	91	1097210	8.72	
191 3 & 4 Methylphenol	108	6.230	6.231	-0.001	96	732070	10.4	
56 N-Nitrosodi-n-propylamine	70	6.246	6.247	-0.001	91	608357	11.6	
57 Acetophenone	105	6.252	6.252	0.0	91	1097440	10.8	
55 N-Nitrosopyrrolidine	100	6.230	6.255	-0.025	63	378823	12.9	
60 Hexachloroethane	117	6.353	6.354	-0.001	92	347670	9.49	
61 Nitrobenzene	77	6.402	6.402	0.0	93	866869	9.23	
63 Isophorone	82	6.605	6.610	-0.005	97	1540199	11.3	
65 2-Nitrophenol	139	6.680	6.680	0.0	96	390299	11.6	
64 2,4-Dimethylphenol	107	6.696	6.696	0.0	76	738903	10.5	
69 Benzoic acid	122	6.755	6.755	0.0	86	872261	20.6	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	97	976614	9.52	
71 2,4-Dichlorophenol	162	6.883	6.883	0.0	96	656941	12.0	
72 1,2,4-Trichlorobenzene	180	6.958	6.963	-0.005	92	688644	9.39	
73 Naphthalene	128	7.033	7.033	0.0	97	2257415	11.2	
74 4-Chloroaniline	127	7.065	7.065	0.0	84	925991	10.9	
75 2,6-Dichlorophenol	162	7.076	7.100	-0.024	92	643176	12.4	
77 Hexachlorobutadiene	225	7.129	7.129	0.0	93	389741	9.79	
83 Caprolactam	113	7.348	7.348	0.0	74	232632	12.8	
84 4-Chloro-3-methylphenol	107	7.461	7.461	0.0	96	673795	11.5	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	88	1485222	11.2	
88 Hexachlorocyclopentadiene	237	7.749	7.750	-0.001	92	389324	9.15	
89 1,2,4,5-Tetrachlorobenzene	216	7.760	7.785	-0.025	97	674935	10.4	
90 2,4,6-Trichlorophenol	196	7.851	7.851	0.0	93	465961	11.8	
91 2,4,5-Trichlorophenol	196	7.878	7.878	0.0	93	499272	11.5	
95 1,1'-Biphenyl	154	8.012	8.012	0.0	94	1866859	11.3	
98 2-Chloronaphthalene	162	8.033	8.038	-0.005	96	1483213	9.43	
100 2-Nitroaniline	65	8.108	8.108	0.0	80	505955	11.4	
103 Dimethyl phthalate	163	8.247	8.247	0.0	98	1657508	11.5	
105 2,6-Dinitrotoluene	165	8.306	8.306	0.0	87	361499	9.56	
107 Acenaphthylene	152	8.391	8.391	0.0	91	2310806	11.2	
108 3-Nitroaniline	138	8.450	8.450	0.0	90	381094	10.7	
110 Acenaphthene	153	8.536	8.536	0.0	92	1353840	10.5	
109 2,4-Dinitrophenol	184	8.536	8.536	0.0	70	409712	21.8	
111 4-Nitrophenol	109	8.568	8.568	0.0	94	262444	11.6	
112 2,4-Dinitrotoluene	165	8.648	8.648	0.0	83	500318	9.65	
114 Dibenzofuran	168	8.680	8.680	0.0	85	2025666	10.7	
117 2,3,4,6-Tetrachlorophenol	232	8.771	8.796	-0.025	73	391840	10.7	
119 Diethyl phthalate	149	8.841	8.841	0.0	97	1693403	11.7	
121 4-Chlorophenyl phenyl ether	204	8.953	8.953	0.0	96	822809	9.75	
123 4-Nitroaniline	138	8.964	8.969	-0.005	79	346930	9.84	
124 Fluorene	166	8.969	8.969	0.0	82	1702015	11.2	
126 4,6-Dinitro-2-methylphenol	198	8.990	8.990	0.0	79	286660	11.4	
130 N-Nitrosodiphenylamine	169	9.049	9.049	0.0	0	1241481	11.5	
131 Azobenzene	77	9.087	9.087	0.0	100	1993464	11.9	
137 4-Bromophenyl phenyl ether	248	9.370	9.370	0.0	67	440392	9.49	
139 Hexachlorobenzene	284	9.434	9.434	0.0	87	441649	9.56	
140 Atrazine	200	9.482	9.483	0.0	89	223589	7.33	
141 Pentachlorophenol	266	9.589	9.589	0.0	83	613383	23.2	
146 Phenanthrene	178	9.782	9.787	-0.005	98	2427638	11.3	
147 Anthracene	178	9.825	9.830	-0.005	98	2462049	11.5	
149 Carbazole	167	9.953	9.953	0.0	82	2411308	11.7	
151 Di-n-butyl phthalate	149	10.210	10.210	0.0	100	2929476	12.6	
157 Fluoranthene	202	10.787	10.788	-0.001	97	2833261	12.0	
158 Benzidine	184	10.884	10.884	0.0	90	26235	0.7350	
160 Pyrene	202	10.996	10.996	0.0	96	2830797	10.8	
166 Butyl benzyl phthalate	149	11.584	11.585	-0.001	97	1270868	12.0	
173 3,3'-Dichlorobenzidine	252	12.226	12.226	0.0	69	716708	8.35	
171 Bis(2-ethylhexyl) phthalate	149	12.248	12.253	-0.005	97	1798452	11.2	
175 Benzo[a]anthracene	228	12.280	12.285	-0.005	94	2522233	10.8	
176 Chrysene	228	12.328	12.328	0.0	94	2468007	11.2	
178 Di-n-octyl phthalate	149	13.152	13.152	0.0	99	2845478	11.2	
180 Benzo[b]fluoranthene	252	13.772	13.772	0.0	95	2480090	11.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
181 Benzo[k]fluoranthene	252	13.815	13.815	0.0	99	2723877	12.0	
182 Benzo[a]pyrene	252	14.269	14.270	-0.001	77	2206963	11.1	
186 Indeno[1,2,3-cd]pyrene	276	15.992	15.997	-0.005	97	2462220	11.7	
187 Dibenz(a,h)anthracene	278	16.018	16.024	-0.006	81	2144923	11.9	
188 Benzo[g,h,i]perylene	276	16.430	16.436	-0.006	95	2126092	11.5	

QC Flag Legend

Review Flags
M - Manually Integrated

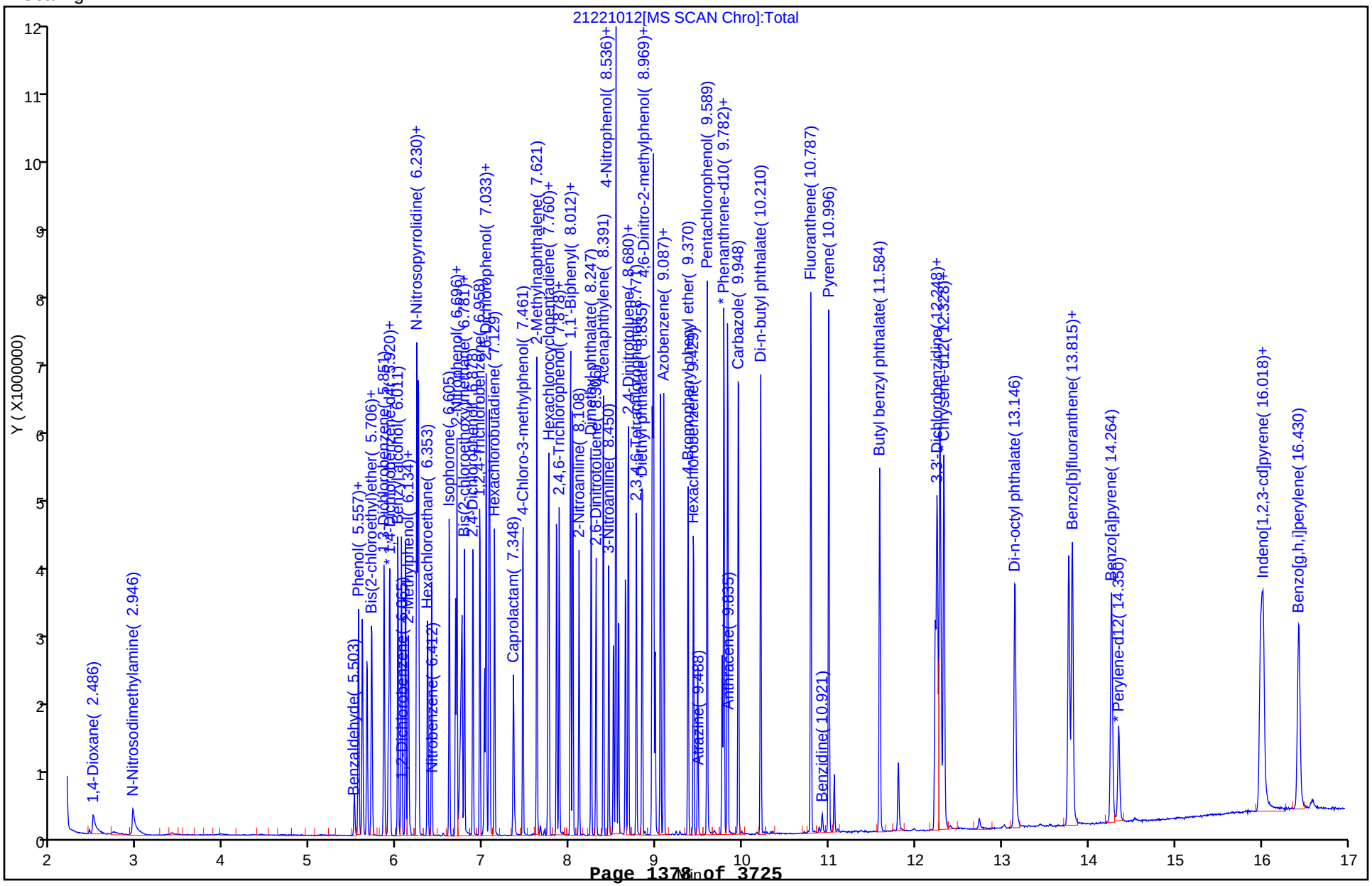
Report Date: 21-Dec-2012 14:27:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221012.D

Injection Date:	21-Dec-2012 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69733	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-69733/12 Calibration Date: 12/21/2012 11:34

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21221012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5658	0.5866		10.4	10.0	3.7	
N-Nitrosodimethylamine	Ave	0.7786	0.7976		10.2	10.0	2.4	
Benzaldehyde	Ave	1.293	0.2165		1.67	10.0	-83.3	
Phenol	Ave	1.712	1.781		10.4	10.0	4.0	
Aniline	Ave	2.224	1.980		8.90	10.0	-11.0	
Bis(2-chloroethyl)ether	Ave	1.661	1.506		9.07	10.0	-9.3	
2-Chlorophenol	Ave	1.352	1.409		10.4	10.0	4.2	
1,3-Dichlorobenzene	Ave	1.754	1.597		9.10	10.0	-9.0	
1,4-Dichlorobenzene	Ave	1.456	1.600		11.0	10.0	9.9	
Benzyl alcohol	Ave	0.8431	0.9258		11.0	10.0	9.8	
1,2-Dichlorobenzene	Ave	1.680	1.518		9.04	10.0	-9.6	
2-Methylphenol	Ave	1.229	1.274		10.4	10.0	3.6	
3 & 4 Methylphenol	Ave	1.320	1.378		10.4	10.0	4.4	
N-Nitrosodi-n-propylamine	Ave	0.9869	1.145		11.6	10.0	16.0	
Acetophenone	Ave	1.907	2.066		10.8	10.0	8.3	
Hexachloroethane	Ave	0.6897	0.6545		9.49	10.0	-5.1	
Nitrobenzene	Ave	0.4559	0.4208		9.23	10.0	-7.7	
Isophorone	Ave	0.6634	0.7477		11.3	10.0	12.7	
2-Nitrophenol	Ave	0.1637	0.1895		11.6	10.0	15.7	
2,4-Dimethylphenol	Ave	0.3402	0.3587		10.5	10.0	5.4	
Benzoic acid	Qua		0.2117		20.6	20.0	3.2	
Bis(2-chloroethoxy)methane	Ave	0.4978	0.4741		9.52	10.0	-4.8	
2,4-Dichlorophenol	Ave	0.2655	0.3189		12.0	10.0	20.1	
1,2,4-Trichlorobenzene	Ave	0.3560	0.3343		9.39	10.0	-6.1	
Naphthalene	Ave	0.9776	1.096		11.2	10.0	12.1	
Hexachlorobutadiene	Ave	0.1932	0.1892		9.79	10.0	-2.1	
Caprolactam	Ave	0.0879	0.1129		12.8	10.0	28.5	
4-Chloro-3-methylphenol	Ave	0.2840	0.3271		11.5	10.0	15.2	
2-Methylnaphthalene	Ave	0.6414	0.7210		11.2	10.0	12.4	
Hexachlorocyclopentadiene	Ave	0.3381	0.3094		9.15	10.0	-8.5	
2,4,6-Trichlorophenol	Ave	0.3147	0.3703		11.8	10.0	17.6	
2,4,5-Trichlorophenol	Ave	0.3437	0.3967		11.5	10.0	15.4	
1,1'-Biphenyl	Ave	1.316	1.483		11.3	10.0	12.8	
2-Chloronaphthalene	Ave	1.250	1.179		9.43	10.0	-5.7	
2-Nitroaniline	Ave	0.3538	0.4020		11.4	10.0	13.6	
Dimethyl phthalate	Ave	1.149	1.317		11.5	10.0	14.6	
2,6-Dinitrotoluene	Qua		0.2873		9.56	10.0	-4.4	
Acenaphthylene	Ave	1.643	1.836		11.2	10.0	11.7	
3-Nitroaniline	Ave	0.2829	0.3028		10.7	10.0	7.0	
2,4-Dinitrophenol	Qua		0.1628		21.8	20.0	9.1	
Acenaphthene	Ave	1.024	1.076		10.5	10.0	5.1	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-69733/12 Calibration Date: 12/21/2012 11:34

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21221012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Qua		0.2085		11.6	10.0	16.1	
2,4-Dinitrotoluene	Qua		0.3976		9.65	10.0	-3.5	
Dibenzofuran	Ave	1.510	1.610		10.7	10.0	6.6	
Diethyl phthalate	Ave	1.147	1.346		11.7	10.0	17.3	
4-Chlorophenyl phenyl ether	Ave	0.6708	0.6538		9.75	10.0	-2.5	
4-Nitroaniline	Ave	0.2803	0.2757		9.84	10.0	-1.6	
Fluorene	Ave	1.204	1.352		11.2	10.0	12.3	
4,6-Dinitro-2-methylphenol	Qua		0.1433		11.4	10.0	14.3	
N-Nitrosodiphenylamine	Ave	0.5419	0.6207		11.5	10.0	14.5	
4-Bromophenyl phenyl ether	Ave	0.2319	0.2202		9.49	10.0	-5.1	
Hexachlorobenzene	Ave	0.2309	0.2208		9.56	10.0	-4.4	
Atrazine	Ave	0.1525	0.1118		7.33	10.0	-26.7	
Pentachlorophenol	Ave	0.1321	0.1533		23.2	20.0	16.0	
Phenanthrene	Ave	1.074	1.214		11.3	10.0	13.0	
Anthracene	Ave	1.072	1.231		11.5	10.0	14.8	
Carbazole	Ave	1.027	1.206		11.7	10.0	17.4	
Di-n-butyl phthalate	Ave	1.161	1.465		12.6	10.0	26.2	
Fluoranthene	Ave	1.179	1.416		12.0	10.0	20.2	
Benzidine	Qua		0.0116		0.735	10.0	-92.7	
Pyrene	Ave	1.157	1.254		10.8	10.0	8.3	
Butyl benzyl phthalate	Ave	0.4697	0.5630		12.0	10.0	19.9	
3,3'-Dichlorobenzidine	Ave	0.3801	0.3175		8.35	10.0	-16.5	
Bis(2-ethylhexyl) phthalate	Qua		0.7967		11.2	10.0	11.6	
Benzo[a]anthracene	Ave	1.034	1.117		10.8	10.0	8.0	
Chrysene	Ave	0.9796	1.093		11.2	10.0	11.6	
Di-n-octyl phthalate	Qua		1.604		11.2	10.0	11.9	
Benzo[b]fluoranthene	Ave	1.194	1.398		11.7	10.0	17.1	
Benzo[k]fluoranthene	Ave	1.281	1.536		12.0	10.0	19.9	
Benzo[a]pyrene	Ave	1.123	1.244		11.1	10.0	10.8	
Indeno[1,2,3-cd]pyrene	Ave	1.191	1.388		11.7	10.0	16.5	
Dibenz(a,h)anthracene	Ave	1.014	1.209		11.9	10.0	19.2	
Benzo[g,h,i]perylene	Ave	1.044	1.199		11.5	10.0	14.9	

Report Date: 21-Dec-2012 14:27:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221012.D
Lims ID: icv tcli Client ID:
Inject. Date: 21-Dec-2012 11:34:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0016088-012
Misc. Info.: ICV TCLI
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 100
Lims Batch ID: 69733 Lims Sample ID: 12
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121221-16088.b\8270_hp7.m
Last Update: 21-Dec-2012 14:27:28 Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 21-Dec-2012 11:55:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.904	5.904	0.0	96	212483	4.00	
* 2 Naphthalene-d8	136	7.017	7.017	0.0	100	824008	4.00	
* 3 Acenaphthene-d10	164	8.504	8.509	-0.005	92	503401	4.00	
* 4 Phenanthrene-d10	188	9.761	9.766	-0.005	98	800103	4.00	
* 5 Chrysene-d12	240	12.296	12.296	0.0	96	902978	4.00	
* 6 Perylene-d12	264	14.350	14.350	0.0	92	709457	4.00	
24 1,4-Dioxane	88	2.492	2.486	0.006	98	311618	10.4	M
25 N-Nitrosodimethylamine	74	2.952	2.946	0.006	89	423664	10.2	
40 Benzaldehyde	77	5.508	5.508	0.0	89	115002	1.67	
41 Phenol	94	5.557	5.557	-0.001	98	945817	10.4	
43 Aniline	93	5.599	5.599	0.0	97	1051564	8.90	
44 Bis(2-chloroethyl)ether	93	5.653	5.658	-0.005	93	799883	9.07	
46 2-Chlorophenol	128	5.712	5.712	0.0	97	748494	10.4	
47 1,3-Dichlorobenzene	146	5.851	5.851	0.0	95	848145	9.10	
48 1,4-Dichlorobenzene	146	5.920	5.920	0.0	92	849943	11.0	
49 Benzyl alcohol	108	6.011	6.011	0.0	88	491807	11.0	
50 1,2-Dichlorobenzene	146	6.054	6.054	0.0	93	806404	9.04	
51 2-Methylphenol	108	6.102	6.102	0.0	97	676499	10.4	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	91	1097210	8.72	
191 3 & 4 Methylphenol	108	6.230	6.231	-0.001	96	732070	10.4	
56 N-Nitrosodi-n-propylamine	70	6.246	6.247	-0.001	91	608357	11.6	
57 Acetophenone	105	6.252	6.252	0.0	91	1097440	10.8	
55 N-Nitrosopyrrolidine	100	6.230	6.255	-0.025	63	378823	12.9	
60 Hexachloroethane	117	6.353	6.354	-0.001	92	347670	9.49	
61 Nitrobenzene	77	6.402	6.402	0.0	93	866869	9.23	
63 Isophorone	82	6.605	6.610	-0.005	97	1540199	11.3	
65 2-Nitrophenol	139	6.680	6.680	0.0	96	390299	11.6	
64 2,4-Dimethylphenol	107	6.696	6.696	0.0	76	738903	10.5	
69 Benzoic acid	122	6.755	6.755	0.0	86	872261	20.6	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	97	976614	9.52	
71 2,4-Dichlorophenol	162	6.883	6.883	0.0	96	656941	12.0	
72 1,2,4-Trichlorobenzene	180	6.958	6.963	-0.005	92	688644	9.39	
73 Naphthalene	128	7.033	7.033	0.0	97	2257415	11.2	
74 4-Chloroaniline	127	7.065	7.065	0.0	84	925991	10.9	
75 2,6-Dichlorophenol	162	7.076	7.100	-0.024	92	643176	12.4	
77 Hexachlorobutadiene	225	7.129	7.129	0.0	93	389741	9.79	
83 Caprolactam	113	7.348	7.348	0.0	74	232632	12.8	
84 4-Chloro-3-methylphenol	107	7.461	7.461	0.0	96	673795	11.5	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	88	1485222	11.2	
88 Hexachlorocyclopentadiene	237	7.749	7.750	-0.001	92	389324	9.15	
89 1,2,4,5-Tetrachlorobenzene	216	7.760	7.785	-0.025	97	674935	10.4	
90 2,4,6-Trichlorophenol	196	7.851	7.851	0.0	93	465961	11.8	
91 2,4,5-Trichlorophenol	196	7.878	7.878	0.0	93	499272	11.5	
95 1,1'-Biphenyl	154	8.012	8.012	0.0	94	1866859	11.3	
98 2-Chloronaphthalene	162	8.033	8.038	-0.005	96	1483213	9.43	
100 2-Nitroaniline	65	8.108	8.108	0.0	80	505955	11.4	
103 Dimethyl phthalate	163	8.247	8.247	0.0	98	1657508	11.5	
105 2,6-Dinitrotoluene	165	8.306	8.306	0.0	87	361499	9.56	
107 Acenaphthylene	152	8.391	8.391	0.0	91	2310806	11.2	
108 3-Nitroaniline	138	8.450	8.450	0.0	90	381094	10.7	
110 Acenaphthene	153	8.536	8.536	0.0	92	1353840	10.5	
109 2,4-Dinitrophenol	184	8.536	8.536	0.0	70	409712	21.8	
111 4-Nitrophenol	109	8.568	8.568	0.0	94	262444	11.6	
112 2,4-Dinitrotoluene	165	8.648	8.648	0.0	83	500318	9.65	
114 Dibenzofuran	168	8.680	8.680	0.0	85	2025666	10.7	
117 2,3,4,6-Tetrachlorophenol	232	8.771	8.796	-0.025	73	391840	10.7	
119 Diethyl phthalate	149	8.841	8.841	0.0	97	1693403	11.7	
121 4-Chlorophenyl phenyl ether	204	8.953	8.953	0.0	96	822809	9.75	
123 4-Nitroaniline	138	8.964	8.969	-0.005	79	346930	9.84	
124 Fluorene	166	8.969	8.969	0.0	82	1702015	11.2	
126 4,6-Dinitro-2-methylphenol	198	8.990	8.990	0.0	79	286660	11.4	
130 N-Nitrosodiphenylamine	169	9.049	9.049	0.0	0	1241481	11.5	
131 Azobenzene	77	9.087	9.087	0.0	100	1993464	11.9	
137 4-Bromophenyl phenyl ether	248	9.370	9.370	0.0	67	440392	9.49	
139 Hexachlorobenzene	284	9.434	9.434	0.0	87	441649	9.56	
140 Atrazine	200	9.482	9.483	0.0	89	223589	7.33	
141 Pentachlorophenol	266	9.589	9.589	0.0	83	613383	23.2	
146 Phenanthrene	178	9.782	9.787	-0.005	98	2427638	11.3	
147 Anthracene	178	9.825	9.830	-0.005	98	2462049	11.5	
149 Carbazole	167	9.953	9.953	0.0	82	2411308	11.7	
151 Di-n-butyl phthalate	149	10.210	10.210	0.0	100	2929476	12.6	
157 Fluoranthene	202	10.787	10.788	-0.001	97	2833261	12.0	
158 Benzidine	184	10.884	10.884	0.0	90	26235	0.7350	
160 Pyrene	202	10.996	10.996	0.0	96	2830797	10.8	
166 Butyl benzyl phthalate	149	11.584	11.585	-0.001	97	1270868	12.0	
173 3,3'-Dichlorobenzidine	252	12.226	12.226	0.0	69	716708	8.35	
171 Bis(2-ethylhexyl) phthalate	149	12.248	12.253	-0.005	97	1798452	11.2	
175 Benzo[a]anthracene	228	12.280	12.285	-0.005	94	2522233	10.8	
176 Chrysene	228	12.328	12.328	0.0	94	2468007	11.2	
178 Di-n-octyl phthalate	149	13.152	13.152	0.0	99	2845478	11.2	
180 Benzo[b]fluoranthene	252	13.772	13.772	0.0	95	2480090	11.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
181 Benzo[k]fluoranthene	252	13.815	13.815	0.0	99	2723877	12.0	
182 Benzo[a]pyrene	252	14.269	14.270	-0.001	77	2206963	11.1	
186 Indeno[1,2,3-cd]pyrene	276	15.992	15.997	-0.005	97	2462220	11.7	
187 Dibenz(a,h)anthracene	278	16.018	16.024	-0.006	81	2144923	11.9	
188 Benzo[g,h,i]perylene	276	16.430	16.436	-0.006	95	2126092	11.5	

QC Flag Legend

Review Flags
M - Manually Integrated

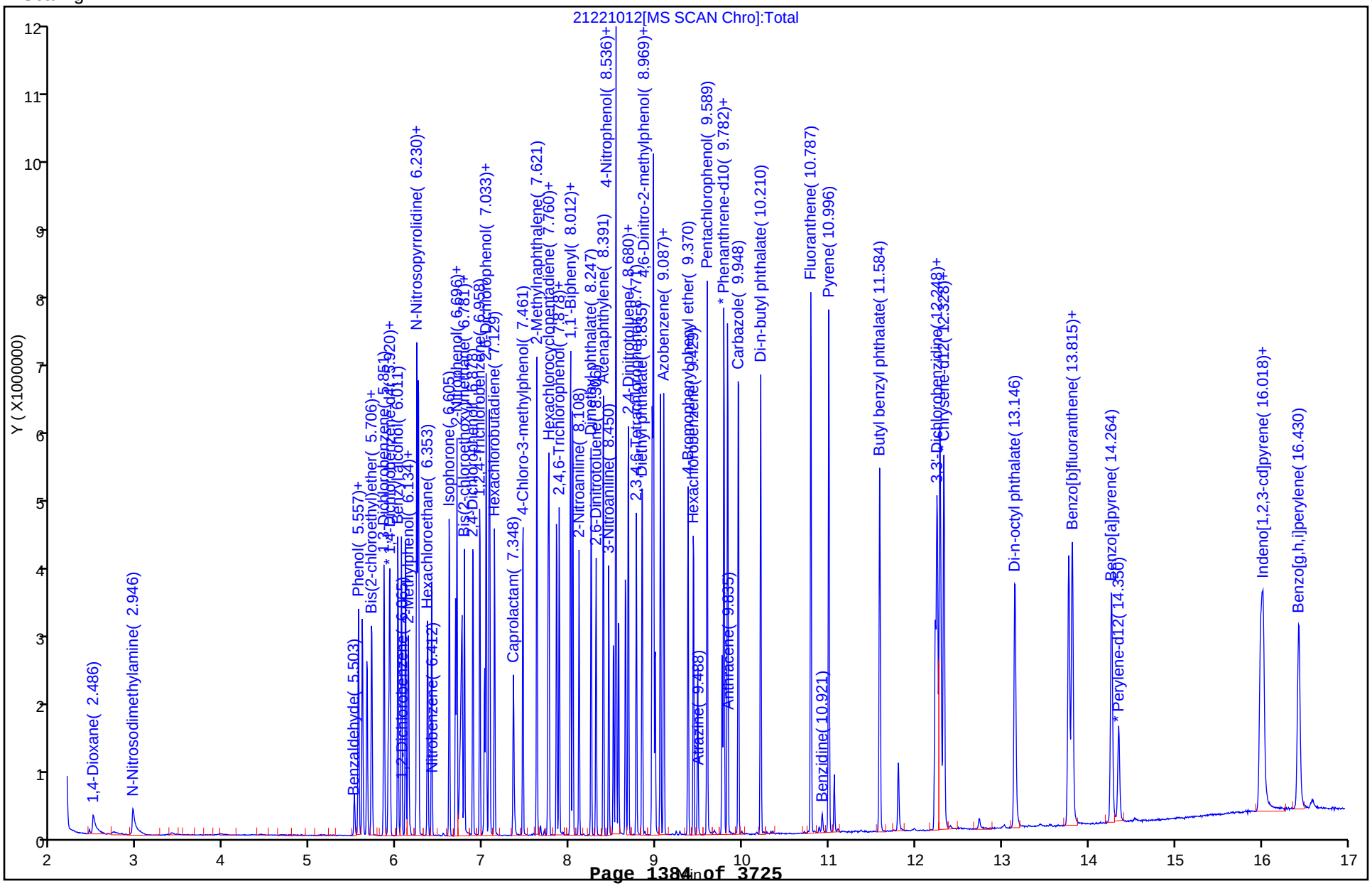
Report Date: 21-Dec-2012 14:27:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221012.D

Injection Date:	21-Dec-2012 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69733	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

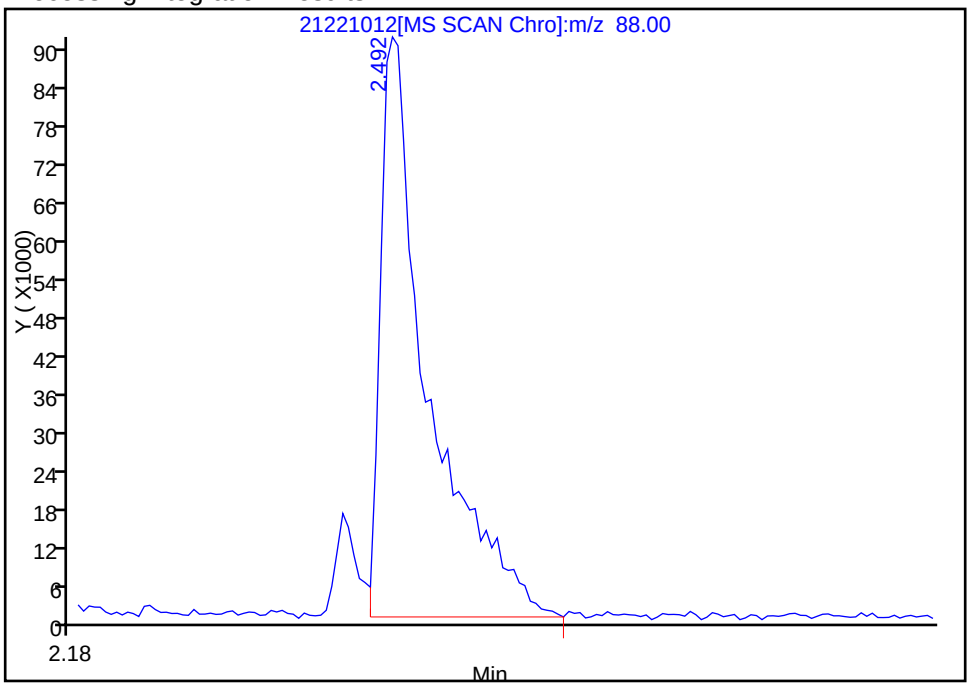
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221012.D		
Injection Date:	21-Dec-2012 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69733	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.49

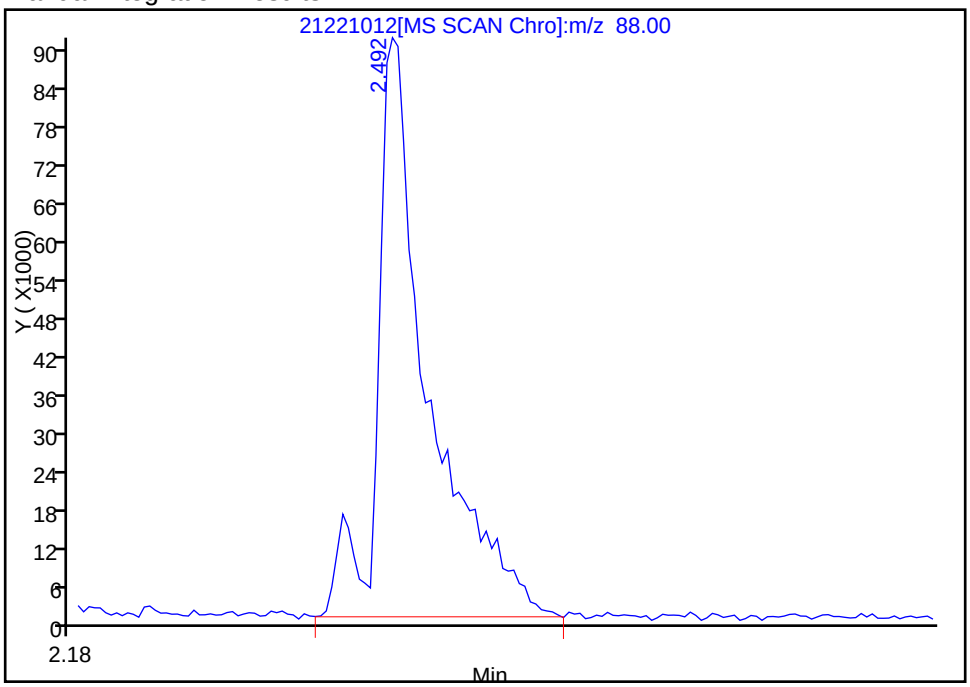
Processing Integration Results

RT: 2.49
Response: 291558
Amount: 9.700555



Manual Integration Results

RT: 2.49
Response: 311618
Amount: 10.367980



Reviewer: ulmanm, 21-Dec-2012 11:55:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

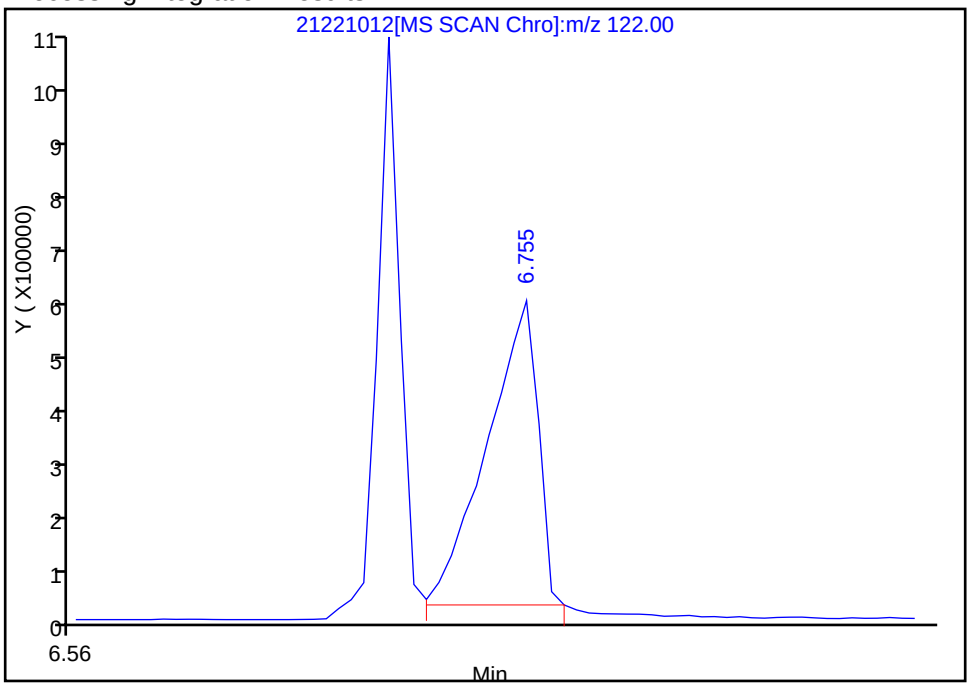
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221012.D		
Injection Date:	21-Dec-2012 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69733	Lims Sample ID:	12
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

69 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.75

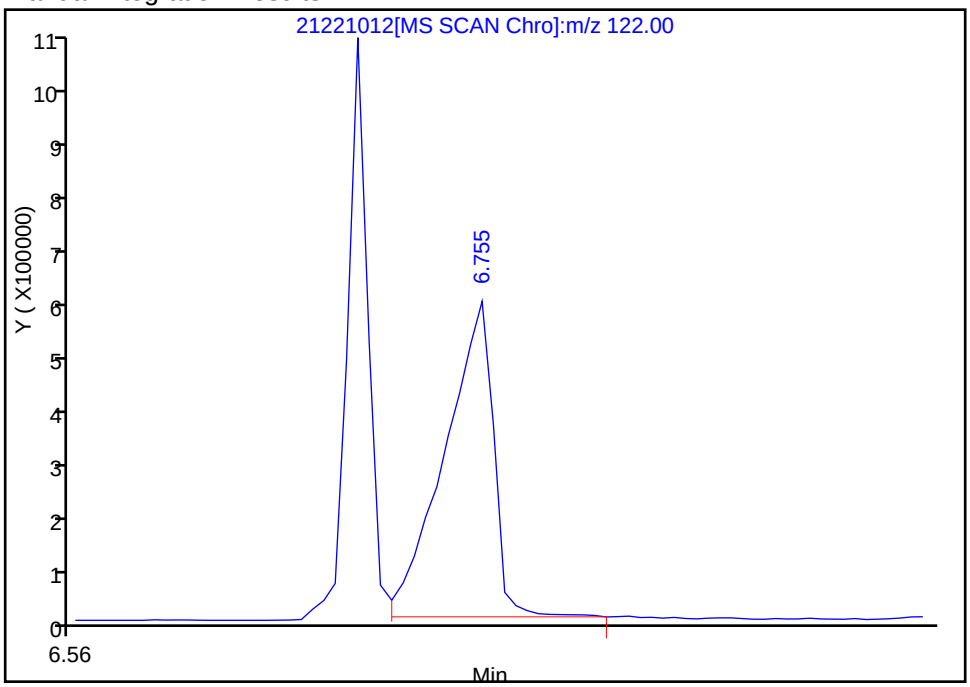
Processing Integration Results

RT: 6.75
Response: 787621
Amount: 18.825597



Manual Integration Results

RT: 6.75
Response: 872261
Amount: 20.643771



Reviewer: ulmanm, 21-Dec-2012 11:55:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70078/2 Calibration Date: 12/26/2012 09:15

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21226002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5658	0.5368		9.49	10.0	-5.1	
N-Nitrosodimethylamine	Ave	0.7786	0.8018		10.3	10.0	3.0	
Pyridine	Ave	1.388	1.446		10.4	10.0	4.2	
Benzaldehyde	Ave	1.293	1.332		10.3	10.0	3.0	
Phenol	Ave	1.712	1.761		10.3	10.0	2.9	
Aniline	Ave	2.224	2.271		10.2	10.0	2.1	
Bis(2-chloroethyl)ether	Ave	1.661	1.650		9.94	10.0	-0.6	
2-Chlorophenol	Ave	1.352	1.387		10.3	10.0	2.6	
1,3-Dichlorobenzene	Ave	1.754	1.775		10.1	10.0	1.2	
1,4-Dichlorobenzene	Ave	1.456	1.478		10.1	10.0	1.5	
Benzyl alcohol	Ave	0.8431	0.8149		9.67	10.0	-3.3	
1,2-Dichlorobenzene	Ave	1.680	1.707		10.2	10.0	1.6	
2-Methylphenol	Ave	1.229	1.263		10.3	10.0	2.8	
3 & 4 Methylphenol	Ave	1.320	1.315		9.97	10.0	-0.3	
N-Nitrosodi-n-propylamine	Ave	0.9869	1.002		10.1	10.0	1.5	
Acetophenone	Ave	1.907	1.914		10.0	10.0	0.4	
Hexachloroethane	Ave	0.6897	0.7054		10.2	10.0	2.3	
Nitrobenzene	Ave	0.4559	0.4663		10.2	10.0	2.3	
Isophorone	Ave	0.6634	0.6488		9.78	10.0	-2.2	
2-Nitrophenol	Ave	0.1637	0.1695		10.3	10.0	3.5	
2,4-Dimethylphenol	Ave	0.3402	0.3388		9.96	10.0	-0.4	
Benzoic acid	Qua		0.1812		17.9	20.0	-10.3	
Bis(2-chloroethoxy)methane	Ave	0.4978	0.4870		9.78	10.0	-2.2	
2,4-Dichlorophenol	Ave	0.2655	0.2737		10.3	10.0	3.1	
1,2,4-Trichlorobenzene	Ave	0.3560	0.3580		10.1	10.0	0.6	
Naphthalene	Ave	0.9776	0.9593		9.81	10.0	-1.9	
Hexachlorobutadiene	Ave	0.1932	0.1920		9.94	10.0	-0.6	
Caprolactam	Ave	0.0879	0.1004		11.4	10.0	14.3	
4-Chloro-3-methylphenol	Ave	0.2840	0.2863		10.1	10.0	0.8	
2-Methylnaphthalene	Ave	0.6414	0.6273		9.78	10.0	-2.2	
Hexachlorocyclopentadiene	Ave	0.3381	0.2728		8.07	10.0	-19.3	
2,4,6-Trichlorophenol	Ave	0.3147	0.3279		10.4	10.0	4.2	
2,4,5-Trichlorophenol	Ave	0.3437	0.3467		10.1	10.0	0.9	
1,1'-Biphenyl	Ave	1.316	1.277		9.70	10.0	-3.0	
2-Chloronaphthalene	Ave	1.250	1.240		9.92	10.0	-0.8	
2-Nitroaniline	Ave	0.3538	0.3669		10.4	10.0	3.7	
Dimethyl phthalate	Ave	1.149	1.132		9.85	10.0	-1.5	
2,6-Dinitrotoluene	Qua		0.2862		9.52	10.0	-4.8	
Acenaphthylene	Ave	1.643	1.652		10.1	10.0	0.6	
3-Nitroaniline	Ave	0.2829	0.2989		10.6	10.0	5.7	
Acenaphthene	Ave	1.024	0.9878		9.65	10.0	-3.5	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70078/2 Calibration Date: 12/26/2012 09:15

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21226002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua		0.1456		19.7	20.0	-1.4	
4-Nitrophenol	Qua		0.1611		9.19	10.0	-8.1	
2,4-Dinitrotoluene	Qua		0.4092		9.91	10.0	-0.9	
Dibenzofuran	Ave	1.510	1.457		9.65	10.0	-3.5	
Diethyl phthalate	Ave	1.147	1.119		9.75	10.0	-2.5	
4-Chlorophenyl phenyl ether	Ave	0.6708	0.6648		9.91	10.0	-0.9	
4-Nitroaniline	Ave	0.2803	0.3057		10.9	10.0	9.1	
Fluorene	Ave	1.204	1.197		9.94	10.0	-0.6	
4,6-Dinitro-2-methylphenol	Qua		0.1215		9.82	10.0	-1.8	
N-Nitrosodiphenylamine	Ave	0.5419	0.5520		10.2	10.0	1.9	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.8354	0.8545		10.2	10.0	2.3	
4-Bromophenyl phenyl ether	Ave	0.2319	0.2368		10.2	10.0	2.1	
Hexachlorobenzene	Ave	0.2309	0.2306		9.99	10.0	-0.1	
Atrazine	Ave	0.1525	0.1576		10.3	10.0	3.3	
Pentachlorophenol	Ave	0.1321	0.1387		21.0	20.0	5.0	
Phenanthrene	Ave	1.074	1.077		10.0	10.0	0.3	
Anthracene	Ave	1.072	1.106		10.3	10.0	3.2	
Carbazole	Ave	1.027	1.060		10.3	10.0	3.2	
Di-n-butyl phthalate	Ave	1.161	1.196		10.3	10.0	3.1	
Fluoranthene	Ave	1.179	1.177		9.99	10.0	-0.1	
Benzidine	Qua		0.4592		9.78	10.0	-2.2	
Pyrene	Ave	1.157	1.210		10.5	10.0	4.5	
Butyl benzyl phthalate	Ave	0.4697	0.4962		10.6	10.0	5.6	
3,3'-Dichlorobenzidine	Ave	0.3801	0.4037		10.6	10.0	6.2	
Bis(2-ethylhexyl) phthalate	Qua		0.6891		9.75	10.0	-2.5	
Benzo[a]anthracene	Ave	1.034	1.063		10.3	10.0	2.8	
Chrysene	Ave	0.9796	1.013		10.3	10.0	3.4	
Di-n-octyl phthalate	Qua		1.312		9.32	10.0	-6.8	
Benzo[b]fluoranthene	Ave	1.194	1.257		10.5	10.0	5.2	
Benzo[k]fluoranthene	Ave	1.281	1.305		10.2	10.0	1.8	
Benzo[a]pyrene	Ave	1.123	1.209		10.8	10.0	7.7	
Indeno[1,2,3-cd]pyrene	Ave	1.191	1.271		10.7	10.0	6.7	
Dibenz(a,h)anthracene	Ave	1.014	1.052		10.4	10.0	3.7	
Benzo[g,h,i]perylene	Ave	1.044	1.116		10.7	10.0	6.9	
2-Fluorophenol (Surr)	Ave	1.227	1.256		10.2	10.0	2.3	
Phenol-d5 (Surr)	Ave	1.634	1.708		10.5	10.0	4.5	
Nitrobenzene-d5 (Surr)	Ave	0.4406	0.4382		9.95	10.0	-0.5	
2-Fluorobiphenyl (Surr)	Ave	1.433	1.394		9.73	10.0	-2.7	
2,4,6-Tribromophenol (Surr)	Ave	0.1345	0.1463		10.9	10.0	8.8	
Terphenyl-d14 (Surr)	Ave	0.8184	0.8396		10.3	10.0	2.6	

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226002.D
Lims ID: ccv tcl
Client ID:
Inject. Date: 26-Dec-2012 09:15:30
Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0016171-002
Misc. Info.: CCV TCL
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 2
Lims Batch ID: 70078
Lims Sample ID: 2
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\8270_hp7.m
Last Update: 27-Dec-2012 09:55:09
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: gruberj
Date: 26-Dec-2012 09:44:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.861	5.861	0.0	97	214593	4.00	
* 2 Naphthalene-d8	136	6.979	6.979	0.0	100	865513	4.00	
* 3 Acenaphthene-d10	164	8.471	8.471	0.0	92	511616	4.00	
* 4 Phenanthrene-d10	188	9.722	9.722	0.0	98	805358	4.00	
* 5 Chrysene-d12	240	12.236	12.236	0.0	93	830096	4.00	
* 6 Perylene-d12	264	14.274	14.274	0.0	92	685405	4.00	
$ 7 2-Fluorophenol	112	4.598	4.598	0.0	94	673809	10.2	
$ 8 Phenol-d5	99	5.502	5.502	0.0	90	916291	10.5	
$ 9 Nitrobenzene-d5	82	6.347	6.347	0.0	92	948210	9.95	
$ 10 2-Fluorobiphenyl (Surr)	172	7.882	7.882	0.0	100	1783018	9.73	
$ 11 2,4,6-Tribromophenol	330	9.129	9.129	0.0	84	187115	10.9	
$ 12 Terphenyl-d14	244	11.070	11.070	0.0	98	1742433	10.3	
24 1,4-Dioxane	88	2.373	2.373	0.0	97	287960	9.49	M
25 N-Nitrosodimethylamine	74	2.817	2.817	0.0	85	430131	10.3	
26 Pyridine	79	2.881	2.881	0.0	88	775621	10.4	
27 Ethyl methacrylate	69	3.545	3.545	0.0	90	608562	10.0	
28 3-Chloropropionitrile	54	3.930	3.930	0.0	85	606726	10.5	
32 Malononitrile	66	4.294	4.294	0.0	97	851247	9.86	
40 Benzaldehyde	77	5.465	5.465	0.0	89	714550	10.3	
41 Phenol	94	5.513	5.513	0.0	97	944525	10.3	
43 Aniline	93	5.556	5.556	0.0	97	1218268	10.2	
44 Bis(2-chloroethyl)ether	93	5.615	5.615	0.0	92	885264	9.94	
46 2-Chlorophenol	128	5.668	5.668	0.0	96	744345	10.3	
47 1,3-Dichlorobenzene	146	5.813	5.813	0.0	95	952049	10.1	
48 1,4-Dichlorobenzene	146	5.877	5.877	0.0	92	792878	10.1	
49 Benzyl alcohol	108	5.973	5.973	0.0	89	437197	9.67	
50 1,2-Dichlorobenzene	146	6.010	6.010	0.0	92	915981	10.2	
51 2-Methylphenol	108	6.064	6.064	0.0	97	677822	10.3	
52 2,2'-oxybis[1-chloropropane]	45	6.096	6.096	0.0	91	1253152	9.87	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.192	6.192	0.0	97	705710	9.97	
56 N-Nitrosodi-n-propylamine	70	6.208	6.208	0.0	88	537401	10.1	
57 Acetophenone	105	6.214	6.214	0.0	94	1026761	10.0	
60 Hexachloroethane	117	6.315	6.315	0.0	92	378436	10.2	
61 Nitrobenzene	77	6.363	6.363	0.0	87	1008885	10.2	
63 Isophorone	82	6.567	6.567	0.0	96	1403797	9.78	
65 2-Nitrophenol	139	6.642	6.642	0.0	95	366651	10.3	
66 1,3,5-Trichlorobenzene	180	6.652	6.652	0.0	94	786629	10.2	
64 2,4-Dimethylphenol	107	6.658	6.658	0.0	90	733111	9.96	
69 Benzoic acid	122	6.722	6.722	0.0	82	783958	17.9	
68 Bis(2-chloroethoxy)methane	93	6.749	6.749	0.0	96	1053779	9.78	
71 2,4-Dichlorophenol	162	6.845	6.845	0.0	96	592277	10.3	
72 1,2,4-Trichlorobenzene	180	6.925	6.925	0.0	93	774553	10.1	
73 Naphthalene	128	6.995	6.995	0.0	97	2075729	9.81	
74 4-Chloroaniline	127	7.032	7.032	0.0	84	883588	9.90	
77 Hexachlorobutadiene	225	7.091	7.091	0.0	91	415524	9.94	
78 1,2,3-Trichlorobenzene	180	7.118	7.118	0.0	90	733660	0	
83 Caprolactam	113	7.315	7.315	0.0	72	217276	11.4	
84 4-Chloro-3-methylphenol	107	7.422	7.422	0.0	97	619502	10.1	
85 2-Methylnaphthalene	142	7.583	7.583	0.0	90	1357266	9.78	
86 1-Methylnaphthalene	142	7.668	7.668	0.0	91	1290183	9.92	
87 1,2,3,5-Tetrachlorobenzene	216	7.711	7.711	0.0	95	736143	10.0	
88 Hexachlorocyclopentadiene	237	7.711	7.711	0.0	84	348885	8.07	
90 2,4,6-Trichlorophenol	196	7.813	7.813	0.0	93	419332	10.4	
91 2,4,5-Trichlorophenol	196	7.840	7.840	0.0	94	443379	10.1	
94 2,4-Toluene diamine	121	7.957	7.957	0.0	97	341476	8.30	
96 1,2,3,4 -Tetrachlorobenzene	216	7.968	7.968	0.0	88	711437	0	
95 1,1'-Biphenyl	154	7.973	7.973	0.0	95	1632923	9.70	
98 2-Chloronaphthalene	162	8.000	8.000	0.0	96	1586360	9.92	
100 2-Nitroaniline	65	8.070	8.070	0.0	78	469251	10.4	
103 Dimethyl phthalate	163	8.214	8.214	0.0	98	1448045	9.85	
105 2,6-Dinitrotoluene	165	8.268	8.268	0.0	87	366002	9.52	
106 1,2-Dinitrobenzene	168	8.316	8.316	0.0	87	187110	9.55	
107 Acenaphthylene	152	8.353	8.353	0.0	95	2113442	10.1	
108 3-Nitroaniline	138	8.417	8.417	0.0	91	382332	10.6	
110 Acenaphthene	153	8.498	8.498	0.0	89	1263418	9.65	
109 2,4-Dinitrophenol	184	8.503	8.503	0.0	81	372458	19.7	
111 4-Nitrophenol	109	8.530	8.530	0.0	94	206060	9.19	
112 2,4-Dinitrotoluene	165	8.610	8.610	0.0	82	523349	9.91	
114 Dibenzofuran	168	8.642	8.642	0.0	87	1863394	9.65	
115 2,3,5,6-Tetrachlorophenol	232	8.695	8.695	0.0	85	362071	10.4	
119 Diethyl phthalate	149	8.802	8.802	0.0	96	1431108	9.75	
121 4-Chlorophenyl phenyl ether	204	8.915	8.915	0.0	96	850272	9.91	
123 4-Nitroaniline	138	8.931	8.931	0.0	59	390975	10.9	
124 Fluorene	166	8.931	8.931	0.0	82	1530377	9.94	
126 4,6-Dinitro-2-methylphenol	198	8.952	8.952	0.0	80	244555	9.82	
130 N-Nitrosodiphenylamine	169	9.011	9.011	0.0	0	1111418	10.2	
131 Azobenzene	77	9.048	9.048	0.0	99	1720478	10.2	
129 1,2-Diphenylhydrazine	77	9.048	9.048	0.0	0	1720478	10.2	
137 4-Bromophenyl phenyl ether	248	9.332	9.332	0.0	66	476814	10.2	
139 Hexachlorobenzene	284	9.391	9.391	0.0	85	464205	9.99	
140 Atrazine	200	9.444	9.444	0.0	88	317347	10.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.551	9.551	0.0	84	558642	21.0	
146 Phenanthrene	178	9.744	9.744	0.0	97	2169074	10.0	
147 Anthracene	178	9.787	9.787	0.0	97	2226483	10.3	
149 Carbazole	167	9.910	9.910	0.0	82	2133443	10.3	
151 Di-n-butyl phthalate	149	10.172	10.172	0.0	100	2408884	10.3	
157 Fluoranthene	202	10.749	10.749	0.0	97	2370186	9.99	
158 Benzidine	184	10.846	10.846	0.0	99	952921	9.78	
160 Pyrene	202	10.953	10.953	0.0	95	2511014	10.5	
166 Butyl benzyl phthalate	149	11.536	11.536	0.0	96	1029715	10.6	
170 3,3'-Dimethoxybenzidine	244	12.135	12.135	0.0	86	477614	9.33	
172 4,4'-Methylene bis(2-chloroanili	231	12.172	12.172	0.0	72	402483	9.98	
173 3,3'-Dichlorobenzidine	252	12.172	12.172	0.0	69	837762	10.6	
171 Bis(2-ethylhexyl) phthalate	149	12.193	12.193	0.0	95	1430130	9.75	
175 Benzo[a]anthracene	228	12.226	12.226	0.0	97	2205755	10.3	
176 Chrysene	228	12.268	12.268	0.0	93	2101464	10.3	
178 Di-n-octyl phthalate	149	13.087	13.087	0.0	99	2248939	9.32	
180 Benzo[b]fluoranthene	252	13.702	13.702	0.0	95	2154106	10.5	
181 Benzo[k]fluoranthene	252	13.745	13.745	0.0	95	2235580	10.2	
182 Benzo[a]pyrene	252	14.194	14.194	0.0	75	2072392	10.8	
186 Indeno[1,2,3-cd]pyrene	276	15.905	15.905	0.0	93	2178608	10.7	
187 Dibenz(a,h)anthracene	278	15.932	15.932	0.0	83	1802744	10.4	
188 Benzo[g,h,i]perylene	276	16.339	16.339	0.0	93	1911610	10.7	
S 189 Methyl Phenols,Total	100				0		10.3	

QC Flag Legend

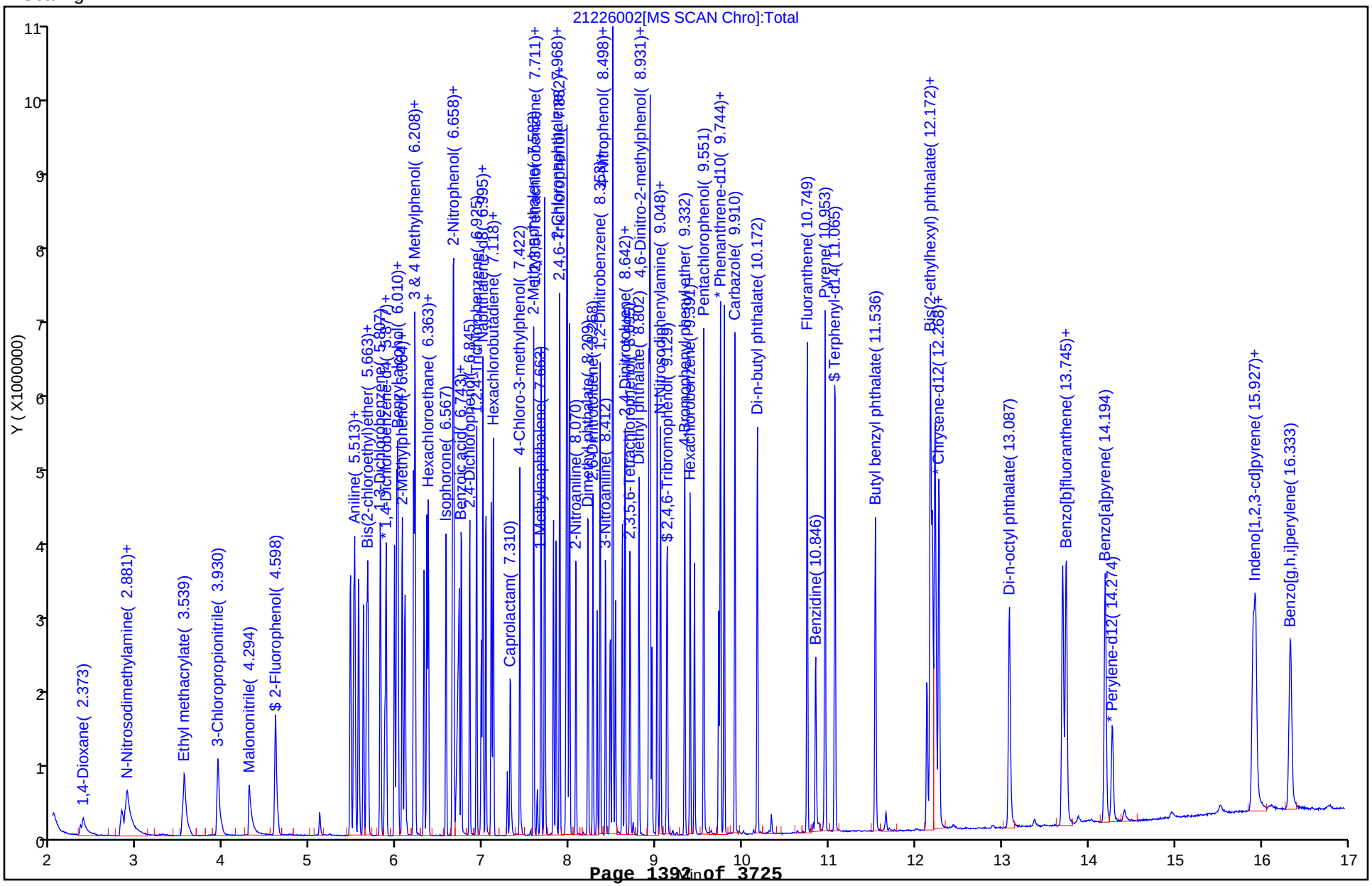
Review Flags
M - Manually Integrated

Report Date: 27-Dec-2012 09:55:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226002.D		
Injection Date:	26-Dec-2012 09:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

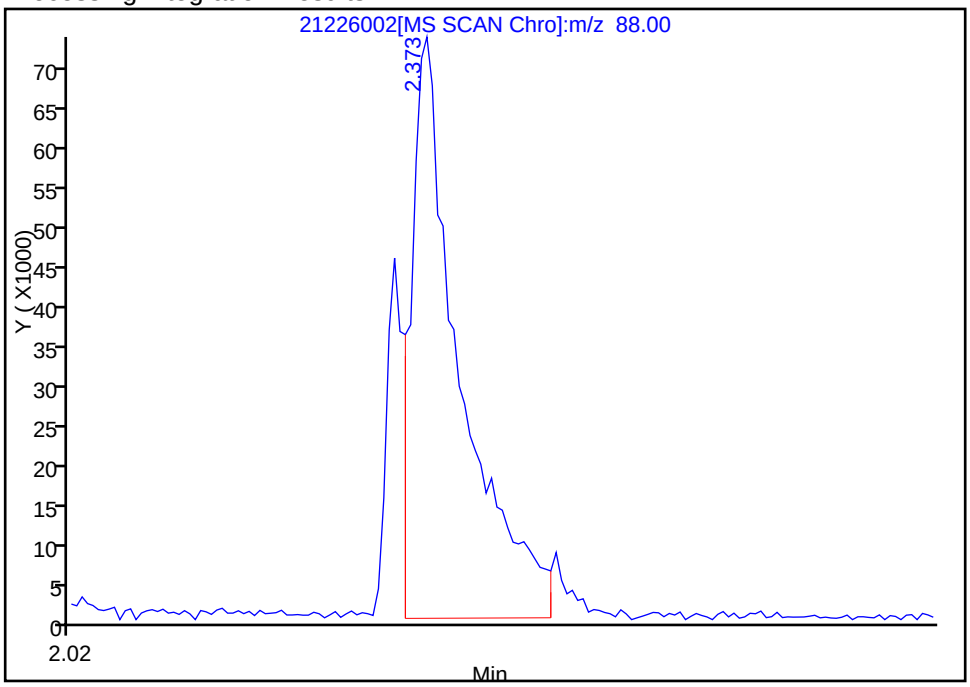
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226002.D		
Injection Date:	26-Dec-2012 09:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.37

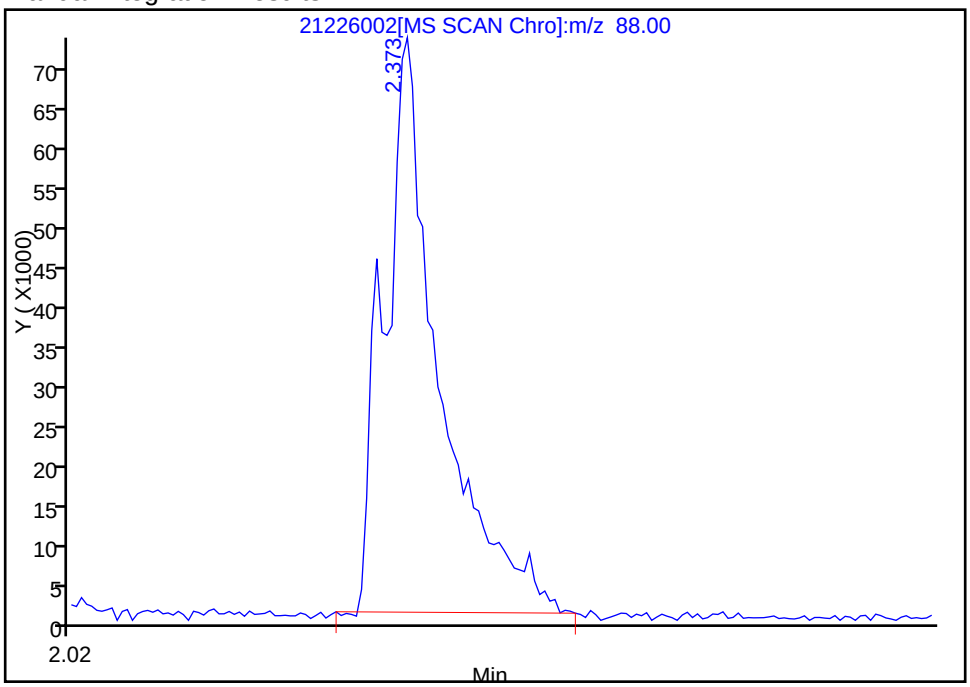
Processing Integration Results

RT: 2.37
Response: 246658
Amount: 8.125975



Manual Integration Results

RT: 2.37
Response: 287960
Amount: 9.486640



Reviewer: gruberj, 26-Dec-2012 09:44:12
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70417/2 Calibration Date: 12/28/2012 10:14

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21228002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5658	0.5305		9.38	10.0	-6.2	
N-Nitrosodimethylamine	Ave	0.7786	0.8148		10.5	10.0	4.6	
Pyridine	Ave	1.388	1.480		10.7	10.0	6.6	
Benzaldehyde	Ave	1.293	1.278		9.88	10.0	-1.2	
Phenol	Ave	1.712	1.746		10.2	10.0	2.0	
Aniline	Ave	2.224	2.215		9.96	10.0	-0.4	
Bis(2-chloroethyl)ether	Ave	1.661	1.630		9.81	10.0	-1.9	
2-Chlorophenol	Ave	1.352	1.349		9.98	10.0	-0.2	
1,3-Dichlorobenzene	Ave	1.754	1.698		9.68	10.0	-3.2	
1,4-Dichlorobenzene	Ave	1.456	1.450		9.95	10.0	-0.5	
Benzyl alcohol	Ave	0.8431	0.8451		10.0	10.0	0.2	
1,2-Dichlorobenzene	Ave	1.680	1.645		9.79	10.0	-2.1	
2-Methylphenol	Ave	1.229	1.231		10.0	10.0	0.2	
3 & 4 Methylphenol	Ave	1.320	1.292		9.79	10.0	-2.1	
N-Nitrosodi-n-propylamine	Ave	0.9869	0.9781		9.91	10.0	-0.9	
Acetophenone	Ave	1.907	1.918		10.1	10.0	0.6	
Hexachloroethane	Ave	0.6897	0.6867		9.96	10.0	-0.4	
Nitrobenzene	Ave	0.4559	0.4784		10.5	10.0	4.9	
Isophorone	Ave	0.6634	0.6786		10.2	10.0	2.3	
2-Nitrophenol	Ave	0.1637	0.1805		11.0	10.0	10.2	
2,4-Dimethylphenol	Ave	0.3402	0.3457		10.2	10.0	1.6	
Benzoic acid	Qua		0.2107		20.6	20.0	2.8	
Bis(2-chloroethoxy)methane	Ave	0.4978	0.5071		10.2	10.0	1.9	
2,4-Dichlorophenol	Ave	0.2655	0.2738		10.3	10.0	3.1	
1,2,4-Trichlorobenzene	Ave	0.3560	0.3605		10.1	10.0	1.3	
Naphthalene	Ave	0.9776	0.9945		10.2	10.0	1.7	
Hexachlorobutadiene	Ave	0.1932	0.1921		9.94	10.0	-0.6	
Caprolactam	Ave	0.0879	0.1021		11.6	10.0	16.1	
4-Chloro-3-methylphenol	Ave	0.2840	0.2954		10.4	10.0	4.0	
2-Methylnaphthalene	Ave	0.6414	0.6405		9.99	10.0	-0.1	
1-Methylnaphthalene	Ave	0.6013	0.5995		9.97	10.0	-0.3	
Hexachlorocyclopentadiene	Ave	0.3381	0.3163		9.36	10.0	-6.4	
2,4,6-Trichlorophenol	Ave	0.3147	0.3393		10.8	10.0	7.8	
2,4,5-Trichlorophenol	Ave	0.3437	0.3545		10.3	10.0	3.1	
1,1'-Biphenyl	Ave	1.316	1.289		9.80	10.0	-2.0	
2-Chloronaphthalene	Ave	1.250	1.267		10.1	10.0	1.3	
2-Nitroaniline	Ave	0.3538	0.3817		10.8	10.0	7.9	
Dimethyl phthalate	Ave	1.149	1.147		9.98	10.0	-0.2	
2,6-Dinitrotoluene	Qua		0.3102		10.3	10.0	2.6	
Acenaphthylene	Ave	1.643	1.694		10.3	10.0	3.1	
3-Nitroaniline	Ave	0.2829	0.3051		10.8	10.0	7.8	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70417/2 Calibration Date: 12/28/2012 10:14

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21228002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.024	1.001		9.78	10.0	-2.2	
2,4-Dinitrophenol	Qua		0.1720		22.9	20.0	14.7	
4-Nitrophenol	Qua		0.1799		10.2	10.0	1.6	
2,4-Dinitrotoluene	Qua		0.4142		10.0	10.0	0.3	
Dibenzofuran	Ave	1.510	1.475		9.77	10.0	-2.3	
Diethyl phthalate	Ave	1.147	1.125		9.81	10.0	-1.9	
4-Chlorophenyl phenyl ether	Ave	0.6708	0.6661		9.93	10.0	-0.7	
4-Nitroaniline	Ave	0.2803	0.3062		10.9	10.0	9.2	
Fluorene	Ave	1.204	1.219		10.1	10.0	1.2	
4,6-Dinitro-2-methylphenol	Qua		0.1349		10.8	10.0	8.1	
N-Nitrosodiphenylamine	Ave	0.5419	0.5568		10.3	10.0	2.7	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.8354	0.8545		10.2	10.0	2.3	
Azobenzene	Ave	0.8354	0.8545		10.2	10.0	2.3	
4-Bromophenyl phenyl ether	Ave	0.2319	0.2346		10.1	10.0	1.2	
Hexachlorobenzene	Ave	0.2309	0.2283		9.89	10.0	-1.1	
Atrazine	Ave	0.1525	0.1602		10.5	10.0	5.0	
Pentachlorophenol	Ave	0.1321	0.1441		21.8	20.0	9.0	
Phenanthrene	Ave	1.074	1.056		9.83	10.0	-1.7	
Anthracene	Ave	1.072	1.101		10.3	10.0	2.7	
Carbazole	Ave	1.027	1.056		10.3	10.0	2.8	
Di-n-butyl phthalate	Ave	1.161	1.192		10.3	10.0	2.7	
Fluoranthene	Ave	1.179	1.196		10.1	10.0	1.5	
Benzidine	Qua		0.4809		10.2	10.0	2.0	
Pyrene	Ave	1.157	1.178		10.2	10.0	1.8	
Butyl benzyl phthalate	Ave	0.4697	0.4876		10.4	10.0	3.8	
3,3'-Dichlorobenzidine	Ave	0.3801	0.4069		10.7	10.0	7.1	
Bis(2-ethylhexyl) phthalate	Qua		0.7038		9.94	10.0	-0.6	
Benzo[a]anthracene	Ave	1.034	1.029		9.95	10.0	-0.5	
Chrysene	Ave	0.9796	0.9787		9.99	10.0	-0.0	
Di-n-octyl phthalate	Qua		1.381		9.76	10.0	-2.4	
Benzo[b]fluoranthene	Ave	1.194	1.256		10.5	10.0	5.1	
Benzo[k]fluoranthene	Ave	1.281	1.294		10.1	10.0	1.0	
Benzo[a]pyrene	Ave	1.123	1.197		10.7	10.0	6.6	
Indeno[1,2,3-cd]pyrene	Ave	1.191	1.281		10.8	10.0	7.5	
Dibenz(a,h)anthracene	Ave	1.014	1.043		10.3	10.0	2.8	
Benzo[g,h,i]perylene	Ave	1.044	1.087		10.4	10.0	4.1	
2-Fluorophenol (Surr)	Ave	1.227	1.262		10.3	10.0	2.8	
Phenol-d5 (Surr)	Ave	1.634	1.672		10.2	10.0	2.3	
Nitrobenzene-d5 (Surr)	Ave	0.4406	0.4543		10.3	10.0	3.1	
2-Fluorobiphenyl (Surr)	Ave	1.433	1.444		10.1	10.0	0.7	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70417/2 Calibration Date: 12/28/2012 10:14

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21228002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,6-Tribromophenol (Surr)	Ave	0.1345	0.1496		11.1	10.0	11.2	
Terphenyl-d14 (Surr)	Ave	0.8184	0.8043		9.83	10.0	-1.7	

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228002.D
Lims ID: ccv tcl
Client ID:
Inject. Date: 28-Dec-2012 10:14:30
Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0016244-002
Misc. Info.: CCV TCL
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 2
Lims Batch ID: 70417
Lims Sample ID: 2
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\8270_hp7.m
Last Update: 28-Dec-2012 13:47:31
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK012

First Level Reviewer: gruberj
Date: 28-Dec-2012 10:35:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.846	5.846	0.0	95	228837	4.00	
* 2 Naphthalene-d8	136	6.959	6.959	0.0	100	888529	4.00	
* 3 Acenaphthene-d10	164	8.451	8.451	0.0	92	528438	4.00	
* 4 Phenanthrene-d10	188	9.708	9.708	0.0	98	844724	4.00	
* 5 Chrysene-d12	240	12.206	12.206	0.0	91	896695	4.00	
* 6 Perylene-d12	264	14.233	14.233	0.0	92	745520	4.00	
$ 7 2-Fluorophenol	112	4.573	4.573	0.0	95	721990	10.3	
$ 8 Phenol-d5	99	5.488	5.488	0.0	90	956477	10.2	
$ 9 Nitrobenzene-d5	82	6.333	6.333	0.0	93	1009175	10.3	
$ 10 2-Fluorobiphenyl (Surr)	172	7.868	7.868	0.0	99	1907349	10.1	
$ 11 2,4,6-Tribromophenol	330	9.114	9.114	0.0	91	197626	11.1	
$ 12 Terphenyl-d14	244	11.045	11.045	0.0	98	1803003	9.83	
24 1,4-Dioxane	88	2.316	2.316	0.0	97	303488	9.38	M
25 N-Nitrosodimethylamine	74	2.755	2.755	0.0	83	466131	10.5	
26 Pyridine	79	2.808	2.808	0.0	90	846679	10.7	
27 Ethyl methacrylate	69	3.493	3.493	0.0	90	650279	10.0	
28 3-Chloropropionitrile	54	3.894	3.894	0.0	85	634993	10.3	
32 Malononitrile	66	4.263	4.263	0.0	96	862909	9.38	
40 Benzaldehyde	77	5.445	5.445	0.0	90	731046	9.88	
41 Phenol	94	5.498	5.498	0.0	98	998885	10.2	
43 Aniline	93	5.541	5.541	0.0	96	1266993	9.96	
44 Bis(2-chloroethyl)ether	93	5.595	5.595	0.0	92	932302	9.81	
46 2-Chlorophenol	128	5.648	5.648	0.0	96	771994	9.98	
47 1,3-Dichlorobenzene	146	5.793	5.793	0.0	95	971587	9.68	
48 1,4-Dichlorobenzene	146	5.857	5.857	0.0	90	829367	9.95	
49 Benzyl alcohol	108	5.958	5.958	0.0	90	483462	10.0	
50 1,2-Dichlorobenzene	146	5.996	5.996	0.0	93	941060	9.79	
51 2-Methylphenol	108	6.049	6.049	0.0	97	704240	10.0	
52 2,2'-oxybis[1-chloropropane]	45	6.076	6.076	0.0	90	1309551	9.67	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.178	6.178	0.0	97	738862	9.79	
56 N-Nitrosodi-n-propylamine	70	6.188	6.188	0.0	91	559579	9.91	
57 Acetophenone	105	6.194	6.194	0.0	87	1097533	10.1	
60 Hexachloroethane	117	6.301	6.301	0.0	92	392847	9.96	
61 Nitrobenzene	77	6.349	6.349	0.0	92	1062567	10.5	
63 Isophorone	82	6.552	6.552	0.0	97	1507470	10.2	
65 2-Nitrophenol	139	6.627	6.627	0.0	95	400952	11.0	
66 1,3,5-Trichlorobenzene	180	6.638	6.638	0.0	96	818217	10.3	
64 2,4-Dimethylphenol	107	6.643	6.643	0.0	74	767844	10.2	
69 Benzoic acid	122	6.707	6.707	0.0	83	936248	20.6	
68 Bis(2-chloroethoxy)methane	93	6.729	6.729	0.0	91	1126425	10.2	
71 2,4-Dichlorophenol	162	6.830	6.830	0.0	97	608095	10.3	
72 1,2,4-Trichlorobenzene	180	6.905	6.905	0.0	91	800855	10.1	
73 Naphthalene	128	6.980	6.980	0.0	97	2209045	10.2	
74 4-Chloroaniline	127	7.012	7.012	0.0	82	943620	10.3	
77 Hexachlorobutadiene	225	7.076	7.076	0.0	94	426611	9.94	
78 1,2,3-Trichlorobenzene	180	7.103	7.103	0.0	90	765099	0	
83 Caprolactam	113	7.296	7.296	0.0	71	226719	11.6	
84 4-Chloro-3-methylphenol	107	7.408	7.408	0.0	94	656163	10.4	
85 2-Methylnaphthalene	142	7.568	7.568	0.0	88	1422780	9.99	
86 1-Methylnaphthalene	142	7.654	7.654	0.0	83	1331761	9.97	
87 1,2,3,5-Tetrachlorobenzene	216	7.697	7.697	0.0	94	776789	10.2	
88 Hexachlorocyclopentadiene	237	7.697	7.697	0.0	86	417864	9.36	
90 2,4,6-Trichlorophenol	196	7.798	7.798	0.0	94	448287	10.8	
91 2,4,5-Trichlorophenol	196	7.825	7.825	0.0	93	468376	10.3	
94 2,4-Toluene diamine	121	7.937	7.937	0.0	95	399206	9.45	
96 1,2,3,4 -Tetrachlorobenzene	216	7.948	7.948	0.0	93	763347	0	
95 1,1'-Biphenyl	154	7.959	7.959	0.0	94	1703024	9.80	
98 2-Chloronaphthalene	162	7.980	7.980	0.0	96	1673669	10.1	
100 2-Nitroaniline	65	8.055	8.055	0.0	78	504200	10.8	
103 Dimethyl phthalate	163	8.194	8.194	0.0	98	1514977	9.98	
105 2,6-Dinitrotoluene	165	8.253	8.253	0.0	91	409789	10.3	
106 1,2-Dinitrobenzene	168	8.301	8.301	0.0	88	205755	10.1	
107 Acenaphthylene	152	8.333	8.333	0.0	93	2237766	10.3	
108 3-Nitroaniline	138	8.397	8.397	0.0	90	403076	10.8	
110 Acenaphthene	153	8.478	8.478	0.0	92	1322757	9.78	
109 2,4-Dinitrophenol	184	8.483	8.483	0.0	74	454345	22.9	
111 4-Nitrophenol	109	8.515	8.515	0.0	93	237713	10.2	
112 2,4-Dinitrotoluene	165	8.595	8.595	0.0	91	547227	10.0	
114 Dibenzofuran	168	8.622	8.622	0.0	87	1949233	9.77	
115 2,3,5,6-Tetrachlorophenol	232	8.681	8.681	0.0	89	384083	10.7	
119 Diethyl phthalate	149	8.782	8.782	0.0	96	1486364	9.81	
121 4-Chlorophenyl phenyl ether	204	8.900	8.900	0.0	94	880033	9.93	
123 4-Nitroaniline	138	8.911	8.911	0.0	63	404513	10.9	
124 Fluorene	166	8.911	8.911	0.0	89	1610305	10.1	
126 4,6-Dinitro-2-methylphenol	198	8.938	8.938	0.0	79	284792	10.8	
130 N-Nitrosodiphenylamine	169	8.996	8.996	0.0	0	1175771	10.3	
131 Azobenzene	77	9.034	9.034	0.0	99	1804474	10.2	
129 1,2-Diphenylhydrazine	77	9.034	9.034	0.0	0	1804474	10.2	
137 4-Bromophenyl phenyl ether	248	9.312	9.312	0.0	69	495523	10.1	
139 Hexachlorobenzene	284	9.376	9.376	0.0	87	482205	9.89	
140 Atrazine	200	9.424	9.424	0.0	87	338301	10.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.531	9.531	0.0	86	608475	21.8	
146 Phenanthrene	178	9.724	9.724	0.0	97	2230180	9.83	
147 Anthracene	178	9.772	9.772	0.0	97	2324552	10.3	
149 Carbazole	167	9.895	9.895	0.0	82	2229685	10.3	
151 Di-n-butyl phthalate	149	10.152	10.152	0.0	100	2517239	10.3	
157 Fluoranthene	202	10.729	10.729	0.0	98	2525902	10.1	
158 Benzidine	184	10.820	10.820	0.0	99	1078026	10.2	
160 Pyrene	202	10.933	10.933	0.0	96	2641816	10.2	
166 Butyl benzyl phthalate	149	11.510	11.510	0.0	97	1093099	10.4	
170 3,3'-Dimethoxybenzidine	244	12.104	12.104	0.0	91	515389	9.32	
172 4,4'-Methylene bis(2-chloroanili	231	12.141	12.141	0.0	72	434856	9.99	
173 3,3'-Dichlorobenzidine	252	12.141	12.141	0.0	68	912118	10.7	
171 Bis(2-ethylhexyl) phthalate	149	12.163	12.163	0.0	96	1577694	9.94	
175 Benzo[a]anthracene	228	12.195	12.195	0.0	99	2307427	9.95	
176 Chrysene	228	12.238	12.238	0.0	95	2194003	10.0	
178 Di-n-octyl phthalate	149	13.045	13.045	0.0	99	2573935	9.76	
180 Benzo[b]fluoranthene	252	13.660	13.660	0.0	92	2340895	10.5	
181 Benzo[k]fluoranthene	252	13.703	13.703	0.0	99	2412671	10.1	
182 Benzo[a]pyrene	252	14.147	14.147	0.0	75	2230593	10.7	
186 Indeno[1,2,3-cd]pyrene	276	15.853	15.853	0.0	97	2388050	10.8	
187 Dibenz(a,h)anthracene	278	15.880	15.880	0.0	85	1943809	10.3	
188 Benzo[g,h,i]perylene	276	16.281	16.281	0.0	88	2025419	10.4	
S 189 Methyl Phenols,Total	100				0		10.0	

QC Flag Legend

Review Flags
M - Manually Integrated

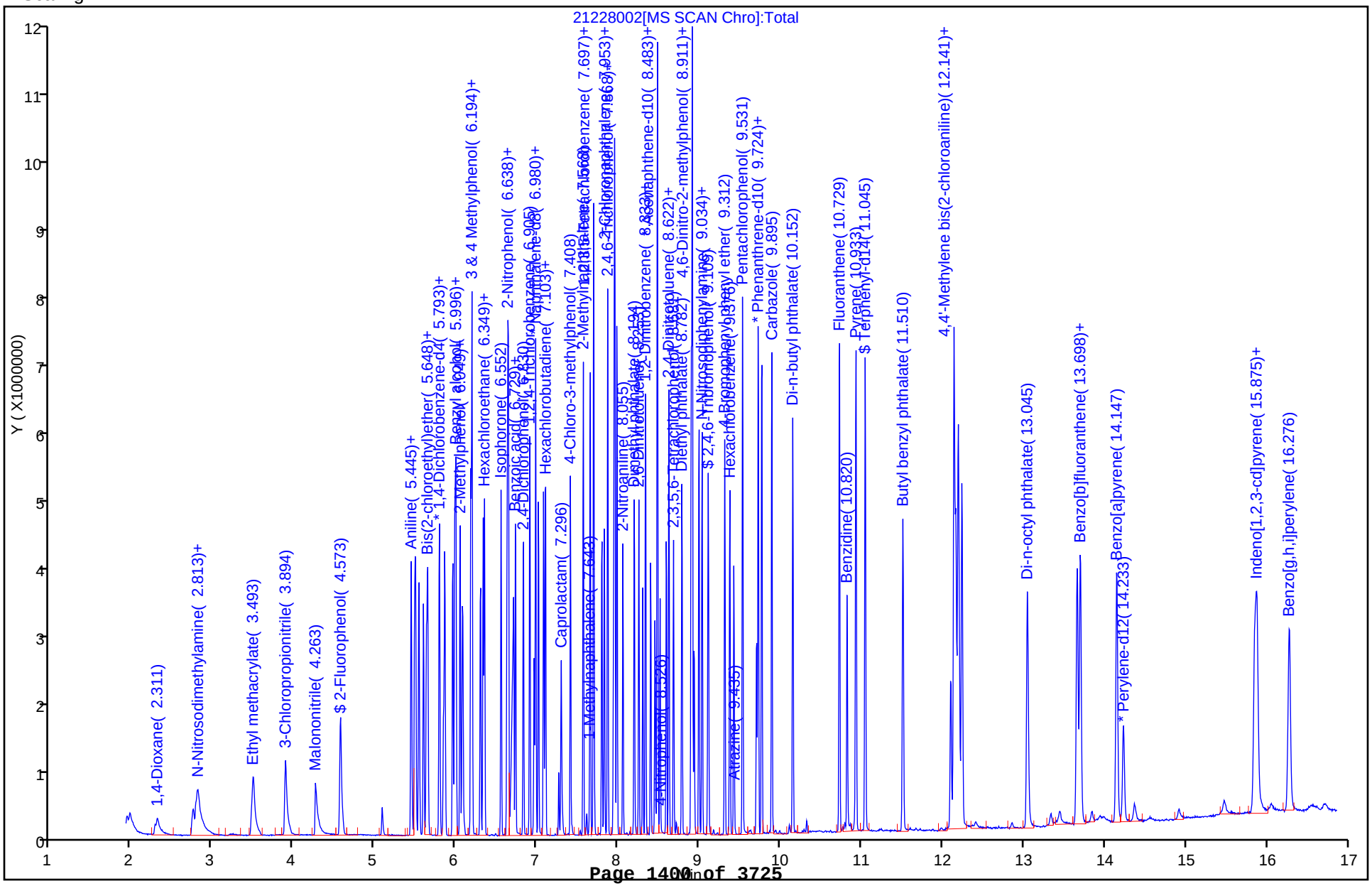
Report Date: 28-Dec-2012 13:47:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228002.D

Injection Date:	28-Dec-2012 10:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

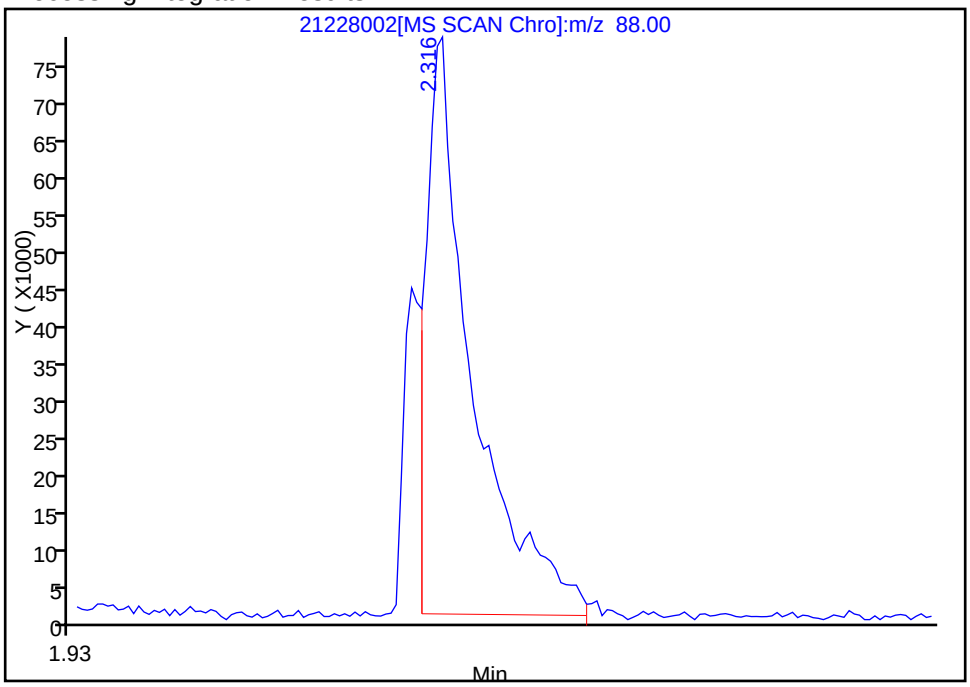
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228002.D		
Injection Date:	28-Dec-2012 10:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.32

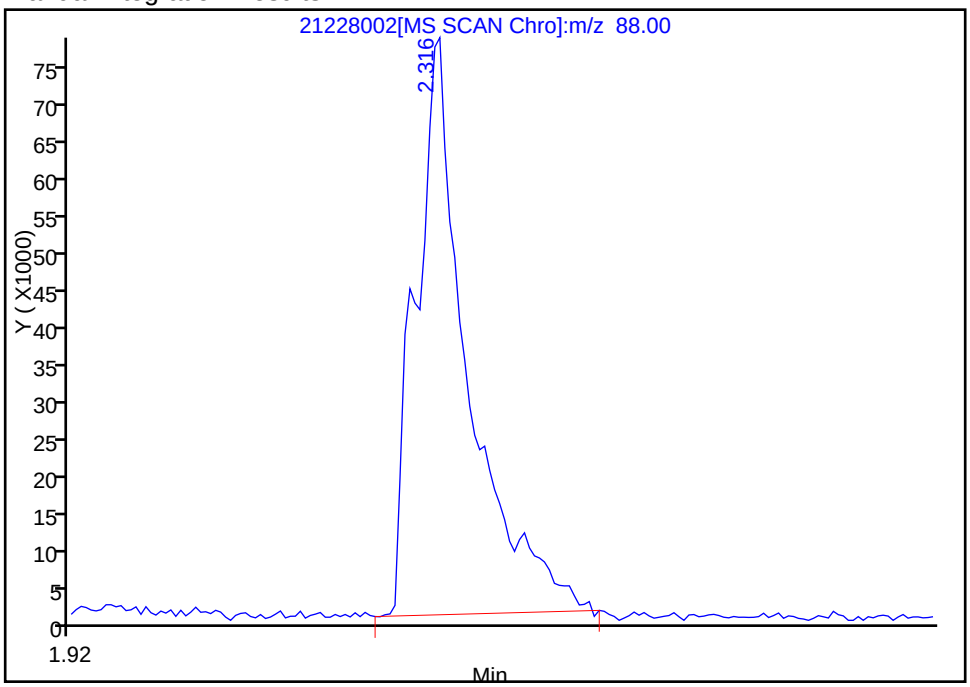
Processing Integration Results

RT: 2.32
Response: 259889
Amount: 8.028926



Manual Integration Results

RT: 2.32
Response: 303488
Amount: 9.375860



Reviewer: gruberj, 28-Dec-2012 10:35:45
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70582/2 Calibration Date: 12/29/2012 12:36

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21229002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5658	0.5638	0.0500	9.97	10.0	-0.3	20.0
N-Nitrosodimethylamine	Ave	0.7786	0.7753	0.0500	9.96	10.0	-0.4	20.0
Pyridine	Ave	1.388	1.449	0.0500	10.4	10.0	4.4	20.0
Benzaldehyde	Ave	1.293	1.332	0.0500	10.3	10.0	3.0	20.0
Phenol	Ave	1.712	1.742	0.0500	10.2	10.0	1.8	20.0
Aniline	Ave	2.224	2.255	0.0500	10.1	10.0	1.4	20.0
Bis(2-chloroethyl)ether	Ave	1.661	1.697	0.0500	10.2	10.0	2.2	20.0
2-Chlorophenol	Ave	1.352	1.364	0.0500	10.1	10.0	0.9	20.0
1,3-Dichlorobenzene	Ave	1.754	1.747	0.0500	9.96	10.0	-0.4	20.0
1,4-Dichlorobenzene	Ave	1.456	1.464	0.0500	10.0	10.0	0.5	20.0
Benzyl alcohol	Ave	0.8431	0.8601	0.0500	10.2	10.0	2.0	20.0
1,2-Dichlorobenzene	Ave	1.680	1.655	0.0500	9.85	10.0	-1.5	20.0
2-Methylphenol	Ave	1.229	1.258	0.0500	10.2	10.0	2.4	20.0
3 & 4 Methylphenol	Ave	1.320	1.314	0.0500	9.96	10.0	-0.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.9869	1.016	0.0500	10.3	10.0	2.9	20.0
Acetophenone	Ave	1.907	1.946	0.0500	10.2	10.0	2.0	20.0
Hexachloroethane	Ave	0.6897	0.6900	0.0500	10.0	10.0	0.0	20.0
Nitrobenzene	Ave	0.4559	0.4682	0.0500	10.3	10.0	2.7	20.0
Isophorone	Ave	0.6634	0.6966	0.0500	10.5	10.0	5.0	20.0
2-Nitrophenol	Ave	0.1637	0.1744	0.0500	10.7	10.0	6.5	20.0
2,4-Dimethylphenol	Ave	0.3402	0.3531	0.0500	10.4	10.0	3.8	20.0
Benzoic acid	Qua		0.1688	0.0500	16.8	20.0	-15.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.4978	0.5261	0.0500	10.6	10.0	5.7	20.0
2,4-Dichlorophenol	Ave	0.2655	0.2693	0.0500	10.1	10.0	1.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3560	0.3566	0.0500	10.0	10.0	0.2	20.0
Naphthalene	Ave	0.9776	0.9731	0.0500	9.95	10.0	-0.5	20.0
Hexachlorobutadiene	Ave	0.1932	0.1951	0.0500	10.1	10.0	1.0	20.0
Caprolactam	Ave	0.0879	0.1020	0.0500	11.6	10.0	16.0	20.0
4-Chloro-3-methylphenol	Ave	0.2840	0.2896	0.0500	10.2	10.0	1.9	20.0
2-Methylnaphthalene	Ave	0.6414	0.6501	0.0500	10.1	10.0	1.4	20.0
1-Methylnaphthalene	Ave	0.6013	0.6089	0.0500	10.1	10.0	1.3	20.0
Hexachlorocyclopentadiene	Ave	0.3381	0.2954	0.0500	8.74	10.0	-12.6	20.0
2,4,6-Trichlorophenol	Ave	0.3147	0.3290	0.0500	10.5	10.0	4.5	20.0
2,4,5-Trichlorophenol	Ave	0.3437	0.3404	0.0500	9.90	10.0	-1.0	20.0
1,1'-Biphenyl	Ave	1.316	1.300	0.0500	9.88	10.0	-1.2	20.0
2-Chloronaphthalene	Ave	1.250	1.237	0.0500	9.89	10.0	-1.1	20.0
2-Nitroaniline	Ave	0.3538	0.3789	0.0500	10.7	10.0	7.1	20.0
Dimethyl phthalate	Ave	1.149	1.146	0.0500	9.98	10.0	-0.2	20.0
2,6-Dinitrotoluene	Qua		0.3063	0.0500	10.1	10.0	1.4	20.0
Acenaphthylene	Ave	1.643	1.673	0.0500	10.2	10.0	1.8	20.0
3-Nitroaniline	Ave	0.2829	0.2905	0.0500	10.3	10.0	2.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70582/2 Calibration Date: 12/29/2012 12:36

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21229002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.024	0.9884	0.0500	9.65	10.0	-3.5	20.0
2,4-Dinitrophenol	Qua		0.1344	0.0500	18.3	20.0	-8.3	20.0
4-Nitrophenol	Qua		0.1551	0.0500	8.87	10.0	-11.3	20.0
2,4-Dinitrotoluene	Qua		0.4128	0.0500	9.99	10.0	-0.0	20.0
Dibenzofuran	Ave	1.510	1.453	0.0500	9.62	10.0	-3.8	20.0
Diethyl phthalate	Ave	1.147	1.161	0.0500	10.1	10.0	1.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.6708	0.6840	0.0500	10.2	10.0	2.0	20.0
4-Nitroaniline	Ave	0.2803	0.3066	0.0500	10.9	10.0	9.4	20.0
Fluorene	Ave	1.204	1.212	0.0500	10.1	10.0	0.6	20.0
4,6-Dinitro-2-methylphenol	Qua		0.1176	0.0500	9.54	10.0	-4.6	20.0
N-Nitrosodiphenylamine	Ave	0.5419	0.5712	0.0500	10.5	10.0	5.4	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.8354	0.8931	0.0500	10.7	10.0	6.9	20.0
Azobenzene	Ave	0.8354	0.8931	0.0500	10.7	10.0	6.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2319	0.2480	0.0500	10.7	10.0	6.9	20.0
Hexachlorobenzene	Ave	0.2309	0.2370	0.0500	10.3	10.0	2.7	20.0
Atrazine	Ave	0.1525	0.1659	0.0500	10.9	10.0	8.8	20.0
Pentachlorophenol	Ave	0.1321	0.1375	0.0500	20.8	20.0	4.1	20.0
Phenanthrene	Ave	1.074	1.095	0.0500	10.2	10.0	2.0	20.0
Anthracene	Ave	1.072	1.137	0.0500	10.6	10.0	6.1	20.0
Carbazole	Ave	1.027	1.097	0.0500	10.7	10.0	6.8	20.0
Di-n-butyl phthalate	Ave	1.161	1.278	0.0500	11.0	10.0	10.1	20.0
Fluoranthene	Ave	1.179	1.227	0.0500	10.4	10.0	4.1	20.0
Benzidine	Qua		0.4096	0.0500	8.82	10.0	-11.8	20.0
Pyrene	Ave	1.157	1.236	0.0500	10.7	10.0	6.8	20.0
Butyl benzyl phthalate	Ave	0.4697	0.5212	0.0500	11.1	10.0	11.0	20.0
3,3'-Dichlorobenzidine	Ave	0.3801	0.3842	0.0500	10.1	10.0	1.1	20.0
Bis(2-ethylhexyl) phthalate	Qua		0.7132	0.0500	10.1	10.0	0.7	20.0
Benzo[a]anthracene	Ave	1.034	1.049	0.0500	10.1	10.0	1.4	20.0
Chrysene	Ave	0.9796	0.9674	0.0500	9.88	10.0	-1.2	20.0
Di-n-octyl phthalate	Qua		1.540	0.0500	10.8	10.0	7.8	20.0
Benzo[b]fluoranthene	Ave	1.194	1.288	0.0500	10.8	10.0	7.8	20.0
Benzo[k]fluoranthene	Ave	1.281	1.456	0.0500	11.4	10.0	13.6	20.0
Benzo[a]pyrene	Ave	1.123	1.234	0.0500	11.0	10.0	9.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.191	1.107	0.0500	9.29	10.0	-7.1	20.0
Dibenz(a,h)anthracene	Ave	1.014	0.9226	0.0500	9.10	10.0	-9.0	20.0
Benzo[g,h,i]perylene	Ave	1.044	0.9297	0.0500	8.91	10.0	-10.9	20.0
2-Fluorophenol (Surr)	Ave	1.227	1.271	0.0500	10.4	10.0	3.5	20.0
Phenol-d5 (Surr)	Ave	1.634	1.667	0.0500	10.2	10.0	2.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4406	0.4548	0.0500	10.3	10.0	3.2	20.0
2-Fluorobiphenyl (Surr)	Ave	1.433	1.429	0.0500	9.97	10.0	-0.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70582/2 Calibration Date: 12/29/2012 12:36

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21229002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,6-Tribromophenol (Surr)	Ave	0.1345	0.1451	0.0500	10.8	10.0	7.9	20.0
Terphenyl-d14 (Surr)	Ave	0.8184	0.8527	0.0500	10.4	10.0	4.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229002.D
Lims ID: ccv tcl
Client ID:
Inject. Date: 29-Dec-2012 12:36:30
Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0016274-002
Misc. Info.: CCV TCL
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 2
Lims Batch ID: 70582
Lims Sample ID: 2
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:46:42
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj
Date: 29-Dec-2012 12:55:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.833	5.833	0.0	95	190256	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	761759	4.00	
* 3 Acenaphthene-d10	164	8.438	8.438	0.0	92	468874	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	735525	4.00	
* 5 Chrysene-d12	240	12.182	12.182	0.0	92	774609	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	95	563153	4.00	
$ 7 2-Fluorophenol	112	4.577	4.577	0.0	94	604396	10.4	
$ 8 Phenol-d5	99	5.480	5.480	0.0	90	793070	10.2	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	92	866165	10.3	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	100	1675498	9.97	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	83	170072	10.8	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	98	1651205	10.4	
24 1,4-Dioxane	88	2.335	2.335	0.0	99	268178	9.97	
25 N-Nitrosodimethylamine	74	2.779	2.779	0.0	89	368777	9.96	
26 Pyridine	79	2.844	2.844	0.0	90	689389	10.4	
27 Ethyl methacrylate	69	3.512	3.512	0.0	92	545818	10.1	
28 3-Chloropropionitrile	54	3.903	3.903	0.0	86	535422	10.5	
32 Malononitrile	66	4.266	4.266	0.0	98	825953	10.8	
40 Benzaldehyde	77	5.438	5.438	0.0	89	633420	10.3	
41 Phenol	94	5.491	5.491	0.0	98	828394	10.2	
43 Aniline	93	5.529	5.529	0.0	96	1072449	10.1	
44 Bis(2-chloroethyl)ether	93	5.587	5.587	0.0	92	807169	10.2	
46 2-Chlorophenol	128	5.641	5.641	0.0	95	648870	10.1	
47 1,3-Dichlorobenzene	146	5.780	5.780	0.0	95	831153	9.96	
48 1,4-Dichlorobenzene	146	5.850	5.850	0.0	91	696156	10.0	
49 Benzyl alcohol	108	5.946	5.946	0.0	89	409084	10.2	
50 1,2-Dichlorobenzene	146	5.983	5.983	0.0	91	787338	9.85	
51 2-Methylphenol	108	6.037	6.037	0.0	97	598392	10.2	
52 2,2'-oxybis[1-chloropropane]	45	6.063	6.063	0.0	91	1168929	10.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.165	6.165	0.0	96	625053	9.96	
56 N-Nitrosodi-n-propylamine	70	6.176	6.176	0.0	92	483059	10.3	
57 Acetophenone	105	6.181	6.181	0.0	90	925381	10.2	
60 Hexachloroethane	117	6.288	6.288	0.0	92	328181	10.0	
61 Nitrobenzene	77	6.336	6.336	0.0	92	891697	10.3	
63 Isophorone	82	6.540	6.540	0.0	97	1326576	10.5	
65 2-Nitrophenol	139	6.614	6.614	0.0	94	332125	10.7	
66 1,3,5-Trichlorobenzene	180	6.625	6.625	0.0	94	687824	10.1	
64 2,4-Dimethylphenol	107	6.630	6.630	0.0	74	672452	10.4	
69 Benzoic acid	122	6.689	6.689	0.0	87	642752	16.8	
68 Bis(2-chloroethoxy)methane	93	6.716	6.716	0.0	96	1001809	10.6	
71 2,4-Dichlorophenol	162	6.818	6.818	0.0	97	512926	10.1	
72 1,2,4-Trichlorobenzene	180	6.893	6.893	0.0	92	679128	10.0	
73 Naphthalene	128	6.967	6.967	0.0	96	1853177	9.95	
74 4-Chloroaniline	127	7.000	7.000	0.0	83	801168	10.2	
77 Hexachlorobutadiene	225	7.064	7.064	0.0	94	371625	10.1	
78 1,2,3-Trichlorobenzene	180	7.085	7.085	0.0	92	647352	0	
83 Caprolactam	113	7.283	7.283	0.0	71	194188	11.6	
84 4-Chloro-3-methylphenol	107	7.395	7.395	0.0	95	551425	10.2	
85 2-Methylnaphthalene	142	7.556	7.556	0.0	90	1237995	10.1	
86 1-Methylnaphthalene	142	7.636	7.636	0.0	90	1159607	10.1	
87 1,2,3,5-Tetrachlorobenzene	216	7.679	7.679	0.0	95	674684	10.0	
88 Hexachlorocyclopentadiene	237	7.684	7.684	0.0	77	346200	8.74	
90 2,4,6-Trichlorophenol	196	7.780	7.780	0.0	93	385608	10.5	
91 2,4,5-Trichlorophenol	196	7.812	7.812	0.0	93	398963	9.90	
94 2,4-Toluene diamine	121	7.925	7.925	0.0	96	272876	7.53	
96 1,2,3,4 -Tetrachlorobenzene	216	7.936	7.936	0.0	95	654785	0	
95 1,1'-Biphenyl	154	7.941	7.941	0.0	96	1524049	9.88	
98 2-Chloronaphthalene	162	7.968	7.968	0.0	97	1449751	9.89	
100 2-Nitroaniline	65	8.042	8.042	0.0	78	444107	10.7	
103 Dimethyl phthalate	163	8.182	8.182	0.0	98	1343635	9.98	
105 2,6-Dinitrotoluene	165	8.240	8.240	0.0	92	358992	10.1	
106 1,2-Dinitrobenzene	168	8.289	8.289	0.0	89	178345	9.90	
107 Acenaphthylene	152	8.321	8.321	0.0	91	1960708	10.2	
108 3-Nitroaniline	138	8.385	8.385	0.0	89	340456	10.3	
110 Acenaphthene	153	8.465	8.465	0.0	90	1158589	9.65	
109 2,4-Dinitrophenol	184	8.470	8.470	0.0	81	315064	18.3	
111 4-Nitrophenol	109	8.502	8.502	0.0	94	181806	8.87	
112 2,4-Dinitrotoluene	165	8.577	8.577	0.0	86	483845	10.0	
114 Dibenzofuran	168	8.609	8.609	0.0	84	1703726	9.62	
115 2,3,5,6-Tetrachlorophenol	232	8.668	8.668	0.0	89	336087	10.5	
119 Diethyl phthalate	149	8.770	8.770	0.0	96	1360699	10.1	
121 4-Chlorophenyl phenyl ether	204	8.882	8.882	0.0	97	801811	10.2	
123 4-Nitroaniline	138	8.898	8.898	0.0	56	359380	10.9	
124 Fluorene	166	8.898	8.898	0.0	91	1420619	10.1	
126 4,6-Dinitro-2-methylphenol	198	8.920	8.920	0.0	78	216189	9.54	
130 N-Nitrosodiphenylamine	169	8.978	8.978	0.0	0	1050269	10.5	
131 Azobenzene	77	9.016	9.016	0.0	99	1642277	10.7	
129 1,2-Diphenylhydrazine	77	9.016	9.016	0.0	0	1642277	10.7	
137 4-Bromophenyl phenyl ether	248	9.299	9.299	0.0	68	456074	10.7	
139 Hexachlorobenzene	284	9.358	9.358	0.0	89	435824	10.3	
140 Atrazine	200	9.412	9.412	0.0	88	305071	10.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.519	9.519	0.0	83	505806	20.8	
146 Phenanthrene	178	9.711	9.711	0.0	97	2013199	10.2	
147 Anthracene	178	9.754	9.754	0.0	97	2091215	10.6	
149 Carbazole	167	9.877	9.877	0.0	82	2017584	10.7	
151 Di-n-butyl phthalate	149	10.134	10.134	0.0	100	2349780	11.0	
157 Fluoranthene	202	10.711	10.711	0.0	98	2256585	10.4	
158 Benzidine	184	10.808	10.808	0.0	99	793112	8.82	
160 Pyrene	202	10.915	10.915	0.0	97	2393723	10.7	
166 Butyl benzyl phthalate	149	11.487	11.487	0.0	96	1009240	11.1	
170 3,3'-Dimethoxybenzidine	244	12.081	12.081	0.0	94	377749	8.07	
173 3,3'-Dichlorobenzidine	252	12.118	12.118	0.0	68	743979	10.1	
172 4,4'-Methylene bis(2-chloroanili	231	12.118	12.118	0.0	69	353135	9.41	
171 Bis(2-ethylhexyl) phthalate	149	12.140	12.140	0.0	95	1381123	10.1	
175 Benzo[a]anthracene	228	12.166	12.166	0.0	94	2031286	10.1	
176 Chrysene	228	12.214	12.214	0.0	94	1873478	9.88	
178 Di-n-octyl phthalate	149	13.017	13.017	0.0	99	2167919	10.8	
180 Benzo[b]fluoranthene	252	13.632	13.632	0.0	95	1813340	10.8	
181 Benzo[k]fluoranthene	252	13.669	13.669	0.0	98	2049389	11.4	
182 Benzo[a]pyrene	252	14.119	14.119	0.0	76	1737947	11.0	
186 Indeno[1,2,3-cd]pyrene	276	15.814	15.814	0.0	89	1558645	9.29	
187 Dibenz(a,h)anthracene	278	15.841	15.841	0.0	81	1298835	9.10	
188 Benzo[g,h,i]perylene	276	16.231	16.231	0.0	95	1308886	8.91	
S 189 Methyl Phenols,Total	100				0		10.2	

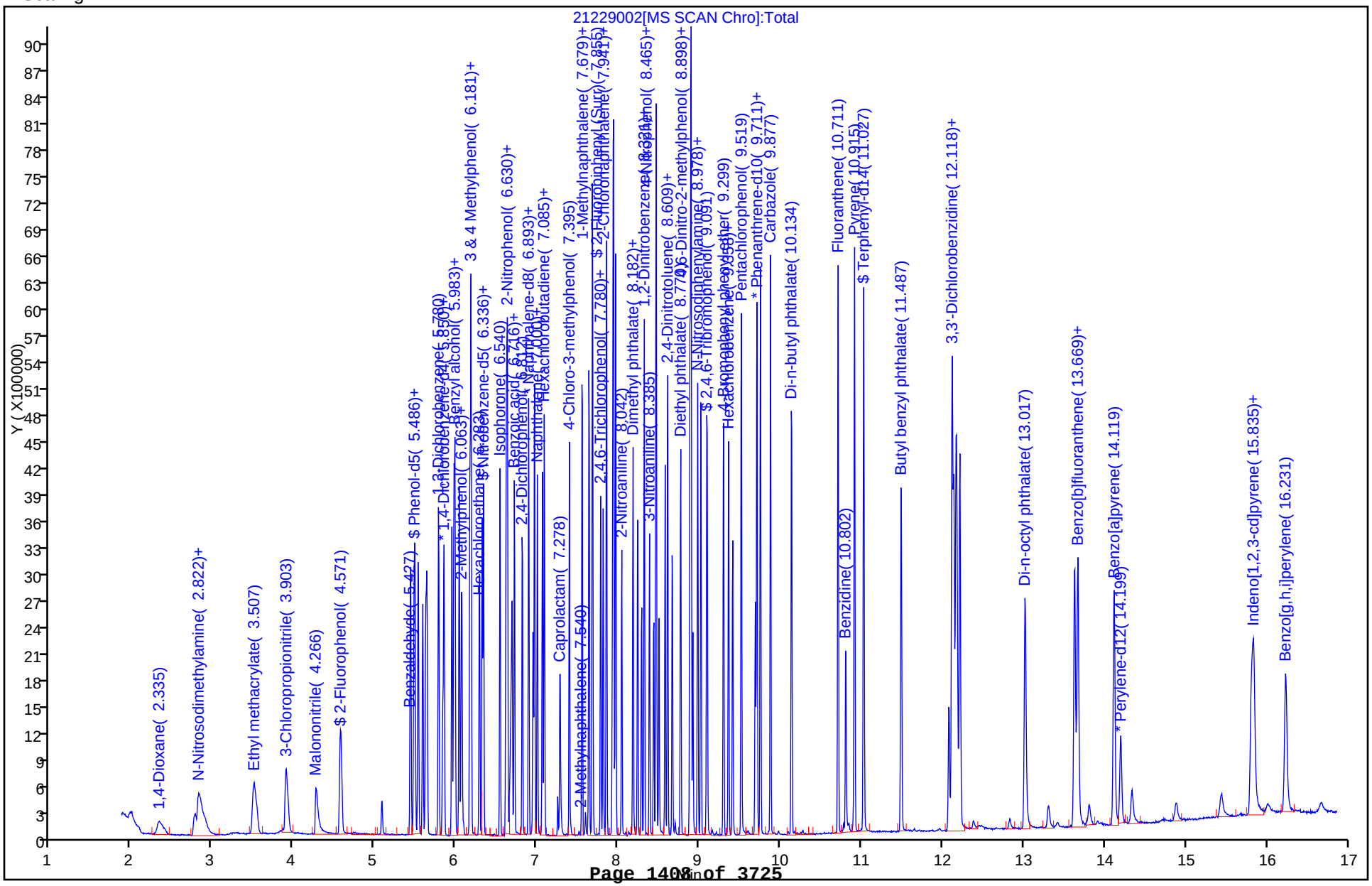
Report Date: 31-Dec-2012 12:46:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229002.D

Injection Date:	29-Dec-2012 12:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: mdll 1 Calibration Date: 12/29/2012 21:33

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21229025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.293			0.119	0.100		
Phenol	Ave	1.712			0.106	0.100		
Aniline	Ave	2.224			0.0946	0.100		
Bis(2-chloroethyl)ether	Ave	1.661			0.106	0.100		
2-Chlorophenol	Ave	1.352			0.0892	0.100		
1,3-Dichlorobenzene	Ave	1.754			0.105	0.100		
1,4-Dichlorobenzene	Ave	1.456			0.108	0.100		
Benzyl alcohol	Ave	0.8431			0.0776	0.100		
1,2-Dichlorobenzene	Ave	1.680			0.108	0.100		
2-Methylphenol	Ave	1.229			0.0958	0.100		
3 & 4 Methylphenol	Ave	1.320			0.0940	0.100		
N-Nitrosodi-n-propylamine	Ave	0.9869			0.0962	0.100		
Acetophenone	Ave	1.907			0.104	0.100		
Hexachloroethane	Ave	0.6897			0.0967	0.100		
Nitrobenzene	Ave	0.4559			0.100	0.100		
Isophorone	Ave	0.6634			0.104	0.100		
2-Nitrophenol	Ave	0.1637			0.0814	0.100		
2,4-Dimethylphenol	Ave	0.3402			0.0968	0.100		
Bis(2-chloroethoxy)methane	Ave	0.4978			0.105	0.100		
2,4-Dichlorophenol	Ave	0.2655			0.0913	0.100		
1,2,4-Trichlorobenzene	Ave	0.3560			0.106	0.100		
Naphthalene	Ave	0.9776			0.0907	0.100		
Hexachlorobutadiene	Ave	0.1932			0.107	0.100		
4-Chloro-3-methylphenol	Ave	0.2840			0.105	0.100		
2-Methylnaphthalene	Ave	0.6414			0.105	0.100		
2,4,6-Trichlorophenol	Ave	0.3147			0.0811	0.100		
2,4,5-Trichlorophenol	Ave	0.3437			0.0762	0.100		
1,1'-Biphenyl	Ave	1.316			0.111	0.100		
2-Chloronaphthalene	Ave	1.250			0.107	0.100		
2-Nitroaniline	Ave	0.3538			0.0779	0.100		
Dimethyl phthalate	Ave	1.149			0.113	0.100		
2,6-Dinitrotoluene	Qua				0.264	0.100		
Acenaphthylene	Ave	1.643			0.102	0.100		
3-Nitroaniline	Ave	0.2829			0.0738	0.100		
Acenaphthene	Ave	1.024			0.111	0.100		
2,4-Dinitrotoluene	Qua				0.298	0.100		
Dibenzofuran	Ave	1.510			0.107	0.100		
Diethyl phthalate	Ave	1.147			0.109	0.100		
4-Chlorophenyl phenyl ether	Ave	0.6708			0.120	0.100		
Fluorene	Ave	1.204			0.109	0.100		
N-Nitrosodiphenylamine	Ave	0.5419			0.101	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: mdll 1 Calibration Date: 12/29/2012 21:33

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21229025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.8354			0.0887	0.100		
4-Bromophenyl phenyl ether	Ave	0.2319			0.118	0.100		
Hexachlorobenzene	Ave	0.2309			0.124	0.100		
Atrazine	Ave	0.1525			0.0936	0.100		
Phenanthrene	Ave	1.074			0.117	0.100		
Anthracene	Ave	1.072			0.105	0.100		
Carbazole	Ave	1.027			0.101	0.100		
Di-n-butyl phthalate	Ave	1.161			0.105	0.100		
Fluoranthene	Ave	1.179			0.111	0.100		
Pyrene	Ave	1.157			0.113	0.100		
Butyl benzyl phthalate	Ave	0.4697			0.0944	0.100		
Bis(2-ethylhexyl) phthalate	Qua				0.230	0.100		
Benzo[a]anthracene	Ave	1.034			0.127	0.100		
Chrysene	Ave	0.9796			0.121	0.100		
Di-n-octyl phthalate	Qua				0.353	0.100		
Benzo[b]fluoranthene	Ave	1.194			0.123	0.100		
Benzo[k]fluoranthene	Ave	1.281			0.116	0.100		
Benzo[a]pyrene	Ave	1.123			0.0996	0.100		
Indeno[1,2,3-cd]pyrene	Ave	1.191			0.0898	0.100		
Dibenz(a,h)anthracene	Ave	1.014			0.0776	0.100		
Benzo[g,h,i]perylene	Ave	1.044			0.0642	0.100		
1,4-Dioxane	Ave	0.5658			0.000800	0.100		
2,4-Dinitrophenol	Qua				0.00240	0.200		
3,3'-Dichlorobenzidine	Ave	0.3801			0.000800	0.100		
4,6-Dinitro-2-methylphenol	Qua				0.00240	0.100		
4-Nitroaniline	Ave	0.2803			0.000800	0.100		
4-Nitrophenol	Qua				0.00240	0.100		
Benzidine	Qua				0.00240	0.100		
Benzoic acid	Qua				0.0100	0.200		
Caprolactam	Ave	0.0879			0.000800	0.100		
Hexachlorocyclopentadiene	Ave	0.3381			0.000800	0.100		
N-Nitrosodimethylamine	Ave	0.7786			0.000800	0.100		
Pentachlorophenol	Ave	0.1321			0.00240	0.200		
Pyridine	Ave	1.388			0.000800	0.100		
2-Fluorophenol (Surr)	Ave	1.227			0.0441	0.100	44	35-105
Phenol-d5 (Surr)	Ave	1.634			0.0951	0.100	95	40-100
Nitrobenzene-d5 (Surr)	Ave	0.4406			0.0959	0.100	96	35-100

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: mdll 1 Calibration Date: 12/29/2012 21:33

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21229025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
2-Fluorobiphenyl (Surr)	Ave	1.433			0.106	0.100	106*	45-105
2,4,6-Tribromophenol (Surr)	Ave	0.1345			0.0897	0.100	90	35-125
Terphenyl-d14 (Surr)	Ave	0.8184			0.119	0.100	119	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229025.D
Lims ID: mdll 1 Client ID:
Inject. Date: 29-Dec-2012 21:33:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0016274-025
Misc. Info.: MDLL 1
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 70582 Lims Sample ID: 25
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:47:05 Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj Date: 31-Dec-2012 12:32:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.833	5.833	0.0	96	274489	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	100	1105791	4.00	
* 3 Acenaphthene-d10	164	8.433	8.438	-0.005	93	660092	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	1080151	4.00	
* 5 Chrysene-d12	240	12.177	12.182	-0.005	97	1025673	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	91	623556	4.00	
$ 7 2-Fluorophenol	112	4.571	4.577	-0.006	50	3714	0.0441	
$ 8 Phenol-d5	99	5.480	5.480	0.0	85	10662	0.0951	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	80	11680	0.0959	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	95	25052	0.1059	
$ 11 2,4,6-Tribromophenol	330	9.101	9.096	0.005	33	1991	0.0897	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	86	24982	0.1190	
15 Catechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
21 Octachlorostyrene	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
14 4-Methylcatechol	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
24 1,4-Dioxane	88		2.335					
25 N-Nitrosodimethylamine	74		2.779					9
26 Pyridine	79		2.844					9
232 1-Methyl-2-pyrrilidinone	99		3.271					14
27 Ethyl methacrylate	69		3.512					
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54		3.903					
30 2-Picoline	93		3.913					9
31 N-Nitrosomethylethylamine	88		4.053					9
32 Malononitrile	66		4.266					9
33 Acrylamide	71	4.384	4.382	0.002	1	79	0	
34 Methyl methanesulfonate	80		4.400					
29 3-Picoline	93		4.459					
233 n,n'-Dimethylacetamide	44	4.416	4.486	-0.070	0	935	0	
35 N-Nitrosodiethylamine	102		4.817					
36 Ethyl methanesulfonate	79		5.112					9
37 2-Methylcyclohexanone	68	5.320	5.320	0.0	1	73	0	
38 3-Methylcyclohexanone	69	5.368	5.358	0.010	1	472	0	
39 4-Methylcyclohexanone	55	5.411	5.406	0.005	1	1925	0	
40 Benzaldehyde	77	5.443	5.438	0.005	75	10588	0.1193	
41 Phenol	94	5.491	5.491	0.0	73	12490	0.1063	
42 Phenylmercaptan	110		5.500					
43 Aniline	93	5.534	5.529	0.005	90	14444	0.0946	
45 Pentachloroethane	167		5.577					
44 Bis(2-chloroethyl)ether	93	5.587	5.587	0.0	68	12109	0.1063	
46 2-Chlorophenol	128	5.641	5.641	0.0	74	8274	0.0892	
47 1,3-Dichlorobenzene	146	5.785	5.780	0.005	91	12593	0.1046	
48 1,4-Dichlorobenzene	146	5.849	5.850	-0.001	81	10841	0.1085	
49 Benzyl alcohol	108	5.951	5.946	0.005	71	4488	0.0776	
50 1,2-Dichlorobenzene	146	5.983	5.983	0.0	85	12507	0.1085	
51 2-Methylphenol	108	6.042	6.037	0.005	85	8080	0.0958	
52 2,2'-oxybis[1-chloropropane]	45	6.063	6.063	0.0	85	20083	0.1236	
53 Indene	115		6.083					9
55 N-Nitrosopyrrolidine	100		6.160					
191 3 & 4 Methylphenol	108	6.170	6.165	0.005	89	8514	0.0940	
56 N-Nitrosodi-n-propylamine	70	6.181	6.176	0.005	77	6515	0.0962	
57 Acetophenone	105	6.186	6.181	0.005	81	13574	0.1037	
58 N-Nitrosomorpholine	56		6.197					
59 2-Toluidine	106		6.213					9
60 Hexachloroethane	117	6.288	6.288	0.0	79	4576	0.0967	
61 Nitrobenzene	77	6.336	6.336	0.0	81	12635	0.1003	
62 N-Nitrosopiperidine	114		6.465					
63 Isophorone	82	6.539	6.540	-0.001	83	19151	0.1044	
65 2-Nitrophenol	139	6.614	6.614	0.0	69	3686	0.0814	
66 1,3,5-Trichlorobenzene	180	6.620	6.625	-0.005	84	10664	0.1082	
64 2,4-Dimethylphenol	107	6.630	6.630	0.0	66	9101	0.0968	
69 Benzoic acid	122		6.689					
67 o,o',o''-Triethylphosphorothioat	198		6.689					
68 Bis(2-chloroethoxy)methane	93	6.721	6.716	0.005	87	14409	0.1047	
70 alpha,alpha-Dimethyl phenethylam	58		6.791					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.818	6.818	0.0	85	6700	0.0913	
72 1,2,4-Trichlorobenzene	180	6.892	6.893	-0.001	79	10384	0.1055	
73 Naphthalene	128	6.967	6.967	0.0	39	24506	0.0907	
74 4-Chloroaniline	127	7.005	7.000	0.005	72	9173	0.0805	
75 2,6-Dichlorophenol	162		7.010					
76 Hexachloropropene	213		7.042					
77 Hexachlorobutadiene	225	7.064	7.064	0.0	80	5716	0.1070	
78 1,2,3-Trichlorobenzene	180	7.085	7.085	0.0	77	9463	0	
79 Benzothiazole	135		7.206					9
80 Quinoline	129		7.271					
81 N-Nitrosodi-n-butylamine	84		7.272					
83 Caprolactam	113		7.283					9
82 p-Phenylene diamine	108		7.299					9
84 4-Chloro-3-methylphenol	107	7.401	7.395	0.006	79	8235	0.1049	
93 Safrole, Total	162		7.465					
85 2-Methylnaphthalene	142	7.556	7.556	0.0	88	18686	0.1054	
86 1-Methylnaphthalene	142	7.636	7.636	0.0	89	19052	0.1146	
87 1,2,3,5-Tetrachlorobenzene	216	7.679	7.679	0.0	86	10940	0.1154	
88 Hexachlorocyclopentadiene	237		7.684					9
89 1,2,4,5-Tetrachlorobenzene	216		7.690					
225 Isosafrole Peak 1	162		7.711					
90 2,4,6-Trichlorophenol	196	7.786	7.780	0.006	68	4211	0.0811	
91 2,4,5-Trichlorophenol	196	7.818	7.812	0.006	74	4322	0.0762	
227 Isosafrole Peak 2	162		7.904					
94 2,4-Toluene diamine	121		7.925					9
96 1,2,3,4 -Tetrachlorobenzene	216	7.935	7.936	-0.001	80	10742	0	
95 1,1'-Biphenyl	154	7.941	7.941	0.0	92	24031	0.1107	
98 2-Chloronaphthalene	162	7.968	7.968	0.0	68	22057	0.1069	
97 3,4-Dichloronitrobenzene	109		7.993					9
100 2-Nitroaniline	65	8.042	8.042	0.0	52	4546	0.0779	
99 Phenyl ether	170		8.051					
101 1,4-Naphthoquinone	158		8.112					
104 1,3-Dinitrobenzene	168		8.155					
103 Dimethyl phthalate	163	8.181	8.182	-0.001	94	21490	0.1133	
102 1,4-Dinitrobenzene	168		8.214					
105 2,6-Dinitrotoluene	165	8.240	8.240	0.0	61	3676	0.2638	
106 1,2-Dinitrobenzene	168	8.288	8.289	-0.001	72	1640	0.3157	
107 Acenaphthylene	152	8.321	8.321	0.0	89	27681	0.1021	
108 3-Nitroaniline	138	8.395	8.385	0.010	78	3446	0.0738	
110 Acenaphthene	153	8.465	8.465	0.0	85	18685	0.1106	
109 2,4-Dinitrophenol	184		8.470					
111 4-Nitrophenol	109		8.502					9
113 Pentachlorobenzene	250		8.572					
112 2,4-Dinitrotoluene	165	8.583	8.577	0.006	56	4742	0.2978	
114 Dibenzofuran	168	8.609	8.609	0.0	80	26611	0.1068	
115 2,3,5,6-Tetrachlorophenol	232		8.668					9
116 1-Naphthylamine	143		8.668					
117 2,3,4,6-Tetrachlorophenol	232		8.701					9
118 2-Naphthylamine	143		8.738					
119 Diethyl phthalate	149	8.764	8.770	-0.006	91	20695	0.1093	
120 Thionazin	97		8.840					
121 4-Chlorophenyl phenyl ether	204	8.882	8.882	0.0	90	13339	0.1205	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
122 N-Nitro-o-toluidine	152		8.893					
123 4-Nitroaniline	138		8.898					
124 Fluorene	166	8.898	8.898	0.0	84	21688	0.1091	
126 4,6-Dinitro-2-methylphenol	198		8.920					9
125 Tributyl phosphate	99		8.936					9
130 N-Nitrosodiphenylamine	169	8.978	8.978	0.0	0	14795	0.1011	
128 Diphenylamine	169	8.978	8.979	-0.001	81	14795	0.0911	
131 Azobenzene	77	9.016	9.016	0.0	93	20000	0.0887	
129 1,2-Diphenylhydrazine	77	9.016	9.016	0.0	0	20000	0.0887	
132 Sulfotepp	202		9.091					9
133 1,3,5-Trinitrobenzene	213		9.182					
228 Diallate Peak 1	86		9.214					
135 Phenacetin	108		9.219					9
136 Phorate	121		9.225					
230 Diallate Peak 2	86		9.294					
137 4-Bromophenyl phenyl ether	248	9.299	9.299	0.0	52	7382	0.1179	
139 Hexachlorobenzene	284	9.358	9.358	0.0	75	7744	0.1242	
138 Dimethoate	87		9.369					
140 Atrazine	200	9.412	9.412	0.0	62	3857	0.0936	
127 4-Aminobiphenyl	169		9.514					9
141 Pentachlorophenol	266		9.519					9
143 Pentachloronitrobenzene	237		9.530					
142 Pronamide	173		9.546					
145 Dinoseb	211		9.653					
144 Disulfoton	88		9.658					9
146 Phenanthrene	178	9.706	9.711	-0.005	81	34040	0.1174	
147 Anthracene	178	9.754	9.754	0.0	89	30451	0.1052	
148 DFTPP								
149 Carbazole	167	9.877	9.877	0.0	75	27886	0.1005	
150 Methyl parathion	109		9.979					
151 Di-n-butyl phthalate	149	10.134	10.134	0.0	95	32800	0.1046	
152 Diphenylsulfone	125		10.175					
153 Ethyl Parathion	97		10.300					9
154 4-Nitroquinoline-1-oxide	190		10.353					
155 Methapyrilene	58		10.396					9
156 Isodrin	66		10.583					
157 Fluoranthene	202	10.711	10.711	0.0	95	35237	0.1107	
158 Benzidine	184		10.808					9
160 Pyrene	202	10.909	10.915	-0.006	94	33587	0.1132	
164 4,4'-DDE	246		10.973					
226 Aramite Peak 1	185		10.984					
229 Aramite Peak 2	185		11.054					
161 p-Dimethylamino azobenzene	225		11.156					
162 Chlorobenzilate	139		11.188					9
163 4,4'-DDD	235		11.332					9
165 Famphur	218		11.439					
166 Butyl benzyl phthalate	149	11.492	11.487	0.005	74	11366	0.0944	
167 3,3'-Dimethylbenzidine	212		11.492					
168 4,4'-DDT	235		11.610					
169 2-Acetylaminofluorene	181		11.771					9
170 3,3'-Dimethoxybenzidine	244		12.081					9
173 3,3'-Dichlorobenzidine	252		12.118					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231		12.118					9
171 Bis(2-ethylhexyl) phthalate	149	12.134	12.140	-0.006	88	16210	0.2296	
175 Benzo[a]anthracene	228	12.166	12.166	0.0	59	33587	0.1267	
176 Chrysene	228	12.209	12.214	-0.005	71	30425	0.1211	
174 Hexabromobenzene	232		12.239					
177 6-Methylchrysene	242		12.839					
178 Di-n-octyl phthalate	149	13.011	13.017	-0.006	62	18794	0.3529	
179 7,12-Dimethylbenz(a)anthracene	256		13.611					
180 Benzo[b]fluoranthene	252	13.632	13.632	0.0	81	22827	0.1226	
181 Benzo[k]fluoranthene	252	13.664	13.669	-0.005	61	23094	0.1156	
182 Benzo[a]pyrene	252	14.113	14.119	-0.006	62	17431	0.0996	
183 3-Methylcholanthrene	268		14.637					
184 Dibenz[a,j]acridine	279		15.524					
185 Dibenz[a,h]acridine	279		15.593					
186 Indeno[1,2,3-cd]pyrene	276	15.814	15.814	0.0	64	16675	0.0898	M
187 Dibenz(a,h)anthracene	278	15.846	15.841	0.005	0	12260	0.0776	M
188 Benzo[g,h,i]perylene	276	16.226	16.231	-0.005	52	10438	0.0642	
S 189 Methyl Phenols,Total	100				0		0.0958	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 231 2,3,7,8-TCDD	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.052	3.050	0.002	1	425	0	
T 194 Octadecane (TIC)	254	14.338	6.300	8.038	80	57906	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

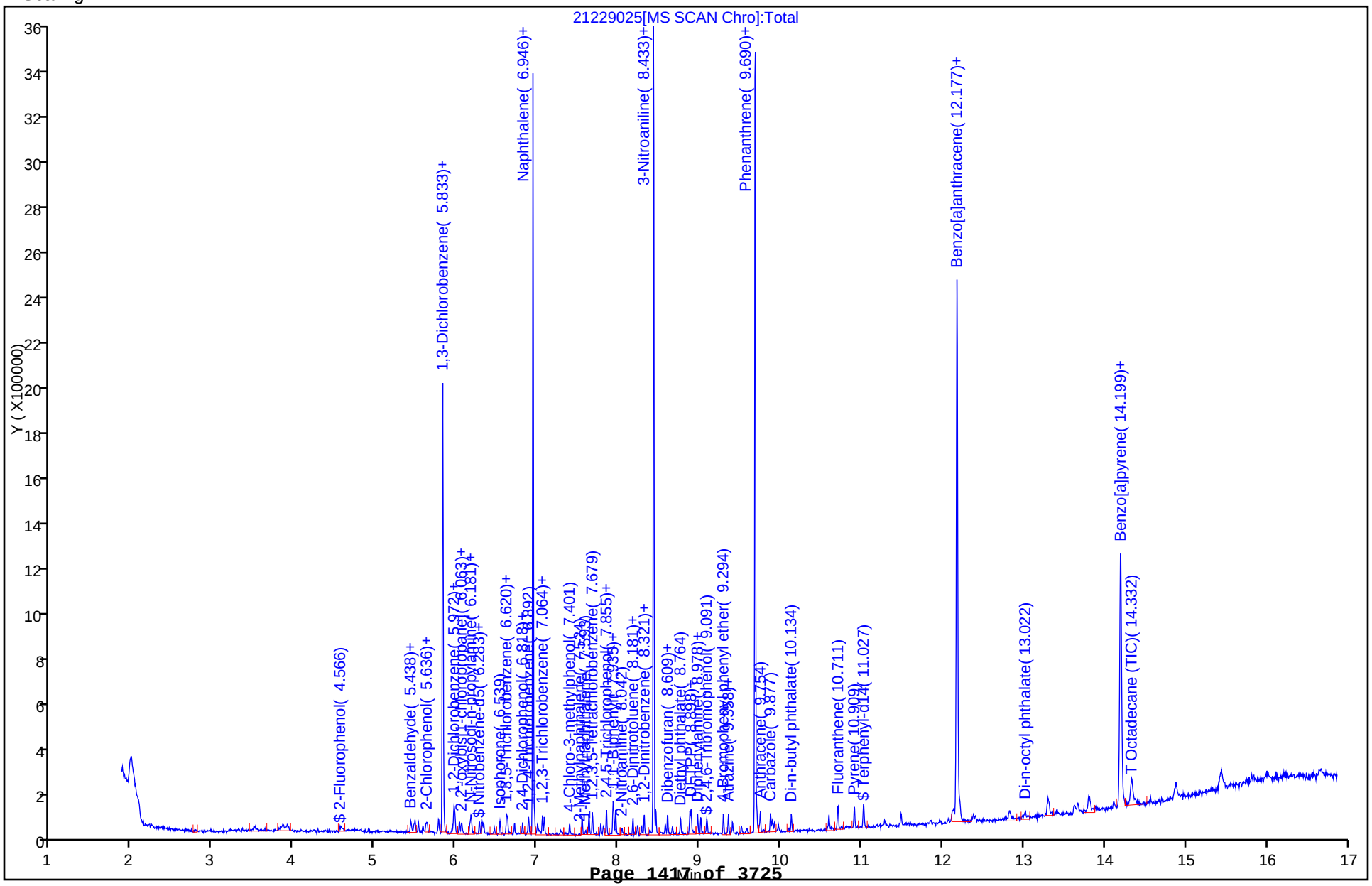
Review Flags
M - Manually Integrated

Report Date: 31-Dec-2012 12:55:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229025.D		
Injection Date:	29-Dec-2012 21:33:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	25
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

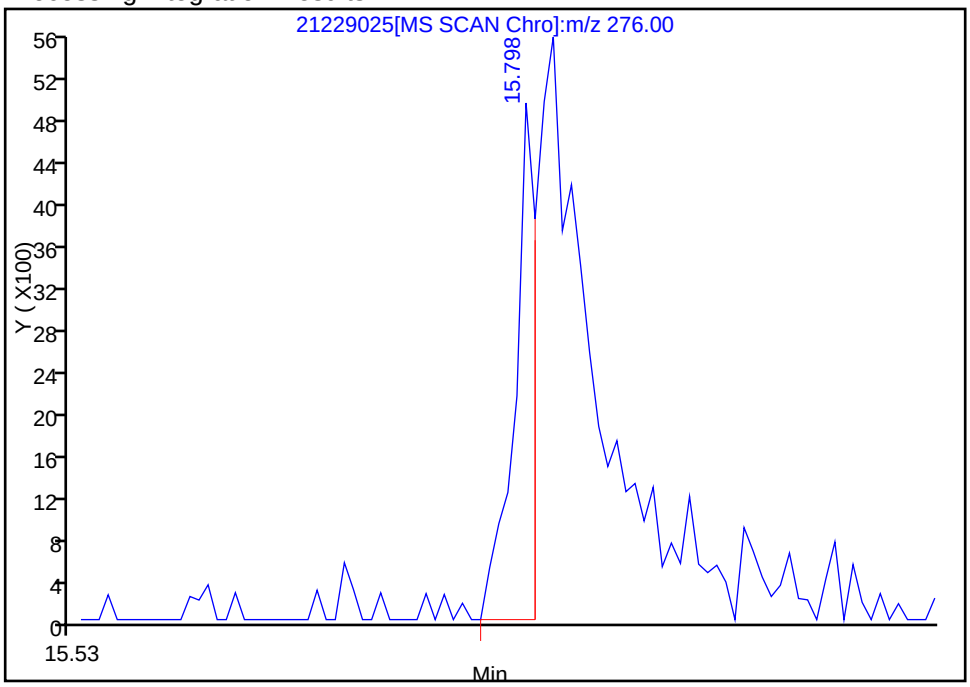
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229025.D		
Injection Date:	29-Dec-2012 21:33:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	25
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 15.81

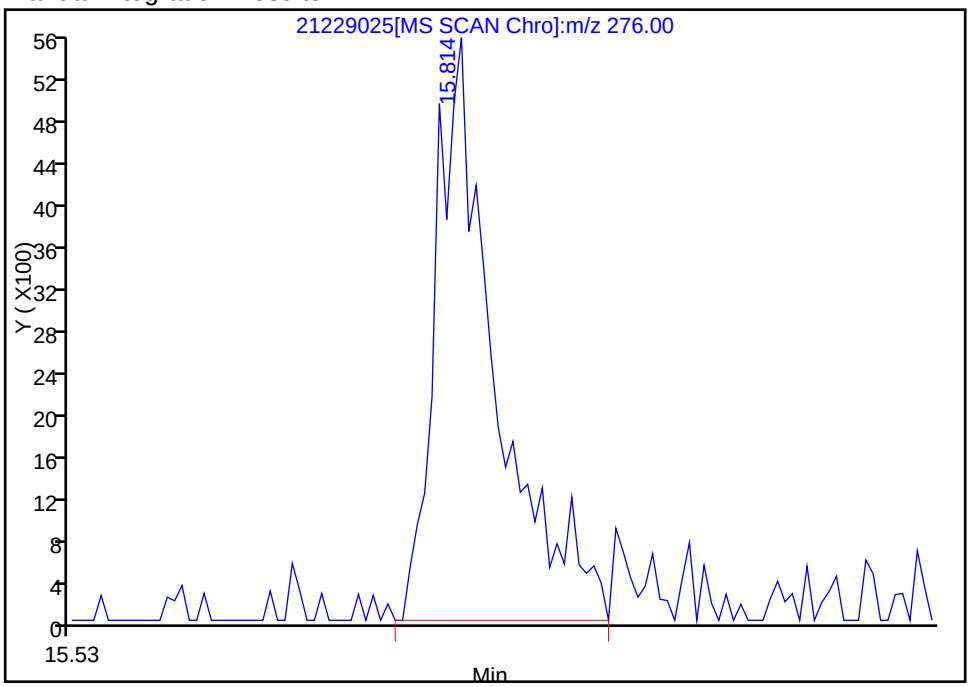
Processing Integration Results

RT: 15.80
Response: 4304
Amount: 0.023173



Manual Integration Results

RT: 15.81
Response: 16675
Amount: 0.089779



Reviewer: gruberj, 31-Dec-2012 12:32:31
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

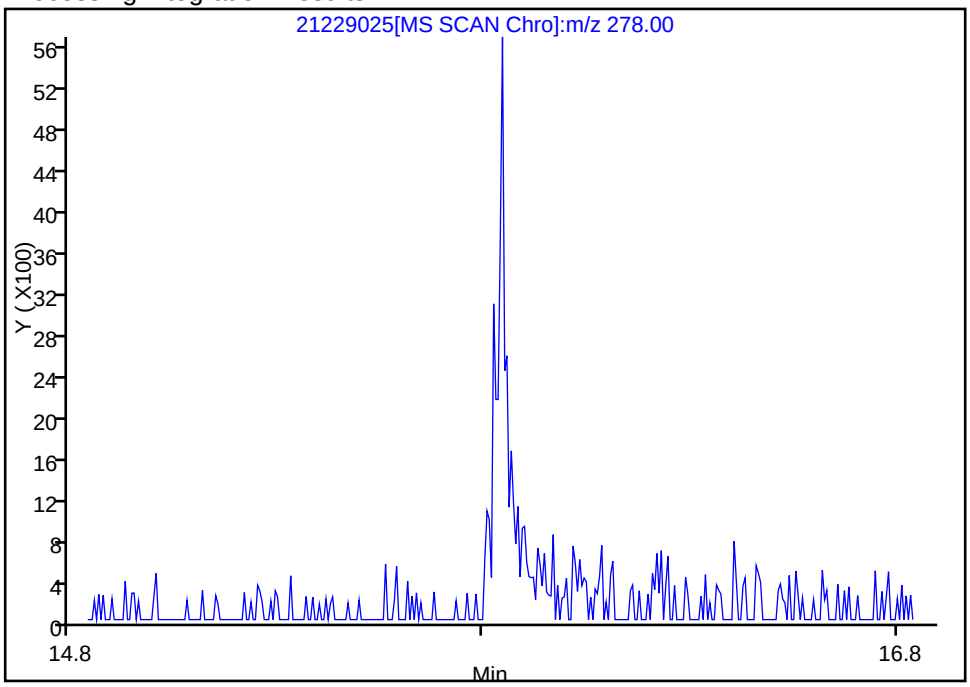
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229025.D		
Injection Date:	29-Dec-2012 21:33:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	25
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

187 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 15.84

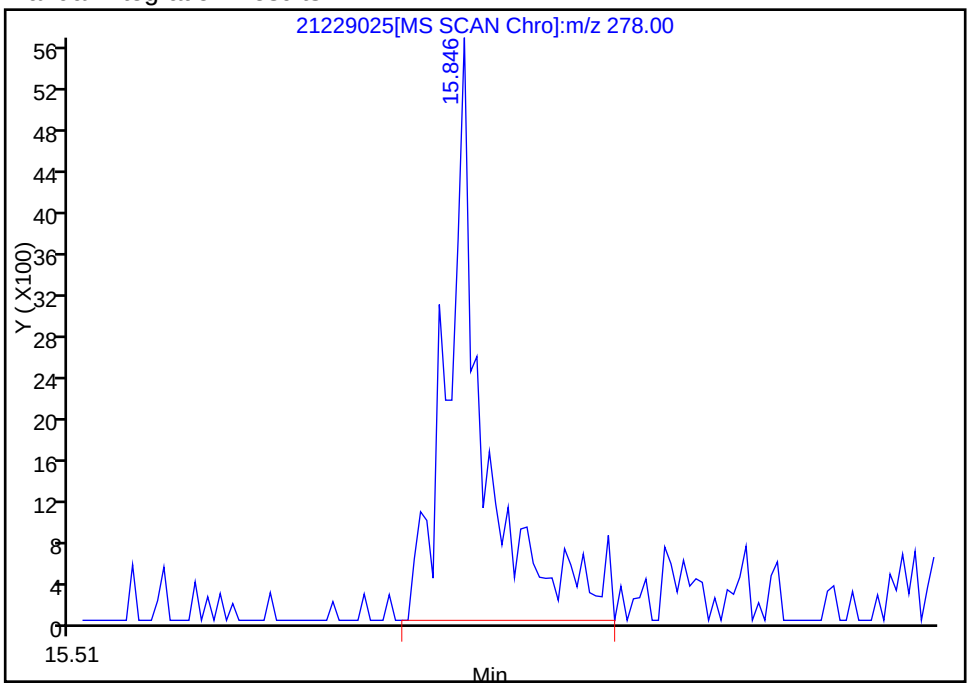
Processing Integration Results

Not Detected
Expected RT: 15.84



Manual Integration Results

RT: 15.85
Response: 12260
Amount: 0.077550



Reviewer: gruberj, 31-Dec-2012 12:32:31
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: mdll 2 Calibration Date: 12/29/2012 21:57

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21229026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5658			0.279	0.500		
Pyridine	Ave	1.388			0.192	0.500		
Benzaldehyde	Ave	1.293			0.539	0.500		
Phenol	Ave	1.712			0.476	0.500		
Aniline	Ave	2.224			0.486	0.500		
Bis(2-chloroethyl)ether	Ave	1.661			0.531	0.500		
2-Chlorophenol	Ave	1.352			0.489	0.500		
1,3-Dichlorobenzene	Ave	1.754			0.526	0.500		
1,4-Dichlorobenzene	Ave	1.456			0.523	0.500		
Benzyl alcohol	Ave	0.8431			0.503	0.500		
1,2-Dichlorobenzene	Ave	1.680			0.510	0.500		
2-Methylphenol	Ave	1.229			0.525	0.500		
3 & 4 Methylphenol	Ave	1.320			0.479	0.500		
N-Nitrosodi-n-propylamine	Ave	0.9869			0.489	0.500		
Acetophenone	Ave	1.907			0.476	0.500		
Hexachloroethane	Ave	0.6897			0.479	0.500		
Nitrobenzene	Ave	0.4559			0.483	0.500		
Isophorone	Ave	0.6634			0.480	0.500		
2-Nitrophenol	Ave	0.1637			0.411	0.500		
2,4-Dimethylphenol	Ave	0.3402			0.519	0.500		
Benzoic acid	Qua				1.22	1.00		
Bis(2-chloroethoxy)methane	Ave	0.4978			0.479	0.500		
2,4-Dichlorophenol	Ave	0.2655			0.437	0.500		
1,2,4-Trichlorobenzene	Ave	0.3560			0.517	0.500		
Naphthalene	Ave	0.9776			0.530	0.500		
Hexachlorobutadiene	Ave	0.1932			0.491	0.500		
Caprolactam	Ave	0.0879			0.356	0.500		
4-Chloro-3-methylphenol	Ave	0.2840			0.443	0.500		
2-Methylnaphthalene	Ave	0.6414			0.465	0.500		
Hexachlorocyclopentadiene	Ave	0.3381			0.161	0.500		
2,4,6-Trichlorophenol	Ave	0.3147			0.461	0.500		
2,4,5-Trichlorophenol	Ave	0.3437			0.484	0.500		
1,1'-Biphenyl	Ave	1.316			0.494	0.500		
2-Chloronaphthalene	Ave	1.250			0.500	0.500		
2-Nitroaniline	Ave	0.3538			0.407	0.500		
Dimethyl phthalate	Ave	1.149			0.497	0.500		
2,6-Dinitrotoluene	Qua				0.595	0.500		
Acenaphthylene	Ave	1.643			0.489	0.500		
3-Nitroaniline	Ave	0.2829			0.397	0.500		
Acenaphthene	Ave	1.024			0.474	0.500		
2,4-Dinitrophenol	Qua				1.33	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: mdll 2 Calibration Date: 12/29/2012 21:57

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21229026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Qua				0.380	0.500		
2,4-Dinitrotoluene	Qua				0.585	0.500		
Dibenzofuran	Ave	1.510			0.472	0.500		
Diethyl phthalate	Ave	1.147			0.484	0.500		
4-Chlorophenyl phenyl ether	Ave	0.6708			0.469	0.500		
4-Nitroaniline	Ave	0.2803			0.335	0.500		
Fluorene	Ave	1.204			0.500	0.500		
4,6-Dinitro-2-methylphenol	Qua				0.841	0.500		
N-Nitrosodiphenylamine	Ave	0.5419			0.485	0.500		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.8354			0.466	0.500		
4-Bromophenyl phenyl ether	Ave	0.2319			0.482	0.500		
Hexachlorobenzene	Ave	0.2309			0.533	0.500		
Atrazine	Ave	0.1525			0.394	0.500		
Pentachlorophenol	Ave	0.1321			0.420	1.00		
Phenanthrene	Ave	1.074			0.488	0.500		
Anthracene	Ave	1.072			0.482	0.500		
Carbazole	Ave	1.027			0.439	0.500		
Di-n-butyl phthalate	Ave	1.161			0.457	0.500		
Fluoranthene	Ave	1.179			0.456	0.500		
Benzidine	Qua				0.611	0.500		
Pyrene	Ave	1.157			0.518	0.500		
Butyl benzyl phthalate	Ave	0.4697			0.416	0.500		
3,3'-Dichlorobenzidine	Ave	0.3801			0.310	0.500		
Bis(2-ethylhexyl) phthalate	Qua				0.569	0.500		
Benzo[a]anthracene	Ave	1.034			0.475	0.500		
Chrysene	Ave	0.9796			0.509	0.500		
Di-n-octyl phthalate	Qua				0.651	0.500		
Benzo[b]fluoranthene	Ave	1.194			0.454	0.500		
Benzo[k]fluoranthene	Ave	1.281			0.534	0.500		
Benzo[a]pyrene	Ave	1.123			0.420	0.500		
Indeno[1,2,3-cd]pyrene	Ave	1.191			0.278	0.500		
Dibenz(a,h)anthracene	Ave	1.014			0.232	0.500		
Benzo[g,h,i]perylene	Ave	1.044			0.252	0.500		
N-Nitrosodimethylamine	Ave	0.7786			0.000800	0.500		
2-Fluorophenol (Surr)	Ave	1.227			0.468	0.500	94	35-105
Phenol-d5 (Surr)	Ave	1.634			0.500	0.500	100	40-100
Nitrobenzene-d5 (Surr)	Ave	0.4406			0.503	0.500	101*	35-100
2-Fluorobiphenyl (Surr)	Ave	1.433			0.498	0.500	100	45-105
2,4,6-Tribromophenol (Surr)	Ave	0.1345			0.333	0.500	67	35-125
Terphenyl-d14 (Surr)	Ave	0.8184			0.502	0.500	100	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229026.D
Lims ID: mdll 2 Client ID:
Inject. Date: 29-Dec-2012 21:57:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0016274-026
Misc. Info.: MDLL 2
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 70582 Lims Sample ID: 26
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:47:05 Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj Date: 31-Dec-2012 12:29:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.833	0.001	97	248182	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	1000743	4.00	
* 3 Acenaphthene-d10	164	8.433	8.438	-0.005	92	614288	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	1015508	4.00	
* 5 Chrysene-d12	240	12.177	12.182	-0.005	94	973962	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	91	575362	4.00	
$ 7 2-Fluorophenol	112	4.571	4.577	-0.006	87	35658	0.4683	
$ 8 Phenol-d5	99	5.481	5.480	0.001	95	50675	0.4999	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	91	55401	0.5026	
$ 10 2-Fluorobiphenyl (Surr)	172	7.850	7.855	-0.005	98	109679	0.4982	
$ 11 2,4,6-Tribromophenol	330	9.102	9.096	0.006	67	6870	0.3326	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	96	100078	0.5022	
15 Catechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
21 Octachlorostyrene	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
14 4-Methylcatechol	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
24 1,4-Dioxane	88	2.346	2.335	0.011	53	9799	0.2791	
25 N-Nitrosodimethylamine	74		2.779					24
26 Pyridine	79	2.892	2.844	0.048	68	16495	0.1915	
232 1-Methyl-2-pyrrilidinone	99		3.271					
27 Ethyl methacrylate	69	3.512	3.512	0.0	72	6410	0.0912	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.919	3.903	0.016	76	29693	0.4443	
30 2-Picoline	93		3.913					
31 N-Nitrosomethylethylamine	88		4.053					
32 Malononitrile	66		4.266					
33 Acrylamide	71	4.315	4.382	-0.067	1	148	0	
34 Methyl methanesulfonate	80		4.400					
29 3-Picoline	93		4.459					
233 n,n'-Dimethylacetamide	44	4.491	4.486	0.005	0	688	0	
35 N-Nitrosodiethylamine	102		4.817					
36 Ethyl methanesulfonate	79		5.112					
37 2-Methylcyclohexanone	68	5.336	5.320	0.016	1	252	0	
38 3-Methylcyclohexanone	69	5.347	5.358	-0.011	1	211	0	
39 4-Methylcyclohexanone	55	5.422	5.406	0.016	1	1308	0	
40 Benzaldehyde	77	5.438	5.438	0.0	90	43212	0.5387	
41 Phenol	94	5.491	5.491	0.0	96	50591	0.4764	
42 Phenylmercaptan	110		5.500					
43 Aniline	93	5.534	5.529	0.005	93	67103	0.4863	
45 Pentachloroethane	167		5.577					
44 Bis(2-chloroethyl)ether	93	5.588	5.587	0.001	91	54755	0.5314	
46 2-Chlorophenol	128	5.641	5.641	0.0	94	41026	0.4891	
47 1,3-Dichlorobenzene	146	5.780	5.780	0.0	92	57243	0.5259	
48 1,4-Dichlorobenzene	146	5.850	5.850	0.0	88	47244	0.5228	
49 Benzyl alcohol	108	5.946	5.946	0.0	86	26324	0.5032	
50 1,2-Dichlorobenzene	146	5.983	5.983	0.0	90	53183	0.5102	
51 2-Methylphenol	108	6.037	6.037	0.0	91	40055	0.5254	
52 2,2'-oxybis[1-chloropropane]	45	6.064	6.063	0.001	87	79754	0.5429	
53 Indene	115		6.083					9
55 N-Nitrosopyrrolidine	100		6.160					
191 3 & 4 Methylphenol	108	6.171	6.165	0.006	97	39181	0.4786	
56 N-Nitrosodi-n-propylamine	70	6.176	6.176	0.0	86	29971	0.4895	
57 Acetophenone	105	6.187	6.181	0.006	91	56325	0.4760	
58 N-Nitrosomorpholine	56		6.197					
59 2-Toluidine	106		6.213					
60 Hexachloroethane	117	6.283	6.288	-0.005	88	20498	0.4790	
61 Nitrobenzene	77	6.336	6.336	0.0	90	55115	0.4833	
62 N-Nitrosopiperidine	114		6.465					
63 Isophorone	82	6.540	6.540	0.0	96	79605	0.4796	
65 2-Nitrophenol	139	6.615	6.614	0.001	86	16825	0.4107	
66 1,3,5-Trichlorobenzene	180	6.620	6.625	-0.005	92	45730	0.5129	
64 2,4-Dimethylphenol	107	6.631	6.630	0.001	83	44155	0.5188	
69 Benzoic acid	122	6.657	6.689	-0.032	76	6141	1.22	
67 o,o',o''-Triethylphosphorothioat	198		6.689					
68 Bis(2-chloroethoxy)methane	93	6.716	6.716	0.0	94	59618	0.4787	
70 alpha,alpha-Dimethyl phenethylam	58		6.791					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.818	6.818	0.0	92	29021	0.4369	
72 1,2,4-Trichlorobenzene	180	6.893	6.893	0.0	91	46085	0.5175	
73 Naphthalene	128	6.968	6.967	0.001	69	129646	0.5301	
74 4-Chloroaniline	127	7.000	7.000	0.0	85	47617	0.4615	
75 2,6-Dichlorophenol	162		7.010					
76 Hexachloropropene	213		7.042					
77 Hexachlorobutadiene	225	7.064	7.064	0.0	92	23723	0.4908	
78 1,2,3-Trichlorobenzene	180	7.085	7.085	0.0	88	45644	0	
79 Benzothiazole	135		7.206					9
80 Quinoline	129		7.271					
81 N-Nitrosodi-n-butylamine	84		7.272					
83 Caprolactam	113	7.278	7.283	-0.005	66	7836	0.3564	
82 p-Phenylene diamine	108		7.299					9
84 4-Chloro-3-methylphenol	107	7.395	7.395	0.0	88	31463	0.4428	
93 Safrole, Total	162		7.465					
85 2-Methylnaphthalene	142	7.551	7.556	-0.005	90	74536	0.4645	
86 1-Methylnaphthalene	142	7.636	7.636	0.0	80	77401	0.5145	
87 1,2,3,5-Tetrachlorobenzene	216	7.679	7.679	0.0	92	44175	0.5007	
88 Hexachlorocyclopentadiene	237	7.679	7.684	-0.005	52	8360	0.1610	
89 1,2,4,5-Tetrachlorobenzene	216		7.690					
225 Isosafrole Peak 1	162		7.711					
90 2,4,6-Trichlorophenol	196	7.781	7.780	0.001	91	22280	0.4610	
91 2,4,5-Trichlorophenol	196	7.813	7.812	0.001	88	25547	0.4840	
227 Isosafrole Peak 2	162		7.904					
94 2,4-Toluene diamine	121	7.925	7.925	0.0	93	20113	0.4226	
96 1,2,3,4 -Tetrachlorobenzene	216	7.936	7.936	0.0	85	42118	0	
95 1,1'-Biphenyl	154	7.941	7.941	0.0	94	99732	0.4936	
98 2-Chloronaphthalene	162	7.968	7.968	0.0	94	96018	0.5002	
97 3,4-Dichloronitrobenzene	109		7.993					9
100 2-Nitroaniline	65	8.043	8.042	0.001	64	22123	0.4072	
99 Phenyl ether	170		8.051					
101 1,4-Naphthoquinone	158		8.112					
104 1,3-Dinitrobenzene	168		8.155					
103 Dimethyl phthalate	163	8.182	8.182	0.0	97	87640	0.4967	
102 1,4-Dinitrobenzene	168		8.214					
105 2,6-Dinitrotoluene	165	8.235	8.240	-0.005	78	18009	0.5947	
106 1,2-Dinitrobenzene	168	8.283	8.289	-0.006	80	9258	0.6499	
107 Acenaphthylene	152	8.321	8.321	0.0	91	123481	0.4893	
108 3-Nitroaniline	138	8.385	8.385	0.0	92	17239	0.3968	
110 Acenaphthene	153	8.465	8.465	0.0	94	74533	0.4740	
109 2,4-Dinitrophenol	184	8.476	8.470	0.006	1	2689	1.33	
111 4-Nitrophenol	109	8.508	8.502	0.006	82	5271	0.3797	
113 Pentachlorobenzene	250		8.572					
112 2,4-Dinitrotoluene	165	8.577	8.577	0.0	78	22008	0.5852	
114 Dibenzofuran	168	8.610	8.609	0.001	85	109437	0.4719	
115 2,3,5,6-Tetrachlorophenol	232	8.668	8.668	0.0	85	14063	0.3359	
116 1-Naphthylamine	143		8.668					
117 2,3,4,6-Tetrachlorophenol	232		8.701					
118 2-Naphthylamine	143		8.738					
119 Diethyl phthalate	149	8.770	8.770	0.0	96	85334	0.4844	
120 Thionazin	97		8.840					9
121 4-Chlorophenyl phenyl ether	204	8.882	8.882	0.0	97	48298	0.4688	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
122 N-Nitro-o-toluidine	152		8.893					9
123 4-Nitroaniline	138	8.898	8.898	0.0	40	14416	0.3349	
124 Fluorene	166	8.898	8.898	0.0	89	92483	0.5001	
126 4,6-Dinitro-2-methylphenol	198	8.920	8.920	0.0	1	3717	0.8414	
125 Tributyl phosphate	99		8.936					9
130 N-Nitrosodiphenylamine	169	8.979	8.978	0.001	0	66680	0.4847	
128 Diphenylamine	169	8.979	8.979	0.0	87	66680	0.4366	
131 Azobenzene	77	9.016	9.016	0.0	97	98890	0.4663	
129 1,2-Diphenylhydrazine	77	9.016	9.016	0.0	0	98890	0.4663	
132 Sulfotepp	202	9.091	9.091	0.0	69	8942	0.4387	
133 1,3,5-Trinitrobenzene	213		9.182					
228 Diallate Peak 1	86		9.214					
135 Phenacetin	108		9.219					
136 Phorate	121		9.225					
230 Diallate Peak 2	86		9.294					
137 4-Bromophenyl phenyl ether	248	9.300	9.299	0.001	62	28376	0.4819	
139 Hexachlorobenzene	284	9.358	9.358	0.0	84	31211	0.5325	
138 Dimethoate	87		9.369					9
140 Atrazine	200	9.407	9.412	-0.005	73	15274	0.3944	
127 4-Aminobiphenyl	169		9.514					9
141 Pentachlorophenol	266	9.519	9.519	0.0	83	14093	0.4201	
143 Pentachloronitrobenzene	237		9.530					9
142 Pronamide	173		9.546					
145 Dinoseb	211		9.653					
144 Disulfoton	88		9.658					9
146 Phenanthrene	178	9.706	9.711	-0.005	93	133091	0.4882	
147 Anthracene	178	9.754	9.754	0.0	96	131154	0.4819	
148 DFTPP								
149 Carbazole	167	9.877	9.877	0.0	82	114580	0.4394	
150 Methyl parathion	109		9.979					9
151 Di-n-butyl phthalate	149	10.134	10.134	0.0	99	134582	0.4566	
152 Diphenylsulfone	125		10.175					
153 Ethyl Parathion	97		10.300					9
154 4-Nitroquinoline-1-oxide	190		10.353					
155 Methapyrilene	58		10.396					9
156 Isodrin	66		10.583					
157 Fluoranthene	202	10.706	10.711	-0.005	98	136539	0.4563	
158 Benzidine	184	10.808	10.808	0.0	77	13963	0.6107	
160 Pyrene	202	10.915	10.915	0.0	96	145936	0.5179	
164 4,4'-DDE	246		10.973					9
226 Aramite Peak 1	185		10.984					
229 Aramite Peak 2	185		11.054					
161 p-Dimethylamino azobenzene	225		11.156					
162 Chlorobenzilate	139		11.188					9
163 4,4'-DDD	235		11.332					9
165 Famphur	218		11.439					
166 Butyl benzyl phthalate	149	11.487	11.487	0.0	92	47582	0.4161	
167 3,3'-Dimethylbenzidine	212		11.492					
168 4,4'-DDT	235		11.610					9
169 2-Acetylaminofluorene	181		11.771					
170 3,3'-Dimethoxybenzidine	244	12.076	12.081	-0.005	60	6975	0.7908	
173 3,3'-Dichlorobenzidine	252	12.113	12.118	-0.005	69	28706	0.3102	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	12.113	12.118	-0.005	67	12188	0.4420	
171 Bis(2-ethylhexyl) phthalate	149	12.134	12.140	-0.006	96	71476	0.5689	
175 Benzo[a]anthracene	228	12.166	12.166	0.0	95	119578	0.4749	
176 Chrysene	228	12.209	12.214	-0.005	92	121524	0.5095	
174 Hexabromobenzene	232		12.239					
177 6-Methylchrysene	242		12.839					
178 Di-n-octyl phthalate	149	13.017	13.017	0.0	94	75697	0.6509	
179 7,12-Dimethylbenz(a)anthracene	256		13.611					
180 Benzo[b]fluoranthene	252	13.632	13.632	0.0	89	77974	0.4538	
181 Benzo[k]fluoranthene	252	13.669	13.669	0.0	89	98371	0.5338	
182 Benzo[a]pyrene	252	14.119	14.119	0.0	66	67805	0.4198	
183 3-Methylcholanthrene	268		14.637					9
184 Dibenz[a,j]acridine	279		15.524					
185 Dibenz[a,h]acridine	279		15.593					
186 Indeno[1,2,3-cd]pyrene	276	15.809	15.814	-0.005	94	47687	0.2783	M
187 Dibenz(a,h)anthracene	278	15.836	15.841	-0.005	60	33887	0.2323	
188 Benzo[g,h,i]perylene	276	16.226	16.231	-0.005	85	37765	0.2516	
S 189 Methyl Phenols,Total	100				0		0.5254	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 231 2,3,7,8-TCDD	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.052	3.050	0.002	1	79	0	
T 194 Octadecane (TIC)	254	13.814	6.300	7.514	86	25405	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

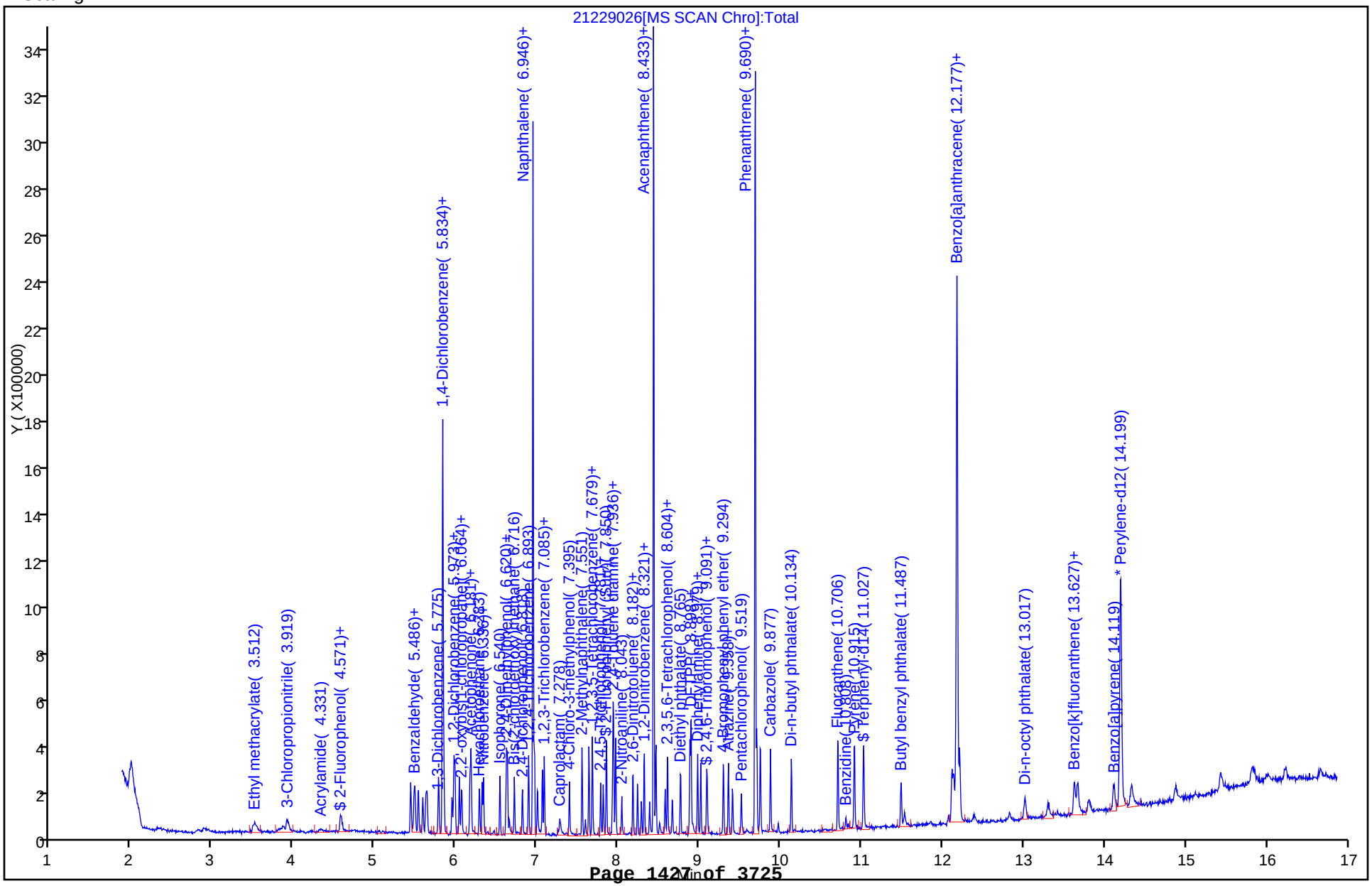
Report Date: 31-Dec-2012 12:55:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229026.D

Injection Date:	29-Dec-2012 21:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	26
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

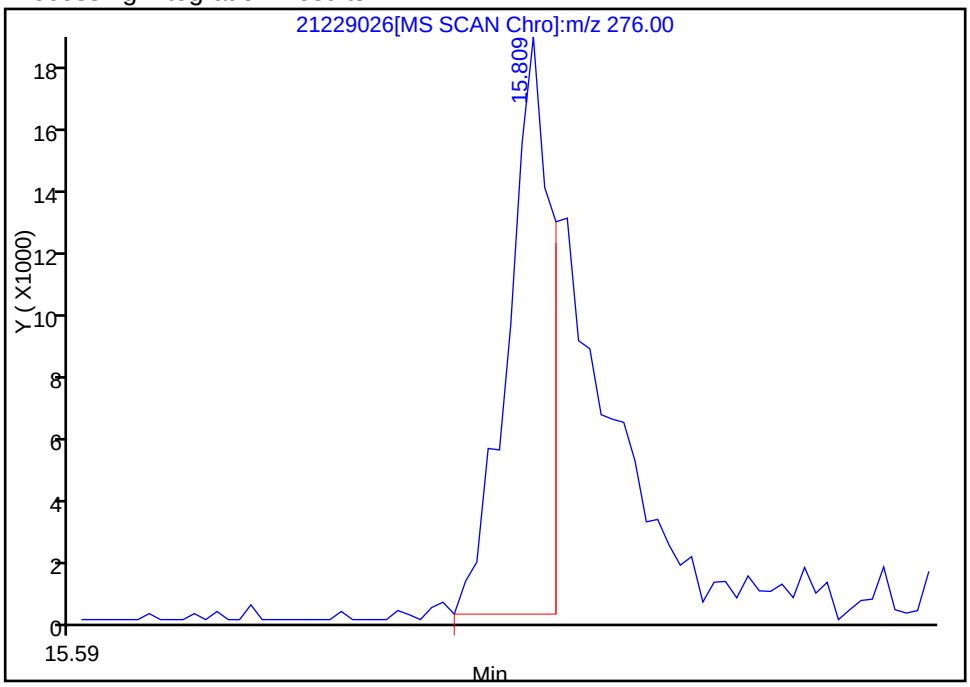
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229026.D		
Injection Date:	29-Dec-2012 21:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	26
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 15.81

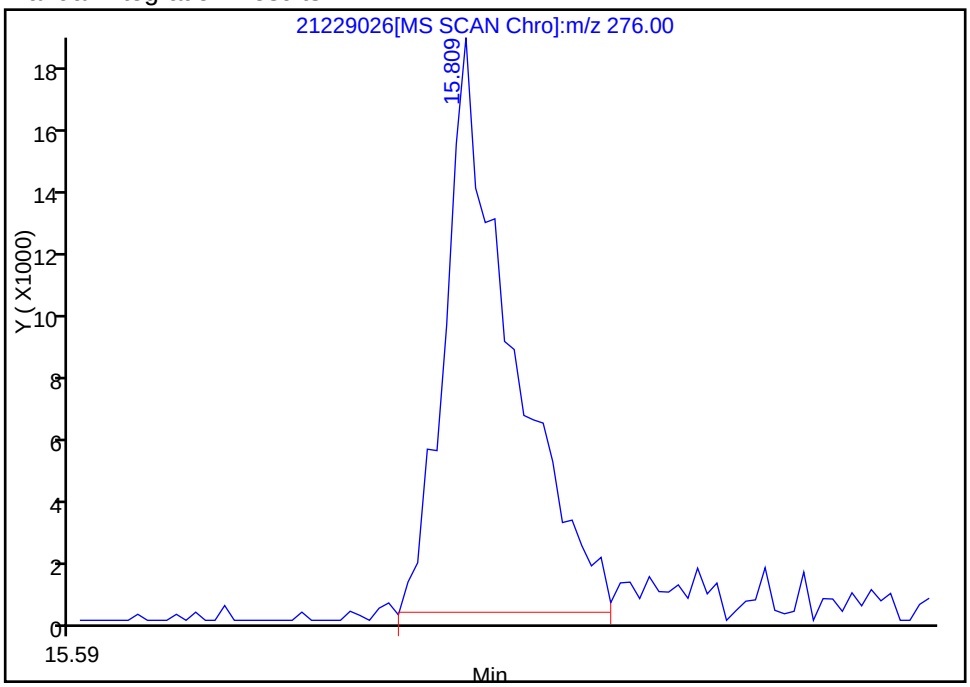
Processing Integration Results

RT: 15.81
Response: 26896
Amount: 0.156938



Manual Integration Results

RT: 15.81
Response: 47687
Amount: 0.278254



Reviewer: gruberj, 31-Dec-2012 12:29:58
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: mdll 3 Calibration Date: 12/29/2012 22:20

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21229027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5658			0.969	1.00		
Pyridine	Ave	1.388			0.700	1.00		
Benzaldehyde	Ave	1.293			1.10	1.00		
Phenol	Ave	1.712			1.02	1.00		
Aniline	Ave	2.224			0.955	1.00		
Bis(2-chloroethyl)ether	Ave	1.661			1.04	1.00		
2-Chlorophenol	Ave	1.352			0.985	1.00		
1,3-Dichlorobenzene	Ave	1.754			0.982	1.00		
1,4-Dichlorobenzene	Ave	1.456			1.03	1.00		
Benzyl alcohol	Ave	0.8431			0.981	1.00		
1,2-Dichlorobenzene	Ave	1.680			0.993	1.00		
2-Methylphenol	Ave	1.229			1.04	1.00		
3 & 4 Methylphenol	Ave	1.320			0.963	1.00		
N-Nitrosodi-n-propylamine	Ave	0.9869			0.993	1.00		
Acetophenone	Ave	1.907			1.04	1.00		
Hexachloroethane	Ave	0.6897			0.996	1.00		
Nitrobenzene	Ave	0.4559			0.986	1.00		
Isophorone	Ave	0.6634			0.971	1.00		
2-Nitrophenol	Ave	0.1637			0.840	1.00		
2,4-Dimethylphenol	Ave	0.3402			0.993	1.00		
Benzoic acid	Qua				1.68	2.00		
Bis(2-chloroethoxy)methane	Ave	0.4978			0.980	1.00		
2,4-Dichlorophenol	Ave	0.2655			0.986	1.00		
1,2,4-Trichlorobenzene	Ave	0.3560			1.05	1.00		
Naphthalene	Ave	0.9776			1.02	1.00		
Hexachlorobutadiene	Ave	0.1932			1.01	1.00		
Caprolactam	Ave	0.0879			0.869	1.00		
4-Chloro-3-methylphenol	Ave	0.2840			0.948	1.00		
2-Methylnaphthalene	Ave	0.6414			0.976	1.00		
Hexachlorocyclopentadiene	Ave	0.3381			0.444	1.00		
2,4,6-Trichlorophenol	Ave	0.3147			0.945	1.00		
2,4,5-Trichlorophenol	Ave	0.3437			0.971	1.00		
1,1'-Biphenyl	Ave	1.316			0.982	1.00		
2-Chloronaphthalene	Ave	1.250			0.996	1.00		
2-Nitroaniline	Ave	0.3538			0.936	1.00		
Dimethyl phthalate	Ave	1.149			1.04	1.00		
2,6-Dinitrotoluene	Qua				1.11	1.00		
Acenaphthylene	Ave	1.643			1.04	1.00		
3-Nitroaniline	Ave	0.2829			0.948	1.00		
Acenaphthene	Ave	1.024			1.03	1.00		
2,4-Dinitrophenol	Qua				1.48	2.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: mdll 3 Calibration Date: 12/29/2012 22:20

Instrument ID: A4HP7 Calib Start Date: 12/20/2012 13:47

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/20/2012 16:55

Lab File ID: 21229027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Qua				0.800	1.00		
2,4-Dinitrotoluene	Qua				1.11	1.00		
Dibenzofuran	Ave	1.510			0.992	1.00		
Diethyl phthalate	Ave	1.147			0.979	1.00		
4-Chlorophenyl phenyl ether	Ave	0.6708			1.04	1.00		
Fluorene	Ave	1.204			1.04	1.00		
4-Nitroaniline	Ave	0.2803			0.874	1.00		
4,6-Dinitro-2-methylphenol	Qua				1.01	1.00		
N-Nitrosodiphenylamine	Ave	0.5419			1.04	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.8354			0.969	1.00		
4-Bromophenyl phenyl ether	Ave	0.2319			1.07	1.00		
Hexachlorobenzene	Ave	0.2309			1.00	1.00		
Atrazine	Ave	0.1525			0.994	1.00		
Pentachlorophenol	Ave	0.1321			1.25	2.00		
Phenanthrene	Ave	1.074			1.00	1.00		
Anthracene	Ave	1.072			0.978	1.00		
Carbazole	Ave	1.027			0.950	1.00		
Di-n-butyl phthalate	Ave	1.161			0.972	1.00		
Fluoranthene	Ave	1.179			0.970	1.00		
Benzidine	Qua				0.890	1.00		
Pyrene	Ave	1.157			1.09	1.00		
Butyl benzyl phthalate	Ave	0.4697			0.942	1.00		
3,3'-Dichlorobenzidine	Ave	0.3801			0.775	1.00		
Bis(2-ethylhexyl) phthalate	Qua				1.04	1.00		
Benzo[a]anthracene	Ave	1.034			0.994	1.00		
Chrysene	Ave	0.9796			1.05	1.00		
Di-n-octyl phthalate	Qua				1.12	1.00		
Benzo[b]fluoranthene	Ave	1.194			0.994	1.00		
Benzo[k]fluoranthene	Ave	1.281			1.09	1.00		
Benzo[a]pyrene	Ave	1.123			0.922	1.00		
Indeno[1,2,3-cd]pyrene	Ave	1.191			0.525	1.00		
Dibenz(a,h)anthracene	Ave	1.014			0.588	1.00		
Benzo[g,h,i]perylene	Ave	1.044			0.554	1.00		
N-Nitrosodimethylamine	Ave	0.7786			0.000800	1.00		
2-Fluorophenol (Surr)	Ave	1.227			0.958	1.00	96	35-105
Phenol-d5 (Surr)	Ave	1.634			0.991	1.00	99	40-100
Nitrobenzene-d5 (Surr)	Ave	0.4406			0.966	1.00	97	35-100
2-Fluorobiphenyl (Surr)	Ave	1.433			1.04	1.00	104	45-105
2,4,6-Tribromophenol (Surr)	Ave	0.1345			0.961	1.00	96	35-125
Terphenyl-d14 (Surr)	Ave	0.8184			1.08	1.00	108	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229027.D		
Lims ID:	mdll 3	Client ID:	
Inject. Date:	29-Dec-2012 22:20:30	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	240-0016274-027		
Misc. Info.:	MDLL 3		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	70582	Lims Sample ID:	27
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m		
Last Update:	31-Dec-2012 12:47:05	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		
First Level Reviewer: gruberj		Date:	31-Dec-2012 12:26:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.833	0.001	97	282214	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	100	1163426	4.00	
* 3 Acenaphthene-d10	164	8.433	8.438	-0.005	93	694458	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	1146524	4.00	
* 5 Chrysene-d12	240	12.177	12.182	-0.005	97	1106380	4.00	
* 6 Perylene-d12	264	14.194	14.199	-0.005	96	663144	4.00	
$ 7 2-Fluorophenol	112	4.577	4.577	0.0	87	82952	0.9581	
$ 8 Phenol-d5	99	5.475	5.480	-0.005	97	114260	0.99	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	91	123841	0.9663	
$ 10 2-Fluorobiphenyl (Surr)	172	7.850	7.855	-0.005	99	257866	1.04	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	80	22442	0.9611	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	98	243494	1.08	
15 Catechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
21 Octachlorostyrene	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
14 4-Methylcatechol	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
24 1,4-Dioxane	88	2.357	2.335	0.022	69	38670	0.9687	M
25 N-Nitrosodimethylamine	74		2.779					2
26 Pyridine	79	2.876	2.844	0.032	87	68500	0.6995	
232 1-Methyl-2-pyrrilidinone	99	3.218	3.271	-0.053	0	135	0	
27 Ethyl methacrylate	69		3.512					2
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.908	3.903	0.005	88	71727	0.9438	
30 2-Picoline	93		3.913					
31 N-Nitrosomethylethylamine	88		4.053					
32 Malononitrile	66	4.304	4.266	0.038	95	32349	0.2850	
33 Acrylamide	71	4.438	4.382	0.056	2	188	0	
34 Methyl methanesulfonate	80		4.400					
29 3-Picoline	93		4.459					9
233 n,n'-Dimethylacetamide	44	4.496	4.486	0.010	0	1050	0	
35 N-Nitrosodiethylamine	102		4.817					
36 Ethyl methanesulfonate	79		5.112					9
37 2-Methylcyclohexanone	68	5.331	5.320	0.011	1	284	0	
38 3-Methylcyclohexanone	69	5.352	5.358	-0.006	1	396	0	
39 4-Methylcyclohexanone	55	5.406	5.406	0.0	1	806	0	
40 Benzaldehyde	77	5.438	5.438	0.0	87	100702	1.10	
41 Phenol	94	5.491	5.491	0.0	97	122804	1.02	
42 Phenylmercaptan	110		5.500					
43 Aniline	93	5.529	5.529	0.0	95	149837	0.9549	
45 Pentachloroethane	167		5.577					
44 Bis(2-chloroethyl)ether	93	5.588	5.587	0.001	90	121416	1.04	
46 2-Chlorophenol	128	5.636	5.641	-0.005	94	93962	0.9851	
47 1,3-Dichlorobenzene	146	5.780	5.780	0.0	95	121591	0.9824	
48 1,4-Dichlorobenzene	146	5.850	5.850	0.0	80	105601	1.03	
49 Benzyl alcohol	108	5.946	5.946	0.0	87	58329	0.9806	
50 1,2-Dichlorobenzene	146	5.983	5.983	0.0	92	117659	0.99	
51 2-Methylphenol	108	6.037	6.037	0.0	97	89947	1.04	
52 2,2'-oxybis[1-chloropropane]	45	6.064	6.063	0.001	89	176818	1.06	
53 Indene	115		6.083					9
55 N-Nitrosopyrrolidine	100		6.160					
191 3 & 4 Methylphenol	108	6.165	6.165	0.0	95	89623	0.9627	
56 N-Nitrosodi-n-propylamine	70	6.176	6.176	0.0	92	69151	0.99	
57 Acetophenone	105	6.181	6.181	0.0	92	139288	1.04	
58 N-Nitrosomorpholine	56		6.197					
59 2-Toluidine	106		6.213					
60 Hexachloroethane	117	6.283	6.288	-0.005	90	48481	1.00	
61 Nitrobenzene	77	6.336	6.336	0.0	88	130723	0.9859	
62 N-Nitrosopiperidine	114		6.465					
63 Isophorone	82	6.540	6.540	0.0	95	187320	0.9707	
65 2-Nitrophenol	139	6.615	6.614	0.0	89	39991	0.8398	
66 1,3,5-Trichlorobenzene	180	6.620	6.625	-0.005	93	111237	1.07	
64 2,4-Dimethylphenol	107	6.631	6.630	0.001	86	98275	0.99	
69 Benzoic acid	122	6.657	6.689	-0.032	81	34415	1.68	
67 o,o',o''-Triethylphosphorothioat	198		6.689					
68 Bis(2-chloroethoxy)methane	93	6.716	6.716	0.0	95	141901	0.9801	
70 alpha,alpha-Dimethyl phenethylam	58		6.791					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.818	6.818	0.0	94	76145	0.9860	
72 1,2,4-Trichlorobenzene	180	6.893	6.893	0.0	93	108605	1.05	
73 Naphthalene	128	6.962	6.967	-0.005	96	290284	1.02	
74 4-Chloroaniline	127	7.000	7.000	0.0	83	114290	0.9529	
75 2,6-Dichlorophenol	162		7.010					9
76 Hexachloropropene	213		7.042					
77 Hexachlorobutadiene	225	7.064	7.064	0.0	93	56708	1.01	
78 1,2,3-Trichlorobenzene	180	7.085	7.085	0.0	90	102005	0	
79 Benzothiazole	135		7.206					9
80 Quinoline	129		7.271					9
81 N-Nitrosodi-n-butylamine	84		7.272					9
83 Caprolactam	113	7.278	7.283	-0.005	68	22201	0.8685	
82 p-Phenylene diamine	108		7.299					9
84 4-Chloro-3-methylphenol	107	7.395	7.395	0.0	93	78345	0.9484	
93 Safrole, Total	162		7.465					
85 2-Methylnaphthalene	142	7.551	7.556	-0.006	85	182059	0.9759	
86 1-Methylnaphthalene	142	7.636	7.636	0.0	91	172878	0.9885	
87 1,2,3,5-Tetrachlorobenzene	216	7.679	7.679	0.0	95	105402	1.06	
88 Hexachlorocyclopentadiene	237	7.679	7.684	-0.005	52	26081	0.4443	
89 1,2,4,5-Tetrachlorobenzene	216		7.690					
225 Isosafrole Peak 1	162		7.711					
90 2,4,6-Trichlorophenol	196	7.781	7.780	0.0	93	51643	0.9452	
91 2,4,5-Trichlorophenol	196	7.813	7.812	0.001	95	57952	0.9712	
227 Isosafrole Peak 2	162		7.904					
94 2,4-Toluene diamine	121	7.925	7.925	0.0	97	47147	0.8520	
96 1,2,3,4 -Tetrachlorobenzene	216	7.936	7.936	0.0	91	103895	0	
95 1,1'-Biphenyl	154	7.941	7.941	0.0	96	224333	0.9822	
98 2-Chloronaphthalene	162	7.968	7.968	0.0	96	216163	1.00	
97 3,4-Dichloronitrobenzene	109		7.993					9
100 2-Nitroaniline	65	8.043	8.042	0.001	70	57517	0.9363	
99 Phenyl ether	170		8.051					9
101 1,4-Naphthoquinone	158		8.112					
104 1,3-Dinitrobenzene	168		8.155					
103 Dimethyl phthalate	163	8.182	8.182	0.0	98	208151	1.04	
102 1,4-Dinitrobenzene	168		8.214					
105 2,6-Dinitrotoluene	165	8.235	8.240	-0.005	83	46439	1.11	
106 1,2-Dinitrobenzene	168	8.283	8.289	-0.006	87	21969	1.09	
107 Acenaphthylene	152	8.321	8.321	0.0	90	295728	1.04	
108 3-Nitroaniline	138	8.385	8.385	0.0	92	46579	0.9483	
110 Acenaphthene	153	8.465	8.465	0.0	95	183705	1.03	
109 2,4-Dinitrophenol	184	8.470	8.470	0.0	52	6882	1.48	
111 4-Nitrophenol	109	8.503	8.502	0.001	85	18092	0.8003	
113 Pentachlorobenzene	250		8.572					9
112 2,4-Dinitrotoluene	165	8.577	8.577	0.0	90	61482	1.11	
114 Dibenzofuran	168	8.604	8.609	-0.005	86	259992	0.99	
115 2,3,5,6-Tetrachlorophenol	232	8.663	8.668	-0.005	94	42100	0.8894	
116 1-Naphthylamine	143		8.668					9
117 2,3,4,6-Tetrachlorophenol	232		8.701					
118 2-Naphthylamine	143		8.738					9
119 Diethyl phthalate	149	8.765	8.770	-0.005	96	194875	0.9785	
120 Thionazin	97		8.840					9
121 4-Chlorophenyl phenyl ether	204	8.882	8.882	0.0	95	121346	1.04	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
122 N-Nitro-o-toluidine	152		8.893					
123 4-Nitroaniline	138	8.898	8.898	0.0	55	42540	0.8742	
124 Fluorene	166	8.893	8.898	-0.005	81	216950	1.04	
126 4,6-Dinitro-2-methylphenol	198	8.920	8.920	0.0	54	10655	1.01	
125 Tributyl phosphate	99		8.936					9
130 N-Nitrosodiphenylamine	169	8.979	8.978	0.001	0	160968	1.04	
128 Diphenylamine	169	8.979	8.979	0.0	95	160968	0.9335	
131 Azobenzene	77	9.016	9.016	0.0	98	231979	0.9688	
129 1,2-Diphenylhydrazine	77	9.016	9.016	0.0	0	231979	0.9688	
132 Sulfotepp	202	9.091	9.091	0.0	72	24074	1.05	
133 1,3,5-Trinitrobenzene	213		9.182					
228 Diallate Peak 1	86		9.214					
135 Phenacetin	108		9.219					
136 Phorate	121		9.225					
230 Diallate Peak 2	86		9.294					
137 4-Bromophenyl phenyl ether	248	9.294	9.299	-0.005	73	71175	1.07	
139 Hexachlorobenzene	284	9.358	9.358	0.0	88	66359	1.00	
138 Dimethoate	87		9.369					9
140 Atrazine	200	9.406	9.412	-0.006	84	43469	0.99	
127 4-Aminobiphenyl	169		9.514					9
141 Pentachlorophenol	266	9.519	9.519	0.0	89	47405	1.25	
143 Pentachloronitrobenzene	237		9.530					9
142 Pronamide	173		9.546					
145 Dinoseb	211		9.653					
144 Disulfoton	88		9.658					9
146 Phenanthrene	178	9.706	9.711	-0.005	95	308825	1.00	
147 Anthracene	178	9.749	9.754	-0.005	98	300391	0.9776	
148 DFTPP								
149 Carbazole	167	9.877	9.877	0.0	82	279791	0.9504	
150 Methyl parathion	109		9.979					
151 Di-n-butyl phthalate	149	10.134	10.134	0.0	99	323261	0.9715	
152 Diphenylsulfone	125		10.175					
153 Ethyl Parathion	97		10.300					9
154 4-Nitroquinoline-1-oxide	190		10.353					
155 Methapyrilene	58		10.396					9
156 Isodrin	66		10.583					
157 Fluoranthene	202	10.712	10.711	0.001	97	327547	0.9696	
158 Benzidine	184	10.802	10.808	-0.006	94	52429	0.8896	
160 Pyrene	202	10.909	10.915	-0.006	97	347745	1.09	
164 4,4'-DDE	246		10.973					9
226 Aramite Peak 1	185		10.984					
229 Aramite Peak 2	185		11.054					
161 p-Dimethylamino azobenzene	225		11.156					
162 Chlorobenzilate	139		11.188					
163 4,4'-DDD	235		11.332					9
165 Famphur	218		11.439					
166 Butyl benzyl phthalate	149	11.487	11.487	0.0	92	122363	0.9419	
167 3,3'-Dimethylbenzidine	212		11.492					
168 4,4'-DDT	235		11.610					9
169 2-Acetylaminofluorene	181		11.771					
170 3,3'-Dimethoxybenzidine	244	12.075	12.081	-0.006	74	21186	0.9807	
173 3,3'-Dichlorobenzidine	252	12.113	12.118	-0.005	70	81487	0.7751	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	12.118	12.118	0.0	72	36461	0.8644	
171 Bis(2-ethylhexyl) phthalate	149	12.140	12.140	0.0	95	169848	1.04	
175 Benzo[a]anthracene	228	12.166	12.166	0.0	95	284441	0.99	
176 Chrysene	228	12.209	12.214	-0.005	84	283530	1.05	
174 Hexabromobenzene	232		12.239					
177 6-Methylchrysene	242		12.839					
178 Di-n-octyl phthalate	149	13.017	13.017	0.0	97	194039	1.12	
179 7,12-Dimethylbenz(a)anthracene	256		13.611					
180 Benzo[b]fluoranthene	252	13.627	13.632	-0.005	94	196877	0.99	
181 Benzo[k]fluoranthene	252	13.664	13.669	-0.005	92	231327	1.09	
182 Benzo[a]pyrene	252	14.113	14.119	-0.006	75	171639	0.9220	
183 3-Methylcholanthrene	268		14.637					9
184 Dibenz[a,j]acridine	279		15.524					
185 Dibenz[a,h]acridine	279		15.593					
186 Indeno[1,2,3-cd]pyrene	276	15.814	15.814	0.0	90	103748	0.5252	
187 Dibenz(a,h)anthracene	278	15.830	15.841	-0.011	69	98916	0.5883	
188 Benzo[g,h,i]perylene	276	16.231	16.231	0.0	89	95907	0.5544	
S 189 Methyl Phenols,Total	100				0		1.04	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 231 2,3,7,8-TCDD	1		0.000					1
T 193 Hydroquinone TIC	110	7.251	0.0	7.251	90	16947	0	
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.026	3.050	-0.024	1	200	0	
T 194 Octadecane (TIC)	254	14.338	6.300	8.038	86	41292	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

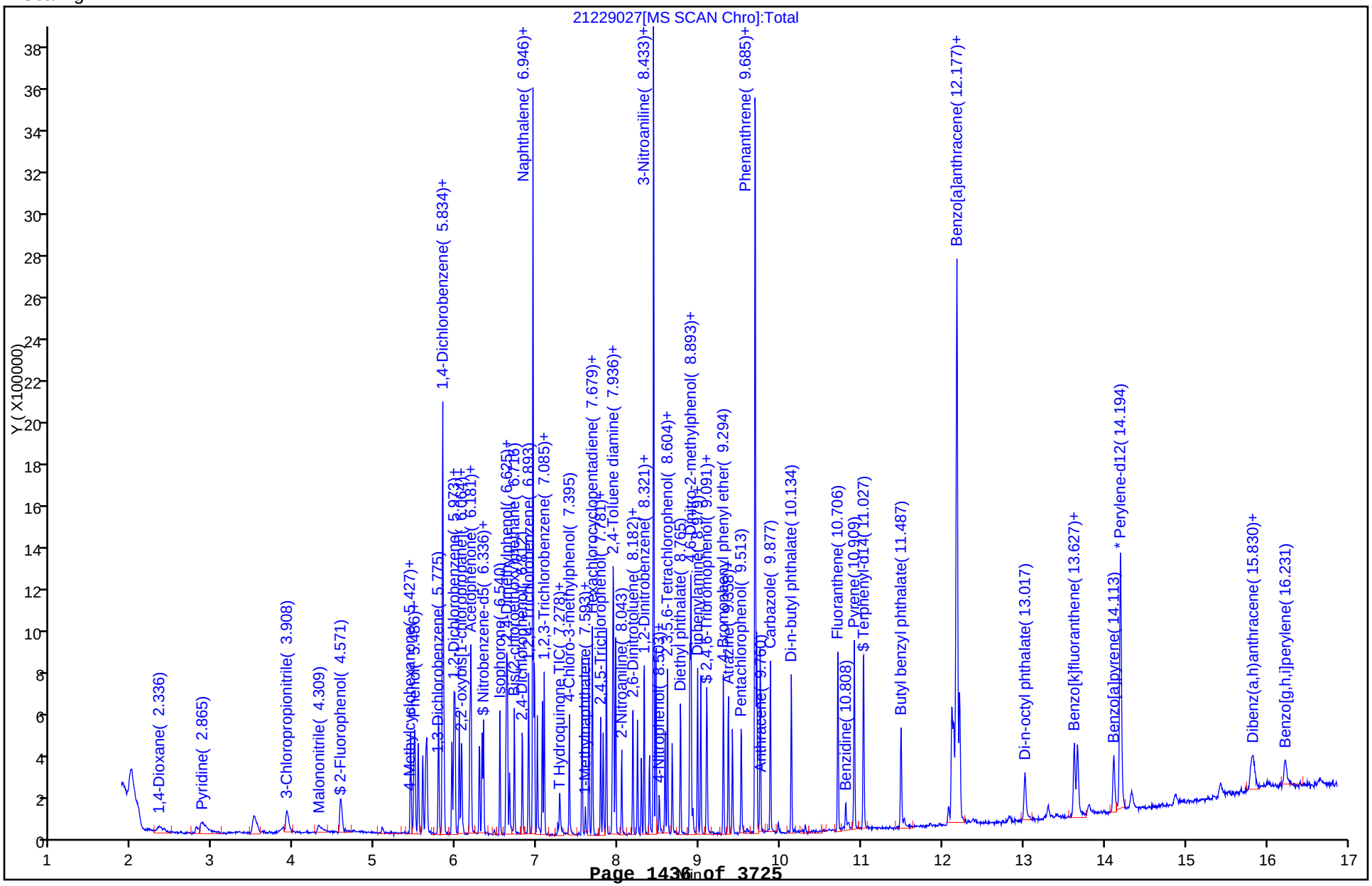
Report Date: 31-Dec-2012 12:55:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229027.D

Injection Date:	29-Dec-2012 22:20:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	27
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

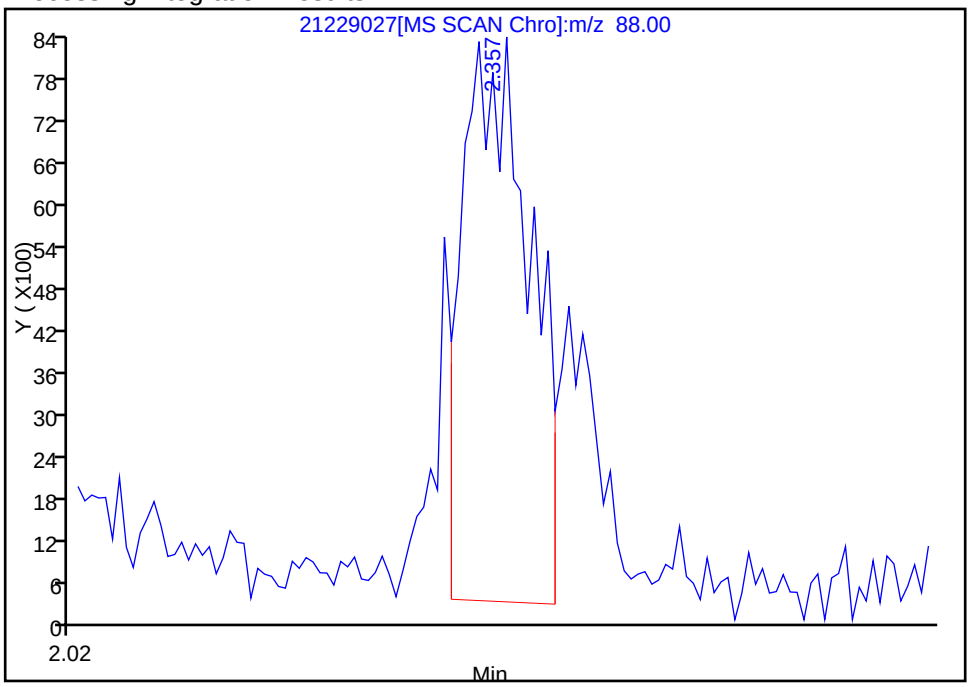
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229027.D		
Injection Date:	29-Dec-2012 22:20:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	27
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.34

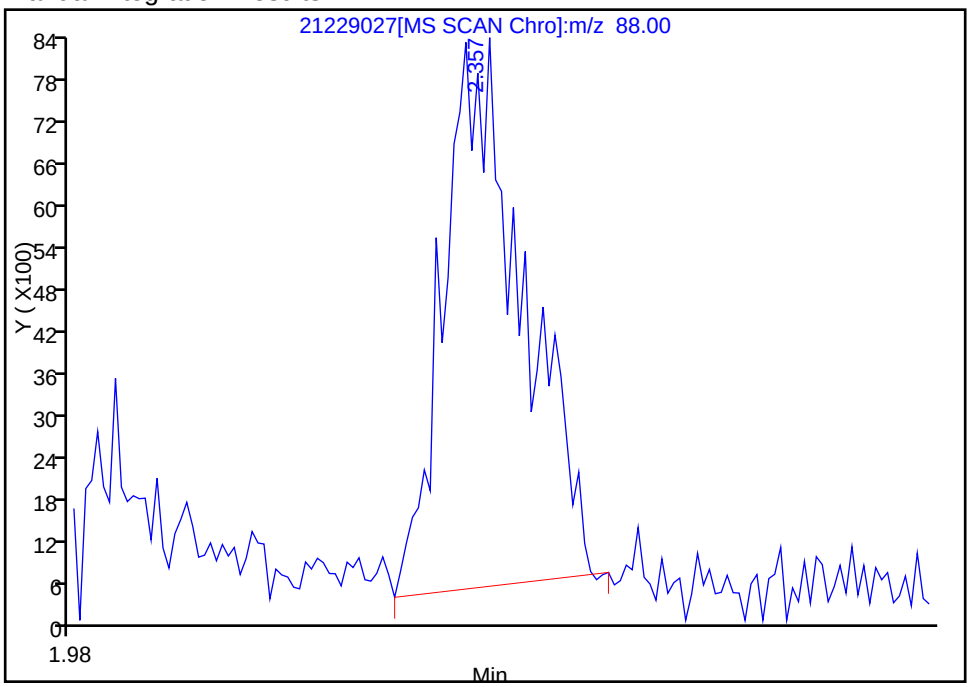
Processing Integration Results

RT: 2.36
Response: 29343
Amount: 0.735058



Manual Integration Results

RT: 2.36
Response: 38670
Amount: 0.968705



Reviewer: gruberj, 31-Dec-2012 12:26:11
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	20-Dec-2012 13:24:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0016051-001		
Misc. Info.:	DFTPP		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	69576	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\8270_hp7.m		
Last Update:	21-Dec-2012 09:00:51	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	CORP-CTX-18		
First Level Reviewer: ulmanm		Date:	20-Dec-2012 13:53:38

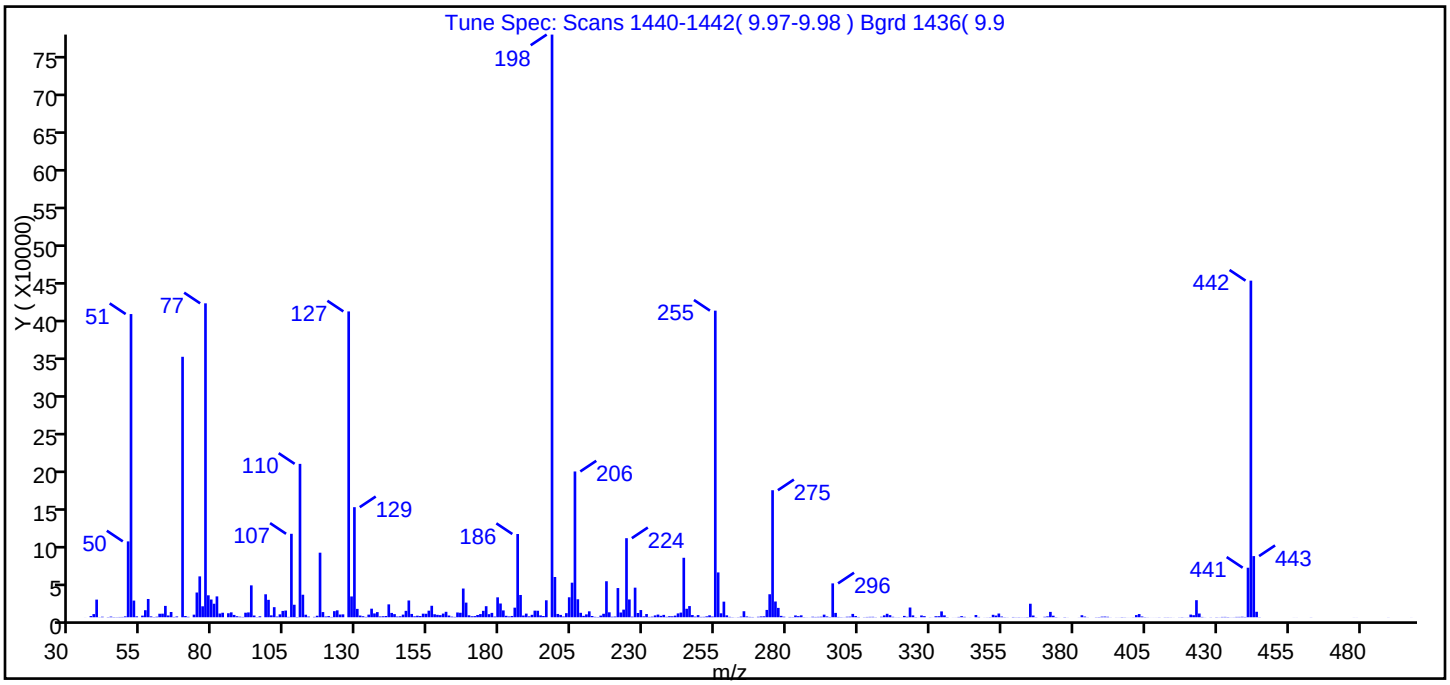
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.619	9.619	0.0	88	847950	0	
148 DFTPP								
158 Benzidine	184	10.914	10.914	0.0	99	4782103	0	
164 4,4'-DDE	246	11.085	11.085	0.0	51	3914	0	
163 4,4'-DDD	235	11.454	11.454	0.0	81	25465	0	
168 4,4'-DDT	235	11.743	11.743	0.0	97	2253167	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220001.D		
Injection Date:	20-Dec-2012 13:24:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	52.04
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	44.70
70	Less than 2.00% of mass 69	0.21 (0.47)
127	25.00 - 75.00% of mass 198	52.49
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 30.00% of mass 198	21.80
365	Greater than 0.75% of mass 198	2.32
441	Present, but less than mass 443%	8.50 (80.98)
442	40.00 - 110.00% of mass 198	57.77
443	15.00 - 24.00% of mass 442	10.50 (18.17)

Report Date: 21-Dec-2012 09:00:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220001.D\8270_hp7.rslt\spectra.d
Injection Date: 20-Dec-2012 13:24:30
Spectrum: Tune Spec: Scans 1440-1442(9.97-9.98) Bgrd 1436(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 389

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	57	140.00	1644	239.00	1418	342.00	565
37.00	1621	141.00	17248	240.00	1268	343.00	51
38.00	4207	142.00	5799	241.00	2191	344.00	97
39.00	23608	143.00	4172	242.00	5165	346.00	2980
40.00	164	144.00	972	243.00	6225	347.00	472
41.00	706	145.00	1286	244.00	79536	349.00	81
43.00	302	146.00	3523	245.00	11347	350.00	145
44.00	869	147.00	8566	246.00	14956	351.00	259
45.00	309	148.00	22432	247.00	2944	352.00	3284
46.00	261	149.00	4436	248.00	829	353.00	2243
47.00	388	150.00	1261	249.00	2890	354.00	5001
48.00	420	151.00	2083	250.00	489	355.00	975
49.00	1155	152.00	1594	251.00	551	356.00	250
50.00	101456	153.00	4793	252.00	1213	357.00	129
51.00	405440	154.00	4663	253.00	2601	359.00	367
52.00	22304	155.00	8777	254.00	953	360.00	187
53.00	1182	156.00	15352	255.00	409984	361.00	256
54.00	24	157.00	4017	256.00	59944	362.00	154
55.00	2166	158.00	3264	257.00	5332	363.00	175
56.00	9419	159.00	2829	258.00	20872	364.00	326
57.00	24432	160.00	4906	259.00	2580	365.00	18088
58.00	1142	161.00	7285	260.00	542	366.00	2309
59.00	327	162.00	2330	261.00	257	367.00	220
60.00	720	163.00	846	262.00	90	370.00	620
61.00	4704	164.00	489	263.00	240	371.00	1129
62.00	4818	165.00	6384	264.00	849	372.00	7183
63.00	15193	166.00	6014	265.00	8055	373.00	2061
64.00	2401	167.00	38408	266.00	1049	374.00	292
65.00	7039	168.00	19568	267.00	481	375.00	61
66.00	426	169.00	2623	268.00	375	377.00	288
67.00	1081	170.00	1319	269.00	52	378.00	84
69.00	348288	171.00	1522	270.00	643	382.00	104
70.00	1637	172.00	3042	271.00	1099	383.00	2713

Report Date: 21-Dec-2012 09:00:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220001.D\8270_hp7.rslt\spectra.d
Injection Date: 20-Dec-2012 13:24:30
Spectrum: Tune Spec: Scans 1440-1442(9.97-9.98) Bgrd 1436(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 389

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	577	173.00	4256	272.00	1251	384.00	924
73.00	3465	174.00	8592	273.00	9808	385.00	154
74.00	33088	175.00	14804	274.00	30768	388.00	239
75.00	54664	176.00	4138	275.00	169856	389.00	327
76.00	14665	177.00	5859	276.00	21080	390.00	810
77.00	419776	178.00	928	277.00	12528	391.00	909
78.00	29368	179.00	26640	278.00	1862	392.00	646
79.00	23720	180.00	18400	279.00	728	393.00	112
80.00	18080	181.00	9146	281.00	408	395.00	101
81.00	27896	182.00	1932	282.00	303	396.00	86
82.00	5007	183.00	1092	283.00	2444	397.00	290
83.00	6043	184.00	1714	284.00	1462	398.00	180
84.00	27	185.00	12824	285.00	2562	399.00	58
85.00	5370	186.00	111304	286.00	247	400.00	64
86.00	6554	187.00	29784	287.00	138	401.00	172
87.00	3122	188.00	2283	288.00	92	402.00	2865
88.00	1381	189.00	4881	289.00	679	403.00	4280
89.00	770	190.00	1225	290.00	430	404.00	1029
90.00	436	191.00	3231	291.00	568	405.00	277
91.00	6081	192.00	8850	292.00	714	406.00	136
92.00	6471	193.00	8714	293.00	3489	407.00	51
93.00	42648	194.00	2493	294.00	1082	408.00	60
94.00	2307	195.00	1680	295.00	377	409.00	77
95.00	263	196.00	22680	296.00	45288	410.00	172
96.00	1300	198.00	779136	297.00	5838	412.00	189
98.00	30720	199.00	53816	298.00	434	413.00	205
99.00	23296	200.00	4416	299.00	272	414.00	142
100.00	2551	201.00	3132	300.00	135	415.00	61
101.00	13489	202.00	1015	301.00	690	417.00	158
102.00	905	203.00	5487	302.00	796	418.00	264
103.00	3905	204.00	26712	303.00	4484	419.00	83
104.00	8469	205.00	46224	304.00	1591	420.00	148
105.00	8992	206.00	194944	305.00	414	421.00	3559
106.00	505	207.00	24064	307.00	230	422.00	2783

Report Date: 21-Dec-2012 09:00:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220001.D\8270_hp7.rslt\spectra.d
Injection Date: 20-Dec-2012 13:24:30
Spectrum: Tune Spec: Scans 1440-1442(9.97-9.98) Bgrd 1436(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 389

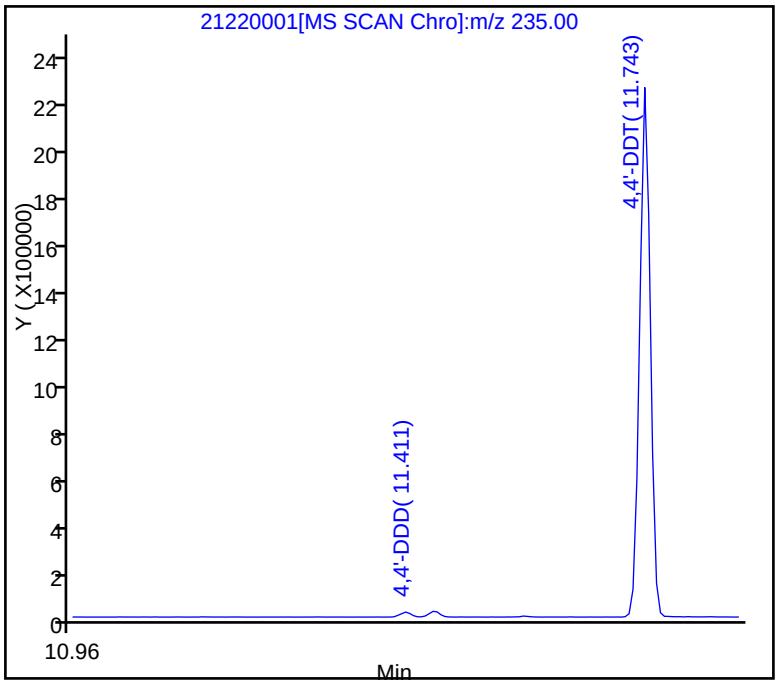
m/z	Y	m/z	Y	m/z	Y	m/z	Y
107.00	111600	208.00	5950	308.00	418	423.00	22816
108.00	16728	209.00	1876	309.00	547	424.00	4990
109.00	358	210.00	3856	310.00	589	425.00	429
110.00	205120	211.00	7931	311.00	207	426.00	103
111.00	30120	212.00	1693	313.00	666	428.00	176
112.00	3398	213.00	556	314.00	2528	430.00	258
113.00	966	214.00	367	315.00	4651	431.00	125
115.00	497	215.00	2234	316.00	2837	432.00	450
116.00	2011	216.00	4666	317.00	618	433.00	489
117.00	86344	217.00	48160	318.00	151	434.00	337
118.00	6938	218.00	6607	319.00	192	435.00	117
119.00	994	219.00	727	320.00	103	436.00	168
120.00	1546	220.00	949	321.00	1804	437.00	476
121.00	431	221.00	39064	322.00	600	438.00	493
122.00	8171	222.00	6330	323.00	13028	439.00	659
123.00	9248	223.00	10188	324.00	2467	440.00	402
124.00	3652	224.00	105728	325.00	292	441.00	66232
125.00	3873	225.00	23792	326.00	60	442.00	450112
127.00	408960	226.00	825	327.00	2397	443.00	81792
128.00	27824	227.00	39576	328.00	1477	444.00	7329
129.00	147200	228.00	5707	330.00	160	445.00	231
130.00	11191	229.00	9641	331.00	55	457.00	53
131.00	2284	230.00	1181	332.00	1366	458.00	56
132.00	1389	231.00	4295	333.00	1416	463.00	125
133.00	470	232.00	550	334.00	7847	478.00	62
134.00	3518	233.00	826	335.00	2524	479.00	55
135.00	11470	234.00	2453	336.00	323	490.00	89
136.00	5126	235.00	3572	338.00	67	498.00	55
137.00	6873	236.00	1929	339.00	82		
138.00	1076	237.00	3182	340.00	450		
139.00	1358	238.00	597	341.00	1503		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220001.D		
Injection Date:	20-Dec-2012 13:24:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 2253167
163 4,4'-DDD, Area = 25465
164 4,4'-DDE, Area = 3914

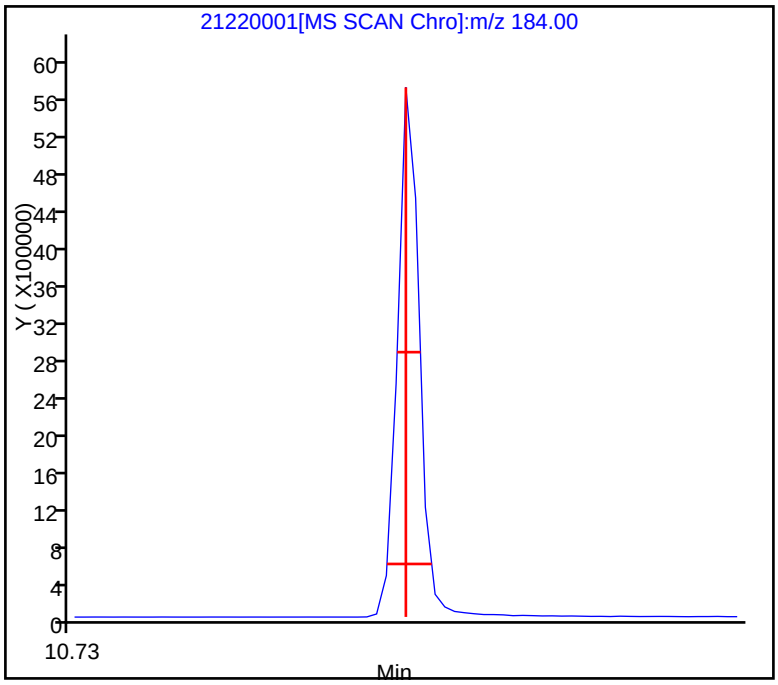
%Breakdown: 1.29%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220001.D		
Injection Date:	20-Dec-2012 13:24:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.4, Max. Tailing < 3.00
Passed

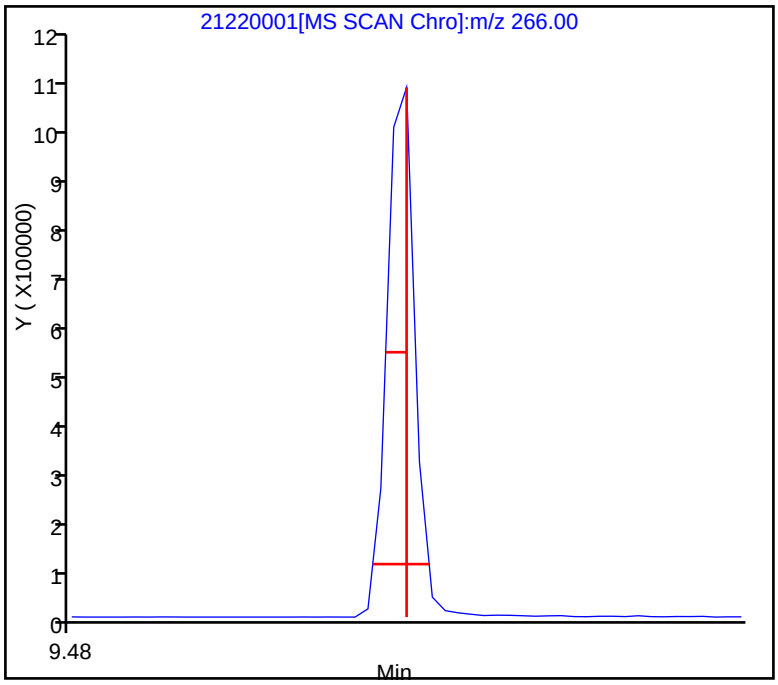
Report Date: 21-Dec-2012 09:00:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220001.D		
Injection Date:	20-Dec-2012 13:24:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69576	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.009 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.7, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Dec-2012 10:49:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0016088-001		
Misc. Info.:	DFTPP		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	69733	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121221-16088.b\8270_hp7.m		
Last Update:	21-Dec-2012 14:27:26	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	CORP-CTX-18		
First Level Reviewer: ulmanm		Date:	21-Dec-2012 11:08:20

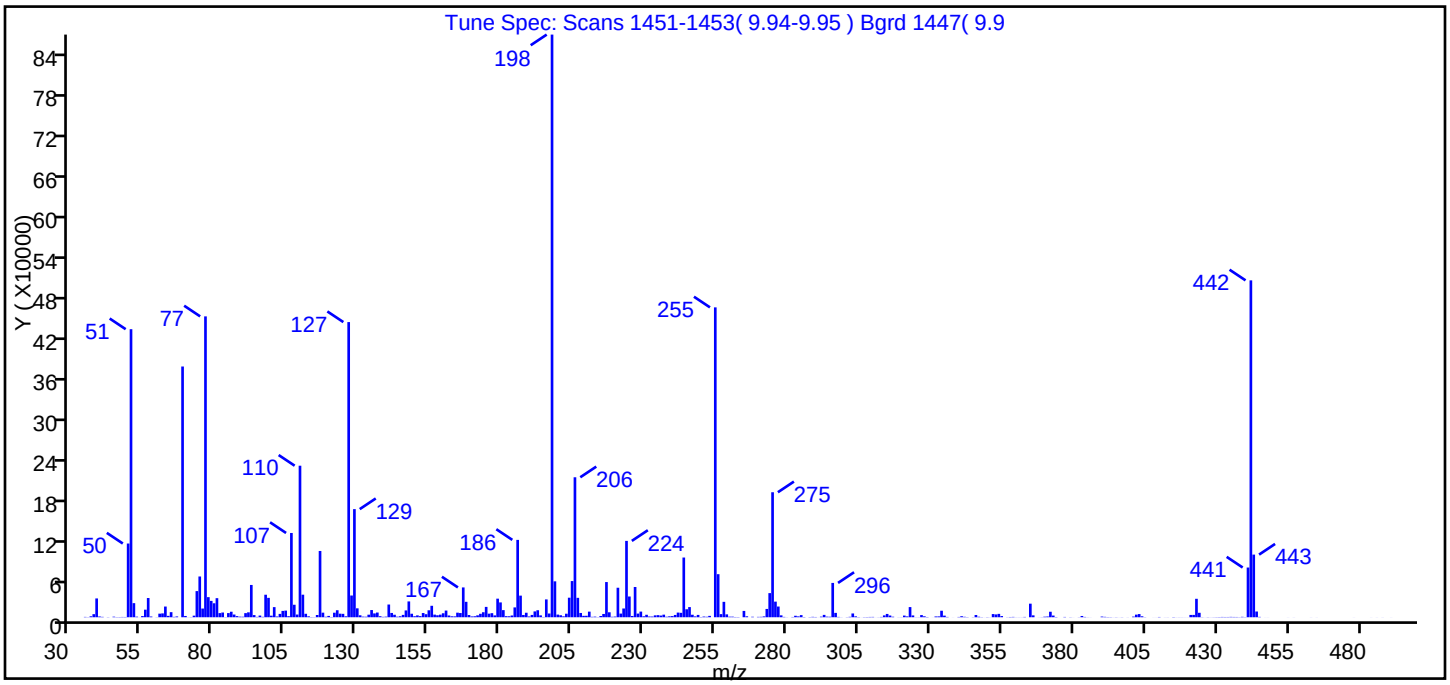
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.589	9.589	0.0	87	876834	0	
148 DFTPP								
158 Benzidine	184	10.889	10.889	0.0	99	5301742	0	
164 4,4'-DDE	246	11.055	11.055	0.0	23	1535	0	
163 4,4'-DDD	235	11.386	11.386	0.0	86	34411	0	
168 4,4'-DDT	235	11.707	11.707	0.0	97	2243387	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221001.D		
Injection Date:	21-Dec-2012 10:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69733	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	49.44
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	43.04
70	Less than 2.00% of mass 69	0.22 (0.51)
127	25.00 - 75.00% of mass 198	50.66
197	Less than 1.00% of mass 198	0.64
199	5.00 - 9.00% of mass 198	6.17
275	10.00 - 30.00% of mass 198	21.45
365	Greater than 0.75% of mass 198	2.33
441	Present, but less than mass 443%	8.54 (79.39)
442	40.00 - 110.00% of mass 198	57.82
443	15.00 - 24.00% of mass 442	10.75 (18.60)

Data File: \\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221001.D\8270_hp7.rslt\spectra.d
Injection Date: 21-Dec-2012 10:49:30
Spectrum: Tune Spec: Scans 1451-1453(9.94-9.95) Bgrd 1447(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 391

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	520	137.00	6962	235.00	3092	343.00	297
36.00	238	138.00	1544	236.00	2505	345.00	230
37.00	1432	139.00	591	237.00	3825	346.00	3307
38.00	4550	140.00	888	238.00	769	347.00	769
39.00	27816	141.00	18824	239.00	1386	348.00	262
40.00	1144	142.00	6367	240.00	1693	349.00	57
41.00	588	143.00	3708	241.00	3408	350.00	260
43.00	237	144.00	856	242.00	6893	351.00	113
45.00	835	145.00	1454	243.00	6545	352.00	4709
46.00	313	146.00	3504	244.00	88312	353.00	4195
47.00	366	147.00	10085	245.00	11821	354.00	5005
48.00	459	148.00	23408	246.00	15036	355.00	1761
49.00	420	149.00	5196	247.00	3709	357.00	170
50.00	109016	150.00	1530	248.00	1267	358.00	398
51.00	425920	151.00	2774	249.00	3462	359.00	534
52.00	20848	152.00	1680	250.00	386	360.00	132
53.00	902	153.00	6257	251.00	1032	361.00	126
54.00	75	154.00	4495	252.00	693	362.00	115
55.00	1765	155.00	10307	253.00	2038	363.00	484
56.00	11208	156.00	16952	255.00	458176	365.00	20088
57.00	28440	157.00	3882	256.00	63672	366.00	2806
58.00	1078	158.00	2948	257.00	4622	368.00	78
60.00	161	159.00	3840	258.00	22800	369.00	186
61.00	5314	160.00	5899	259.00	4276	370.00	833
62.00	5707	161.00	9888	260.00	873	371.00	1082
63.00	15837	162.00	2620	261.00	885	372.00	8159
64.00	2066	163.00	1404	262.00	398	373.00	2502
65.00	7520	164.00	1280	263.00	348	374.00	392
66.00	572	165.00	6762	265.00	9362	377.00	470
67.00	1191	166.00	6239	266.00	1408	379.00	208
69.00	370752	167.00	44104	268.00	730	380.00	52
70.00	1898	168.00	22824	270.00	569	382.00	182
71.00	122	169.00	3313	271.00	652	383.00	1889

Report Date: 21-Dec-2012 14:27:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221001.D\8270_hp7.rslt\spectra.d
Injection Date: 21-Dec-2012 10:49:30
Spectrum: Tune Spec: Scans 1451-1453(9.94-9.95) Bgrd 1447(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 391

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	253	170.00	1219	272.00	1247	384.00	485
73.00	2347	171.00	1465	273.00	12304	385.00	126
74.00	38672	172.00	2829	274.00	35680	386.00	71
75.00	60280	173.00	5111	275.00	184832	390.00	1009
76.00	12873	174.00	7409	276.00	23104	391.00	608
77.00	444864	175.00	15326	277.00	15850	392.00	324
78.00	29720	176.00	5316	278.00	2811	393.00	265
79.00	24200	177.00	6035	279.00	524	394.00	79
80.00	20672	178.00	2743	280.00	130	395.00	200
81.00	28224	179.00	27488	281.00	16	396.00	56
82.00	6141	180.00	21944	282.00	426	397.00	184
83.00	7003	181.00	10535	283.00	2208	399.00	98
84.00	271	182.00	1600	284.00	1275	401.00	971
85.00	6170	183.00	1486	285.00	3149	402.00	3870
86.00	8184	184.00	2600	286.00	397	403.00	4730
87.00	4010	185.00	14556	288.00	302	404.00	1415
88.00	1685	186.00	114392	289.00	603	405.00	228
89.00	879	187.00	31976	290.00	420	408.00	56
90.00	780	188.00	3359	291.00	58	409.00	57
91.00	6093	189.00	6671	292.00	889	410.00	427
92.00	7264	190.00	1168	293.00	3503	412.00	86
93.00	47760	191.00	3437	294.00	893	413.00	121
94.00	3199	192.00	8659	295.00	746	415.00	327
95.00	542	193.00	10382	296.00	50760	416.00	98
96.00	2497	194.00	2767	297.00	6475	417.00	134
97.00	620	195.00	440	298.00	523	418.00	116
98.00	33304	196.00	26392	299.00	138	419.00	81
99.00	28680	197.00	5542	301.00	232	420.00	80
100.00	2321	198.00	861504	302.00	645	421.00	3431
101.00	14991	199.00	53112	303.00	5610	422.00	3481
102.00	1126	200.00	3927	304.00	1326	423.00	27288
103.00	4967	201.00	2949	305.00	328	424.00	6589
104.00	9381	202.00	1363	306.00	53	425.00	217
105.00	9830	203.00	5237	307.00	292	426.00	56

Report Date: 21-Dec-2012 14:27:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221001.D\8270_hp7.rslt\spectra.d
Injection Date: 21-Dec-2012 10:49:30
Spectrum: Tune Spec: Scans 1451-1453(9.94-9.95) Bgrd 1447(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 391

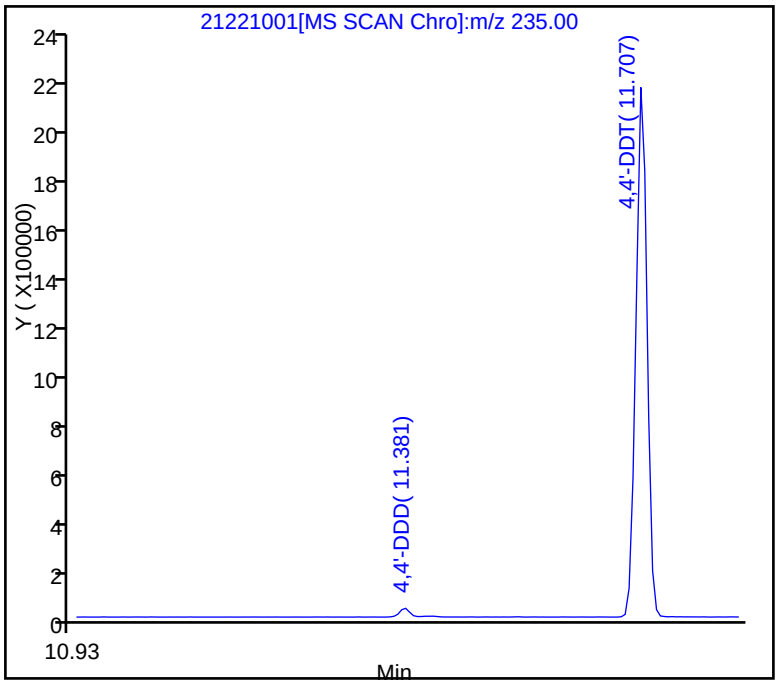
m/z	Y	m/z	Y	m/z	Y	m/z	Y
106.00	1558	204.00	28904	308.00	361	427.00	221
107.00	124616	205.00	53512	309.00	465	428.00	106
108.00	18480	206.00	206976	310.00	524	429.00	188
109.00	4008	207.00	28712	311.00	54	430.00	281
110.00	224064	208.00	6341	312.00	160	431.00	347
111.00	33360	209.00	2113	313.00	505	432.00	465
112.00	5131	210.00	2201	314.00	2745	433.00	402
113.00	1416	211.00	8321	315.00	4909	434.00	420
114.00	353	212.00	623	316.00	2543	435.00	551
115.00	262	213.00	913	317.00	797	436.00	455
116.00	3334	214.00	260	319.00	127	437.00	421
117.00	97992	215.00	1855	320.00	178	438.00	243
118.00	6773	216.00	4877	321.00	2472	439.00	618
119.00	741	217.00	52048	322.00	1255	440.00	262
120.00	1987	218.00	7331	323.00	15045	441.00	73536
121.00	396	219.00	705	324.00	2658	442.00	498112
122.00	6712	220.00	1003	325.00	154	443.00	92632
123.00	10385	221.00	43640	326.00	177	444.00	8504
124.00	5290	222.00	5421	327.00	3221	445.00	557
125.00	5056	223.00	12962	328.00	1385	447.00	50
126.00	1364	224.00	112904	329.00	390	448.00	57
127.00	436416	225.00	30688	331.00	53	455.00	60
128.00	32136	226.00	1894	332.00	1173	457.00	66
129.00	159872	227.00	44744	333.00	1252	463.00	69
130.00	13196	228.00	5418	334.00	9639	465.00	61
131.00	2913	229.00	8376	335.00	2399	478.00	53
132.00	916	230.00	1414	336.00	492	484.00	53
133.00	772	231.00	3656	338.00	58	486.00	62
134.00	3783	232.00	1139	340.00	465	488.00	74
135.00	10663	233.00	1046	341.00	1526	491.00	54
136.00	5689	234.00	2804	342.00	676		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221001.D		
Injection Date:	21-Dec-2012 10:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69733	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 2243387
163 4,4'-DDD, Area = 34411
164 4,4'-DDE, Area = 1535

%Breakdown: 1.58%, Max Limit: 20.00%
Passed

Report Date: 21-Dec-2012 14:27:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

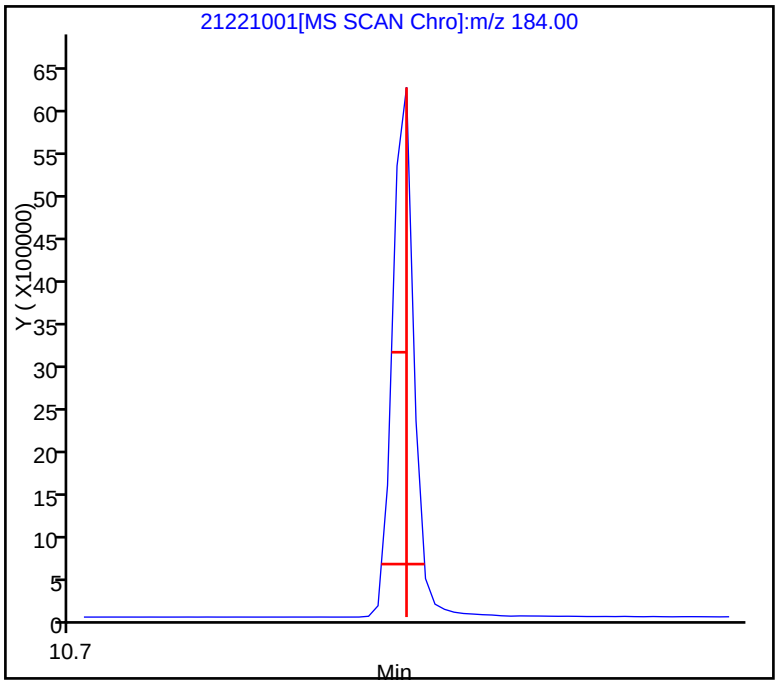
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221001.D

Injection Date:	21-Dec-2012 10:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69733	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.7, Max. Tailing < 3.00
Passed

Report Date: 21-Dec-2012 14:27:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

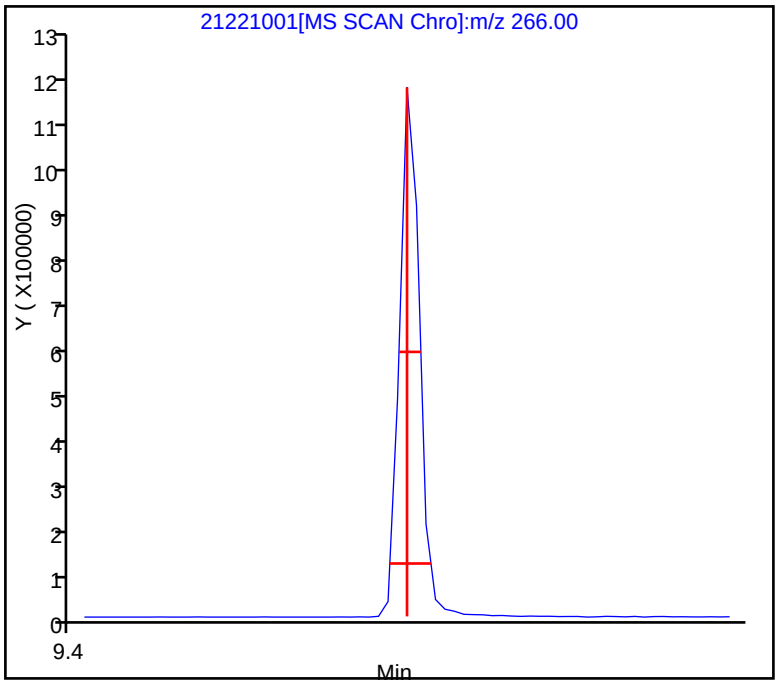
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121221-16088.b\21221001.D

Injection Date:	21-Dec-2012 10:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	69733	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.4, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	26-Dec-2012 08:52:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0016144-001		
Misc. Info.:	DFTPP		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	70078	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\8270_hp7.m		
Last Update:	27-Dec-2012 09:55:08	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK036		

First Level Reviewer: gruberj Date: 26-Dec-2012 09:43:03

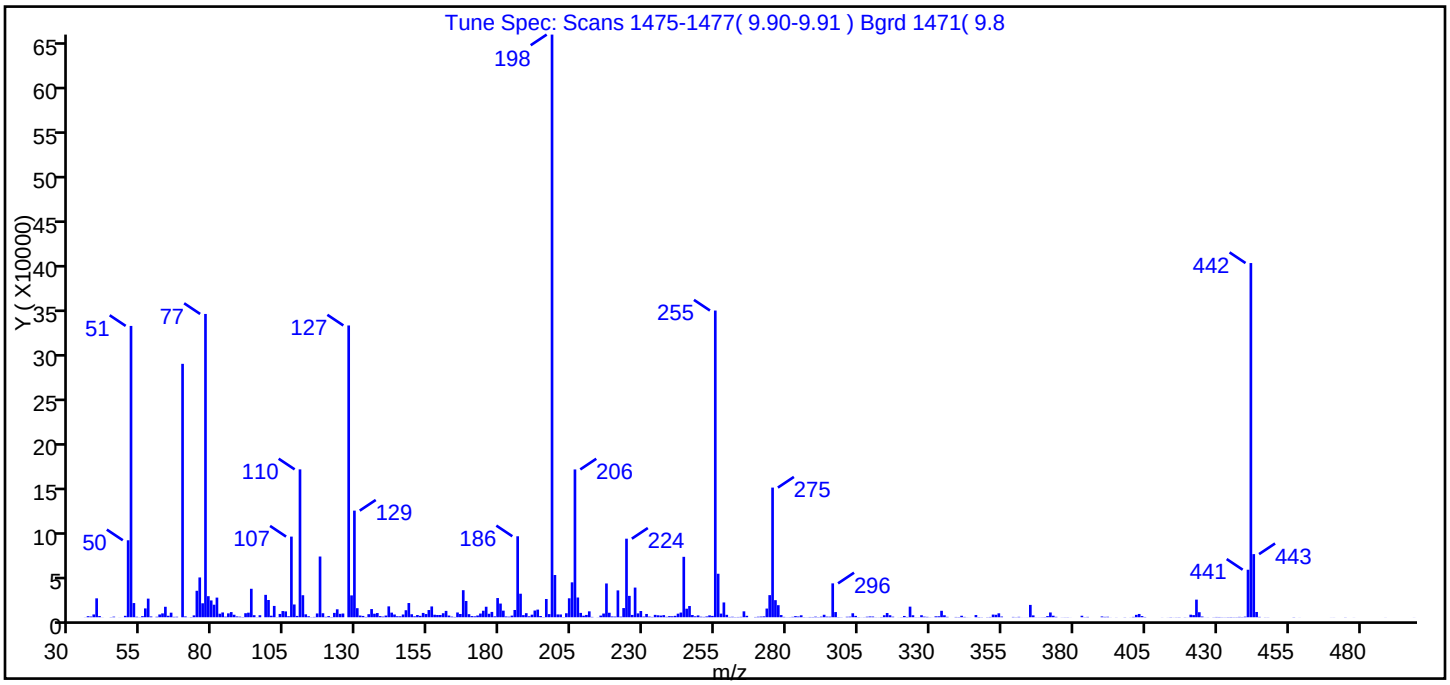
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.551	9.551	0.0	88	764206	0	
148 DFTPP								
158 Benzidine	184	10.845	10.845	0.0	99	4022818	0	
164 4,4'-DDE	246	11.011	11.011	0.0	53	3015	0	
163 4,4'-DDD	235	11.375	11.375	0.0	57	19020	0	
168 4,4'-DDT	235	11.658	11.658	0.0	98	1943786	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226001.D		
Injection Date:	26-Dec-2012 08:52:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	50.00
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	43.49
70	Less than 2.00% of mass 69	0.14 (0.32)
127	25.00 - 75.00% of mass 198	50.08
197	Less than 1.00% of mass 198	0.54
199	5.00 - 9.00% of mass 198	7.25
275	10.00 - 30.00% of mass 198	22.25
365	Greater than 0.75% of mass 198	2.12
441	Present, but less than mass 443%	8.16 (75.27)
442	40.00 - 110.00% of mass 198	60.79
443	15.00 - 24.00% of mass 442	10.84 (17.82)

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226001.D\8270_hp7.rslt\spectra.d
Injection Date: 26-Dec-2012 08:52:30
Spectrum: Tune Spec: Scans 1475-1477(9.90-9.91) Bgrd 1471(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	121	138.00	1304	235.00	2201	335.00	2251
36.00	1203	139.00	766	236.00	1899	336.00	466
37.00	819	140.00	1896	237.00	2395	339.00	343
38.00	3167	141.00	12287	238.00	502	340.00	275
39.00	21336	142.00	5218	239.00	1273	341.00	1701
40.00	1335	143.00	3096	240.00	1105	342.00	397
41.00	108	144.00	1145	241.00	1611	343.00	105
44.00	222	145.00	1065	242.00	4049	344.00	67
45.00	684	146.00	3108	243.00	5296	346.00	2479
47.00	92	147.00	7933	244.00	68160	347.00	290
48.00	50	148.00	16041	245.00	9641	348.00	187
49.00	1618	149.00	3395	246.00	12667	350.00	212
50.00	86832	150.00	1065	247.00	2497	351.00	352
51.00	328576	151.00	2515	248.00	1038	352.00	3019
52.00	16008	152.00	1615	249.00	2081	353.00	2806
53.00	592	153.00	4882	250.00	598	354.00	4467
54.00	164	154.00	3617	251.00	410	355.00	798
55.00	1235	155.00	8137	252.00	906	359.00	387
56.00	9976	156.00	12201	253.00	2123	360.00	176
57.00	21016	157.00	2829	254.00	1547	361.00	469
58.00	872	158.00	2569	255.00	345920	362.00	66
60.00	558	159.00	2556	256.00	49072	363.00	54
61.00	3134	160.00	4546	257.00	4140	364.00	94
62.00	4363	161.00	7175	258.00	16704	365.00	13925
63.00	11821	162.00	1944	259.00	2750	366.00	2105
64.00	1669	163.00	722	260.00	373	367.00	123
65.00	5163	164.00	355	261.00	545	368.00	139
66.00	463	165.00	5393	262.00	243	369.00	172
67.00	577	166.00	3684	263.00	340	370.00	263
69.00	285824	167.00	30528	264.00	464	371.00	1285
70.00	920	168.00	18344	265.00	6675	372.00	5402
71.00	85	169.00	3489	266.00	1631	373.00	1730
72.00	298	170.00	1310	269.00	329	374.00	480

Report Date: 27-Dec-2012 09:55:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226001.D\8270_hp7.rslt\spectra.d
Injection Date: 26-Dec-2012 08:52:30
Spectrum: Tune Spec: Scans 1475-1477(9.90-9.91) Bgrd 1471(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	2110	171.00	1031	270.00	596	376.00	100
74.00	29864	172.00	1983	271.00	776	377.00	142
75.00	44896	173.00	4173	272.00	1002	378.00	170
76.00	15769	174.00	7345	273.00	9809	379.00	54
77.00	342080	175.00	11866	274.00	24952	383.00	1701
78.00	23760	176.00	3916	275.00	146240	384.00	192
79.00	18976	177.00	6028	276.00	19288	385.00	423
80.00	14135	178.00	1014	277.00	13613	390.00	902
81.00	22160	179.00	21672	278.00	2478	391.00	462
82.00	3969	180.00	15456	279.00	419	392.00	573
83.00	5427	181.00	7444	280.00	146	393.00	77
84.00	662	182.00	866	281.00	200	395.00	97
85.00	4399	183.00	652	282.00	464	398.00	176
86.00	5821	184.00	1858	283.00	1301	400.00	92
87.00	2818	185.00	8198	284.00	843	401.00	420
88.00	933	186.00	91336	285.00	2204	402.00	2706
89.00	681	187.00	26552	286.00	213	403.00	3710
90.00	298	188.00	2400	287.00	135	404.00	1317
91.00	4556	189.00	4604	288.00	331	405.00	337
92.00	5161	190.00	1086	289.00	304	411.00	88
93.00	32120	191.00	2892	290.00	672	413.00	72
94.00	2320	192.00	7595	291.00	262	414.00	220
95.00	159	193.00	8630	292.00	683	415.00	83
96.00	2294	194.00	1422	293.00	2798	416.00	157
98.00	25272	195.00	247	294.00	700	417.00	196
99.00	19456	196.00	20600	295.00	632	419.00	160
100.00	1752	197.00	3553	296.00	38216	420.00	66
101.00	12772	198.00	657152	297.00	5852	421.00	2879
102.00	150	199.00	47640	298.00	275	422.00	2434
103.00	3722	200.00	3187	299.00	171	423.00	19888
104.00	6993	201.00	3139	301.00	555	424.00	5675
105.00	6611	202.00	264	302.00	673	425.00	824
106.00	1143	203.00	4525	303.00	4510	426.00	52
107.00	90968	204.00	21384	304.00	1537	427.00	108

Report Date: 27-Dec-2012 09:55:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226001.D\8270_hp7.rslt\spectra.d
Injection Date: 26-Dec-2012 08:52:30
Spectrum: Tune Spec: Scans 1475-1477(9.90-9.91) Bgrd 1471(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 382

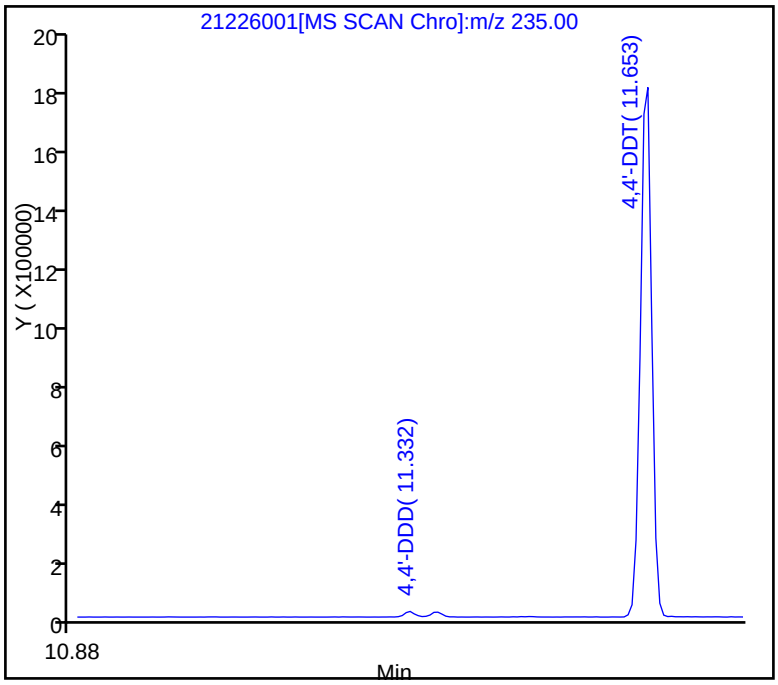
m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	14407	205.00	39376	305.00	233	429.00	169
109.00	1509	206.00	166720	306.00	98	430.00	340
110.00	166784	207.00	22280	307.00	160	431.00	310
111.00	24840	208.00	4921	308.00	602	432.00	180
112.00	3320	209.00	1743	309.00	899	433.00	151
113.00	1153	210.00	2631	310.00	812	434.00	237
114.00	214	211.00	6672	311.00	135	435.00	296
115.00	384	212.00	398	312.00	115	436.00	208
116.00	4297	214.00	121	313.00	319	437.00	225
117.00	68504	215.00	1877	314.00	2263	438.00	416
118.00	4539	216.00	4197	315.00	4793	439.00	251
119.00	479	217.00	38112	316.00	2297	440.00	665
120.00	1288	218.00	5073	317.00	657	441.00	53600
121.00	306	219.00	886	319.00	72	442.00	399488
122.00	4923	220.00	750	320.00	208	443.00	71208
123.00	8987	221.00	30304	321.00	1455	444.00	5947
124.00	3855	222.00	682	322.00	370	445.00	427
125.00	4229	223.00	10352	323.00	11975	447.00	135
127.00	329088	224.00	88608	324.00	2228	448.00	130
128.00	24656	225.00	24120	325.00	165	457.00	203
129.00	120256	226.00	2623	326.00	167	459.00	63
130.00	10237	227.00	33472	327.00	2302	470.00	62
131.00	1932	228.00	4359	328.00	701	471.00	83
132.00	1504	229.00	7032	329.00	460	475.00	152
133.00	357	230.00	772	330.00	143	478.00	66
134.00	3461	231.00	3708	331.00	53	489.00	73
135.00	9241	232.00	758	332.00	1046	499.00	67
136.00	3981	233.00	383	333.00	1090		
137.00	4731	234.00	2689	334.00	7285		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226001.D		
Injection Date:	26-Dec-2012 08:52:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 1943786
163 4,4'-DDD, Area = 19020
164 4,4'-DDE, Area = 3015

%Breakdown: 1.12%, Max Limit: 20.00%
Passed

Report Date: 27-Dec-2012 09:55:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

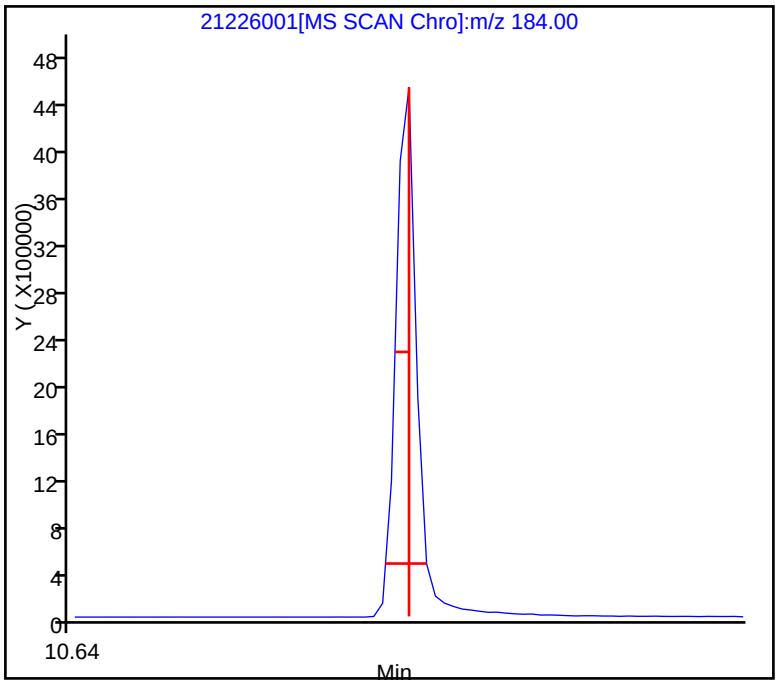
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226001.D

Injection Date:	26-Dec-2012 08:52:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.7, Max. Tailing < 3.00
Passed

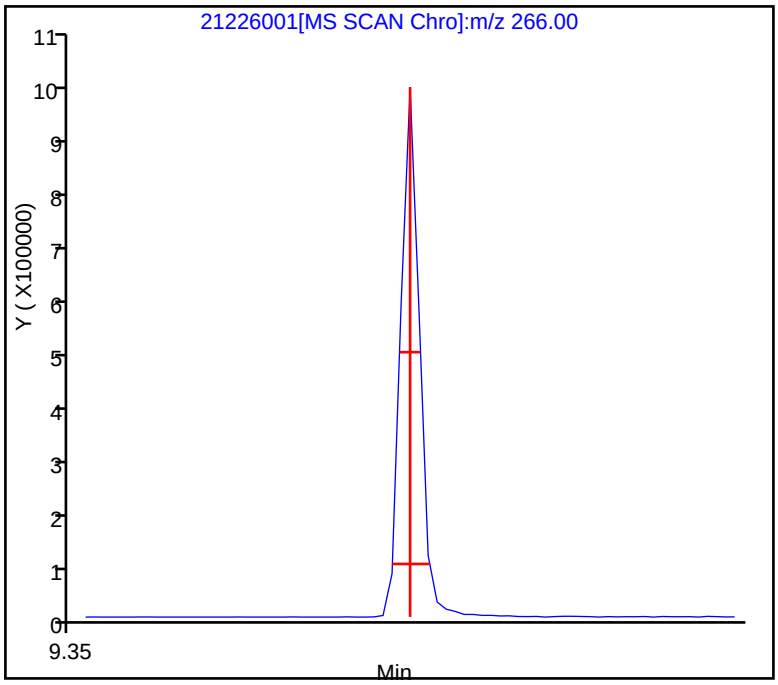
Report Date: 27-Dec-2012 09:55:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226001.D		
Injection Date:	26-Dec-2012 08:52:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.1, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	28-Dec-2012 09:38:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0016244-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	70417	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\8270_hp7.m		
Last Update:	28-Dec-2012 13:47:29	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK012		

First Level Reviewer: gruberj Date: 28-Dec-2012 09:58:42

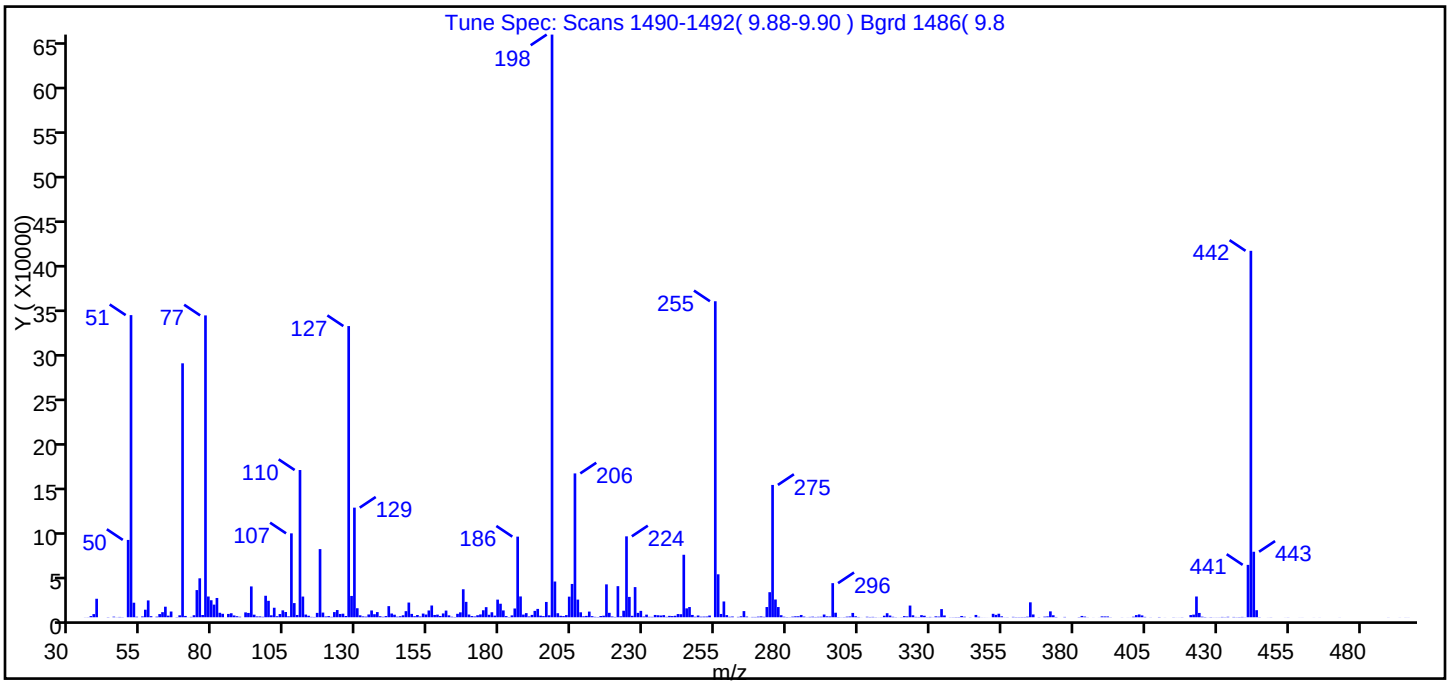
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.531	9.531	0.0	86	797486	0	
148 DFTPP								
158 Benzidine	184	10.820	10.820	0.0	99	4170433	0	
164 4,4'-DDE	246	10.981	10.981	0.0	29	2832	0	
163 4,4'-DDD	235	11.345	11.345	0.0	81	20530	0	
168 4,4'-DDT	235	11.628	11.628	0.0	96	2044398	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228001.D		
Injection Date:	28-Dec-2012 09:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	51.85
68	Less than 2.00% of mass 69	0.33 (0.76)
69	Present	43.58
70	Less than 2.00% of mass 69	0.23 (0.52)
127	25.00 - 75.00% of mass 198	49.98
197	Less than 1.00% of mass 198	0.33
199	5.00 - 9.00% of mass 198	6.13
275	10.00 - 30.00% of mass 198	22.71
365	Greater than 0.75% of mass 198	2.56
441	Present, but less than mass 443%	8.99 (79.96)
442	40.00 - 110.00% of mass 198	62.89
443	15.00 - 24.00% of mass 442	11.24 (17.88)

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228001.D\8270_hp7.rslt\spectra.d
Injection Date: 28-Dec-2012 09:38:30
Spectrum: Tune Spec: Scans 1490-1492(9.88-9.90) Bgrd 1486(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 385

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	105	141.00	12412	238.00	491	339.00	249
36.00	134	142.00	4186	239.00	1554	340.00	267
37.00	1316	143.00	2836	240.00	1317	341.00	1433
38.00	3506	144.00	671	241.00	1655	342.00	624
39.00	20656	145.00	1132	242.00	3573	344.00	167
43.00	227	146.00	2191	243.00	3409	346.00	2589
45.00	655	147.00	6806	244.00	69792	347.00	545
46.00	112	148.00	16424	245.00	9947	348.00	86
47.00	356	149.00	3755	246.00	11405	349.00	76
48.00	192	150.00	1156	247.00	2582	350.00	53
50.00	86360	151.00	2515	248.00	581	351.00	31
51.00	337408	152.00	827	249.00	1976	352.00	3849
52.00	16246	153.00	4109	250.00	636	353.00	2700
53.00	596	154.00	3038	251.00	730	354.00	3926
55.00	905	155.00	7559	252.00	786	355.00	1038
56.00	8424	156.00	13130	253.00	1925	356.00	106
57.00	18808	157.00	2564	255.00	352896	357.00	153
58.00	1195	158.00	2929	256.00	47976	359.00	448
60.00	650	159.00	1429	257.00	3694	360.00	254
61.00	3547	160.00	4254	258.00	17632	361.00	248
62.00	5685	161.00	7445	259.00	2396	362.00	296
63.00	11785	162.00	2140	260.00	548	363.00	305
64.00	1793	163.00	596	261.00	837	364.00	618
65.00	6411	164.00	308	263.00	432	365.00	16680
67.00	234	165.00	3851	264.00	1030	366.00	3115
68.00	2159	166.00	5494	265.00	6875	368.00	196
69.00	283584	167.00	31272	266.00	779	370.00	691
70.00	1468	168.00	17184	267.00	66	371.00	909
71.00	81	169.00	3045	268.00	370	372.00	6584
72.00	431	170.00	1327	269.00	352	373.00	2226
73.00	2264	171.00	871	270.00	674	374.00	321
74.00	30344	172.00	2249	271.00	930	377.00	377
75.00	43488	173.00	3151	272.00	472	382.00	269

Report Date: 28-Dec-2012 13:47:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228001.D\8270_hp7.rslt\spectra.d
Injection Date: 28-Dec-2012 09:38:30
Spectrum: Tune Spec: Scans 1490-1492(9.88-9.90) Bgrd 1486(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 385

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	2516	174.00	7811	273.00	11404	383.00	1474
77.00	337088	175.00	11281	274.00	27984	384.00	751
78.00	23168	176.00	2750	275.00	147776	385.00	128
79.00	19000	177.00	5594	276.00	19832	387.00	63
80.00	14103	178.00	1820	277.00	11390	389.00	58
81.00	21528	179.00	19704	278.00	2291	390.00	983
82.00	4995	180.00	15109	279.00	597	391.00	901
83.00	3880	181.00	7615	280.00	288	392.00	904
84.00	65	182.00	1286	281.00	191	393.00	159
85.00	3710	183.00	310	282.00	704	397.00	100
86.00	4481	184.00	2086	283.00	1077	399.00	62
87.00	2000	185.00	9796	284.00	1091	400.00	51
88.00	1162	186.00	90040	285.00	2545	401.00	632
89.00	584	187.00	23248	286.00	730	402.00	2396
91.00	5431	188.00	2980	287.00	169	403.00	3132
92.00	4825	189.00	4618	288.00	425	404.00	2045
93.00	34432	190.00	918	289.00	637	405.00	420
94.00	2874	191.00	2609	290.00	325	407.00	113
95.00	923	192.00	7137	291.00	507	410.00	295
96.00	929	193.00	9324	292.00	572	412.00	68
97.00	525	194.00	1783	293.00	3049	415.00	159
98.00	24000	195.00	1270	294.00	1011	416.00	62
99.00	18360	196.00	17088	295.00	853	417.00	68
100.00	2178	197.00	2175	296.00	38080	418.00	168
101.00	10623	198.00	650688	297.00	5056	421.00	2454
102.00	1129	199.00	39904	298.00	269	422.00	2938
103.00	3600	200.00	4502	299.00	137	423.00	23184
104.00	7720	201.00	1643	300.00	218	424.00	4816
105.00	5855	202.00	1296	301.00	663	425.00	651
106.00	1035	203.00	2360	302.00	865	426.00	298
107.00	93704	204.00	23008	303.00	4827	427.00	64
108.00	15818	205.00	37200	304.00	1078	428.00	247
109.00	2548	206.00	160640	305.00	337	429.00	94
110.00	164416	207.00	19720	306.00	63	430.00	124

Report Date: 28-Dec-2012 13:47:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228001.D\8270_hp7.rslt\spectra.d
Injection Date: 28-Dec-2012 09:38:30
Spectrum: Tune Spec: Scans 1490-1492(9.88-9.90) Bgrd 1486(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 385

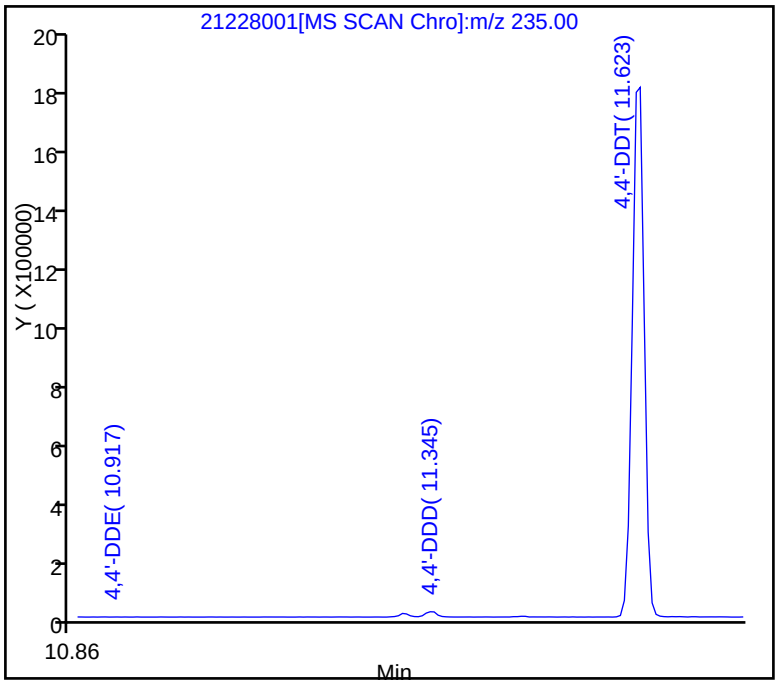
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	23112	208.00	5541	308.00	562	431.00	125
112.00	3023	209.00	1041	309.00	321	432.00	372
113.00	1677	210.00	1535	310.00	427	433.00	200
114.00	429	211.00	6341	311.00	186	434.00	525
115.00	339	212.00	1207	312.00	91	436.00	348
116.00	4885	213.00	461	313.00	160	437.00	187
117.00	76112	214.00	304	314.00	1702	438.00	275
118.00	5211	215.00	1380	315.00	4517	439.00	383
119.00	860	216.00	1714	316.00	1934	440.00	146
120.00	1294	217.00	36736	317.00	540	441.00	58496
121.00	473	218.00	4951	318.00	212	442.00	409216
122.00	5776	219.00	878	319.00	60	443.00	73160
123.00	8072	220.00	371	320.00	191	444.00	7894
124.00	3669	221.00	34728	321.00	1255	445.00	205
125.00	3971	222.00	1032	322.00	906	448.00	58
126.00	1396	223.00	7288	323.00	13061	449.00	126
127.00	325184	224.00	90360	324.00	2184	454.00	50
128.00	23792	225.00	22736	325.00	423	455.00	110
129.00	122400	226.00	1610	326.00	326	459.00	51
130.00	10080	227.00	33672	327.00	2365	460.00	64
131.00	2178	228.00	4884	328.00	1702	464.00	51
132.00	969	229.00	7148	329.00	199	466.00	62
133.00	701	230.00	821	330.00	396	473.00	65
134.00	3120	231.00	2911	331.00	102	490.00	87
135.00	7586	232.00	529	332.00	1015	494.00	68
136.00	3402	233.00	456	333.00	731	496.00	83
137.00	5760	234.00	2561	334.00	9124	497.00	72
138.00	1137	235.00	2224	335.00	1992		
139.00	531	236.00	1944	337.00	143		
140.00	1313	237.00	2369	338.00	177		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228001.D		
Injection Date:	28-Dec-2012 09:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 2044398
163 4,4'-DDD, Area = 20530
164 4,4'-DDE, Area = 2832

%Breakdown: 1.13%, Max Limit: 20.00%
Passed

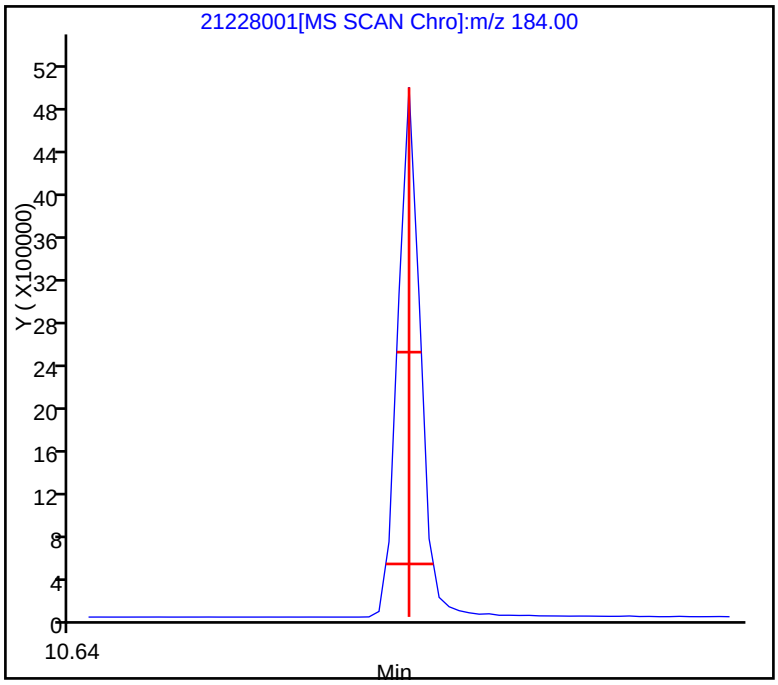
Report Date: 28-Dec-2012 13:47:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228001.D		
Injection Date:	28-Dec-2012 09:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

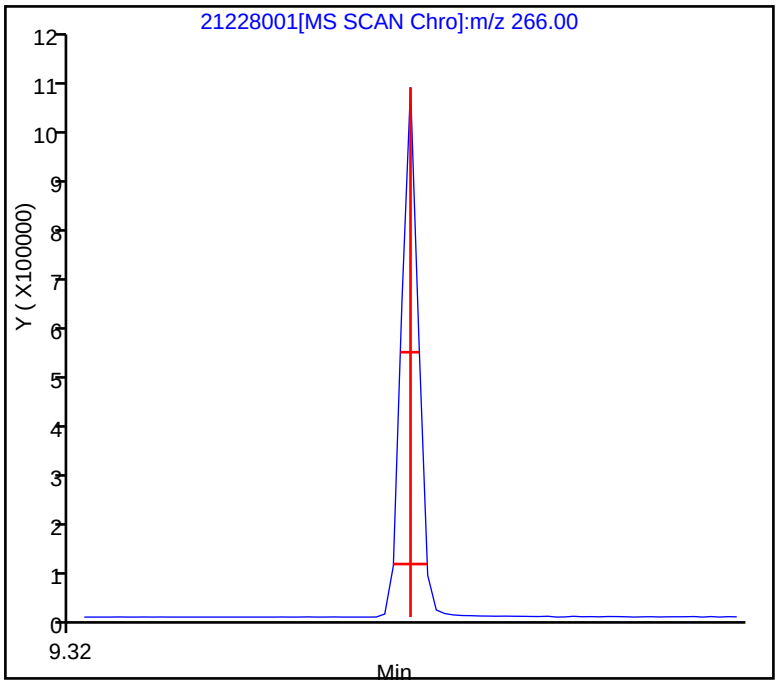
Report Date: 28-Dec-2012 13:47:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228001.D		
Injection Date:	28-Dec-2012 09:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\B1.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	29-Dec-2012 12:15:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0016244-001		
Misc. Info.:	DFTPP		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	70582	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m		
Last Update:	31-Dec-2012 12:46:44	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		

First Level Reviewer: gruberj Date: 29-Dec-2012 12:32:07

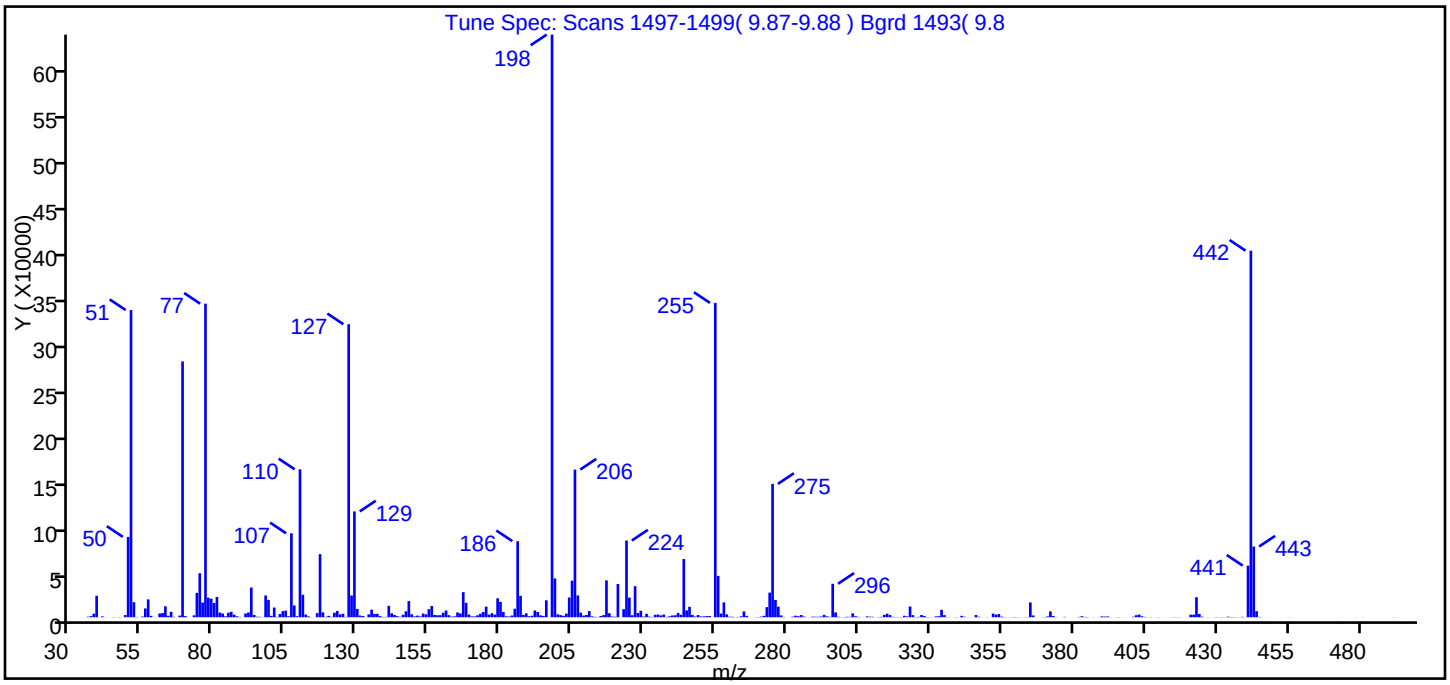
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.519	9.519	0.0	88	651192	0	
148 DFTPP								
158 Benzidine	184	10.808	10.808	0.0	100	3322928	0	
164 4,4'-DDE	246	10.973	10.973	0.0	65	6575	0	
163 4,4'-DDD	235	11.332	11.332	0.0	64	19609	0	
168 4,4'-DDT	235	11.610	11.610	0.0	98	1779752	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\B1.D		
Injection Date:	29-Dec-2012 12:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	52.72
68	Less than 2.00% of mass 69	0.28 (0.64)
69	Present	43.91
70	Less than 2.00% of mass 69	0.20 (0.46)
127	25.00 - 75.00% of mass 198	50.29
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.66
275	10.00 - 30.00% of mass 198	22.89
365	Greater than 0.75% of mass 198	2.54
441	Present, but less than mass 443%	8.86 (73.05)
442	40.00 - 110.00% of mass 198	62.91
443	15.00 - 24.00% of mass 442	12.13 (19.28)

Report Date: 31-Dec-2012 12:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\B1.D\8270_hp7.rslt\spectra.d
Injection Date: 29-Dec-2012 12:15:30
Spectrum: Tune Spec: Scans 1497-1499(9.87-9.88) Bgrd 1493(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 381

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	584	142.00	4311	240.00	1904	345.00	50
37.00	1215	143.00	2566	241.00	2149	346.00	2426
38.00	3844	144.00	1194	242.00	4706	347.00	593
39.00	23360	145.00	506	243.00	2701	348.00	102
40.00	115	146.00	2720	244.00	63152	349.00	50
41.00	960	147.00	6478	245.00	7422	350.00	170
42.00	150	148.00	17488	246.00	11323	352.00	3966
45.00	218	149.00	3202	247.00	2595	353.00	2864
47.00	276	150.00	970	248.00	818	354.00	3475
48.00	68	151.00	1811	249.00	2427	355.00	717
49.00	2391	152.00	896	250.00	894	356.00	253
50.00	87184	153.00	4038	251.00	997	357.00	76
51.00	333184	154.00	3157	252.00	1221	358.00	122
52.00	16336	155.00	8776	253.00	1396	359.00	288
53.00	279	156.00	12180	255.00	340928	360.00	252
55.00	772	157.00	2499	256.00	44864	361.00	168
56.00	9574	158.00	2178	257.00	4018	362.00	57
57.00	19392	159.00	2257	258.00	16095	363.00	94
58.00	1518	160.00	4930	259.00	3132	364.00	267
61.00	4090	161.00	7335	260.00	631	365.00	16075
62.00	4585	162.00	2243	261.00	556	366.00	1966
63.00	11915	163.00	725	262.00	130	367.00	40
64.00	1600	164.00	1010	263.00	310	369.00	78
65.00	5964	165.00	5212	264.00	1006	370.00	314
66.00	470	166.00	4160	265.00	6333	371.00	880
68.00	1784	167.00	27208	266.00	1498	372.00	6389
69.00	277504	168.00	15627	269.00	205	373.00	1398
70.00	1269	169.00	2953	270.00	267	374.00	218
72.00	23	170.00	937	271.00	667	377.00	419
73.00	2093	171.00	928	272.00	1603	380.00	57
74.00	26464	172.00	2143	273.00	10974	382.00	378
75.00	47736	173.00	3887	274.00	26720	383.00	1181
76.00	15941	174.00	5745	275.00	144640	384.00	369

Report Date: 31-Dec-2012 12:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\B1.D\8270_hp7.rslt\spectra.d
Injection Date: 29-Dec-2012 12:15:30
Spectrum: Tune Spec: Scans 1497-1499(9.87-9.88) Bgrd 1493(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 381

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	340096	175.00	11570	276.00	18768	385.00	275
78.00	21232	176.00	2821	277.00	11461	387.00	82
79.00	20120	177.00	4429	278.00	2034	389.00	181
80.00	15444	178.00	2853	279.00	362	390.00	962
81.00	22032	179.00	20560	282.00	641	391.00	755
82.00	5059	180.00	16680	283.00	1708	392.00	905
83.00	4042	181.00	5663	284.00	1159	393.00	160
84.00	1073	182.00	1100	285.00	2386	395.00	173
85.00	4960	183.00	878	286.00	752	396.00	175
86.00	5941	184.00	1875	287.00	68	397.00	77
87.00	2821	185.00	9258	288.00	135	399.00	72
88.00	1101	186.00	82536	289.00	659	401.00	653
89.00	381	187.00	23272	290.00	576	402.00	2259
91.00	4096	188.00	2559	291.00	528	403.00	2899
92.00	5242	189.00	4310	292.00	828	404.00	1077
93.00	32248	190.00	1159	293.00	2550	405.00	350
94.00	2530	191.00	1682	294.00	1037	406.00	58
95.00	589	192.00	7372	295.00	463	407.00	193
96.00	493	193.00	5722	296.00	36320	409.00	173
97.00	114	194.00	2063	297.00	5258	410.00	161
98.00	23632	195.00	1441	298.00	566	412.00	63
99.00	18776	196.00	18408	299.00	180	414.00	81
100.00	1511	198.00	631936	300.00	298	415.00	212
101.00	10536	199.00	42096	301.00	535	416.00	148
102.00	433	200.00	3152	302.00	436	417.00	197
103.00	3481	201.00	2309	303.00	4241	420.00	100
104.00	6658	202.00	1569	304.00	1086	421.00	2795
105.00	7199	203.00	3982	305.00	423	422.00	2842
106.00	1108	204.00	21392	306.00	54	423.00	21744
107.00	91088	205.00	39704	307.00	92	424.00	3570
108.00	12741	206.00	160192	308.00	1001	425.00	652
109.00	1165	207.00	23664	309.00	647	427.00	196
110.00	160448	208.00	4992	310.00	484	429.00	59
111.00	24352	209.00	1813	312.00	231	430.00	251

Report Date: 31-Dec-2012 12:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\B1.D\8270_hp7.rslt\spectra.d
Injection Date: 29-Dec-2012 12:15:30
Spectrum: Tune Spec: Scans 1497-1499(9.87-9.88) Bgrd 1493(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 381

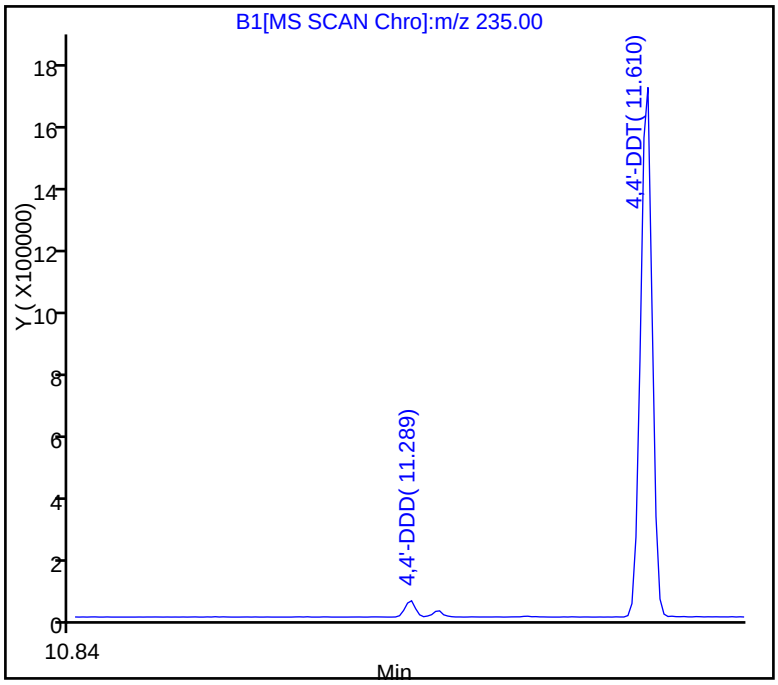
m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	2915	210.00	2542	313.00	499	431.00	148
113.00	961	211.00	6683	314.00	2561	432.00	263
114.00	199	212.00	965	315.00	3846	433.00	134
116.00	4430	213.00	491	316.00	2398	434.00	652
117.00	68432	214.00	216	317.00	481	435.00	325
118.00	5322	215.00	1404	318.00	195	436.00	284
119.00	526	216.00	2368	319.00	193	437.00	205
120.00	1460	217.00	39992	320.00	264	438.00	123
121.00	506	218.00	4368	321.00	1628	439.00	441
122.00	4883	219.00	766	322.00	955	440.00	113
123.00	6899	220.00	571	323.00	11635	441.00	56000
124.00	3119	221.00	36080	324.00	2271	442.00	397568
125.00	3791	223.00	8766	325.00	255	443.00	76656
126.00	366	224.00	83224	326.00	468	444.00	6650
127.00	317824	225.00	21320	327.00	2429	445.00	408
128.00	23592	226.00	2175	328.00	1415	447.00	64
129.00	114792	227.00	33736	329.00	264	449.00	65
130.00	9085	228.00	4577	330.00	220	455.00	97
131.00	1869	229.00	7036	332.00	922	456.00	99
132.00	1393	230.00	790	333.00	1167	457.00	56
133.00	183	231.00	3746	334.00	8129	474.00	57
134.00	3113	232.00	716	335.00	2300	479.00	77
135.00	8299	233.00	362	336.00	202	481.00	107
136.00	3670	234.00	2649	337.00	59	492.00	216
137.00	3754	235.00	2961	339.00	229	493.00	63
138.00	1273	236.00	2021	340.00	68	494.00	56
139.00	343	237.00	2927	341.00	1549		
140.00	439	238.00	378	342.00	588		
141.00	12384	239.00	1055	344.00	75		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\B1.D		
Injection Date:	29-Dec-2012 12:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 1779752
163 4,4'-DDD, Area = 19609
164 4,4'-DDE, Area = 6575

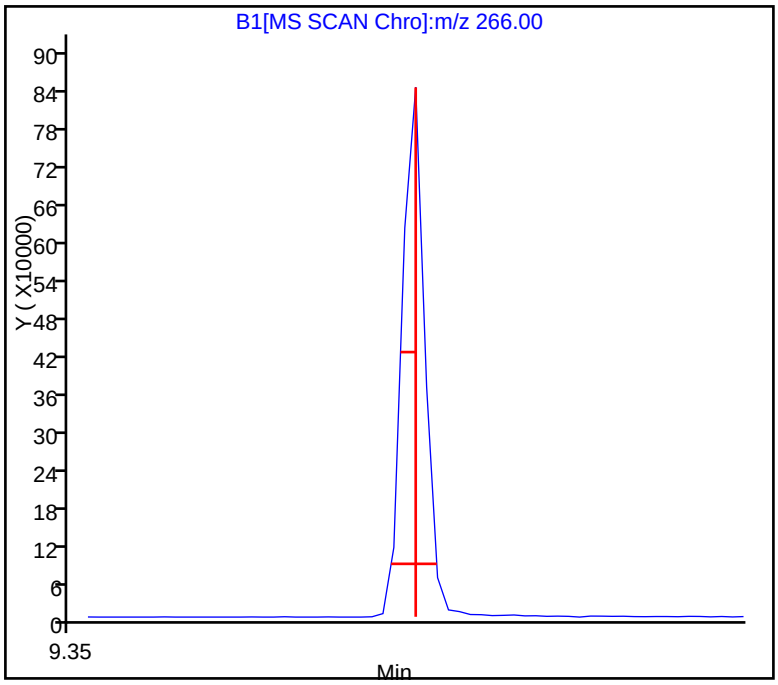
%Breakdown: 1.45%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\B1.D		
Injection Date:	29-Dec-2012 12:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 0.9, Max. Tailing < 5.00
Passed

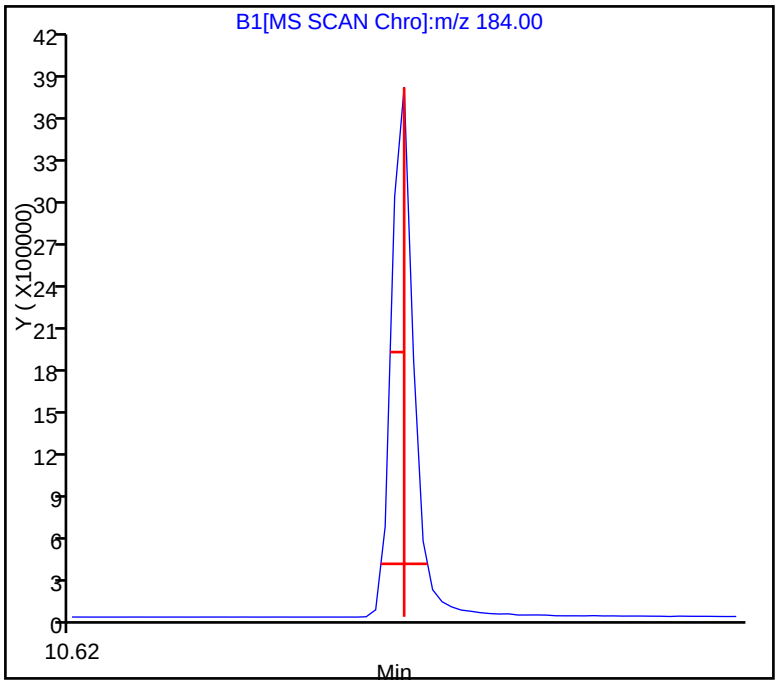
Report Date: 31-Dec-2012 12:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\B1.D		
Injection Date:	29-Dec-2012 12:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69432/23-A

Matrix: Solid | Lab File ID: 21228005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/28/2012 11:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.7	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.7	3.3	3.3
120-12-7	Anthracene	3.3	U	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U	6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	22.5	J	50	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	50	27	10
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	50	27	13
218-01-9	Chrysene	3.3	U	6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.7	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	50	27	9.7
541-73-1	1,3-Dichlorobenzene	27	U	50	27	11
106-46-7	1,4-Dichlorobenzene	27	U	50	27	20
91-94-1	3,3'-Dichlorobenzidine	80	U	100	80	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	50	27	16
105-67-9	2,4-Dimethylphenol	80	U	150	80	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69432/23-A

Matrix: Solid | Lab File ID: 21228005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/28/2012 11:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	80	U	150	80	80
51-28-5	2,4-Dinitrophenol	80	U	330	80	80
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	50	27	27
206-44-0	Fluoranthene	3.3	U	6.7	3.3	3.3
86-73-7	Fluorene	3.3	U	6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	3.3	U	6.7	3.3	3.3
95-48-7	2-Methylphenol	80	U	200	80	80
15831-10-4	3 & 4 Methylphenol	80	U	400	80	20
91-20-3	Naphthalene	3.3	U	6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.1
99-09-2	3-Nitroaniline	80	U	200	80	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	80	U	330	80	80
621-64-7	N-Nitrosodi-n-propylamine	27	U	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	50	27	21
87-86-5	Pentachlorophenol	80	U	150	80	80
85-01-8	Phenanthrene	3.3	U	6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	3.3	U	6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	80	U	150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69432/23-A

Matrix: Solid | Lab File ID: 21228005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/28/2012 11:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		45-105
367-12-4	2-Fluorophenol (Surr)	77		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	59		35-100
4165-62-2	Phenol-d5 (Surr)	76		40-100
1718-51-0	Terphenyl-d14 (Surr)	75		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	70		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228005.D
Lims ID: MB 240-69432/23-A
Client ID:
Inject. Date: 28-Dec-2012 11:25:30
Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016244-005
Misc. Info.: MB 240-69432/23-A
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 5
Lims Batch ID: 70417
Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\8270_hp7.m
Last Update: 28-Dec-2012 13:47:32
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK012

First Level Reviewer: gruberj
Date: 28-Dec-2012 12:54:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.841	5.841	0.0	97	208775	4.00	
* 2 Naphthalene-d8	136	6.959	6.959	0.0	99	840236	4.00	
* 3 Acenaphthene-d10	164	8.451	8.451	0.0	92	494446	4.00	
* 4 Phenanthrene-d10	188	9.702	9.703	0.0	98	769017	4.00	
* 5 Chrysene-d12	240	12.200	12.200	0.0	94	773159	4.00	
* 6 Perylene-d12	264	14.227	14.227	0.0	96	607203	4.00	
$ 7 2-Fluorophenol	112	4.584	4.573	0.011	94	742193	11.6	
$ 8 Phenol-d5	99	5.488	5.488	0.0	97	973661	11.4	
$ 9 Nitrobenzene-d5	82	6.327	6.333	-0.006	94	550580	5.95	
$ 10 2-Fluorobiphenyl (Surr)	172	7.868	7.868	0.0	99	1033343	5.83	
$ 11 2,4,6-Tribromophenol	330	9.109	9.114	-0.005	86	175023	10.5	
$ 12 Terphenyl-d14	244	11.040	11.045	-0.005	98	1181434	7.47	
16 2,3-Dichlorophenol	1		0.000					
21 Octachlorostyrene	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
17 4-Chlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
22 3-Methylcatechol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					
24 1,4-Dioxane	88		2.316					9
25 N-Nitrosodimethylamine	74		2.755					
26 Pyridine	79		2.808					
232 1-Methyl-2-pyrrilidinone	99	3.284	3.271	0.013	0	234	0	
27 Ethyl methacrylate	69		3.493					
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54		3.894					9
30 2-Picoline	93		3.910					
31 N-Nitrosomethylethylamine	88		4.049					
32 Malononitrile	66		4.263					9
33 Acrylamide	71	4.375	4.382	-0.007	1	123	0	
34 Methyl methanesulfonate	80		4.402					
29 3-Picoline	93		4.455					
233 n,n'-Dimethylacetamide	44	4.493	4.488	0.005	0	609	0	
35 N-Nitrosodiethylamine	102		4.819					
36 Ethyl methanesulfonate	79		5.119					9
37 2-Methylcyclohexanone	68	5.322	5.327	-0.005	1	345	0	
38 3-Methylcyclohexanone	69	5.370	5.365	0.005	14	113	0	
39 4-Methylcyclohexanone	55	5.413	5.413	0.0	1	3149	0	
40 Benzaldehyde	77		5.445					
41 Phenol	94		5.498					9
42 Phenylmercaptan	110		5.500					
43 Aniline	93		5.541					9
45 Pentachloroethane	167		5.589					
44 Bis(2-chloroethyl)ether	93		5.595					9
46 2-Chlorophenol	128		5.648					9
47 1,3-Dichlorobenzene	146		5.793					9
48 1,4-Dichlorobenzene	146		5.857					9
49 Benzyl alcohol	108		5.958					9
50 1,2-Dichlorobenzene	146		5.996					
51 2-Methylphenol	108		6.049					9
52 2,2'-oxybis[1-chloropropane]	45		6.076					
53 Indene	115		6.083					9
55 N-Nitrosopyrrolidine	100		6.172					
191 3 & 4 Methylphenol	108		6.178					
56 N-Nitrosodi-n-propylamine	70		6.188					9
57 Acetophenone	105		6.194					9
58 N-Nitrosomorpholine	56		6.210					
59 2-Toluidine	106		6.226					
60 Hexachloroethane	117		6.301					
61 Nitrobenzene	77		6.349					
62 N-Nitrosopiperidine	114		6.477					
63 Isophorone	82		6.552					
65 2-Nitrophenol	139		6.627					
66 1,3,5-Trichlorobenzene	180		6.638					
64 2,4-Dimethylphenol	107		6.643					9
67 o,o',o''-Triethylphosphorothioat	198		6.702					
69 Benzoic acid	122		6.707					9
68 Bis(2-chloroethoxy)methane	93		6.729					9
70 alpha,alpha-Dimethyl phenethylam	58		6.804					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.830					
72 1,2,4-Trichlorobenzene	180		6.905					
73 Naphthalene	128		6.980					9
74 4-Chloroaniline	127		7.012					
75 2,6-Dichlorophenol	162		7.023					
76 Hexachloropropene	213		7.055					
77 Hexachlorobutadiene	225		7.076					
78 1,2,3-Trichlorobenzene	180		7.103					
79 Benzothiazole	135		7.206					9
80 Quinoline	129		7.271					
81 N-Nitrosodi-n-butylamine	84		7.285					9
83 Caprolactam	113		7.296					
82 p-Phenylene diamine	108		7.312					
84 4-Chloro-3-methylphenol	107		7.408					
93 Safrole, Total	162		7.477					
85 2-Methylnaphthalene	142		7.568					
86 1-Methylnaphthalene	142		7.654					
87 1,2,3,5-Tetrachlorobenzene	216		7.697					
88 Hexachlorocyclopentadiene	237		7.697					
89 1,2,4,5-Tetrachlorobenzene	216		7.707					
225 Isosafrole Peak 1	162		7.724					149
90 2,4,6-Trichlorophenol	196		7.798					
91 2,4,5-Trichlorophenol	196		7.825					
227 Isosafrole Peak 2	162		7.916					19
94 2,4-Toluene diamine	121		7.937					9
96 1,2,3,4 -Tetrachlorobenzene	216		7.948					
95 1,1'-Biphenyl	154		7.959					
98 2-Chloronaphthalene	162		7.980					
97 3,4-Dichloronitrobenzene	109		7.993					
99 Phenyl ether	170		8.051					
100 2-Nitroaniline	65		8.055					9
101 1,4-Naphthoquinone	158		8.125					
104 1,3-Dinitrobenzene	168		8.167					
103 Dimethyl phthalate	163		8.194					
102 1,4-Dinitrobenzene	168		8.226					
105 2,6-Dinitrotoluene	165		8.253					
106 1,2-Dinitrobenzene	168		8.301					
107 Acenaphthylene	152		8.333					
108 3-Nitroaniline	138		8.397					
110 Acenaphthene	153		8.478					
109 2,4-Dinitrophenol	184		8.483					
111 4-Nitrophenol	109		8.515					9
113 Pentachlorobenzene	250		8.585					
112 2,4-Dinitrotoluene	165		8.595					
114 Dibenzofuran	168		8.622					
115 2,3,5,6-Tetrachlorophenol	232		8.681					
116 1-Naphthylamine	143		8.686					
117 2,3,4,6-Tetrachlorophenol	232		8.713					
118 2-Naphthylamine	143		8.750					
119 Diethyl phthalate	149		8.782					9
120 Thionazin	97		8.852					9
121 4-Chlorophenyl phenyl ether	204		8.900					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
122 N-Nitro-o-toluidine	152		8.906					9
123 4-Nitroaniline	138		8.911					
124 Fluorene	166		8.911					
126 4,6-Dinitro-2-methylphenol	198		8.938					
125 Tributyl phosphate	99		8.948					
128 Diphenylamine	169		8.991					
130 N-Nitrosodiphenylamine	169		8.996					
131 Azobenzene	77		9.034					
129 1,2-Diphenylhydrazine	77		9.034					
132 Sulfotepp	202		9.103					
133 1,3,5-Trinitrobenzene	213		9.189					
228 Diallate Peak 1	86		9.226					14
135 Phenacetin	108		9.232					
136 Phorate	121		9.237					
230 Diallate Peak 2	86		9.307					
137 4-Bromophenyl phenyl ether	248		9.312					
139 Hexachlorobenzene	284		9.376					
138 Dimethoate	87		9.382					
140 Atrazine	200		9.424					
127 4-Aminobiphenyl	169		9.526					
141 Pentachlorophenol	266		9.531					
143 Pentachloronitrobenzene	237		9.542					
142 Pronamide	173		9.558					
145 Dinoseb	211		9.670					
144 Disulfoton	88		9.676					9
146 Phenanthrene	178		9.724					9
147 Anthracene	178		9.772					9
149 Carbazole	167		9.895					9
150 Methyl parathion	109		9.991					
151 Di-n-butyl phthalate	149		10.152					
152 Diphenylsulfone	125		10.175					
153 Ethyl Parathion	97		10.312					9
154 4-Nitroquinoline-1-oxide	190		10.366					
155 Methapyrilene	58		10.409					9
156 Isodrin	66		10.601					
157 Fluoranthene	202		10.729					
158 Benzidine	184		10.820					
160 Pyrene	202		10.933					9
164 4,4'-DDE	246		10.981					9
226 Aramite Peak 1	185		11.002					
229 Aramite Peak 2	185		11.072					
161 p-Dimethylamino azobenzene	225		11.173					
162 Chlorobenzilate	139		11.205					
163 4,4'-DDD	235		11.345					
165 Famphur	218		11.457					
166 Butyl benzyl phthalate	149		11.510					9
167 3,3'-Dimethylbenzidine	212		11.510					
168 4,4'-DDT	235		11.628					
169 2-Acetylaminofluorene	181		11.788					
170 3,3'-Dimethoxybenzidine	244		12.104					
172 4,4'-Methylene bis(2-chloroanili	231		12.141					9
173 3,3'-Dichlorobenzidine	252		12.141					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
171 Bis(2-ethylhexyl) phthalate	149	12.163	12.163	0.0	92	26399	0.3379	
175 Benzo[a]anthracene	228		12.195					9
176 Chrysene	228		12.238					9
174 Hexabromobenzene	232		12.239					
177 6-Methylchrysene	242		12.839					
178 Di-n-octyl phthalate	149		13.045					
179 7,12-Dimethylbenz(a)anthracene	256		13.639					
180 Benzo[b]fluoranthene	252		13.660					
181 Benzo[k]fluoranthene	252		13.703					
182 Benzo[a]pyrene	252		14.147					9
183 3-Methylcholanthrene	268		14.666					9
184 Dibenz[a,j]acridine	279		15.524					
185 Dibenz[a,h]acridine	279		15.593					
186 Indeno[1,2,3-cd]pyrene	276		15.853					
187 Dibenz(a,h)anthracene	278		15.880					
188 Benzo[g,h,i]perylene	276		16.281					
S 189 Methyl Phenols,Total	100		0.000					7
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.027	3.050	-0.023	1	62	0	
T 194 Octadecane (TIC)	254	6.381	6.300	0.081	1	48	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

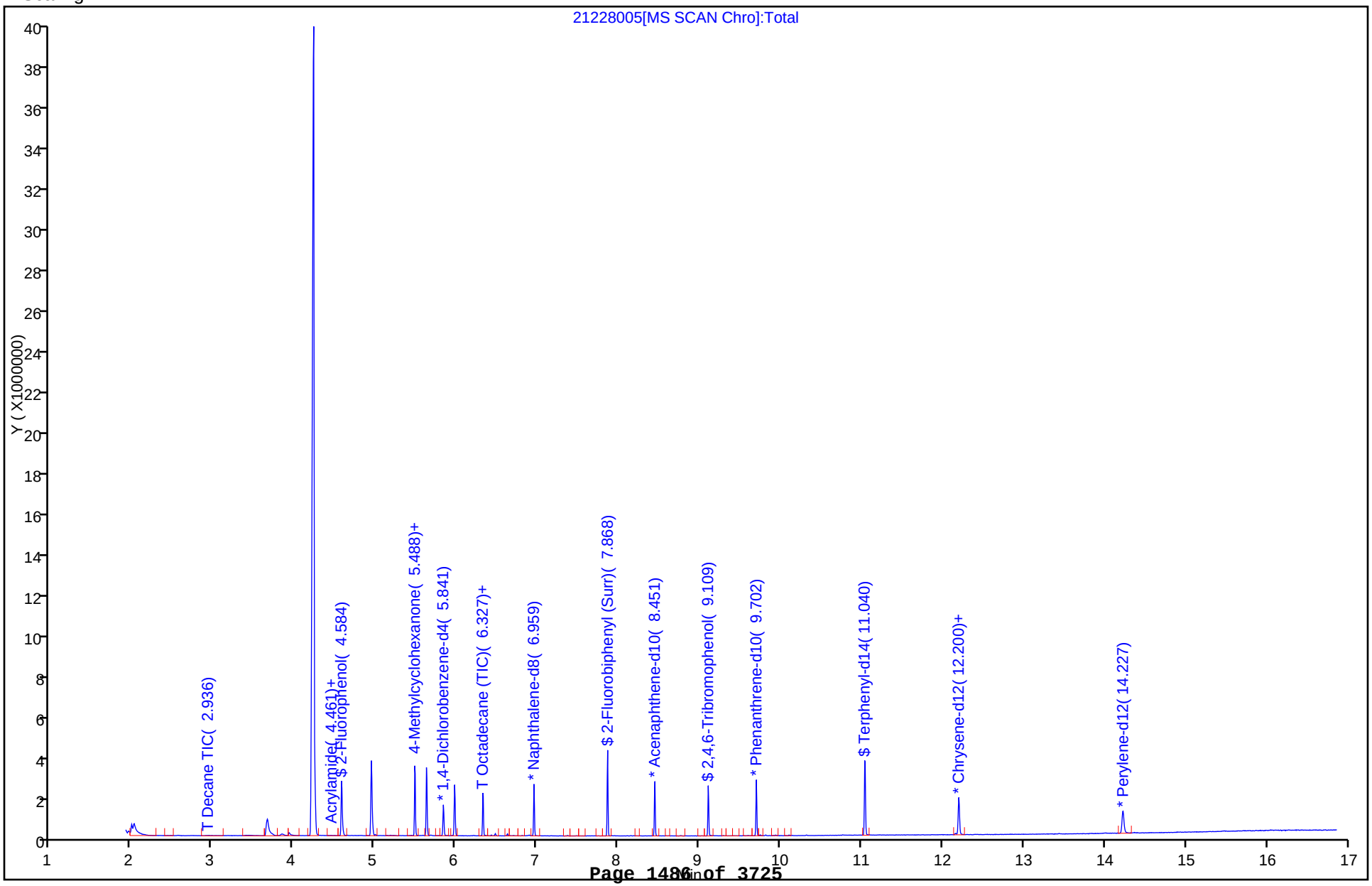
Report Date: 28-Dec-2012 13:47:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228005.D

Injection Date:	28-Dec-2012 11:25:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



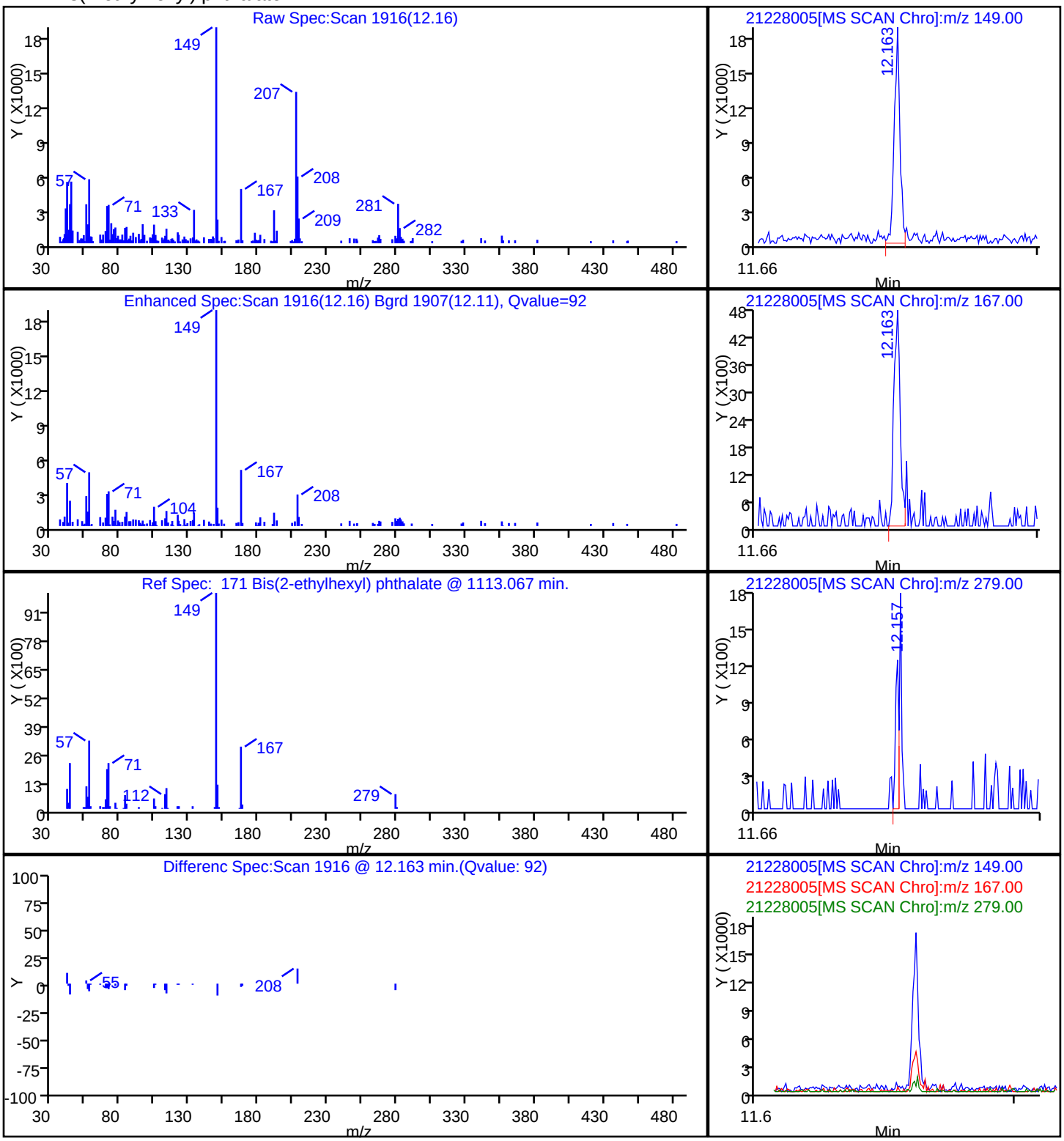
Report Date: 28-Dec-2012 13:47:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228005.D

Injection Date:	28-Dec-2012 11:25:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69446/11-A

Matrix: Solid | Lab File ID: 21226004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.00(g) | Date Analyzed: 12/26/2012 10:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.7	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.7	3.3	3.3
120-12-7	Anthracene	3.3	U	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U	6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	27	U	50	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	50	27	10
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	50	27	13
218-01-9	Chrysene	3.3	U	6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.7	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	50	27	9.7
541-73-1	1,3-Dichlorobenzene	27	U	50	27	11
106-46-7	1,4-Dichlorobenzene	27	U	50	27	20
91-94-1	3,3'-Dichlorobenzidine	80	U	100	80	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	50	27	16
105-67-9	2,4-Dimethylphenol	80	U	150	80	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69446/11-A

Matrix: Solid | Lab File ID: 21226004.D

Analysis Method: 8270C/DoD | Date Collected:

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Sample wt/vol: 30.00(g) | Date Analyzed: 12/26/2012 10:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	80	U	150	80	80
51-28-5	2,4-Dinitrophenol	80	U	330	80	80
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	50	27	27
206-44-0	Fluoranthene	3.3	U	6.7	3.3	3.3
86-73-7	Fluorene	3.3	U	6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	3.3	U	6.7	3.3	3.3
95-48-7	2-Methylphenol	80	U	200	80	80
15831-10-4	3 & 4 Methylphenol	80	U	400	80	20
91-20-3	Naphthalene	3.3	U	6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.1
99-09-2	3-Nitroaniline	80	U	200	80	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	80	U	330	80	80
621-64-7	N-Nitrosodi-n-propylamine	27	U	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	50	27	21
87-86-5	Pentachlorophenol	80	U	150	80	80
85-01-8	Phenanthrene	3.3	U	6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	3.3	U	6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	80	U	150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69446/11-A

Matrix: Solid | Lab File ID: 21226004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.00(g) | Date Analyzed: 12/26/2012 10:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	56		45-105
367-12-4	2-Fluorophenol (Surr)	74		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	58		35-100
4165-62-2	Phenol-d5 (Surr)	74		40-100
1718-51-0	Terphenyl-d14 (Surr)	72		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	64		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226004.D
Lims ID: MB 240-69446/11-A
Client ID:
Inject. Date: 26-Dec-2012 10:01:30
Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016171-004
Misc. Info.: MB 240-69446/11-A
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 4
Lims Batch ID: 70078
Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\8270_hp7.m
Last Update: 27-Dec-2012 09:55:09
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: gruberj
Date: 26-Dec-2012 11:17:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.860	5.861	-0.001	97	211661	4.00	
* 2 Naphthalene-d8	136	6.978	6.979	-0.001	99	852564	4.00	
* 3 Acenaphthene-d10	164	8.471	8.471	0.0	91	503478	4.00	
* 4 Phenanthrene-d10	188	9.722	9.722	0.0	97	778105	4.00	
* 5 Chrysene-d12	240	12.236	12.236	0.0	94	809572	4.00	
* 6 Perylene-d12	264	14.274	14.274	0.0	92	636442	4.00	
$ 7 2-Fluorophenol	112	4.609	4.598	0.011	95	723182	11.1	
$ 8 Phenol-d5	99	5.507	5.502	0.005	91	956497	11.1	
$ 9 Nitrobenzene-d5	82	6.347	6.347	0.0	93	544599	5.80	
$ 10 2-Fluorobiphenyl (Surr)	172	7.882	7.882	0.0	100	1013669	5.62	
$ 11 2,4,6-Tribromophenol	330	9.128	9.129	-0.001	85	163540	9.66	
$ 12 Terphenyl-d14	244	11.065	11.070	-0.005	98	1195488	7.22	
241 Tricresyl phosphate TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
22 3-Methylcatechol	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
20 2,5-Dichlorophenol	1		0.000					
21 Octachlorostyrene	1		0.000					
24 1,4-Dioxane	88		2.373					9
25 N-Nitrosodimethylamine	74		2.817					
26 Pyridine	79		2.881					
232 1-Methyl-2-pyrrilidinone	99		3.271					14
27 Ethyl methacrylate	69		3.545					9
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54		3.930					
30 2-Picoline	93		4.067					9
31 N-Nitrosomethylethylamine	88		4.201					
32 Malononitrile	66		4.294					9
33 Acrylamide	71	4.480	4.485	-0.005	14	174	0	
34 Methyl methanesulfonate	80		4.522					9
29 3-Picoline	93		4.586					9
233 n,n'-Dimethylacetamide	44	4.609	4.613	-0.004	0	6203	0	
35 N-Nitrosodiethylamine	102		4.928					
36 Ethyl methanesulfonate	79		5.217					
37 2-Methylcyclohexanone	68	5.433	5.426	0.006	1	147	0	
38 3-Methylcyclohexanone	69	5.459	5.463	-0.004	16	101	0	
40 Benzaldehyde	77		5.465					
39 4-Methylcyclohexanone	55	5.507	5.511	-0.004	29	6424	0	
41 Phenol	94		5.513					9
43 Aniline	93		5.556					9
42 Phenylmercaptan	110		5.581					
44 Bis(2-chloroethyl)ether	93		5.615					9
46 2-Chlorophenol	128		5.668					9
45 Pentachloroethane	167		5.683					
47 1,3-Dichlorobenzene	146		5.813					9
48 1,4-Dichlorobenzene	146		5.877					9
49 Benzyl alcohol	108		5.973					9
50 1,2-Dichlorobenzene	146		6.010					
51 2-Methylphenol	108		6.064					9
52 2,2'-oxybis[1-chloropropane]	45		6.096					
53 Indene	115		6.159					
191 3 & 4 Methylphenol	108		6.192					
56 N-Nitrosodi-n-propylamine	70		6.208					9
57 Acetophenone	105		6.214					
55 N-Nitrosopyrrolidine	100		6.255					
58 N-Nitrosomorpholine	56		6.287					9
59 2-Toluidine	106		6.308					9
60 Hexachloroethane	117		6.315					
61 Nitrobenzene	77		6.363					9
62 N-Nitrosopiperidine	114		6.560					
63 Isophorone	82		6.567					9
65 2-Nitrophenol	139		6.642					
66 1,3,5-Trichlorobenzene	180		6.652					
64 2,4-Dimethylphenol	107		6.658					
69 Benzoic acid	122		6.722					9
68 Bis(2-chloroethoxy)methane	93		6.749					
67 o,o',o''-Triethylphosphorothioat	198		6.779					
71 2,4-Dichlorophenol	162		6.845					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 alpha,alpha-Dimethyl phenethylam	58		6.886					9
72 1,2,4-Trichlorobenzene	180		6.925					9
73 Naphthalene	128		6.995					9
74 4-Chloroaniline	127		7.032					
77 Hexachlorobutadiene	225		7.091					
75 2,6-Dichlorophenol	162		7.100					
78 1,2,3-Trichlorobenzene	180		7.118					
76 Hexachloropropene	213		7.132					9
79 Benzothiazole	135		7.277					9
83 Caprolactam	113		7.315					
80 Quinoline	129		7.341					9
81 N-Nitrosodi-n-butylamine	84		7.362					
82 p-Phenylene diamine	108		7.389					
84 4-Chloro-3-methylphenol	107		7.422					
93 Safrole, Total	162		7.560					
85 2-Methylnaphthalene	142		7.583					9
86 1-Methylnaphthalene	142		7.668					9
87 1,2,3,5-Tetrachlorobenzene	216		7.711					
88 Hexachlorocyclopentadiene	237		7.711					
89 1,2,4,5-Tetrachlorobenzene	216		7.785					
225 Isosafrole Peak 1	162		7.806					
90 2,4,6-Trichlorophenol	196		7.813					
91 2,4,5-Trichlorophenol	196		7.840					
94 2,4-Toluene diamine	121		7.957					9
96 1,2,3,4 -Tetrachlorobenzene	216		7.968					9
95 1,1'-Biphenyl	154		7.973					
227 Isosafrole Peak 2	162		7.993					
98 2-Chloronaphthalene	162		8.000					
97 3,4-Dichloronitrobenzene	109		8.063					9
100 2-Nitroaniline	65		8.070					
99 Phenyl ether	170		8.122					
101 1,4-Naphthoquinone	158		8.202					
103 Dimethyl phthalate	163		8.214					9
102 1,4-Dinitrobenzene	168		8.245					
105 2,6-Dinitrotoluene	165		8.268					
104 1,3-Dinitrobenzene	168		8.303					
106 1,2-Dinitrobenzene	168		8.316					
107 Acenaphthylene	152		8.353					
108 3-Nitroaniline	138		8.417					
110 Acenaphthene	153		8.498					
109 2,4-Dinitrophenol	184		8.503					
111 4-Nitrophenol	109		8.530					9
112 2,4-Dinitrotoluene	165		8.610					
114 Dibenzofuran	168		8.642					
113 Pentachlorobenzene	250		8.667					
115 2,3,5,6-Tetrachlorophenol	232		8.695					
116 1-Naphthylamine	143		8.769					
117 2,3,4,6-Tetrachlorophenol	232		8.796					
119 Diethyl phthalate	149		8.802					9
118 2-Naphthylamine	143		8.833					
121 4-Chlorophenyl phenyl ether	204		8.915					
123 4-Nitroaniline	138		8.931					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
124 Fluorene	166		8.931					
120 Thionazin	97		8.935					9
126 4,6-Dinitro-2-methylphenol	198		8.952					
122 N-Nitro-o-toluidine	152		8.988					9
130 N-Nitrosodiphenylamine	169		9.011					
125 Tributyl phosphate	99		9.025					
131 Azobenzene	77		9.048					
129 1,2-Diphenylhydrazine	77		9.048					
128 Diphenylamine	169		9.074					9
132 Sulfotepp	202		9.186					
133 1,3,5-Trinitrobenzene	213		9.272					
228 Diallate Peak 1	86		9.309					
135 Phenacetin	108		9.314					
136 Phorate	121		9.320					
137 4-Bromophenyl phenyl ether	248		9.332					
230 Diallate Peak 2	86		9.389					1
139 Hexachlorobenzene	284		9.391					
140 Atrazine	200		9.444					
138 Dimethoate	87		9.464					
141 Pentachlorophenol	266		9.551					
127 4-Aminobiphenyl	169		9.614					
143 Pentachloronitrobenzene	237		9.630					
142 Pronamide	173		9.641					
146 Phenanthrene	178		9.744					9
145 Dinoseb	211		9.753					
144 Disulfoton	88		9.758					9
147 Anthracene	178		9.787					9
149 Carbazole	167		9.910					
150 Methyl parathion	109		10.079					9
151 Di-n-butyl phthalate	149		10.172					
152 Diphenylsulfone	125		10.250					
153 Ethyl Parathion	97		10.400					
154 4-Nitroquinoline-1-oxide	190		10.454					
155 Methapyrilene	58		10.496					9
156 Isodrin	66		10.694					
157 Fluoranthene	202		10.749					
158 Benzidine	184		10.846					
160 Pyrene	202		10.953					
164 4,4'-DDE	246		11.011					9
226 Aramite Peak 1	185		11.095					
229 Aramite Peak 2	185		11.170					
161 p-Dimethylamino azobenzene	225		11.277					
162 Chlorobenzilate	139		11.309					
163 4,4'-DDD	235		11.375					
166 Butyl benzyl phthalate	149		11.536					
165 Famphur	218		11.566					
167 3,3'-Dimethylbenzidine	212		11.625					
168 4,4'-DDT	235		11.658					
169 2-Acetylaminofluorene	181		11.908					
170 3,3'-Dimethoxybenzidine	244		12.135					
172 4,4'-Methylene bis(2-chloroanili	231		12.172					9
173 3,3'-Dichlorobenzidine	252		12.172					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
171 Bis(2-ethylhexyl) phthalate	149	12.193	12.193	0.0	87	12085	0.2244	
175 Benzo[a]anthracene	228		12.226					9
176 Chrysene	228		12.268					9
174 Hexabromobenzene	232		12.383					
177 6-Methylchrysene	242		12.973					
178 Di-n-octyl phthalate	149		13.087					
180 Benzo[b]fluoranthene	252		13.702					
181 Benzo[k]fluoranthene	252		13.745					
179 7,12-Dimethylbenz(a)anthracene	256		13.807					
182 Benzo[a]pyrene	252		14.194					9
183 3-Methylcholanthrene	268		14.850					9
184 Dibenz[a,j]acridine	279		15.695					
185 Dibenz[a,h]acridine	279		15.765					
186 Indeno[1,2,3-cd]pyrene	276		15.905					
187 Dibenz(a,h)anthracene	278		15.932					
188 Benzo[g,h,i]perylene	276		16.339					
S 189 Methyl Phenols,Total	100		0.000					7
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.074	3.050	0.024	3	55	0	
T 194 Octadecane (TIC)	254	6.251	6.300	-0.049	1	195	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

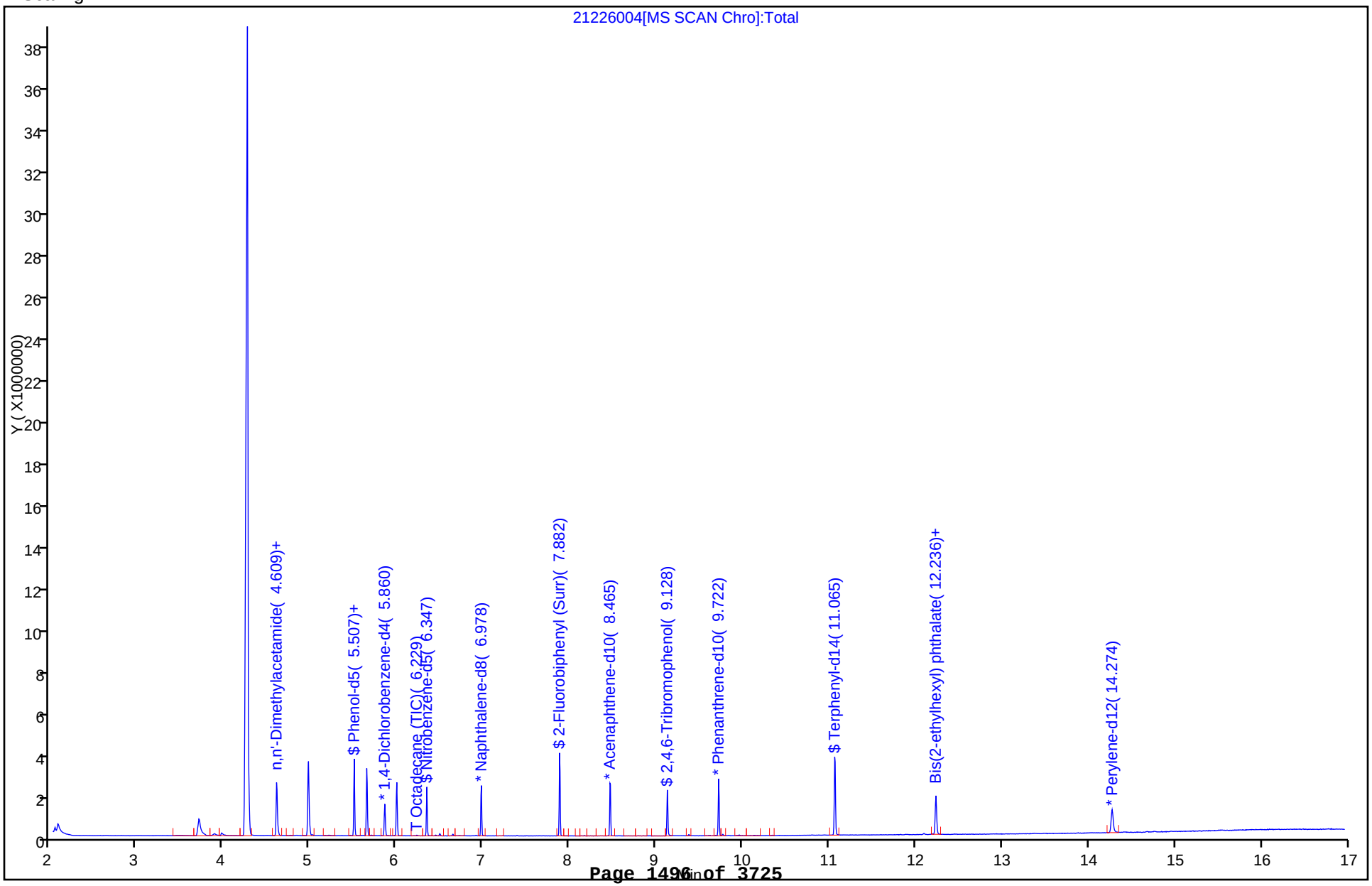
Report Date: 27-Dec-2012 09:55:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226004.D

Injection Date:	26-Dec-2012 10:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69432/24-A

Matrix: Solid | Lab File ID: 21228006.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/28/2012 11:48

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	517		6.7	3.3	3.3
208-96-8	Acenaphthylene	534		6.7	3.3	3.3
120-12-7	Anthracene	584		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	567		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	570		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	603		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	644		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	607		6.7	3.3	3.3
100-51-6	Benzyl alcohol	522		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	443		100	27	22
111-44-4	Bis(2-chloroethyl)ether	427		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	418		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	574		50	27	19
101-55-3	4-Bromophenyl phenyl ether	515		50	27	13
85-68-7	Butyl benzyl phthalate	589		50	27	10
86-74-8	Carbazole	592		50	27	27
106-47-8	4-Chloroaniline	376		150	27	17
59-50-7	4-Chloro-3-methylphenol	547		150	27	21
91-58-7	2-Chloronaphthalene	443		50	3.3	3.3
95-57-8	2-Chlorophenol	514		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	458		50	27	13
218-01-9	Chrysene	591		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	642		6.7	3.3	3.3
132-64-9	Dibenzofuran	499		50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	422		50	27	9.7
541-73-1	1,3-Dichlorobenzene	412		50	27	11
106-46-7	1,4-Dichlorobenzene	507		50	27	20
91-94-1	3,3'-Dichlorobenzidine	336		100	80	18
120-83-2	2,4-Dichlorophenol	550		150	27	20
84-66-2	Diethyl phthalate	551		50	27	16
105-67-9	2,4-Dimethylphenol	361		150	80	20
131-11-3	Dimethyl phthalate	545		50	27	17
84-74-2	Di-n-butyl phthalate	618		50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69432/24-A

Matrix: Solid | Lab File ID: 21228006.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/28/2012 11:48

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	496		150	80	80
51-28-5	2,4-Dinitrophenol	403		330	80	80
121-14-2	2,4-Dinitrotoluene	480		200	27	27
606-20-2	2,6-Dinitrotoluene	491		200	27	21
117-84-0	Di-n-octyl phthalate	568		50	27	27
206-44-0	Fluoranthene	606		6.7	3.3	3.3
86-73-7	Fluorene	537		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	464		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	432		50	27	27
77-47-4	Hexachlorocyclopentadiene	305	J	330	27	27
67-72-1	Hexachloroethane	432		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	648		6.7	3.3	3.3
78-59-1	Isophorone	545		50	27	13
91-57-6	2-Methylnaphthalene	513		6.7	3.3	3.3
95-48-7	2-Methylphenol	505		200	80	80
15831-10-4	3 & 4 Methylphenol	1010		400	80	20
91-20-3	Naphthalene	522		6.7	3.3	3.3
88-74-4	2-Nitroaniline	583		200	27	9.1
99-09-2	3-Nitroaniline	502		200	80	16
100-01-6	4-Nitroaniline	541		200	27	26
98-95-3	Nitrobenzene	454		100	3.3	2.2
88-75-5	2-Nitrophenol	568		50	27	27
100-02-7	4-Nitrophenol	533		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	529		50	27	27
86-30-6	N-Nitrosodiphenylamine	581		50	27	21
87-86-5	Pentachlorophenol	419		150	80	80
85-01-8	Phenanthrene	571		6.7	3.3	3.3
108-95-2	Phenol	534		50	27	27
129-00-0	Pyrene	571		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	430		50	27	27
95-95-4	2,4,5-Trichlorophenol	547		150	27	25
88-06-2	2,4,6-Trichlorophenol	533		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69432/24-A

Matrix: Solid | Lab File ID: 21228006.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/28/2012 11:48

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	62		45-105
367-12-4	2-Fluorophenol (Surr)	79		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	64		35-100
4165-62-2	Phenol-d5 (Surr)	78		40-100
1718-51-0	Terphenyl-d14 (Surr)	73		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	80		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228006.D
Lims ID: LCS 240-69432/24-A Client ID:
Inject. Date: 28-Dec-2012 11:48:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016244-006
Misc. Info.: LCS 240-69432/24-A
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 70417 Lims Sample ID: 6
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\8270_hp7.m
Last Update: 28-Dec-2012 13:47:32 Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK012

First Level Reviewer: gruberj Date: 28-Dec-2012 12:55:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.841	5.841	0.0	96	204625	4.00	
* 2 Naphthalene-d8	136	6.959	6.959	0.0	99	796082	4.00	
* 3 Acenaphthene-d10	164	8.451	8.451	0.0	91	477468	4.00	
* 4 Phenanthrene-d10	188	9.702	9.703	0.0	98	726705	4.00	
* 5 Chrysene-d12	240	12.200	12.200	0.0	91	792126	4.00	
* 6 Perylene-d12	264	14.227	14.227	0.0	91	597338	4.00	
$ 7 2-Fluorophenol	112	4.589	4.573	0.016	95	748058	11.9	
$ 8 Phenol-d5	99	5.493	5.488	0.005	94	974539	11.7	
$ 9 Nitrobenzene-d5	82	6.333	6.333	0.0	92	560136	6.39	
$ 10 2-Fluorobiphenyl (Surr)	172	7.868	7.868	0.0	100	1066340	6.23	
$ 11 2,4,6-Tribromophenol	330	9.109	9.114	-0.005	86	193586	12.1	
$ 12 Terphenyl-d14	244	11.040	11.045	-0.005	98	1177913	7.27	
24 1,4-Dioxane	88	2.295	2.316	-0.021	84	111572	3.85	M
25 N-Nitrosodimethylamine	74	2.749	2.755	-0.006	91	308698	7.75	
26 Pyridine	79	2.803	2.808	-0.005	88	402399	5.67	
30 2-Picoline	93	3.904	3.910	-0.006	95	494253	7.05	
36 Ethyl methanesulfonate	79	5.119	5.119	0.0	96	403053	7.96	
40 Benzaldehyde	77	5.440	5.445	-0.005	91	446904	6.76	
41 Phenol	94	5.504	5.498	0.006	99	701328	8.01	
43 Aniline	93	5.541	5.541	0.0	95	528839	4.65	
44 Bis(2-chloroethyl)ether	93	5.595	5.595	0.0	92	544117	6.40	
46 2-Chlorophenol	128	5.648	5.648	0.0	95	532905	7.71	
47 1,3-Dichlorobenzene	146	5.793	5.793	0.0	95	555076	6.19	
48 1,4-Dichlorobenzene	146	5.857	5.857	0.0	91	566292	7.60	
49 Benzyl alcohol	108	5.958	5.958	0.0	88	337988	7.84	
50 1,2-Dichlorobenzene	146	5.996	5.996	0.0	92	544350	6.33	
51 2-Methylphenol	108	6.049	6.049	0.0	97	475957	7.57	
52 2,2'-oxybis[1-chloropropane]	45	6.076	6.076	0.0	90	759968	6.27	
191 3 & 4 Methylphenol	108	6.183	6.178	0.005	93	1025074	15.2	
56 N-Nitrosodi-n-propylamine	70	6.188	6.188	0.0	90	400296	7.93	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 Acetophenone	105	6.194	6.194	0.0	93	726942	7.45	
60 Hexachloroethane	117	6.295	6.301	-0.006	92	228516	6.48	
61 Nitrobenzene	77	6.349	6.349	0.0	86	618234	6.81	
63 Isophorone	82	6.552	6.552	0.0	97	1078955	8.17	
65 2-Nitrophenol	139	6.627	6.627	0.0	97	277743	8.52	
64 2,4-Dimethylphenol	107	6.643	6.643	0.0	80	366751	5.42	
69 Benzoic acid	122	6.680	6.707	-0.027	87	147445	4.66	
68 Bis(2-chloroethoxy)methane	93	6.729	6.729	0.0	96	658223	6.64	
71 2,4-Dichlorophenol	162	6.830	6.830	0.0	96	436287	8.26	
72 1,2,4-Trichlorobenzene	180	6.905	6.905	0.0	92	457037	6.45	
73 Naphthalene	128	6.980	6.980	0.0	96	1523181	7.83	
74 4-Chloroaniline	127	7.012	7.012	0.0	86	463491	5.65	
77 Hexachlorobutadiene	225	7.076	7.076	0.0	93	249146	6.48	
80 Quinoline	129	7.263	7.271	-0.008	95	969715	8.35	
83 Caprolactam	113	7.290	7.296	-0.006	73	159385	9.11	
84 4-Chloro-3-methylphenol	107	7.408	7.408	0.0	95	463666	8.20	
93 Safrole, Total	162	7.477	7.477	0.0	85	384565	7.72	
85 2-Methylnaphthalene	142	7.563	7.568	-0.005	89	982877	7.70	
86 1-Methylnaphthalene	142	7.649	7.654	-0.005	91	961207	8.03	
88 Hexachlorocyclopentadiene	237	7.697	7.697	0.0	87	184814	4.58	
90 2,4,6-Trichlorophenol	196	7.793	7.798	-0.005	88	300477	8.00	
91 2,4,5-Trichlorophenol	196	7.825	7.825	0.0	92	336867	8.21	
95 1,1'-Biphenyl	154	7.953	7.959	-0.006	95	1172085	7.46	
98 2-Chloronaphthalene	162	7.980	7.980	0.0	96	990643	6.64	
100 2-Nitroaniline	65	8.055	8.055	0.0	80	369110	8.74	
104 1,3-Dinitrobenzene	168	8.167	8.167	0.0	85	158859	6.76	
103 Dimethyl phthalate	163	8.194	8.194	0.0	97	1120322	8.17	
102 1,4-Dinitrobenzene	168	8.226	8.226	0.0	88	182858	8.97	
105 2,6-Dinitrotoluene	165	8.253	8.253	0.0	79	258607	7.37	
106 1,2-Dinitrobenzene	168	8.301	8.301	0.0	88	124977	6.99	
107 Acenaphthylene	152	8.333	8.333	0.0	96	1572196	8.02	
108 3-Nitroaniline	138	8.397	8.397	0.0	91	254476	7.54	
110 Acenaphthene	153	8.478	8.478	0.0	94	947073	7.75	
109 2,4-Dinitrophenol	184	8.483	8.483	0.0	65	88257	6.04	
111 4-Nitrophenol	109	8.510	8.515	-0.005	93	165001	7.99	
112 2,4-Dinitrotoluene	165	8.590	8.595	-0.005	86	345747	7.20	
114 Dibenzofuran	168	8.622	8.622	0.0	89	1349401	7.49	
115 2,3,5,6-Tetrachlorophenol	232	8.681	8.681	0.0	89	237093	7.28	
117 2,3,4,6-Tetrachlorophenol	232	8.713	8.713	0.0	73	244846	7.31	
119 Diethyl phthalate	149	8.782	8.782	0.0	97	1130861	8.26	
121 4-Chlorophenyl phenyl ether	204	8.895	8.900	-0.005	97	550516	6.88	
123 4-Nitroaniline	138	8.911	8.911	0.0	58	271462	8.11	
124 Fluorene	166	8.911	8.911	0.0	91	1158401	8.06	
126 4,6-Dinitro-2-methylphenol	198	8.932	8.938	-0.006	78	162306	7.45	
130 N-Nitrosodiphenylamine	169	8.991	8.996	-0.005	0	857736	8.71	
131 Azobenzene	77	9.028	9.034	-0.006	99	1338422	8.82	
129 1,2-Diphenylhydrazine	77	9.028	9.034	-0.006	0	1338422	8.82	
135 Phenacetin	108	9.232	9.232	0.0	92	554057	9.13	
136 Phorate	121	9.237	9.237	0.0	93	196987	8.78	
137 4-Bromophenyl phenyl ether	248	9.312	9.312	0.0	67	325683	7.73	
139 Hexachlorobenzene	284	9.371	9.376	-0.005	84	292051	6.96	
140 Atrazine	200	9.424	9.424	0.0	89	314273	11.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.531	9.531	0.0	87	150986	6.29	
142 Pronamide	173	9.558	9.558	0.0	87	446013	8.08	
146 Phenanthrene	178	9.724	9.724	0.0	97	1671708	8.57	
147 Anthracene	178	9.767	9.772	-0.005	97	1704852	8.75	
149 Carbazole	167	9.890	9.895	-0.005	82	1656893	8.88	
151 Di-n-butyl phthalate	149	10.152	10.152	0.0	100	1953766	9.26	
157 Fluoranthene	202	10.724	10.729	-0.005	97	1944829	9.08	
160 Pyrene	202	10.927	10.933	-0.006	97	1963706	8.57	
162 Chlorobenzilate	139	11.205	11.205	0.0	87	526362	7.47	
166 Butyl benzyl phthalate	149	11.505	11.510	-0.005	97	822169	8.84	
173 3,3'-Dichlorobenzidine	252	12.136	12.141	-0.005	67	379643	5.04	
171 Bis(2-ethylhexyl) phthalate	149	12.157	12.163	-0.006	97	1193665	8.60	
175 Benzo[a]anthracene	228	12.190	12.195	-0.005	98	1741787	8.51	
176 Chrysene	228	12.232	12.238	-0.006	94	1718991	8.86	
178 Di-n-octyl phthalate	149	13.040	13.045	-0.005	99	1777627	8.53	
180 Benzo[b]fluoranthene	252	13.655	13.660	-0.005	93	1613897	9.05	
181 Benzo[k]fluoranthene	252	13.698	13.703	-0.005	99	1741308	9.10	
182 Benzo[a]pyrene	252	14.142	14.147	-0.005	78	1434350	8.55	
186 Indeno[1,2,3-cd]pyrene	276	15.843	15.853	-0.010	97	1728617	9.72	
187 Dibenz(a,h)anthracene	278	15.869	15.880	-0.011	85	1457746	9.63	
188 Benzo[g,h,i]perylene	276	16.271	16.281	-0.010	86	1504601	9.65	

QC Flag Legend

Review Flags
M - Manually Integrated

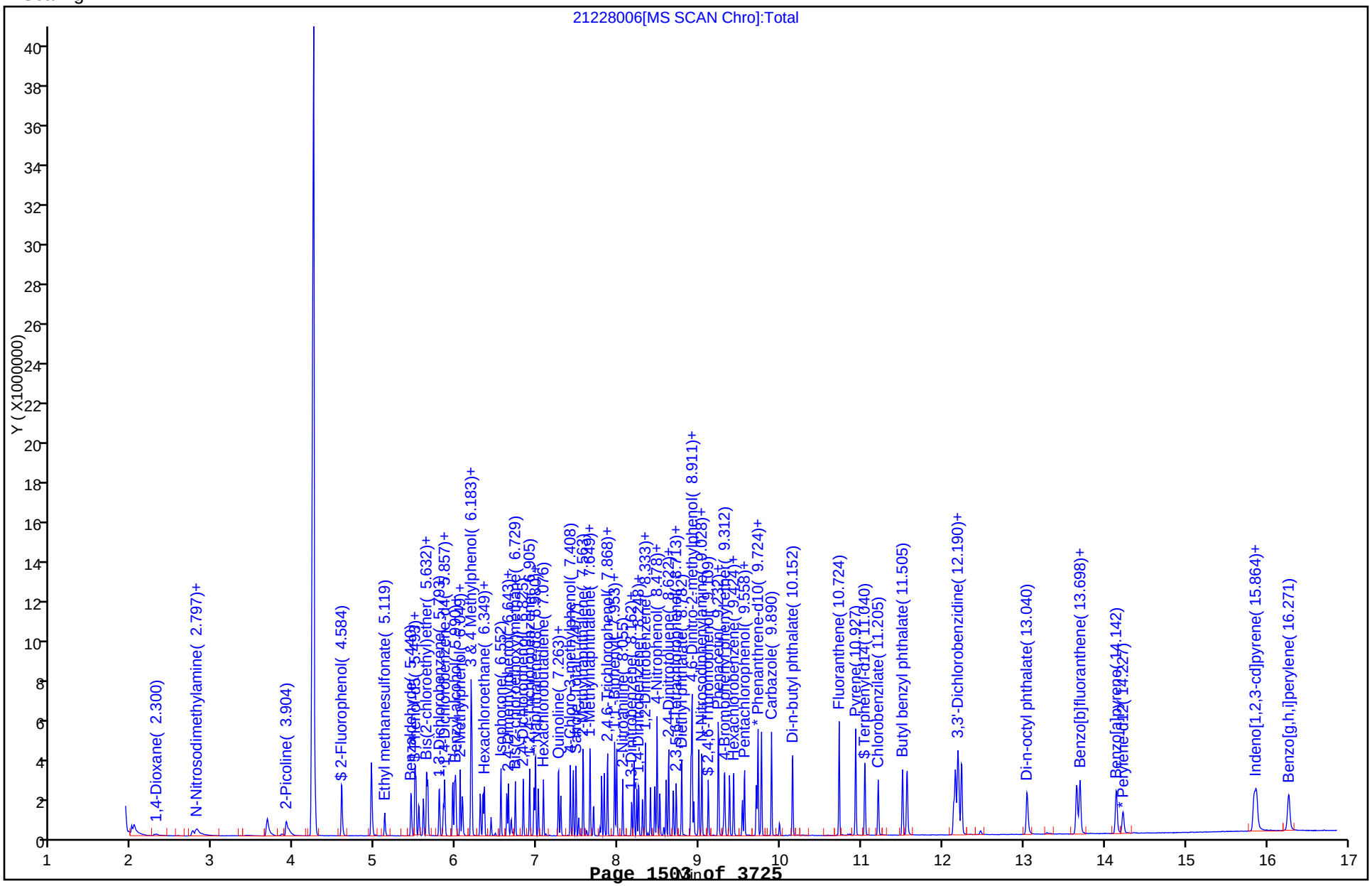
Report Date: 28-Dec-2012 13:47:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228006.D

Injection Date:	28-Dec-2012 11:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69446/12-A

Matrix: Solid | Lab File ID: 21226005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.00(g) | Date Analyzed: 12/26/2012 10:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	503		6.7	3.3	3.3
208-96-8	Acenaphthylene	519		6.7	3.3	3.3
120-12-7	Anthracene	546		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	536		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	523		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	575		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	573		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	554		6.7	3.3	3.3
100-51-6	Benzyl alcohol	485		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	435		100	27	22
111-44-4	Bis(2-chloroethyl)ether	425		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	423		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	525		50	27	19
101-55-3	4-Bromophenyl phenyl ether	469		50	27	13
85-68-7	Butyl benzyl phthalate	550		50	27	10
86-74-8	Carbazole	543		50	27	27
106-47-8	4-Chloroaniline	387		150	27	17
59-50-7	4-Chloro-3-methylphenol	527		150	27	21
91-58-7	2-Chloronaphthalene	428		50	3.3	3.3
95-57-8	2-Chlorophenol	519		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	449		50	27	13
218-01-9	Chrysene	555		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	573		6.7	3.3	3.3
132-64-9	Dibenzofuran	498		50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	421		50	27	9.7
541-73-1	1,3-Dichlorobenzene	410		50	27	11
106-46-7	1,4-Dichlorobenzene	504		50	27	20
91-94-1	3,3'-Dichlorobenzidine	343		100	80	18
120-83-2	2,4-Dichlorophenol	529		150	27	20
84-66-2	Diethyl phthalate	534		50	27	16
105-67-9	2,4-Dimethylphenol	350		150	80	20
131-11-3	Dimethyl phthalate	531		50	27	17
84-74-2	Di-n-butyl phthalate	559		50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69446/12-A

Matrix: Solid | Lab File ID: 21226005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.00(g) | Date Analyzed: 12/26/2012 10:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	477		150	80	80
51-28-5	2,4-Dinitrophenol	414		330	80	80
121-14-2	2,4-Dinitrotoluene	463		200	27	27
606-20-2	2,6-Dinitrotoluene	467		200	27	21
117-84-0	Di-n-octyl phthalate	496		50	27	27
206-44-0	Fluoranthene	555		6.7	3.3	3.3
86-73-7	Fluorene	531		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	445		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	429		50	27	27
77-47-4	Hexachlorocyclopentadiene	256	J	330	27	27
67-72-1	Hexachloroethane	435		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	569		6.7	3.3	3.3
78-59-1	Isophorone	534		50	27	13
91-57-6	2-Methylnaphthalene	523		6.7	3.3	3.3
95-48-7	2-Methylphenol	486		200	80	80
15831-10-4	3 & 4 Methylphenol	1010		400	80	20
91-20-3	Naphthalene	520		6.7	3.3	3.3
88-74-4	2-Nitroaniline	543		200	27	9.1
99-09-2	3-Nitroaniline	480		200	80	16
100-01-6	4-Nitroaniline	525		200	27	26
98-95-3	Nitrobenzene	442		100	3.3	2.2
88-75-5	2-Nitrophenol	535		50	27	27
100-02-7	4-Nitrophenol	531		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	519		50	27	27
86-30-6	N-Nitrosodiphenylamine	545		50	27	21
87-86-5	Pentachlorophenol	387		150	80	80
85-01-8	Phenanthrene	540		6.7	3.3	3.3
108-95-2	Phenol	517		50	27	27
129-00-0	Pyrene	543		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	430		50	27	27
95-95-4	2,4,5-Trichlorophenol	508		150	27	25
88-06-2	2,4,6-Trichlorophenol	510		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69446/12-A

Matrix: Solid | Lab File ID: 21226005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.00(g) | Date Analyzed: 12/26/2012 10:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	61		45-105
367-12-4	2-Fluorophenol (Surr)	79		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	63		35-100
4165-62-2	Phenol-d5 (Surr)	79		40-100
1718-51-0	Terphenyl-d14 (Surr)	72		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	77		35-125

Report Date: 27-Dec-2012 09:55:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226005.D
Lims ID: LCS 240-69446/12-A Client ID:
Inject. Date: 26-Dec-2012 10:25:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016171-005
Misc. Info.: LCS 240-69446/12-A
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 70078 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\8270_hp7.m
Last Update: 27-Dec-2012 09:55:09 Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: gruberj Date: 26-Dec-2012 13:07:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.861	5.861	0.0	97	197898	4.00	
* 2 Naphthalene-d8	136	6.978	6.979	-0.001	100	774109	4.00	
* 3 Acenaphthene-d10	164	8.471	8.471	0.0	92	473671	4.00	
* 4 Phenanthrene-d10	188	9.722	9.722	0.0	98	744307	4.00	
* 5 Chrysene-d12	240	12.236	12.236	0.0	91	786051	4.00	
* 6 Perylene-d12	264	14.274	14.274	0.0	96	616244	4.00	
$ 7 2-Fluorophenol	112	4.614	4.598	0.016	94	720016	11.9	
$ 8 Phenol-d5	99	5.508	5.502	0.006	97	956225	11.8	
$ 9 Nitrobenzene-d5	82	6.347	6.347	0.0	92	539285	6.32	
$ 10 2-Fluorobiphenyl (Surr)	172	7.882	7.882	0.0	100	1039973	6.13	
$ 11 2,4,6-Tribromophenol	330	9.129	9.129	0.0	86	183013	11.5	
$ 12 Terphenyl-d14	244	11.065	11.070	-0.005	98	1152835	7.17	
24 1,4-Dioxane	88	2.352	2.373	-0.021	88	92094	3.29	
25 N-Nitrosodimethylamine	74	2.812	2.817	-0.005	87	288048	7.48	
26 Pyridine	79	2.871	2.881	-0.010	87	405548	5.91	
30 2-Picoline	93		4.067					9
36 Ethyl methanesulfonate	79		5.217					
40 Benzaldehyde	77	5.459	5.465	-0.006	93	430931	6.74	
41 Phenol	94	5.518	5.513	0.005	98	656908	7.76	
43 Aniline	93	5.556	5.556	0.0	97	503580	4.58	
44 Bis(2-chloroethyl)ether	93	5.614	5.615	-0.001	93	523786	6.38	
46 2-Chlorophenol	128	5.668	5.668	0.0	95	520971	7.79	
47 1,3-Dichlorobenzene	146	5.807	5.813	-0.006	95	533559	6.15	
48 1,4-Dichlorobenzene	146	5.877	5.877	0.0	90	544538	7.56	
49 Benzyl alcohol	108	5.973	5.973	0.0	88	303735	7.28	
50 1,2-Dichlorobenzene	146	6.010	6.010	0.0	91	525133	6.32	
51 2-Methylphenol	108	6.064	6.064	0.0	97	443230	7.29	
52 2,2'-oxybis[1-chloropropane]	45	6.096	6.096	0.0	91	742636	6.34	
191 3 & 4 Methylphenol	108	6.197	6.192	0.005	93	985802	15.1	
56 N-Nitrosodi-n-propylamine	70	6.203	6.208	-0.005	92	379782	7.78	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 Acetophenone	105	6.214	6.214	0.0	96	708900	7.51	
60 Hexachloroethane	117	6.315	6.315	0.0	91	222629	6.52	
61 Nitrobenzene	77	6.363	6.363	0.0	87	584849	6.63	
63 Isophorone	82	6.567	6.567	0.0	97	1027592	8.00	
65 2-Nitrophenol	139	6.641	6.642	-0.001	96	254197	8.02	
64 2,4-Dimethylphenol	107	6.657	6.658	-0.001	95	346051	5.26	
69 Benzoic acid	122	6.695	6.722	-0.027	85	154746	4.94	
68 Bis(2-chloroethoxy)methane	93	6.743	6.749	-0.006	97	628295	6.52	
71 2,4-Dichlorophenol	162	6.845	6.845	0.0	97	407645	7.93	
72 1,2,4-Trichlorobenzene	180	6.925	6.925	0.0	93	444788	6.46	
73 Naphthalene	128	6.994	6.995	-0.001	98	1476951	7.81	
74 4-Chloroaniline	127	7.032	7.032	0.0	83	463281	5.81	
77 Hexachlorobutadiene	225	7.091	7.091	0.0	93	240579	6.43	
83 Caprolactam	113	7.310	7.315	-0.005	75	150998	8.88	
80 Quinoline	129		7.341					
84 4-Chloro-3-methylphenol	107	7.422	7.422	0.0	94	434785	7.91	
93 Safrole, Total	162		7.560					
85 2-Methylnaphthalene	142	7.583	7.583	0.0	91	973250	7.84	
86 1-Methylnaphthalene	142	7.668	7.668	0.0	91	917872	7.89	
88 Hexachlorocyclopentadiene	237	7.711	7.711	0.0	94	153772	3.84	
90 2,4,6-Trichlorophenol	196	7.813	7.813	0.0	91	285101	7.65	
91 2,4,5-Trichlorophenol	196	7.845	7.840	0.005	94	310444	7.63	
95 1,1'-Biphenyl	154	7.973	7.973	0.0	95	1131253	7.26	
98 2-Chloronaphthalene	162	8.000	8.000	0.0	96	951335	6.43	
100 2-Nitroaniline	65	8.070	8.070	0.0	77	341381	8.15	
103 Dimethyl phthalate	163	8.214	8.214	0.0	98	1082960	7.96	
102 1,4-Dinitrobenzene	168		8.245					
105 2,6-Dinitrotoluene	165	8.267	8.268	-0.001	85	243027	7.01	
104 1,3-Dinitrobenzene	168		8.303					
106 1,2-Dinitrobenzene	168	8.316	8.316	0.0	87	116168	6.57	
107 Acenaphthylene	152	8.353	8.353	0.0	91	1515645	7.79	
108 3-Nitroaniline	138	8.412	8.417	-0.005	89	241104	7.20	
110 Acenaphthene	153	8.497	8.498	-0.001	94	913972	7.54	
109 2,4-Dinitrophenol	184	8.503	8.503	0.0	67	90552	6.21	
111 4-Nitrophenol	109	8.530	8.530	0.0	93	163136	7.96	
112 2,4-Dinitrotoluene	165	8.610	8.610	0.0	82	330048	6.95	
114 Dibenzofuran	168	8.642	8.642	0.0	87	1336223	7.47	
115 2,3,5,6-Tetrachlorophenol	232	8.695	8.695	0.0	85	235436	7.29	
117 2,3,4,6-Tetrachlorophenol	232		8.796					
119 Diethyl phthalate	149	8.802	8.802	0.0	97	1087572	8.01	
121 4-Chlorophenyl phenyl ether	204	8.915	8.915	0.0	96	534906	6.73	
123 4-Nitroaniline	138	8.925	8.931	-0.006	77	261556	7.88	
124 Fluorene	166	8.931	8.931	0.0	83	1135848	7.96	
126 4,6-Dinitro-2-methylphenol	198	8.952	8.952	0.0	78	158766	7.15	
130 N-Nitrosodiphenylamine	169	9.011	9.011	0.0	0	824578	8.18	
131 Azobenzene	77	9.048	9.048	0.0	99	1260692	8.11	
129 1,2-Diphenylhydrazine	77	9.048	9.048	0.0	0	1260692	8.11	
135 Phenacetin	108		9.314					
136 Phorate	121		9.320					
137 4-Bromophenyl phenyl ether	248	9.332	9.332	0.0	67	303823	7.04	
139 Hexachlorobenzene	284	9.391	9.391	0.0	86	286583	6.67	
140 Atrazine	200	9.444	9.444	0.0	90	292597	10.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.551	9.551	0.0	84	142784	5.81	
142 Pronamide	173		9.641					
146 Phenanthrene	178	9.744	9.744	0.0	97	1617140	8.09	
147 Anthracene	178	9.786	9.787	-0.001	98	1634082	8.19	
149 Carbazole	167	9.909	9.910	-0.001	81	1557866	8.15	
151 Di-n-butyl phthalate	149	10.172	10.172	0.0	100	1811627	8.39	
157 Fluoranthene	202	10.749	10.749	0.0	98	1826436	8.33	
160 Pyrene	202	10.952	10.953	-0.001	97	1850888	8.14	
162 Chlorobenzilate	139		11.309					
166 Butyl benzyl phthalate	149	11.535	11.536	-0.001	97	761391	8.25	
173 3,3'-Dichlorobenzidine	252	12.172	12.172	0.0	70	384637	5.15	
171 Bis(2-ethylhexyl) phthalate	149	12.193	12.193	0.0	97	1078743	7.88	
175 Benzo[a]anthracene	228	12.220	12.226	-0.006	97	1632905	8.04	
176 Chrysene	228	12.268	12.268	0.0	94	1603836	8.33	
178 Di-n-octyl phthalate	149	13.081	13.087	-0.006	99	1582062	7.45	
180 Benzo[b]fluoranthene	252	13.702	13.702	0.0	94	1586358	8.62	
181 Benzo[k]fluoranthene	252	13.739	13.745	-0.006	90	1641231	8.31	
182 Benzo[a]pyrene	252	14.188	14.194	-0.006	77	1356024	7.84	
186 Indeno[1,2,3-cd]pyrene	276	15.905	15.905	0.0	97	1565437	8.53	
187 Dibenz(a,h)anthracene	278	15.932	15.932	0.0	72	1342221	8.59	
188 Benzo[g,h,i]perylene	276	16.333	16.339	-0.006	89	1382049	8.60	

QC Flag Legend

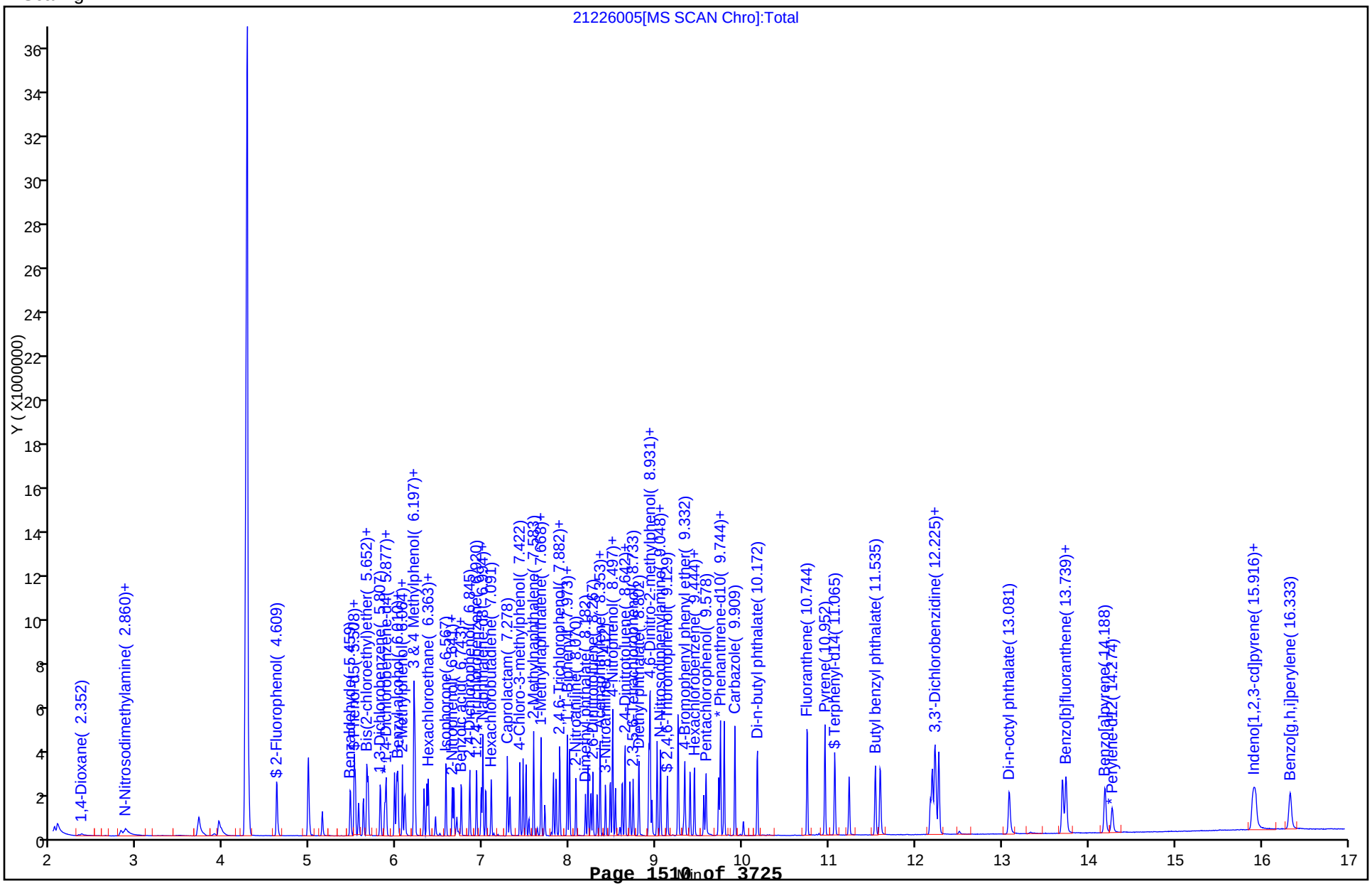
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 27-Dec-2012 09:55:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226005.D		
Injection Date:	26-Dec-2012 10:25:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70078/3

Matrix: Solid | Lab File ID: 21226003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/26/2012 09:38

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.99		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.24		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.21		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.11		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.41		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.11		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.34		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.14		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.57		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.83		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.05		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.13		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	4.92		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.29		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.98		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.21		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.10		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.14		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.17		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.11		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.09		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.20		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.99		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.13		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.13		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.20		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.27		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.27		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.93		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.14		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.05		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.13		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.88		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	9.74		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70078/3

Matrix: Solid | Lab File ID: 21226003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/26/2012 09:38

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.21		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.27		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.68		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.16		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.18		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.18		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.24		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	3.79		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.24		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.39		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.08		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.01		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.29		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.10		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.11		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.15		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.28		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.38		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.22		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.42		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.18		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.14		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	5.16		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.55		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.97		0.00020	0.00010	0.00010
108-95-2	Phenol	5.29		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.19		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.15		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.22		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.47		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70078/3

Matrix: Solid | Lab File ID: 21226003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/26/2012 09:38

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	102		50-150
367-12-4	2-Fluorophenol (Surr)	107	Q	50-150
4165-60-0	Nitrobenzene-d5 (Surr)	100		50-150
4165-62-2	Phenol-d5 (Surr)	104	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	102		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	106		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226003.D		
Lims ID:	mrl qc	Client ID:	
Inject. Date:	26-Dec-2012 09:38:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016171-003		
Misc. Info.:	MRL QC		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	70078	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\8270_hp7.m		
Last Update:	27-Dec-2012 09:55:09	Calib Date:	20-Dec-2012 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK036		
First Level Reviewer: gruberj		Date:	26-Dec-2012 10:01:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.861	5.861	0.0	97	216732	4.00	
* 2 Naphthalene-d8	136	6.978	6.979	-0.001	100	871891	4.00	
* 3 Acenaphthene-d10	164	8.471	8.471	0.0	90	514637	4.00	
* 4 Phenanthrene-d10	188	9.722	9.722	0.0	98	819165	4.00	
* 5 Chrysene-d12	240	12.236	12.236	0.0	97	871781	4.00	
* 6 Perylene-d12	264	14.274	14.274	0.0	92	690664	4.00	
$ 7 2-Fluorophenol	112	4.598	4.598	0.0	92	354565	5.33	
$ 8 Phenol-d5	99	5.502	5.502	0.0	90	460460	5.20	
$ 9 Nitrobenzene-d5	82	6.347	6.347	0.0	92	480008	5.00	
$ 10 2-Fluorobiphenyl (Surr)	172	7.882	7.882	0.0	100	944679	5.12	
$ 11 2,4,6-Tribromophenol	330	9.129	9.129	0.0	83	91535	5.29	
$ 12 Terphenyl-d14	244	11.065	11.070	-0.005	98	907798	5.09	
241 Tricresyl phosphate TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
22 3-Methylcatechol	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
20 2,5-Dichlorophenol	1		0.000					
21 Octachlorostyrene	1		0.000					
24 1,4-Dioxane	88	2.379	2.373	0.006	97	151548	4.94	M
25 N-Nitrosodimethylamine	74	2.823	2.817	0.006	87	213525	5.06	
26 Pyridine	79	2.887	2.881	0.006	91	397044	5.28	
232 1-Methyl-2-pyrrilidinone	99	3.352	3.271	0.081	0	130	0	
27 Ethyl methacrylate	69	3.545	3.545	0.0	92	311460	5.07	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.935	3.930	0.005	83	298706	5.12	
30 2-Picoline	93		4.067					9
31 N-Nitrosomethylethylamine	88		4.201					
32 Malononitrile	66	4.299	4.294	0.005	97	404770	4.64	
33 Acrylamide	71	4.481	4.485	-0.004	1	68	0	
34 Methyl methanesulfonate	80		4.522					9
29 3-Picoline	93		4.586					
233 n,n'-Dimethylacetamide	44	4.614	4.613	0.001	0	1349	0	
35 N-Nitrosodiethylamine	102		4.928					
36 Ethyl methanesulfonate	79		5.217					
37 2-Methylcyclohexanone	68	5.422	5.426	-0.004	1	158	0	
38 3-Methylcyclohexanone	69	5.443	5.463	-0.020	1	636	0	
40 Benzaldehyde	77	5.465	5.465	0.0	90	389266	5.56	
39 4-Methylcyclohexanone	55	5.513	5.511	0.002	14	47162	0	
41 Phenol	94	5.513	5.513	0.0	96	490230	5.29	
43 Aniline	93	5.556	5.556	0.0	97	640273	5.31	
42 Phenylmercaptan	110		5.581					
44 Bis(2-chloroethyl)ether	93	5.615	5.615	0.0	92	461654	5.13	
46 2-Chlorophenol	128	5.663	5.668	-0.005	94	378708	5.17	
45 Pentachloroethane	167		5.683					
47 1,3-Dichlorobenzene	146	5.807	5.813	-0.006	95	487616	5.13	
48 1,4-Dichlorobenzene	146	5.877	5.877	0.0	91	410074	5.20	
49 Benzyl alcohol	108	5.973	5.973	0.0	89	220750	4.83	
50 1,2-Dichlorobenzene	146	6.010	6.010	0.0	91	467208	5.13	
51 2-Methylphenol	108	6.064	6.064	0.0	97	352231	5.29	
52 2,2'-oxybis[1-chloropropane]	45	6.096	6.096	0.0	90	654047	5.10	
53 Indene	115		6.159					9
191 3 & 4 Methylphenol	108	6.192	6.192	0.0	97	364890	5.10	
56 N-Nitrosodi-n-propylamine	70	6.208	6.208	0.0	88	275006	5.14	
57 Acetophenone	105	6.214	6.214	0.0	88	541757	5.24	
55 N-Nitrosopyrrolidine	100		6.255					
58 N-Nitrosomorpholine	56		6.287					
59 2-Toluidine	106		6.308					
60 Hexachloroethane	117	6.315	6.315	0.0	91	195856	5.24	
61 Nitrobenzene	77	6.363	6.363	0.0	92	518729	5.22	
62 N-Nitrosopiperidine	114		6.560					
63 Isophorone	82	6.567	6.567	0.0	97	735244	5.08	
65 2-Nitrophenol	139	6.642	6.642	0.0	97	193289	5.42	
66 1,3,5-Trichlorobenzene	180	6.652	6.652	0.0	94	412967	5.32	
64 2,4-Dimethylphenol	107	6.658	6.658	0.0	79	381402	5.14	
69 Benzoic acid	122	6.706	6.722	-0.016	86	369129	9.14	
68 Bis(2-chloroethoxy)methane	93	6.743	6.749	-0.006	96	547606	5.05	
67 o,o',o''-Triethylphosphorothioat	198		6.779					
71 2,4-Dichlorophenol	162	6.845	6.845	0.0	97	304792	5.27	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 alpha,alpha-Dimethyl phenethylam	58		6.886					9
72 1,2,4-Trichlorobenzene	180	6.925	6.925	0.0	93	399731	5.15	
73 Naphthalene	128	6.995	6.995	0.0	96	1088875	5.11	
74 4-Chloroaniline	127	7.027	7.032	-0.005	83	459975	5.12	
77 Hexachlorobutadiene	225	7.096	7.091	0.005	92	220570	5.24	
75 2,6-Dichlorophenol	162		7.100					9
78 1,2,3-Trichlorobenzene	180	7.118	7.118	0.0	87	381889	0	
76 Hexachloropropene	213		7.132					9
79 Benzothiazole	135		7.277					9
83 Caprolactam	113	7.310	7.315	-0.005	73	107347	5.60	
80 Quinoline	129		7.341					
81 N-Nitrosodi-n-butylamine	84		7.362					
82 p-Phenylene diamine	108		7.389					9
84 4-Chloro-3-methylphenol	107	7.422	7.422	0.0	94	315527	5.10	
93 Safrole, Total	162		7.560					
85 2-Methylnaphthalene	142	7.583	7.583	0.0	92	701107	5.01	
86 1-Methylnaphthalene	142	7.668	7.668	0.0	90	660463	5.04	
87 1,2,3,5-Tetrachlorobenzene	216	7.711	7.711	0.0	92	387232	5.24	
88 Hexachlorocyclopentadiene	237	7.711	7.711	0.0	67	164764	3.79	
89 1,2,4,5-Tetrachlorobenzene	216		7.785					
225 Isosafrole Peak 1	162		7.806					
90 2,4,6-Trichlorophenol	196	7.813	7.813	0.0	90	221442	5.47	
91 2,4,5-Trichlorophenol	196	7.840	7.840	0.0	93	230729	5.22	
94 2,4-Toluene diamine	121	7.957	7.957	0.0	98	194046	4.68	
96 1,2,3,4 -Tetrachlorobenzene	216	7.968	7.968	0.0	85	371602	0	
95 1,1'-Biphenyl	154	7.973	7.973	0.0	95	844388	4.99	
227 Isosafrole Peak 2	162		7.993					
98 2-Chloronaphthalene	162	8.000	8.000	0.0	97	827234	5.14	
97 3,4-Dichloronitrobenzene	109		8.063					9
100 2-Nitroaniline	65	8.070	8.070	0.0	75	234288	5.15	
99 Phenyl ether	170		8.122					
101 1,4-Naphthoquinone	158		8.202					
103 Dimethyl phthalate	163	8.209	8.214	-0.005	97	746049	5.05	
102 1,4-Dinitrobenzene	168		8.245					
105 2,6-Dinitrotoluene	165	8.268	8.268	0.0	90	194288	5.27	
104 1,3-Dinitrobenzene	168		8.303					
106 1,2-Dinitrobenzene	168	8.316	8.316	0.0	88	99018	5.24	
107 Acenaphthylene	152	8.353	8.353	0.0	93	1107272	5.24	
108 3-Nitroaniline	138	8.412	8.417	-0.005	90	192343	5.28	
110 Acenaphthene	153	8.498	8.498	0.0	93	657902	4.99	
109 2,4-Dinitrophenol	184	8.503	8.503	0.0	72	169297	9.74	
111 4-Nitrophenol	109	8.530	8.530	0.0	94	111173	5.18	
112 2,4-Dinitrotoluene	165	8.610	8.610	0.0	86	263055	5.21	
114 Dibenzofuran	168	8.642	8.642	0.0	87	969563	4.99	
113 Pentachlorobenzene	250		8.667					9
115 2,3,5,6-Tetrachlorophenol	232	8.695	8.695	0.0	89	180388	5.14	
116 1-Naphthylamine	143		8.769					9
117 2,3,4,6-Tetrachlorophenol	232		8.796					9
119 Diethyl phthalate	149	8.802	8.802	0.0	97	727973	4.93	
118 2-Naphthylamine	143		8.833					9
121 4-Chlorophenyl phenyl ether	204	8.915	8.915	0.0	97	440830	5.11	
123 4-Nitroaniline	138	8.925	8.931	-0.006	75	193921	5.38	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
124 Fluorene	166	8.931	8.931	0.0	91	801942	5.18	
120 Thionazin	97		8.935					
126 4,6-Dinitro-2-methylphenol	198	8.952	8.952	0.0	78	112507	4.88	
122 N-Nitro-o-toluidine	152		8.988					9
130 N-Nitrosodiphenylamine	169	9.011	9.011	0.0	0	572121	5.16	
125 Tributyl phosphate	99		9.025					
131 Azobenzene	77	9.048	9.048	0.0	99	879738	5.14	
129 1,2-Diphenylhydrazine	77	9.048	9.048	0.0	0	879738	5.14	
128 Diphenylamine	169		9.074					
132 Sulfotepp	202		9.186					
133 1,3,5-Trinitrobenzene	213		9.272					
228 Diallate Peak 1	86		9.309					
135 Phenacetin	108		9.314					9
136 Phorate	121		9.320					9
137 4-Bromophenyl phenyl ether	248	9.332	9.332	0.0	67	251363	5.29	
230 Diallate Peak 2	86		9.389					
139 Hexachlorobenzene	284	9.391	9.391	0.0	88	244914	5.18	
140 Atrazine	200	9.444	9.444	0.0	90	168535	5.40	
138 Dimethoate	87		9.464					9
141 Pentachlorophenol	266	9.551	9.551	0.0	87	258354	9.55	
127 4-Aminobiphenyl	169		9.614					9
143 Pentachloronitrobenzene	237		9.630					9
142 Pronamide	173		9.641					9
146 Phenanthrene	178	9.744	9.744	0.0	97	1091983	4.97	
145 Dinoseb	211		9.753					
144 Disulfoton	88		9.758					9
147 Anthracene	178	9.787	9.787	0.0	98	1142676	5.21	
148 DFTPP								
149 Carbazole	167	9.910	9.910	0.0	82	1096735	5.21	
150 Methyl parathion	109		10.079					9
151 Di-n-butyl phthalate	149	10.172	10.172	0.0	100	1220677	5.13	
152 Diphenylsulfone	125		10.250					9
153 Ethyl Parathion	97		10.400					
154 4-Nitroquinoline-1-oxide	190		10.454					
155 Methapyrilene	58		10.496					9
156 Isodrin	66		10.694					9
157 Fluoranthene	202	10.749	10.749	0.0	98	1245931	5.16	
158 Benzidine	184	10.840	10.846	-0.006	99	452459	4.79	
160 Pyrene	202	10.953	10.953	0.0	97	1310000	5.19	
164 4,4'-DDE	246		11.011					
226 Aramite Peak 1	185		11.095					
229 Aramite Peak 2	185		11.170					
161 p-Dimethylamino azobenzene	225		11.277					
162 Chlorobenzilate	139		11.309					
163 4,4'-DDD	235		11.375					9
166 Butyl benzyl phthalate	149	11.536	11.536	0.0	96	510001	4.98	
165 Famphur	218		11.566					
167 3,3'-Dimethylbenzidine	212		11.625					9
168 4,4'-DDT	235		11.658					
169 2-Acetylaminofluorene	181		11.908					
170 3,3'-Dimethoxybenzidine	244	12.129	12.135	-0.006	90	213847	4.48	
172 4,4'-Methylene bis(2-chloroanili	231	12.172	12.172	0.0	70	203028	4.95	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	12.172	12.172	0.0	67	436730	5.27	
171 Bis(2-ethylhexyl) phthalate	149	12.193	12.193	0.0	96	725642	4.92	
175 Benzo[a]anthracene	228	12.220	12.226	-0.006	95	1152675	5.11	
176 Chrysene	228	12.268	12.268	0.0	95	1086679	5.09	
174 Hexabromobenzene	232		12.383					
177 6-Methylchrysene	242		12.973					
178 Di-n-octyl phthalate	149	13.087	13.087	0.0	99	1067858	4.68	
180 Benzo[b]fluoranthene	252	13.702	13.702	0.0	92	1053236	5.11	
181 Benzo[k]fluoranthene	252	13.739	13.745	-0.006	95	1233005	5.57	
179 7,12-Dimethylbenz(a)anthracene	256		13.807					
182 Benzo[a]pyrene	252	14.188	14.194	-0.006	77	1049449	5.41	
183 3-Methylcholanthrene	268		14.850					
184 Dibenz[a,j]acridine	279		15.695					
185 Dibenz[a,h]acridine	279		15.765					
186 Indeno[1,2,3-cd]pyrene	276	15.905	15.905	0.0	94	1108864	5.39	
187 Dibenz(a,h)anthracene	278	15.932	15.932	0.0	83	910275	5.20	
188 Benzo[g,h,i]perylene	276	16.333	16.339	-0.006	94	962400	5.34	
S 189 Methyl Phenols,Total	100				0		5.29	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110	7.278	0.0	7.278	90	97401	0	
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.047	3.050	-0.003	1	186	0	
T 194 Octadecane (TIC)	254	14.413	6.300	8.113	80	50904	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

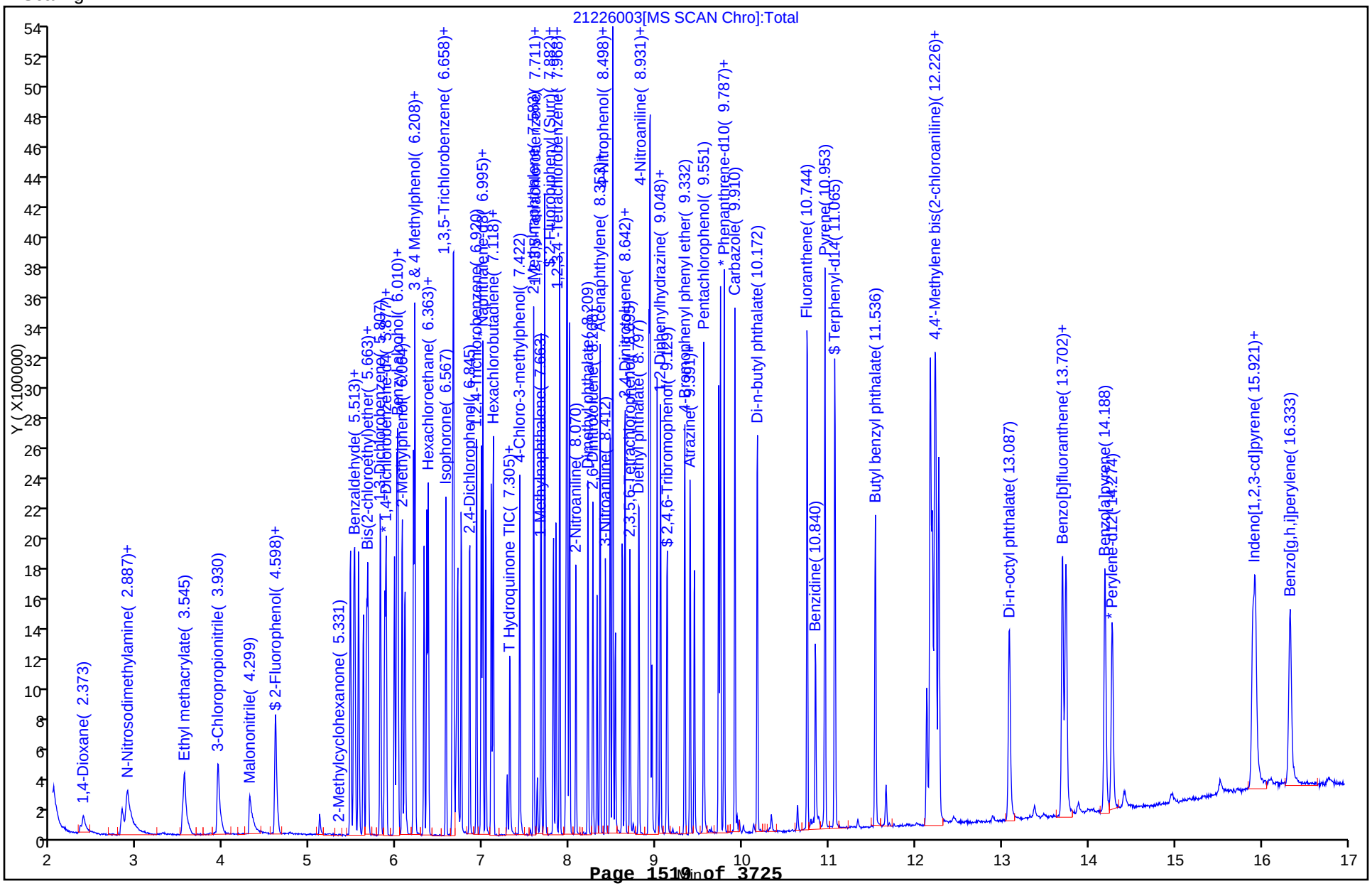
Review Flags
M - Manually Integrated

Report Date: 27-Dec-2012 09:55:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226003.D		
Injection Date:	26-Dec-2012 09:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70078/16

Matrix: Solid | Lab File ID: 21226016.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/26/2012 14:42

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.10		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.33		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.21		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.22		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.39		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.28		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.42		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.40		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	4.89		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.93		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.12		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.10		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	5.00		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.30		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.13		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.07		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.24		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.20		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.17		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.04		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.32		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.22		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	5.07		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.08		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.06		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.11		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.19		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.30		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.01		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.15		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.20		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.11		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.83		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	8.83		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70078/16

Matrix: Solid | Lab File ID: 21226016.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/26/2012 14:42

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.35		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.21		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.64		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.09		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.16		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.19		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.04		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.74		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.16		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.53		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.99		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.15		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.18		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.00		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.10		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.25		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.36		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.44		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.22		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.21		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.12		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.11		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	5.09		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	10.9		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	5.05		0.00020	0.00010	0.00010
108-95-2	Phenol	5.21		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.24		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.36		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.38		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.46		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70078/16

Matrix: Solid | Lab File ID: 21226016.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/26/2012 14:42

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	103		50-150
367-12-4	2-Fluorophenol (Surr)	103		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	104	Q	50-150
4165-62-2	Phenol-d5 (Surr)	104	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	102		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	110		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226016.D
Lims ID: mrl qccl
Client ID:
Inject. Date: 26-Dec-2012 14:42:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016171-016
Misc. Info.: MRL QCCL
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 16
Lims Batch ID: 70078
Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\8270_hp7.m
Last Update: 27-Dec-2012 09:55:09
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: gruberj
Date: 26-Dec-2012 15:14:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.861	5.861	0.0	97	270485	4.00	
* 2 Naphthalene-d8	136	6.978	6.979	-0.001	100	1072570	4.00	
* 3 Acenaphthene-d10	164	8.465	8.471	-0.006	90	636665	4.00	
* 4 Phenanthrene-d10	188	9.722	9.722	0.0	98	1038868	4.00	
* 5 Chrysene-d12	240	12.236	12.236	0.0	93	1066493	4.00	
* 6 Perylene-d12	264	14.274	14.274	0.0	92	868287	4.00	
$ 7 2-Fluorophenol	112	4.598	4.598	0.0	94	426378	5.14	
$ 8 Phenol-d5	99	5.502	5.502	0.0	84	575779	5.21	
$ 9 Nitrobenzene-d5	82	6.347	6.347	0.0	92	616053	5.21	
$ 10 2-Fluorobiphenyl (Surr)	172	7.882	7.882	0.0	99	1180454	5.17	
$ 11 2,4,6-Tribromophenol	330	9.129	9.129	0.0	85	117321	5.48	
$ 12 Terphenyl-d14	244	11.065	11.070	-0.005	98	1112334	5.10	
241 Tricresyl phosphate TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
22 3-Methylcatechol	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
20 2,5-Dichlorophenol	1		0.000					
21 Octachlorostyrene	1		0.000					
24 1,4-Dioxane	88	2.368	2.373	-0.005	95	163434	4.27	
25 N-Nitrosodimethylamine	74	2.823	2.817	0.006	90	272114	5.17	
26 Pyridine	79	2.881	2.881	0.0	89	470631	5.01	
232 1-Methyl-2-pyrrilidinone	99		3.271					14
27 Ethyl methacrylate	69	3.539	3.545	-0.006	89	387410	5.06	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.930	3.930	0.0	86	372362	5.11	
30 2-Picoline	93		4.067					
31 N-Nitrosomethylethylamine	88		4.201					
32 Malononitrile	66	4.293	4.294	-0.001	98	500951	4.60	
33 Acrylamide	71	4.481	4.485	-0.004	1	119	0	
34 Methyl methanesulfonate	80		4.522					9
29 3-Picoline	93		4.586					9
233 n,n'-Dimethylacetamide	44	4.614	4.613	0.001	0	1278	0	
35 N-Nitrosodiethylamine	102		4.928					
36 Ethyl methanesulfonate	79		5.217					9
37 2-Methylcyclohexanone	68	5.422	5.426	-0.004	1	57	0	
38 3-Methylcyclohexanone	69	5.465	5.463	0.002	1	643	0	
40 Benzaldehyde	77	5.465	5.465	0.0	90	478426	5.47	
39 4-Methylcyclohexanone	55	5.513	5.511	0.002	18	54501	0	
41 Phenol	94	5.513	5.513	0.0	97	603391	5.21	
43 Aniline	93	5.556	5.556	0.0	97	776070	5.16	
42 Phenylmercaptan	110		5.581					9
44 Bis(2-chloroethyl)ether	93	5.615	5.615	0.0	94	572878	5.10	
46 2-Chlorophenol	128	5.663	5.668	-0.005	96	472329	5.17	
45 Pentachloroethane	167		5.683					
47 1,3-Dichlorobenzene	146	5.807	5.813	-0.006	95	600630	5.06	
48 1,4-Dichlorobenzene	146	5.877	5.877	0.0	82	502833	5.11	
49 Benzyl alcohol	108	5.973	5.973	0.0	89	280913	4.93	
50 1,2-Dichlorobenzene	146	6.010	6.010	0.0	91	577288	5.08	
51 2-Methylphenol	108	6.064	6.064	0.0	98	430759	5.18	
52 2,2'-oxybis[1-chloropropane]	45	6.091	6.096	-0.005	89	786461	4.91	
53 Indene	115		6.159					
191 3 & 4 Methylphenol	108	6.192	6.192	0.0	97	446135	5.00	
56 N-Nitrosodi-n-propylamine	70	6.203	6.208	-0.005	92	340757	5.11	
57 Acetophenone	105	6.214	6.214	0.0	87	652137	5.06	
55 N-Nitrosopyrrolidine	100		6.255					9
58 N-Nitrosomorpholine	56		6.287					9
59 2-Toluidine	106		6.308					
60 Hexachloroethane	117	6.315	6.315	0.0	92	240818	5.16	
61 Nitrobenzene	77	6.363	6.363	0.0	87	638179	5.22	
62 N-Nitrosopiperidine	114		6.560					
63 Isophorone	82	6.567	6.567	0.0	97	887641	4.99	
65 2-Nitrophenol	139	6.641	6.642	-0.001	96	228631	5.21	
66 1,3,5-Trichlorobenzene	180	6.652	6.652	0.0	95	518146	5.42	
64 2,4-Dimethylphenol	107	6.658	6.658	0.0	89	469335	5.15	
69 Benzoic acid	122	6.706	6.722	-0.016	88	468892	9.40	
68 Bis(2-chloroethoxy)methane	93	6.743	6.749	-0.006	96	682941	5.12	
67 o,o',o''-Triethylphosphorothioat	198		6.779					
71 2,4-Dichlorophenol	162	6.845	6.845	0.0	96	377251	5.30	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 alpha,alpha-Dimethyl phenethylam	58		6.886					9
72 1,2,4-Trichlorobenzene	180	6.925	6.925	0.0	93	511962	5.36	
73 Naphthalene	128	6.994	6.995	-0.001	98	1336157	5.10	
74 4-Chloroaniline	127	7.027	7.032	-0.005	83	579343	5.24	
77 Hexachlorobutadiene	225	7.091	7.091	0.0	93	261220	5.04	
75 2,6-Dichlorophenol	162		7.100					9
78 1,2,3-Trichlorobenzene	180	7.118	7.118	0.0	91	475645	0	
76 Hexachloropropene	213		7.132					
79 Benzothiazole	135		7.277					9
83 Caprolactam	113	7.310	7.315	-0.005	73	137397	5.83	
80 Quinoline	129		7.341					
81 N-Nitrosodi-n-butylamine	84		7.362					
82 p-Phenylene diamine	108		7.389					
84 4-Chloro-3-methylphenol	107	7.422	7.422	0.0	94	399189	5.24	
93 Safrole, Total	162		7.560					
85 2-Methylnaphthalene	142	7.583	7.583	0.0	87	886176	5.15	
86 1-Methylnaphthalene	142	7.668	7.668	0.0	83	840379	5.21	
87 1,2,3,5-Tetrachlorobenzene	216	7.711	7.711	0.0	95	488979	5.35	
88 Hexachlorocyclopentadiene	237	7.711	7.711	0.0	90	254959	4.74	
89 1,2,4,5-Tetrachlorobenzene	216		7.785					
225 Isosafrole Peak 1	162		7.806					
90 2,4,6-Trichlorophenol	196	7.813	7.813	0.0	92	273339	5.46	
91 2,4,5-Trichlorophenol	196	7.840	7.840	0.0	93	294543	5.38	
94 2,4-Toluene diamine	121	7.952	7.957	-0.005	95	242668	4.76	
96 1,2,3,4 -Tetrachlorobenzene	216	7.963	7.968	-0.005	93	474478	0	
95 1,1'-Biphenyl	154	7.973	7.973	0.0	95	1079122	5.15	
227 Isosafrole Peak 2	162		7.993					
98 2-Chloronaphthalene	162	8.000	8.000	0.0	96	1035146	5.20	
97 3,4-Dichloronitrobenzene	109		8.063					9
100 2-Nitroaniline	65	8.070	8.070	0.0	77	295769	5.25	
99 Phenyl ether	170		8.122					9
101 1,4-Naphthoquinone	158		8.202					
103 Dimethyl phthalate	163	8.214	8.214	0.0	99	951059	5.20	
102 1,4-Dinitrobenzene	168		8.245					
105 2,6-Dinitrotoluene	165	8.267	8.268	-0.001	91	237503	5.21	
104 1,3-Dinitrobenzene	168		8.303					
106 1,2-Dinitrobenzene	168	8.316	8.316	0.0	88	121764	5.21	
107 Acenaphthylene	152	8.353	8.353	0.0	96	1393762	5.33	
108 3-Nitroaniline	138	8.412	8.417	-0.005	90	241538	5.36	
110 Acenaphthene	153	8.497	8.498	-0.001	91	831623	5.10	
109 2,4-Dinitrophenol	184	8.503	8.503	0.0	68	186653	8.83	
111 4-Nitrophenol	109	8.530	8.530	0.0	94	135937	5.12	
112 2,4-Dinitrotoluene	165	8.610	8.610	0.0	89	335172	5.35	
114 Dibenzofuran	168	8.642	8.642	0.0	88	1218113	5.07	
113 Pentachlorobenzene	250		8.667					9
115 2,3,5,6-Tetrachlorophenol	232	8.695	8.695	0.0	88	228914	5.27	
116 1-Naphthylamine	143		8.769					9
117 2,3,4,6-Tetrachlorophenol	232		8.796					
119 Diethyl phthalate	149	8.802	8.802	0.0	97	914077	5.01	
118 2-Naphthylamine	143		8.833					9
121 4-Chlorophenyl phenyl ether	204	8.915	8.915	0.0	97	538312	5.04	
123 4-Nitroaniline	138	8.925	8.931	-0.006	78	242688	5.44	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
124 Fluorene	166	8.931	8.931	0.0	81	988226	5.16	
120 Thionazin	97		8.935					9
126 4,6-Dinitro-2-methylphenol	198	8.952	8.952	0.0	80	140863	4.83	
122 N-Nitro-o-toluidine	152		8.988					
130 N-Nitrosodiphenylamine	169	9.011	9.011	0.0	0	716509	5.09	
125 Tributyl phosphate	99		9.025					9
131 Azobenzene	77	9.048	9.048	0.0	99	1102105	5.08	
129 1,2-Diphenylhydrazine	77	9.048	9.048	0.0	0	1102105	5.08	
128 Diphenylamine	169	9.011	9.074	-0.063	94	716509	4.59	
132 Sulfotepp	202	9.123	9.186	-0.063	75	108343	5.20	
133 1,3,5-Trinitrobenzene	213		9.272					
228 Diallate Peak 1	86		9.309					
135 Phenacetin	108		9.314					9
136 Phorate	121		9.320					9
137 4-Bromophenyl phenyl ether	248	9.332	9.332	0.0	65	319527	5.30	
230 Diallate Peak 2	86		9.389					
139 Hexachlorobenzene	284	9.391	9.391	0.0	88	310965	5.19	
140 Atrazine	200	9.444	9.444	0.0	91	217998	5.50	
138 Dimethoate	87		9.464					9
141 Pentachlorophenol	266	9.551	9.551	0.0	89	375285	10.9	
127 4-Aminobiphenyl	169		9.614					9
143 Pentachloronitrobenzene	237		9.630					9
142 Pronamide	173		9.641					
146 Phenanthrene	178	9.744	9.744	0.0	97	1408008	5.05	
145 Dinoseb	211		9.753					
144 Disulfoton	88		9.758					
147 Anthracene	178	9.786	9.787	-0.001	97	1451113	5.21	
148 DFTPP								
149 Carbazole	167	9.909	9.910	-0.001	82	1353259	5.07	
150 Methyl parathion	109		10.079					
151 Di-n-butyl phthalate	149	10.172	10.172	0.0	100	1541743	5.11	
152 Diphenylsulfone	125		10.250					
153 Ethyl Parathion	97		10.400					9
154 4-Nitroquinoline-1-oxide	190		10.454					9
155 Methapyrilene	58		10.496					9
156 Isodrin	66		10.694					9
157 Fluoranthene	202	10.749	10.749	0.0	97	1556840	5.09	
158 Benzidine	184	10.840	10.846	-0.006	99	521003	4.54	
160 Pyrene	202	10.952	10.953	-0.001	95	1617953	5.24	
164 4,4'-DDE	246		11.011					
226 Aramite Peak 1	185		11.095					
229 Aramite Peak 2	185		11.170					
161 p-Dimethylamino azobenzene	225		11.277					
162 Chlorobenzilate	139		11.309					
163 4,4'-DDD	235		11.375					
166 Butyl benzyl phthalate	149	11.535	11.536	-0.001	95	642627	5.13	
165 Famphur	218		11.566					
167 3,3'-Dimethylbenzidine	212		11.625					
168 4,4'-DDT	235		11.658					
169 2-Acetylaminofluorene	181		11.908					
170 3,3'-Dimethoxybenzidine	244	12.129	12.135	-0.006	87	261366	4.48	
172 4,4'-Methylene bis(2-chloroanili	231	12.172	12.172	0.0	66	262310	5.21	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	12.172	12.172	0.0	65	526070	5.19	
171 Bis(2-ethylhexyl) phthalate	149	12.193	12.193	0.0	96	903061	5.00	
175 Benzo[a]anthracene	228	12.225	12.226	-0.001	98	1440585	5.22	
176 Chrysene	228	12.268	12.268	0.0	95	1388388	5.32	
174 Hexabromobenzene	232		12.383					
177 6-Methylchrysene	242		12.973					
178 Di-n-octyl phthalate	149	13.087	13.087	0.0	99	1332364	4.64	
180 Benzo[b]fluoranthene	252	13.702	13.702	0.0	93	1368617	5.28	
181 Benzo[k]fluoranthene	252	13.739	13.745	-0.006	95	1358803	4.89	
179 7,12-Dimethylbenz(a)anthracene	256		13.807					
182 Benzo[a]pyrene	252	14.194	14.194	0.0	73	1313237	5.39	
183 3-Methylcholanthrene	268		14.850					9
184 Dibenz[a,j]acridine	279		15.695					
185 Dibenz[a,h]acridine	279		15.765					
186 Indeno[1,2,3-cd]pyrene	276	15.905	15.905	0.0	98	1430456	5.53	
187 Dibenz(a,h)anthracene	278	15.932	15.932	0.0	73	1148802	5.22	
188 Benzo[g,h,i]perylene	276	16.333	16.339	-0.006	89	1228555	5.42	
S 189 Methyl Phenols,Total	100				0		5.18	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110	7.278	0.0	7.278	87	119413	0	
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.192	3.050	0.142	1	147	0	
T 194 Octadecane (TIC)	254	12.894	6.300	6.594	86	23693	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

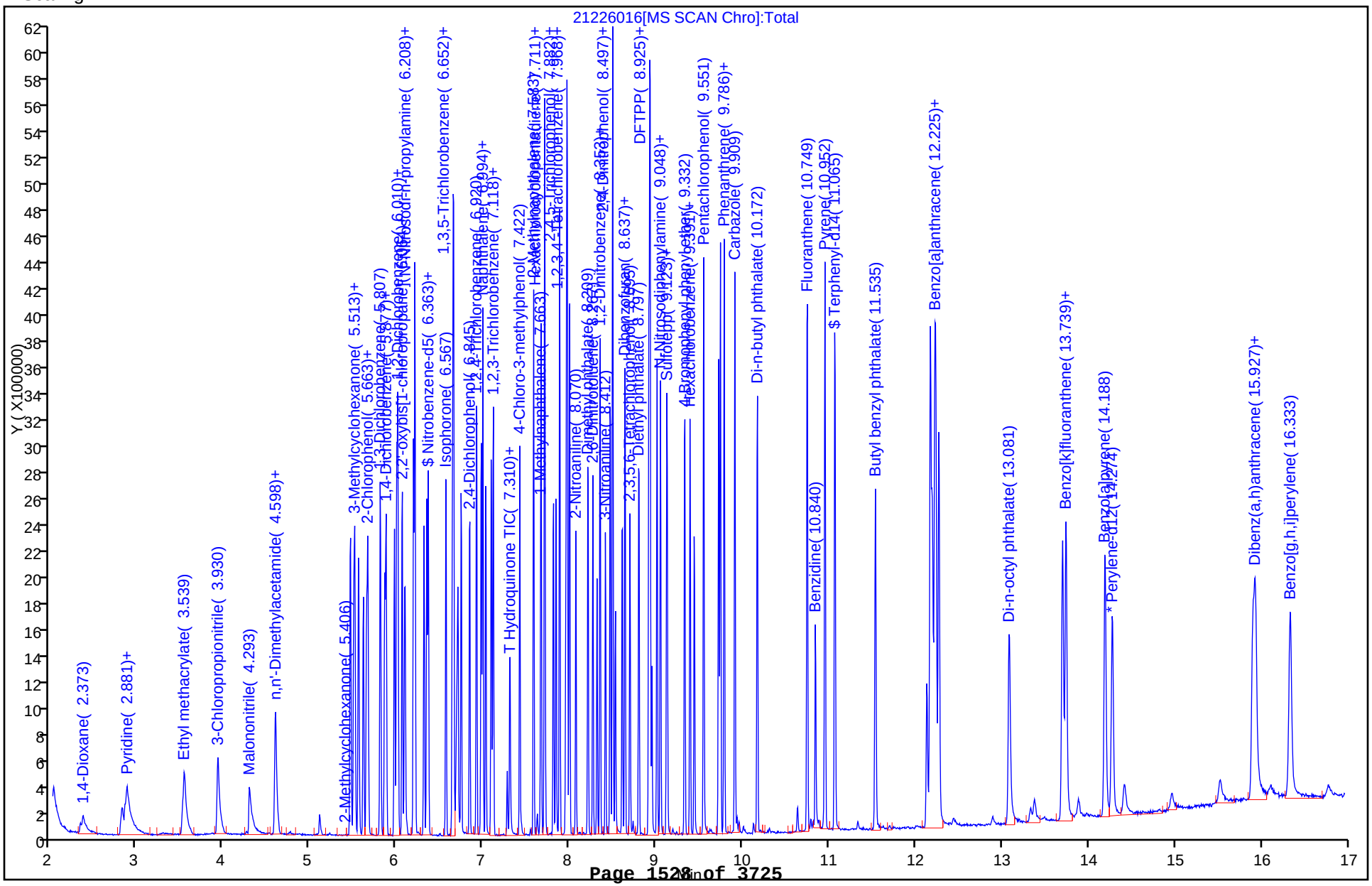
Report Date: 27-Dec-2012 09:55:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226016.D

Injection Date:	26-Dec-2012 14:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70417/4

Matrix: Solid | Lab File ID: 21228004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/28/2012 11:00

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.90		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.06		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.26		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.17		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.46		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.44		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.32		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	10.3		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.30		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.91		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.04		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.03		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	5.12		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.43		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.23		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.27		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.28		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.07		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.24		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.13		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.16		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.35		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.88		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.14		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.11		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.22		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.41		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.17		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.93		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.18		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.99		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.19		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	5.33		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	10.5		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70417/4

Matrix: Solid | Lab File ID: 21228004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/28/2012 11:00

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.15		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.12		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.07		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.23		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.19		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.21		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.24		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.05		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.17		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.42		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.09		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.00		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.31		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.89		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.13		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.16		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.24		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.39		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.23		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.53		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.25		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.25		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	5.27		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	10.8		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	5.12		0.00020	0.00010	0.00010
108-95-2	Phenol	5.12		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.31		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.27		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.17		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.31		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70417/4

Matrix: Solid | Lab File ID: 21228004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/28/2012 11:00

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	100		50-150
367-12-4	2-Fluorophenol (Surr)	105		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	104	Q	50-150
4165-62-2	Phenol-d5 (Surr)	106	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	103		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	104		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228004.D
Lims ID: mrl qc
Client ID:
Inject. Date: 28-Dec-2012 11:00:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016244-004
Misc. Info.: MRL QC
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 4
Lims Batch ID: 70417
Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\8270_hp7.m
Last Update: 28-Dec-2012 13:47:32
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK012

First Level Reviewer: gruberj
Date: 28-Dec-2012 11:36:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.841	5.841	0.0	97	242670	4.00	
* 2 Naphthalene-d8	136	6.959	6.959	0.0	99	961377	4.00	
* 3 Acenaphthene-d10	164	8.451	8.451	0.0	91	571345	4.00	
* 4 Phenanthrene-d10	188	9.703	9.703	0.001	98	885216	4.00	
* 5 Chrysene-d12	240	12.200	12.200	0.0	94	934021	4.00	
* 6 Perylene-d12	264	14.227	14.227	0.0	92	760786	4.00	
$ 7 2-Fluorophenol	112	4.573	4.573	0.0	95	391958	5.26	
$ 8 Phenol-d5	99	5.482	5.488	-0.006	96	524055	5.29	
$ 9 Nitrobenzene-d5	82	6.328	6.333	-0.005	93	553068	5.22	
$ 10 2-Fluorobiphenyl (Surr)	172	7.868	7.868	0.0	100	1019778	4.98	
$ 11 2,4,6-Tribromophenol	330	9.109	9.114	-0.005	83	100246	5.22	
$ 12 Terphenyl-d14	244	11.040	11.045	-0.005	99	988690	5.17	
16 2,3-Dichlorophenol	1		0.000					
21 Octachlorostyrene	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
17 4-Chlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
22 3-Methylcatechol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					
24 1,4-Dioxane	88	2.316	2.316	0.0	95	164825	4.80	M
25 N-Nitrosodimethylamine	74	2.760	2.755	0.005	87	240337	5.09	
26 Pyridine	79	2.819	2.808	0.011	91	451320	5.36	
232 1-Methyl-2-pyrrilidinone	99	3.193	3.271	-0.078	0	58	0	
27 Ethyl methacrylate	69	3.498	3.493	0.005	90	342485	4.98	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.894	3.894	0.0	84	347195	5.31	
30 2-Picoline	93		3.910					9
31 N-Nitrosomethylethylamine	88		4.049					9
32 Malononitrile	66	4.268	4.263	0.005	96	453607	4.65	
33 Acrylamide	71	4.391	4.382	0.009	13	50	0	
34 Methyl methanesulfonate	80		4.402					
29 3-Picoline	93		4.455					
233 n,n'-Dimethylacetamide	44	4.482	4.488	-0.006	0	499	0	
35 N-Nitrosodiethylamine	102		4.819					
36 Ethyl methanesulfonate	79		5.119					
37 2-Methylcyclohexanone	68	5.343	5.327	0.016	1	86	0	
38 3-Methylcyclohexanone	69	5.365	5.365	0.0	1	552	0	
39 4-Methylcyclohexanone	55	5.381	5.413	-0.032	1	2955	0	
40 Benzaldehyde	77	5.445	5.445	0.0	90	438566	5.59	
41 Phenol	94	5.499	5.498	0.0	98	531992	5.12	
42 Phenylmercaptan	110		5.500					
43 Aniline	93	5.536	5.541	-0.005	96	679165	5.03	
45 Pentachloroethane	167		5.589					
44 Bis(2-chloroethyl)ether	93	5.595	5.595	0.0	91	506724	5.03	
46 2-Chlorophenol	128	5.648	5.648	0.0	97	429845	5.24	
47 1,3-Dichlorobenzene	146	5.793	5.793	0.0	96	543664	5.11	
48 1,4-Dichlorobenzene	146	5.857	5.857	0.0	91	461361	5.22	
49 Benzyl alcohol	108	5.953	5.958	-0.005	87	250951	4.91	
50 1,2-Dichlorobenzene	146	5.996	5.996	0.0	94	524028	5.14	
51 2-Methylphenol	108	6.044	6.049	-0.005	97	395513	5.31	
52 2,2'-oxybis[1-chloropropane]	45	6.076	6.076	0.0	90	738539	5.14	
53 Indene	115		6.083					9
55 N-Nitrosopyrrolidine	100		6.172					
191 3 & 4 Methylphenol	108	6.178	6.178	0.0	97	391752	4.89	
56 N-Nitrosodi-n-propylamine	70	6.188	6.188	0.0	92	314351	5.25	
57 Acetophenone	105	6.194	6.194	0.0	90	586337	5.07	
58 N-Nitrosomorpholine	56		6.210					
59 2-Toluidine	106		6.226					
60 Hexachloroethane	117	6.295	6.301	-0.006	92	216316	5.17	
61 Nitrobenzene	77	6.349	6.349	0.0	88	572837	5.23	
62 N-Nitrosopiperidine	114		6.477					
63 Isophorone	82	6.552	6.552	0.0	97	811662	5.09	
65 2-Nitrophenol	139	6.627	6.627	0.0	94	217728	5.53	
66 1,3,5-Trichlorobenzene	180	6.632	6.638	-0.006	94	450393	5.26	
64 2,4-Dimethylphenol	107	6.643	6.643	0.0	91	423638	5.18	
67 o,o',o''-Triethylphosphorothioat	198		6.702					
69 Benzoic acid	122	6.691	6.707	-0.016	86	469340	10.3	
68 Bis(2-chloroethoxy)methane	93	6.729	6.729	0.0	95	603259	5.04	
70 alpha,alpha-Dimethyl phenethylam	58		6.804					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.825	6.830	-0.005	97	329859	5.17	
72 1,2,4-Trichlorobenzene	180	6.905	6.905	0.0	93	450558	5.27	
73 Naphthalene	128	6.980	6.980	0.0	96	1204520	5.13	
74 4-Chloroaniline	127	7.012	7.012	0.0	85	512040	5.17	
75 2,6-Dichlorophenol	162		7.023					9
76 Hexachloropropene	213		7.055					
77 Hexachlorobutadiene	225	7.076	7.076	0.0	91	243357	5.24	
78 1,2,3-Trichlorobenzene	180	7.098	7.103	-0.005	91	417450	0	
79 Benzothiazole	135		7.206					9
80 Quinoline	129		7.271					
81 N-Nitrosodi-n-butylamine	84		7.285					
83 Caprolactam	113	7.290	7.296	-0.006	70	120979	5.73	
82 p-Phenylene diamine	108		7.312					9
84 4-Chloro-3-methylphenol	107	7.408	7.408	0.0	94	360294	5.28	
93 Safrole, Total	162		7.477					
85 2-Methylnaphthalene	142	7.563	7.568	-0.005	90	771465	5.00	
86 1-Methylnaphthalene	142	7.649	7.654	-0.005	90	734827	5.08	
87 1,2,3,5-Tetrachlorobenzene	216	7.691	7.697	-0.006	91	430243	5.24	
88 Hexachlorocyclopentadiene	237	7.697	7.697	0.0	84	195752	4.05	
89 1,2,4,5-Tetrachlorobenzene	216		7.707					
225 Isosafrole Peak 1	162		7.724					
90 2,4,6-Trichlorophenol	196	7.793	7.798	-0.005	94	238681	5.31	
91 2,4,5-Trichlorophenol	196	7.825	7.825	0.0	93	253927	5.17	
227 Isosafrole Peak 2	162		7.916					
94 2,4-Toluene diamine	121	7.937	7.937	0.0	95	215768	4.72	
96 1,2,3,4 -Tetrachlorobenzene	216	7.948	7.948	0.0	95	411369	0	
95 1,1'-Biphenyl	154	7.954	7.959	-0.005	95	922203	4.91	
98 2-Chloronaphthalene	162	7.980	7.980	0.0	96	905466	5.07	
97 3,4-Dichloronitrobenzene	109		7.993					9
99 Phenyl ether	170		8.051					9
100 2-Nitroaniline	65	8.055	8.055	0.0	79	260769	5.16	
101 1,4-Naphthoquinone	158		8.125					
104 1,3-Dinitrobenzene	168		8.167					9
103 Dimethyl phthalate	163	8.194	8.194	0.0	98	818518	4.99	
102 1,4-Dinitrobenzene	168		8.226					
105 2,6-Dinitrotoluene	165	8.253	8.253	0.0	94	209194	5.12	
106 1,2-Dinitrobenzene	168	8.301	8.301	0.0	89	108849	5.20	
107 Acenaphthylene	152	8.333	8.333	0.0	91	1187568	5.06	
108 3-Nitroaniline	138	8.397	8.397	0.0	90	211589	5.24	
110 Acenaphthene	153	8.478	8.478	0.0	89	715934	4.90	
109 2,4-Dinitrophenol	184	8.483	8.483	0.0	70	204313	10.5	
111 4-Nitrophenol	109	8.510	8.515	-0.005	93	125209	5.25	
113 Pentachlorobenzene	250		8.585					9
112 2,4-Dinitrotoluene	165	8.590	8.595	-0.005	86	288767	5.15	
114 Dibenzofuran	168	8.622	8.622	0.0	85	1052515	4.88	
115 2,3,5,6-Tetrachlorophenol	232	8.681	8.681	0.0	92	209322	5.37	
116 1-Naphthylamine	143		8.686					9
117 2,3,4,6-Tetrachlorophenol	232		8.713					
118 2-Naphthylamine	143		8.750					9
119 Diethyl phthalate	149	8.783	8.782	0.001	97	808383	4.93	
120 Thionazin	97		8.852					9
121 4-Chlorophenyl phenyl ether	204	8.895	8.900	-0.005	96	491584	5.13	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
122 N-Nitro-o-toluidine	152		8.906					
123 4-Nitroaniline	138	8.911	8.911	0.0	80	215963	5.39	
124 Fluorene	166	8.911	8.911	0.0	92	893323	5.19	
126 4,6-Dinitro-2-methylphenol	198	8.932	8.938	-0.006	77	134829	5.33	
125 Tributyl phosphate	99		8.948					9
128 Diphenylamine	169	8.991	8.991	0.0	95	632220	4.75	
130 N-Nitrosodiphenylamine	169	8.991	8.996	-0.005	0	632220	5.27	
131 Azobenzene	77	9.029	9.034	-0.005	99	967221	5.23	
129 1,2-Diphenylhydrazine	77	9.029	9.034	-0.005	0	967221	5.23	
132 Sulfotepp	202		9.103					
133 1,3,5-Trinitrobenzene	213		9.189					
228 Diallate Peak 1	86		9.226					
135 Phenacetin	108		9.232					9
136 Phorate	121		9.237					
230 Diallate Peak 2	86		9.307					
137 4-Bromophenyl phenyl ether	248	9.312	9.312	0.0	67	278451	5.43	
139 Hexachlorobenzene	284	9.371	9.376	-0.005	87	266339	5.21	
138 Dimethoate	87		9.382					9
140 Atrazine	200	9.424	9.424	0.0	90	190251	5.64	
127 4-Aminobiphenyl	169		9.526					9
141 Pentachlorophenol	266	9.531	9.531	0.0	88	316650	10.8	
143 Pentachloronitrobenzene	237		9.542					9
142 Pronamide	173		9.558					
145 Dinoseb	211		9.670					
144 Disulfoton	88		9.676					9
146 Phenanthrene	178	9.724	9.724	0.0	97	1215707	5.12	
147 Anthracene	178	9.767	9.772	-0.005	97	1247681	5.26	
148 DFTPP								
149 Carbazole	167	9.890	9.895	-0.005	82	1198146	5.27	
150 Methyl parathion	109		9.991					9
151 Di-n-butyl phthalate	149	10.146	10.152	-0.006	100	1332669	5.19	
152 Diphenylsulfone	125		10.175					9
153 Ethyl Parathion	97		10.312					9
154 4-Nitroquinoline-1-oxide	190		10.366					
155 Methapyrilene	58		10.409					9
156 Isodrin	66		10.601					
157 Fluoranthene	202	10.724	10.729	-0.005	97	1363783	5.23	
158 Benzidine	184	10.820	10.820	0.0	99	507660	4.99	
160 Pyrene	202	10.927	10.933	-0.006	95	1433818	5.31	
164 4,4'-DDE	246		10.981					9
226 Aramite Peak 1	185		11.002					
229 Aramite Peak 2	185		11.072					
161 p-Dimethylamino azobenzene	225		11.173					
162 Chlorobenzilate	139		11.205					
163 4,4'-DDD	235		11.345					
165 Famphur	218		11.457					
166 Butyl benzyl phthalate	149	11.505	11.510	-0.005	96	573658	5.23	
167 3,3'-Dimethylbenzidine	212		11.510					9
168 4,4'-DDT	235		11.628					
169 2-Acetylaminofluorene	181		11.788					9
170 3,3'-Dimethoxybenzidine	244	12.099	12.104	-0.005	83	254693	4.89	
172 4,4'-Methylene bis(2-chloroanili	231	12.136	12.141	-0.005	71	221087	5.03	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	12.136	12.141	-0.005	70	480332	5.41	
171 Bis(2-ethylhexyl) phthalate	149	12.158	12.163	-0.005	96	811528	5.12	
175 Benzo[a]anthracene	228	12.190	12.195	-0.005	95	1249556	5.17	
176 Chrysene	228	12.232	12.238	-0.006	94	1180124	5.16	
174 Hexabromobenzene	232		12.239					
177 6-Methylchrysene	242		12.839					
178 Di-n-octyl phthalate	149	13.045	13.045	0.0	99	1284206	5.07	
179 7,12-Dimethylbenz(a)anthracene	256		13.639					
180 Benzo[b]fluoranthene	252	13.655	13.660	-0.005	94	1234752	5.44	
181 Benzo[k]fluoranthene	252	13.693	13.703	-0.010	99	1291478	5.30	
182 Benzo[a]pyrene	252	14.142	14.147	-0.005	75	1165450	5.46	
183 3-Methylcholanthrene	268		14.666					9
184 Dibenz[a,j]acridine	279		15.524					
185 Dibenz[a,h]acridine	279		15.593					
186 Indeno[1,2,3-cd]pyrene	276	15.843	15.853	-0.010	96	1229314	5.42	
187 Dibenz(a,h)anthracene	278	15.875	15.880	-0.005	70	1032723	5.35	
188 Benzo[g,h,i]perylene	276	16.265	16.281	-0.016	94	1056723	5.32	
S 189 Methyl Phenols,Total	100				0		5.31	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110	7.264	0.0	7.264	90	97511	0	
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	2.963	3.050	-0.087	1	140	0	
T 194 Octadecane (TIC)	254	15.474	6.300	9.174	90	80625	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

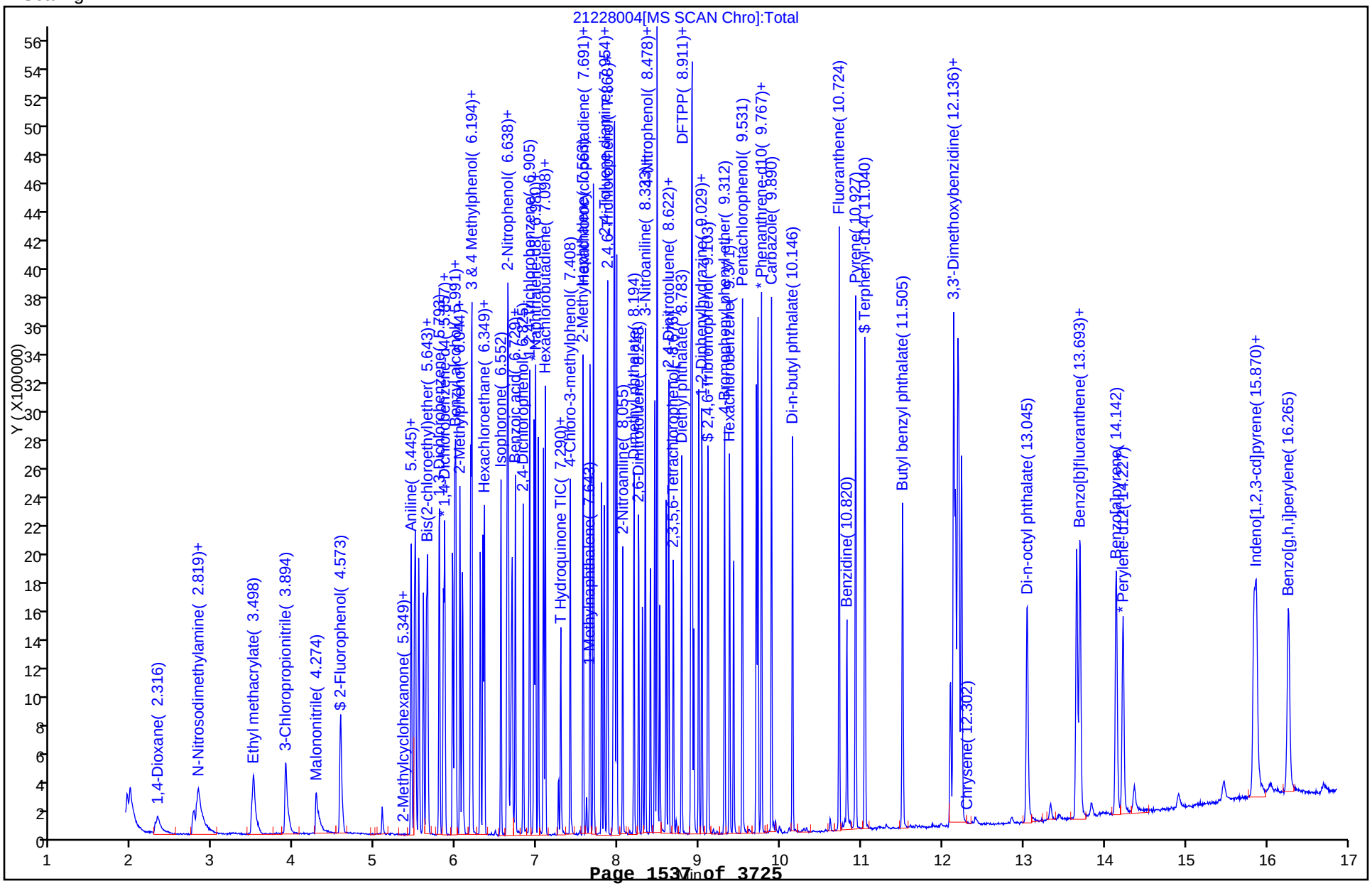
Review Flags
M - Manually Integrated

Report Date: 28-Dec-2012 13:47:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228004.D		
Injection Date:	28-Dec-2012 11:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70417/18

Matrix: Solid | Lab File ID: 21228018.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/28/2012 17:13

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.03		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.18		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.19		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.28		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.34		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.30		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.97		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.60		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.17		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.15		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.09		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.10		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	5.24		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.17		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.37		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.14		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.40		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.11		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.18		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.05		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.20		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.25		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	5.01		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.07		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.18		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.17		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.32		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.38		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.08		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.24		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.16		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.23		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.87		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	8.44		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70417/18

Matrix: Solid | Lab File ID: 21228018.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/28/2012 17:13

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.47		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.36		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.28		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.06		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.11		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.06		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.15		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.63		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.22		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.37		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.22		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.06		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.22		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.14		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.15		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.54		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.43		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.68		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.24		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.38		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.09		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.27		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	0.00080	U ^	0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	10.4		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	5.08		0.00020	0.00010	0.00010
108-95-2	Phenol	5.33		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.28		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.23		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.33		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.34		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70417/18

Matrix: Solid | Lab File ID: 21228018.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/28/2012 17:13

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70417 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	102		50-150
367-12-4	2-Fluorophenol (Surr)	104		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	106	Q	50-150
4165-62-2	Phenol-d5 (Surr)	107	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	101		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	107		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228018.D
Lims ID: mrl qccl
Client ID:
Inject. Date: 28-Dec-2012 17:13:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016244-018
Misc. Info.: MRL QCCL
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 18
Lims Batch ID: 70417
Lims Sample ID: 18
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121228-16244.b\8270_hp7.m
Last Update: 29-Dec-2012 12:38:31
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK027

First Level Reviewer: gruberj
Date: 29-Dec-2012 12:29:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.841	5.841	0.0	97	331507	4.00	
* 2 Naphthalene-d8	136	6.959	6.959	0.0	99	1322783	4.00	
* 3 Acenaphthene-d10	164	8.451	8.451	0.0	92	792883	4.00	
* 4 Phenanthrene-d10	188	9.702	9.703	0.0	97	1294885	4.00	
* 5 Chrysene-d12	240	12.200	12.200	0.0	92	1338016	4.00	
* 6 Perylene-d12	264	14.227	14.227	0.0	92	1113058	4.00	
$ 7 2-Fluorophenol	112	4.573	4.573	0.0	95	526645	5.18	
$ 8 Phenol-d5	99	5.488	5.488	0.0	90	721264	5.33	
$ 9 Nitrobenzene-d5	82	6.333	6.333	0.0	92	773461	5.31	
$ 10 2-Fluorobiphenyl (Surr)	172	7.868	7.868	0.0	99	1446851	5.09	
$ 11 2,4,6-Tribromophenol	330	9.114	9.114	0.0	94	142205	5.33	
$ 12 Terphenyl-d14	244	11.040	11.045	-0.005	98	1386725	5.07	
14 4-Methylcatechol	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
17 4-Chlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
22 3-Methylcatechol	1		0.000					
21 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
20 2,5-Dichlorophenol	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
24 1,4-Dioxane	88	2.316	2.316	0.0	97	217449	4.64	M
25 N-Nitrosodimethylamine	74	2.760	2.755	0.005	88	341748	5.30	
26 Pyridine	79	2.819	2.808	0.011	89	574456	4.99	
232 1-Methyl-2-pyrrilidinone	99		3.271					14
27 Ethyl methacrylate	69	3.498	3.493	0.005	90	458370	4.88	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.899	3.894	0.005	84	485329	5.44	
30 2-Picoline	93		3.910					9
31 N-Nitrosomethylethylamine	88		4.049					
32 Malononitrile	66	4.268	4.263	0.005	97	720591	5.40	
33 Acrylamide	71	4.381	4.382	-0.001	1	274	0	
34 Methyl methanesulfonate	80		4.402					
29 3-Picoline	93		4.455					
233 n,n'-Dimethylacetamide	44	4.498	4.488	0.010	0	473	0	
35 N-Nitrosodiethylamine	102		4.819					
36 Ethyl methanesulfonate	79		5.119					9
37 2-Methylcyclohexanone	68	5.333	5.327	0.006	1	141	0	
38 3-Methylcyclohexanone	69	5.375	5.365	0.010	1	695	0	
39 4-Methylcyclohexanone	55	5.434	5.413	0.021	1	1084	0	
40 Benzaldehyde	77	5.445	5.445	0.0	91	608110	5.68	
41 Phenol	94	5.498	5.498	0.0	98	756265	5.33	
42 Phenylmercaptan	110		5.500					
43 Aniline	93	5.536	5.541	-0.005	97	968394	5.25	
45 Pentachloroethane	167		5.589					
44 Bis(2-chloroethyl)ether	93	5.595	5.595	0.0	92	702297	5.10	
46 2-Chlorophenol	128	5.648	5.648	0.0	95	580293	5.18	
47 1,3-Dichlorobenzene	146	5.793	5.793	0.0	95	752602	5.18	
48 1,4-Dichlorobenzene	146	5.857	5.857	0.0	91	623817	5.17	
49 Benzyl alcohol	108	5.958	5.958	0.0	88	360080	5.15	
50 1,2-Dichlorobenzene	146	5.996	5.996	0.0	93	705515	5.07	
51 2-Methylphenol	108	6.044	6.049	-0.005	97	531261	5.22	
52 2,2'-oxybis[1-chloropropane]	45	6.076	6.076	0.0	90	1031638	5.26	
53 Indene	115		6.083					9
55 N-Nitrosopyrrolidine	100		6.172					9
191 3 & 4 Methylphenol	108	6.178	6.178	0.0	96	561568	5.14	
56 N-Nitrosodi-n-propylamine	70	6.188	6.188	0.0	92	430715	5.27	
57 Acetophenone	105	6.194	6.194	0.0	90	834961	5.28	
58 N-Nitrosomorpholine	56		6.210					
59 2-Toluidine	106		6.226					
60 Hexachloroethane	117	6.295	6.301	-0.006	92	298500	5.22	
61 Nitrobenzene	77	6.349	6.349	0.0	88	789911	5.24	
62 N-Nitrosopiperidine	114		6.477					
63 Isophorone	82	6.552	6.552	0.0	96	1146334	5.22	
65 2-Nitrophenol	139	6.627	6.627	0.0	94	291447	5.38	
66 1,3,5-Trichlorobenzene	180	6.632	6.638	-0.006	94	619079	5.25	
64 2,4-Dimethylphenol	107	6.643	6.643	0.0	80	590055	5.24	
67 o,o',o''-Triethylphosphorothioat	198		6.702					
69 Benzoic acid	122	6.697	6.707	-0.010	89	592882	9.60	
68 Bis(2-chloroethoxy)methane	93	6.729	6.729	0.0	96	838183	5.09	
70 alpha,alpha-Dimethyl phenethylam	58		6.804					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.825	6.830	-0.005	97	472708	5.38	
72 1,2,4-Trichlorobenzene	180	6.905	6.905	0.0	90	615675	5.23	
73 Naphthalene	128	6.980	6.980	0.0	96	1664030	5.15	
74 4-Chloroaniline	127	7.012	7.012	0.0	83	706035	5.18	
75 2,6-Dichlorophenol	162		7.023					9
76 Hexachloropropene	213		7.055					9
77 Hexachlorobutadiene	225	7.076	7.076	0.0	96	328796	5.15	
78 1,2,3-Trichlorobenzene	180	7.098	7.103	-0.005	91	581707	0	
79 Benzothiazole	135		7.206					9
80 Quinoline	129		7.271					9
81 N-Nitrosodi-n-butylamine	84		7.285					
83 Caprolactam	113	7.296	7.296	0.0	71	160485	5.52	
82 p-Phenylene diamine	108		7.312					9
84 4-Chloro-3-methylphenol	107	7.408	7.408	0.0	97	507274	5.40	
93 Safrole, Total	162		7.477					
85 2-Methylnaphthalene	142	7.563	7.568	-0.005	90	1073458	5.06	
86 1-Methylnaphthalene	142	7.649	7.654	-0.005	91	1009256	5.08	
87 1,2,3,5-Tetrachlorobenzene	216	7.691	7.697	-0.006	94	587856	5.16	
88 Hexachlorocyclopentadiene	237	7.697	7.697	0.0	82	310454	4.63	
89 1,2,4,5-Tetrachlorobenzene	216		7.707					
225 Isosafrole Peak 1	162		7.724					
90 2,4,6-Trichlorophenol	196	7.793	7.798	-0.005	95	333233	5.34	
91 2,4,5-Trichlorophenol	196	7.825	7.825	0.0	93	363436	5.33	
227 Isosafrole Peak 2	162		7.916					
94 2,4-Toluene diamine	121	7.937	7.937	0.0	96	294433	4.68	
96 1,2,3,4 -Tetrachlorobenzene	216	7.948	7.948	0.0	93	574687	0	
95 1,1'-Biphenyl	154	7.953	7.959	-0.006	95	1288368	4.94	
98 2-Chloronaphthalene	162	7.980	7.980	0.0	95	1266749	5.11	
97 3,4-Dichloronitrobenzene	109		7.993					9
99 Phenyl ether	170		8.051					9
100 2-Nitroaniline	65	8.055	8.055	0.0	79	388589	5.54	
101 1,4-Naphthoquinone	158		8.125					
104 1,3-Dinitrobenzene	168		8.167					9
103 Dimethyl phthalate	163	8.194	8.194	0.0	98	1176012	5.16	
102 1,4-Dinitrobenzene	168		8.226					
105 2,6-Dinitrotoluene	165	8.253	8.253	0.0	87	304761	5.36	
106 1,2-Dinitrobenzene	168	8.301	8.301	0.0	88	152912	5.26	
107 Acenaphthylene	152	8.333	8.333	0.0	90	1686133	5.18	
108 3-Nitroaniline	138	8.397	8.397	0.0	90	304497	5.43	
110 Acenaphthene	153	8.478	8.478	0.0	94	1020709	5.03	
109 2,4-Dinitrophenol	184	8.483	8.483	0.0	71	220348	8.44	
111 4-Nitrophenol	109	8.515	8.515	0.0	93	168021	5.09	
113 Pentachlorobenzene	250		8.585					9
112 2,4-Dinitrotoluene	165	8.590	8.595	-0.005	91	427332	5.47	
114 Dibenzofuran	168	8.622	8.622	0.0	88	1498588	5.01	
115 2,3,5,6-Tetrachlorophenol	232	8.681	8.681	0.0	85	288086	5.33	
116 1-Naphthylamine	143		8.686					9
117 2,3,4,6-Tetrachlorophenol	232		8.713					
118 2-Naphthylamine	143		8.750					9
119 Diethyl phthalate	149	8.782	8.782	0.0	96	1156106	5.08	
120 Thionazin	97		8.852					
121 4-Chlorophenyl phenyl ether	204	8.900	8.900	0.0	94	671517	5.05	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
122 N-Nitro-o-toluidine	152		8.906					
123 4-Nitroaniline	138	8.911	8.911	0.0	64	315476	5.68	
124 Fluorene	166	8.911	8.911	0.0	81	1219163	5.11	
126 4,6-Dinitro-2-methylphenol	198	8.932	8.938	-0.006	78	177500	4.87	
125 Tributyl phosphate	99		8.948					
128 Diphenylamine	169	8.991	8.991	0.0	90	903475	4.64	
130 N-Nitrosodiphenylamine	169		8.996					
131 Azobenzene	77	9.029	9.034	-0.005	99	1402759	5.19	
129 1,2-Diphenylhydrazine	77		9.034					
132 Sulfotepp	202	9.103	9.103	0.0	76	136516	5.25	
133 1,3,5-Trinitrobenzene	213		9.189					9
228 Diallate Peak 1	86		9.226					
135 Phenacetin	108		9.232					9
136 Phorate	121		9.237					9
230 Diallate Peak 2	86		9.307					
137 4-Bromophenyl phenyl ether	248	9.312	9.312	0.0	67	388512	5.17	
139 Hexachlorobenzene	284	9.371	9.376	-0.005	85	378147	5.06	
138 Dimethoate	87		9.382					9
140 Atrazine	200	9.424	9.424	0.0	88	270801	5.48	
127 4-Aminobiphenyl	169		9.526					9
141 Pentachlorophenol	266	9.531	9.531	0.0	87	442818	10.4	
143 Pentachloronitrobenzene	237		9.542					9
142 Pronamide	173		9.558					
145 Dinoseb	211		9.670					
144 Disulfoton	88		9.676					9
146 Phenanthrene	178	9.724	9.724	0.0	96	1766118	5.08	
147 Anthracene	178	9.767	9.772	-0.005	97	1802519	5.19	
148 DFTPP								
149 Carbazole	167	9.890	9.895	-0.005	82	1709670	5.14	
150 Methyl parathion	109		9.991					
151 Di-n-butyl phthalate	149	10.152	10.152	0.0	100	1963738	5.23	
152 Diphenylsulfone	125		10.175					9
153 Ethyl Parathion	97		10.312					9
154 4-Nitroquinoline-1-oxide	190		10.366					
155 Methapyrilene	58		10.409					
156 Isodrin	66		10.601					9
157 Fluoranthene	202	10.724	10.729	-0.005	97	1931566	5.06	
158 Benzidine	184	10.820	10.820	0.0	98	742901	5.08	
160 Pyrene	202	10.927	10.933	-0.006	95	2043962	5.28	
164 4,4'-DDE	246		10.981					9
226 Aramite Peak 1	185		11.002					
229 Aramite Peak 2	185		11.072					
161 p-Dimethylamino azobenzene	225		11.173					
162 Chlorobenzilate	139		11.205					
163 4,4'-DDD	235		11.345					
165 Famphur	218		11.457					
166 Butyl benzyl phthalate	149	11.505	11.510	-0.005	96	842990	5.37	
167 3,3'-Dimethylbenzidine	212		11.510					9
168 4,4'-DDT	235		11.628					
169 2-Acetylaminofluorene	181		11.788					
170 3,3'-Dimethoxybenzidine	244	12.099	12.104	-0.005	91	390871	5.19	
172 4,4'-Methylene bis(2-chloroanili	231	12.136	12.141	-0.005	71	328294	5.20	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	12.141	12.141	0.0	69	676757	5.32	
171 Bis(2-ethylhexyl) phthalate	149	12.157	12.163	-0.006	96	1191579	5.24	
175 Benzo[a]anthracene	228	12.190	12.195	-0.005	92	1826920	5.28	
176 Chrysene	228	12.238	12.238	0.0	94	1704154	5.20	
174 Hexabromobenzene	232		12.239					
177 6-Methylchrysene	242		12.839					
178 Di-n-octyl phthalate	149	13.040	13.045	-0.005	99	1963523	5.28	
179 7,12-Dimethylbenz(a)anthracene	256		13.639					
180 Benzo[b]fluoranthene	252	13.655	13.660	-0.005	95	1760559	5.30	
181 Benzo[k]fluoranthene	252	13.698	13.703	-0.005	98	1842941	5.17	
182 Benzo[a]pyrene	252	14.147	14.147	0.0	77	1669278	5.34	
183 3-Methylcholanthrene	268		14.666					9
184 Dibenz[a,j]acridine	279		15.524					
185 Dibenz[a,h]acridine	279		15.593					
186 Indeno[1,2,3-cd]pyrene	276	15.848	15.853	-0.005	98	1780186	5.37	
187 Dibenz(a,h)anthracene	278	15.875	15.880	-0.005	87	1481284	5.25	
188 Benzo[g,h,i]perylene	276	16.271	16.281	-0.010	94	1442299	4.97	
S 189 Methyl Phenols,Total	100				0		5.22	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110	7.263	0.0	7.263	90	157121	0	
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.059	3.050	0.009	1	151	0	
T 194 Octadecane (TIC)	254	14.366	6.300	8.066	87	250136	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

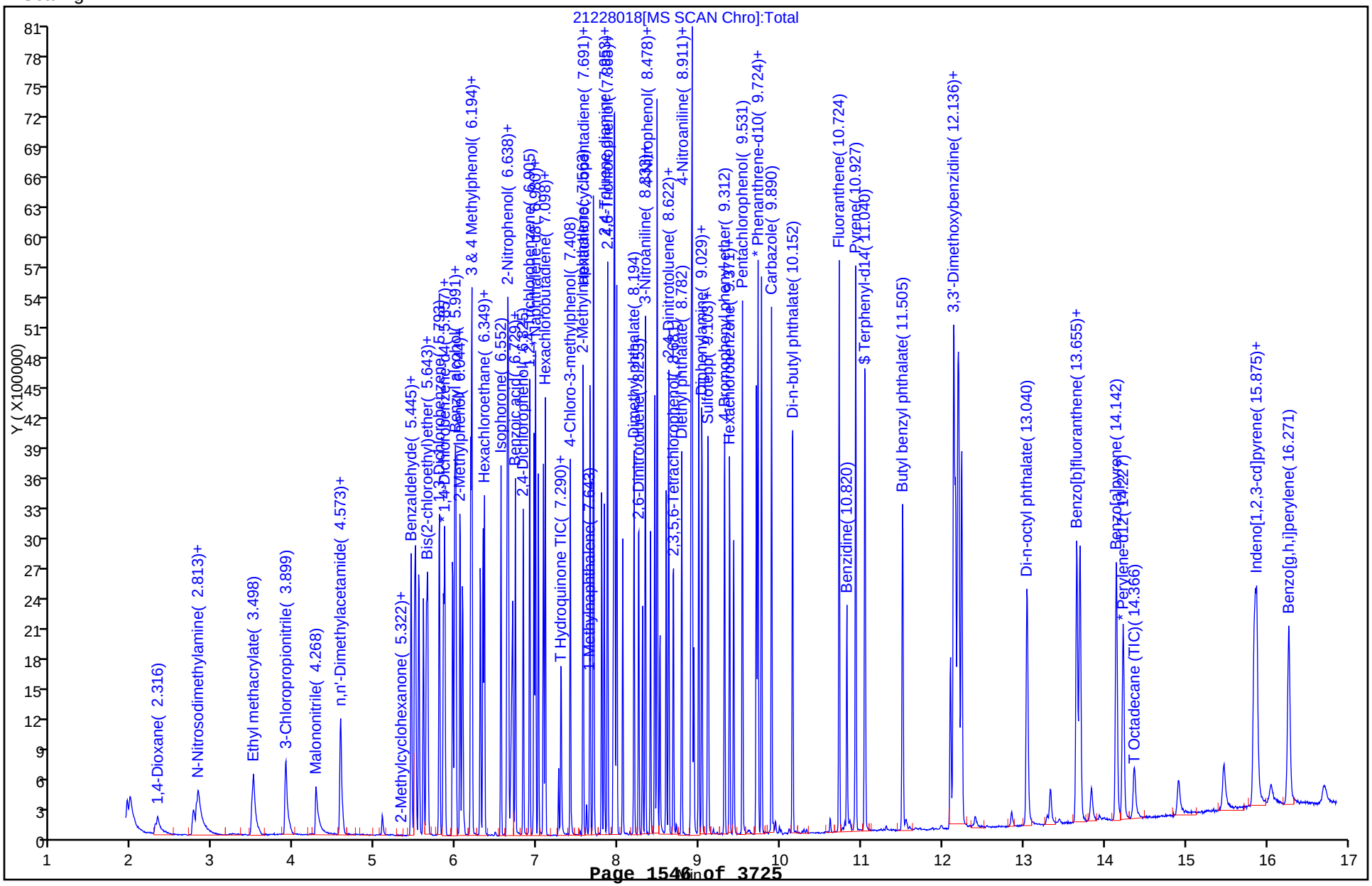
Review Flags
M - Manually Integrated

Report Date: 29-Dec-2012 12:38:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121228-16244.b\21228018.D		
Injection Date:	28-Dec-2012 17:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70417	Lims Sample ID:	18
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70582/4

Matrix: Solid | Lab File ID: 21229004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/29/2012 13:22

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.98		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.19		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.13		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.85		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.56		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.65		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.60		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.08		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.78		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.77		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.08		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.19		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	4.84		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.18		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.94		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.14		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.07		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.10		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.08		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.28		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.79		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.78		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.90		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.09		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.08		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	4.98		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	4.79		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.20		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.07		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.18		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.21		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.34		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.41		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	7.96		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70582/4

Matrix: Solid | Lab File ID: 21229004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/29/2012 13:22

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.20		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.33		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.42		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.18		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.11		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.23		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.17		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.27		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.04		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	4.71		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.17		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.99		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.16		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.92		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.05		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.26		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.18		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.39		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.14		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.18		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.50		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.21		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	0.00080	U ^	0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.77		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	5.00		0.00020	0.00010	0.00010
108-95-2	Phenol	5.18		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.16		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.18		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.18		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.13		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70582/4

Matrix: Solid | Lab File ID: 21229004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/29/2012 13:22

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	103		50-150
367-12-4	2-Fluorophenol (Surr)	104		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	101	Q	50-150
4165-62-2	Phenol-d5 (Surr)	103	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	100		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	106		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229004.D
Lims ID: mrl qc
Client ID:
Inject. Date: 29-Dec-2012 13:22:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016274-004
Misc. Info.: MRL QC
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 4
Lims Batch ID: 70582
Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:46:14
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj
Date: 29-Dec-2012 14:08:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.834	0.0	94	200143	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	100	800285	4.00	
* 3 Acenaphthene-d10	164	8.438	8.438	0.0	92	476988	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	770689	4.00	
* 5 Chrysene-d12	240	12.182	12.177	0.005	94	823517	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	96	533847	4.00	
$ 7 2-Fluorophenol	112	4.571	4.577	-0.006	93	319563	5.20	
$ 8 Phenol-d5	99	5.475	5.480	-0.005	96	420445	5.14	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	91	444602	5.04	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	99	877950	5.14	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	82	85063	5.30	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	98	843947	5.01	
13 Bis(2-hydroxyphenyl)methane	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
21 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
242 Triphenyl Phosphate TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
24 1,4-Dioxane	88	2.341	2.335	0.006	97	146826	5.19	
25 N-Nitrosodimethylamine	74	2.790	2.779	0.011	93	187255	4.81	
26 Pyridine	79	2.838	2.844	-0.006	89	350519	5.05	
232 1-Methyl-2-pyrrilidinone	99		3.271					14
27 Ethyl methacrylate	69	3.502	3.512	-0.010	90	283182	4.99	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.897	3.903	-0.006	83	275038	5.10	
30 2-Picoline	93		3.913					
31 N-Nitrosomethylethylamine	88		4.053					
32 Malononitrile	66	4.277	4.266	0.011	97	355620	4.42	
33 Acrylamide	71	4.432	4.382	0.050	1	215	0	
34 Methyl methanesulfonate	80		4.400					
29 3-Picoline	93		4.459					
233 n,n'-Dimethylacetamide	44	4.486	4.486	0.0	0	615	0	
35 N-Nitrosodiethylamine	102		4.817					
36 Ethyl methanesulfonate	79		5.112					
37 2-Methylcyclohexanone	68	5.315	5.320	-0.005	1	237	0	
38 3-Methylcyclohexanone	69	5.352	5.358	-0.006	4	543	0	
39 4-Methylcyclohexanone	55	5.352	5.406	-0.054	1	2991	0	
40 Benzaldehyde	77	5.438	5.438	0.0	90	348540	5.39	
41 Phenol	94	5.491	5.491	0.0	98	443965	5.18	
42 Phenylmercaptan	110		5.500					
43 Aniline	93	5.529	5.529	0.0	97	560952	5.04	
45 Pentachloroethane	167		5.577					
44 Bis(2-chloroethyl)ether	93	5.588	5.587	0.001	93	431501	5.19	
46 2-Chlorophenol	128	5.641	5.641	0.0	95	343724	5.08	
47 1,3-Dichlorobenzene	146	5.780	5.780	0.0	95	445505	5.08	
48 1,4-Dichlorobenzene	146	5.850	5.850	0.0	82	362998	4.98	
49 Benzyl alcohol	108	5.946	5.946	0.0	87	201223	4.77	
50 1,2-Dichlorobenzene	146	5.983	5.983	0.0	92	427840	5.09	
51 2-Methylphenol	108	6.037	6.037	0.0	96	317357	5.16	
52 2,2'-oxybis[1-chloropropane]	45	6.064	6.063	0.001	90	624409	5.27	
53 Indene	115		6.083					9
55 N-Nitrosopyrrolidine	100		6.160					
191 3 & 4 Methylphenol	108	6.165	6.165	0.0	98	324795	4.92	
56 N-Nitrosodi-n-propylamine	70	6.176	6.176	0.0	91	257407	5.21	
57 Acetophenone	105	6.181	6.181	0.0	91	482612	5.06	
58 N-Nitrosomorpholine	56		6.197					
59 2-Toluidine	106		6.213					9
60 Hexachloroethane	117	6.288	6.288	0.0	91	174052	5.04	
61 Nitrobenzene	77	6.336	6.336	0.0	89	469164	5.14	
62 N-Nitrosopiperidine	114		6.465					
63 Isophorone	82	6.540	6.540	0.0	97	685729	5.17	
65 2-Nitrophenol	139	6.614	6.614	0.0	94	169620	5.18	
66 1,3,5-Trichlorobenzene	180	6.620	6.625	-0.005	93	373264	5.24	
64 2,4-Dimethylphenol	107	6.631	6.630	0.0	80	352518	5.18	
69 Benzoic acid	122	6.673	6.689	-0.016	88	293428	8.08	
67 o,o',o''-Triethylphosphorothioat	198		6.689					
68 Bis(2-chloroethoxy)methane	93	6.716	6.716	0.0	95	505537	5.08	
70 alpha,alpha-Dimethyl phenethylam	58		6.791					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.812	6.818	-0.006	96	276085	5.20	
72 1,2,4-Trichlorobenzene	180	6.893	6.893	0.0	92	369200	5.18	
73 Naphthalene	128	6.967	6.967	0.0	96	988203	5.05	
74 4-Chloroaniline	127	7.000	7.000	0.0	84	420117	5.09	
75 2,6-Dichlorophenol	162		7.010					9
76 Hexachloropropene	213		7.042					9
77 Hexachlorobutadiene	225	7.064	7.064	0.0	91	199790	5.17	
78 1,2,3-Trichlorobenzene	180	7.085	7.085	0.0	90	342827	0	
79 Benzothiazole	135		7.206					9
80 Quinoline	129		7.271					9
81 N-Nitrosodi-n-butylamine	84		7.272					
83 Caprolactam	113	7.278	7.283	-0.005	70	93934	5.34	
82 p-Phenylene diamine	108		7.299					9
84 4-Chloro-3-methylphenol	107	7.395	7.395	0.0	96	288247	5.07	
93 Safrole, Total	162		7.465					
85 2-Methylnaphthalene	142	7.550	7.556	-0.006	90	640015	4.99	
86 1-Methylnaphthalene	142	7.636	7.636	0.0	82	609638	5.07	
87 1,2,3,5-Tetrachlorobenzene	216	7.679	7.679	0.0	90	347611	5.07	
88 Hexachlorocyclopentadiene	237	7.684	7.684	0.0	85	172060	4.27	
89 1,2,4,5-Tetrachlorobenzene	216		7.690					
225 Isosafrole Peak 1	162		7.711					
90 2,4,6-Trichlorophenol	196	7.780	7.780	0.0	94	192579	5.13	
91 2,4,5-Trichlorophenol	196	7.813	7.812	0.001	95	212406	5.18	
227 Isosafrole Peak 2	162		7.904					
94 2,4-Toluene diamine	121	7.925	7.925	0.0	96	137693	3.62	
96 1,2,3,4 -Tetrachlorobenzene	216	7.936	7.936	0.0	92	343169	0	
95 1,1'-Biphenyl	154	7.941	7.941	0.0	95	791581	5.05	
98 2-Chloronaphthalene	162	7.968	7.968	0.0	96	760198	5.10	
97 3,4-Dichloronitrobenzene	109		7.993					
100 2-Nitroaniline	65	8.043	8.042	0.001	78	221793	5.26	
99 Phenyl ether	170		8.051					
101 1,4-Naphthoquinone	158		8.112					
104 1,3-Dinitrobenzene	168		8.155					9
103 Dimethyl phthalate	163	8.182	8.182	0.0	98	713182	5.21	
102 1,4-Dinitrobenzene	168		8.214					
105 2,6-Dinitrotoluene	165	8.235	8.240	-0.005	86	182236	5.33	
106 1,2-Dinitrobenzene	168	8.289	8.289	0.0	88	90729	5.19	
107 Acenaphthylene	152	8.321	8.321	0.0	95	1017505	5.19	
108 3-Nitroaniline	138	8.385	8.385	0.0	87	174823	5.18	
110 Acenaphthene	153	8.465	8.465	0.0	92	608505	4.98	
109 2,4-Dinitrophenol	184	8.470	8.470	0.0	75	123666	7.96	
111 4-Nitrophenol	109	8.503	8.502	0.001	92	88540	4.50	
113 Pentachlorobenzene	250		8.572					9
112 2,4-Dinitrotoluene	165	8.577	8.577	0.0	83	243156	5.20	
114 Dibenzofuran	168	8.610	8.609	0.001	88	883141	4.90	
115 2,3,5,6-Tetrachlorophenol	232	8.663	8.668	-0.005	85	165426	5.09	
116 1-Naphthylamine	143		8.668					9
117 2,3,4,6-Tetrachlorophenol	232		8.701					
118 2-Naphthylamine	143		8.738					9
119 Diethyl phthalate	149	8.770	8.770	0.0	97	693100	5.07	
120 Thionazin	97		8.840					
121 4-Chlorophenyl phenyl ether	204	8.882	8.882	0.0	96	422237	5.28	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
122 N-Nitro-o-toluidine	152		8.893					9
123 4-Nitroaniline	138	8.893	8.898	-0.005	66	180012	5.39	
124 Fluorene	166	8.898	8.898	0.0	82	734245	5.11	
126 4,6-Dinitro-2-methylphenol	198	8.920	8.920	0.0	75	93822	4.41	
125 Tributyl phosphate	99		8.936					9
130 N-Nitrosodiphenylamine	169		8.978					
128 Diphenylamine	169	8.979	8.979	0.0	94	536702	4.63	
131 Azobenzene	77	9.016	9.016	0.0	99	845226	5.25	
129 1,2-Diphenylhydrazine	77		9.016					
132 Sulfotepp	202	9.091	9.091	0.0	77	85938	5.56	
133 1,3,5-Trinitrobenzene	213		9.182					9
228 Diallate Peak 1	86		9.214					
135 Phenacetin	108		9.219					
136 Phorate	121		9.225					9
230 Diallate Peak 2	86		9.294					
137 4-Bromophenyl phenyl ether	248	9.299	9.299	0.0	68	231513	5.18	
139 Hexachlorobenzene	284	9.358	9.358	0.0	88	232579	5.23	
138 Dimethoate	87		9.369					9
140 Atrazine	200	9.412	9.412	0.0	91	160391	5.46	
127 4-Aminobiphenyl	169		9.514					9
141 Pentachlorophenol	266	9.519	9.519	0.0	89	248769	9.77	
143 Pentachloronitrobenzene	237		9.530					9
142 Pronamide	173		9.546					
145 Dinoseb	211		9.653					
144 Disulfoton	88		9.658					9
146 Phenanthrene	178	9.711	9.711	0.0	97	1033608	5.00	
147 Anthracene	178	9.754	9.754	0.0	98	1059992	5.13	
148 DFTPP								
149 Carbazole	167	9.877	9.877	0.0	82	1017435	5.14	
150 Methyl parathion	109		9.979					9
151 Di-n-butyl phthalate	149	10.134	10.134	0.0	100	1195144	5.34	
152 Diphenylsulfone	125		10.175					
153 Ethyl Parathion	97		10.300					9
154 4-Nitroquinoline-1-oxide	190		10.353					
155 Methapyrilene	58		10.396					9
156 Isodrin	66		10.583					
157 Fluoranthene	202	10.712	10.711	0.001	98	1176705	5.18	
158 Benzidine	184	10.808	10.808	0.0	98	325278	3.78	
160 Pyrene	202	10.909	10.915	-0.006	95	1229219	5.16	
164 4,4'-DDE	246		10.973					9
226 Aramite Peak 1	185		10.984					
229 Aramite Peak 2	185		11.054					
161 p-Dimethylamino azobenzene	225		11.156					
162 Chlorobenzilate	139		11.188					
163 4,4'-DDD	235		11.332					
165 Famphur	218		11.439					
166 Butyl benzyl phthalate	149	11.487	11.487	0.0	97	477515	4.94	
167 3,3'-Dimethylbenzidine	212		11.492					9
168 4,4'-DDT	235		11.610					9
169 2-Acetylaminofluorene	181		11.771					9
170 3,3'-Dimethoxybenzidine	244	12.075	12.081	-0.006	95	139373	3.32	
173 3,3'-Dichlorobenzidine	252	12.118	12.118	0.0	70	375100	4.79	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	12.118	12.118	0.0	73	170383	4.42	
171 Bis(2-ethylhexyl) phthalate	149	12.140	12.140	0.0	97	674233	4.84	
175 Benzo[a]anthracene	228	12.166	12.166	0.0	97	1032961	4.85	
176 Chrysene	228	12.214	12.214	0.0	93	966473	4.79	
174 Hexabromobenzene	232		12.239					
177 6-Methylchrysene	242		12.839					
178 Di-n-octyl phthalate	149	13.017	13.017	0.0	99	968951	5.42	
179 7,12-Dimethylbenz(a)anthracene	256		13.611					
180 Benzo[b]fluoranthene	252	13.627	13.632	-0.005	92	901040	5.65	
181 Benzo[k]fluoranthene	252	13.669	13.669	0.0	99	988672	5.78	
182 Benzo[a]pyrene	252	14.113	14.119	-0.006	78	832496	5.56	
183 3-Methylcholanthrene	268		14.637					
184 Dibenz[a,j]acridine	279		15.524					9
185 Dibenz[a,h]acridine	279		15.593					9
186 Indeno[1,2,3-cd]pyrene	276	15.809	15.814	-0.005	96	748760	4.71	
187 Dibenz(a,h)anthracene	278	15.841	15.841	0.0	83	647129	4.78	
188 Benzo[g,h,i]perylene	276	16.237	16.231	0.006	89	640385	4.60	
S 189 Methyl Phenols,Total	100				0		5.16	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 231 2,3,7,8-TCDD	1		0.000					1
T 193 Hydroquinone TIC	110	7.251	0.0	7.251	87	45429	0	
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.047	3.050	-0.003	1	93	0	
T 194 Octadecane (TIC)	254	6.277	6.300	-0.023	1	309	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

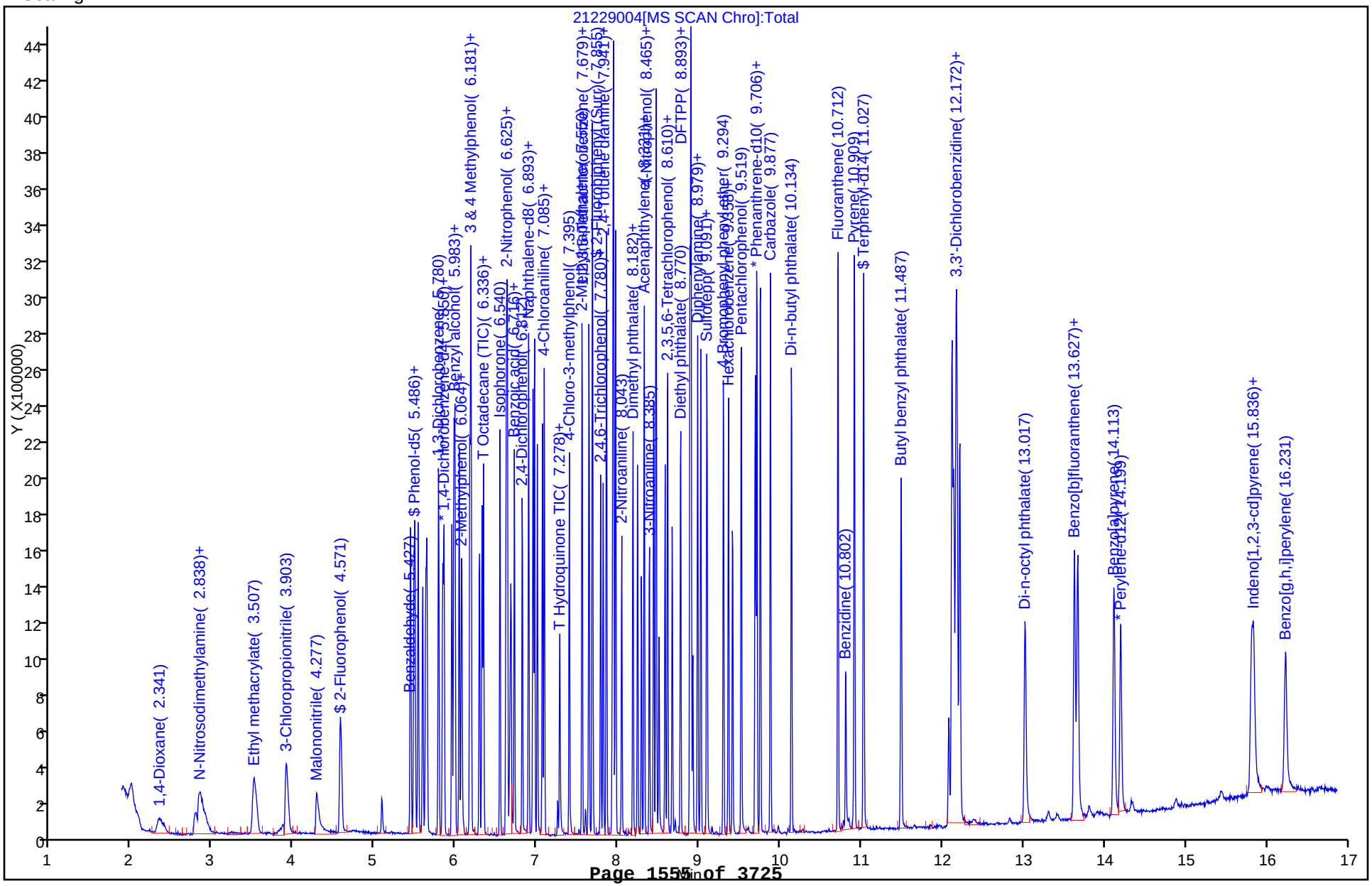
Report Date: 31-Dec-2012 12:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229004.D

Injection Date:	29-Dec-2012 13:22:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70582/24

Matrix: Solid | Lab File ID: 21229024.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/29/2012 21:10

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.07		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.18		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.28		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.20		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.34		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.95		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	3.11	^	0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.60		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.75		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.12		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.24		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.11		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	5.37		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.20		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.78		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.15		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.37		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.11		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.14		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.15		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.22		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	3.50		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	5.01		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.06		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.10		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.17		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.07		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.32		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.18		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.42		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.29		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.43		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	3.79		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	5.69	^	0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70582/24

Matrix: Solid | Lab File ID: 21229024.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/29/2012 21:10

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.29		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.33		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	6.61	^	0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.07		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.13		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.15		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.30		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	2.95	^	0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.22		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	3.65		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.29		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.20		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.24		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.07		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.12		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.47		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.48		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.32		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.26		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.30		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.68		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.15		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	5.18		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.35		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	5.09		0.00020	0.00010	0.00010
108-95-2	Phenol	5.16		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.52		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.35		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.42		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.24		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70582/24

Matrix: Solid | Lab File ID: 21229024.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/29/2012 21:10

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	101		50-150
367-12-4	2-Fluorophenol (Surr)	103		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	104	Q	50-150
4165-62-2	Phenol-d5 (Surr)	104	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	107		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	110		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229024.D
Lims ID: mrl qccl
Client ID:
Inject. Date: 29-Dec-2012 21:10:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016274-024
Misc. Info.: MRL QCCL
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 24
Lims Batch ID: 70582
Lims Sample ID: 24
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:46:14
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj
Date: 31-Dec-2012 11:26:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.834	0.0	96	236600	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	937836	4.00	
* 3 Acenaphthene-d10	164	8.433	8.438	-0.005	91	575062	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	99	938711	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	98	928565	4.00	
* 6 Perylene-d12	264	14.193	14.199	-0.006	95	569652	4.00	
$ 7 2-Fluorophenol	112	4.571	4.577	-0.006	94	372437	5.13	
$ 8 Phenol-d5	99	5.475	5.480	-0.005	90	503252	5.21	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	92	539170	5.22	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	100	1039391	5.04	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	83	106702	5.52	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	98	1016796	5.35	
13 Bis(2-hydroxyphenyl)methane	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
21 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
242 Triphenyl Phosphate TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
24 1,4-Dioxane	88	2.336	2.335	0.001	94	161799	4.83	
25 N-Nitrosodimethylamine	74	2.785	2.779	0.006	90	221730	4.81	
26 Pyridine	79	2.828	2.844	-0.016	90	421176	5.13	
232 1-Methyl-2-pyrrilidinone	99		3.271					14
27 Ethyl methacrylate	69	3.507	3.512	-0.005	91	339832	5.07	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.903	3.903	0.0	86	331766	5.21	
30 2-Picoline	93		3.913					9
31 N-Nitrosomethylethylamine	88		4.053					9
32 Malononitrile	66	4.277	4.266	0.011	97	470021	4.94	
33 Acrylamide	71	4.395	4.382	0.013	1	186	0	
34 Methyl methanesulfonate	80		4.400					
29 3-Picoline	93		4.459					
233 n,n'-Dimethylacetamide	44	4.491	4.486	0.005	0	582	0	
35 N-Nitrosodiethylamine	102		4.817					
36 Ethyl methanesulfonate	79		5.112					
37 2-Methylcyclohexanone	68	5.320	5.320	0.0	1	344	0	
38 3-Methylcyclohexanone	69	5.357	5.358	-0.001	1	187	0	
39 4-Methylcyclohexanone	55	5.427	5.406	0.021	1	870	0	
40 Benzaldehyde	77	5.438	5.438	0.0	90	438426	5.73	
41 Phenol	94	5.491	5.491	0.0	98	522117	5.16	
42 Phenylmercaptan	110		5.500					
43 Aniline	93	5.529	5.529	0.0	97	679026	5.16	
45 Pentachloroethane	167		5.577					
44 Bis(2-chloroethyl)ether	93	5.587	5.587	0.0	92	502062	5.11	
46 2-Chlorophenol	128	5.641	5.641	0.0	95	411252	5.14	
47 1,3-Dichlorobenzene	146	5.780	5.780	0.0	95	529620	5.10	
48 1,4-Dichlorobenzene	146	5.850	5.850	0.0	91	445051	5.17	
49 Benzyl alcohol	108	5.946	5.946	0.0	88	255290	5.12	
50 1,2-Dichlorobenzene	146	5.983	5.983	0.0	92	502556	5.06	
51 2-Methylphenol	108	6.037	6.037	0.0	97	380543	5.24	
52 2,2'-oxybis[1-chloropropane]	45	6.064	6.063	0.001	90	737438	5.27	
53 Indene	115		6.083					
55 N-Nitrosopyrrolidine	100		6.160					
191 3 & 4 Methylphenol	108	6.165	6.165	0.0	96	395431	5.07	
56 N-Nitrosodi-n-propylamine	70	6.176	6.176	0.0	92	300711	5.15	
57 Acetophenone	105	6.181	6.181	0.0	91	587040	5.20	
58 N-Nitrosomorpholine	56		6.197					
59 2-Toluidine	106		6.213					
60 Hexachloroethane	117	6.288	6.288	0.0	91	212782	5.22	
61 Nitrobenzene	77	6.336	6.336	0.0	89	562669	5.26	
62 N-Nitrosopiperidine	114		6.465					
63 Isophorone	82	6.540	6.540	0.0	96	822737	5.29	
65 2-Nitrophenol	139	6.614	6.614	0.0	93	203595	5.30	
66 1,3,5-Trichlorobenzene	180	6.625	6.625	0.0	95	439048	5.25	
64 2,4-Dimethylphenol	107	6.630	6.630	0.0	80	432368	5.42	
69 Benzoic acid	122	6.679	6.689	-0.010	85	369696	8.60	
67 o,o',o''-Triethylphosphorothioat	198		6.689					
68 Bis(2-chloroethoxy)methane	93	6.716	6.716	0.0	96	611090	5.24	
70 alpha,alpha-Dimethyl phenethylam	58		6.791					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.818	6.818	0.0	97	330963	5.32	
72 1,2,4-Trichlorobenzene	180	6.893	6.893	0.0	92	446333	5.35	
73 Naphthalene	128	6.967	6.967	0.0	96	1173694	5.12	
74 4-Chloroaniline	127	7.000	7.000	0.0	85	501243	5.18	
75 2,6-Dichlorophenol	162		7.010					9
76 Hexachloropropene	213		7.042					
77 Hexachlorobutadiene	225	7.064	7.064	0.0	94	239874	5.30	
78 1,2,3-Trichlorobenzene	180	7.085	7.085	0.0	92	419085	0	
79 Benzothiazole	135		7.206					9
80 Quinoline	129		7.271					9
81 N-Nitrosodi-n-butylamine	84		7.272					9
83 Caprolactam	113	7.278	7.283	-0.005	70	118268	5.74	
82 p-Phenylene diamine	108		7.299					
84 4-Chloro-3-methylphenol	107	7.395	7.395	0.0	93	357732	5.37	
93 Safrole, Total	162		7.465					
85 2-Methylnaphthalene	142	7.550	7.556	-0.006	88	781627	5.20	
86 1-Methylnaphthalene	142	7.636	7.636	0.0	89	735012	5.21	
87 1,2,3,5-Tetrachlorobenzene	216	7.679	7.679	0.0	91	423712	5.13	
88 Hexachlorocyclopentadiene	237	7.684	7.684	0.0	85	143289	2.95	
89 1,2,4,5-Tetrachlorobenzene	216		7.690					
225 Isosafrole Peak 1	162		7.711					
90 2,4,6-Trichlorophenol	196	7.780	7.780	0.0	94	237117	5.24	
91 2,4,5-Trichlorophenol	196	7.813	7.812	0.0	94	267898	5.42	
227 Isosafrole Peak 2	162		7.904					
94 2,4-Toluene diamine	121	7.925	7.925	0.0	96	166078	3.72	
96 1,2,3,4 -Tetrachlorobenzene	216	7.936	7.936	0.0	90	421867	0	
95 1,1'-Biphenyl	154	7.941	7.941	0.0	95	930696	4.92	
98 2-Chloronaphthalene	162	7.968	7.968	0.0	97	918555	5.11	
97 3,4-Dichloronitrobenzene	109		7.993					
100 2-Nitroaniline	65	8.043	8.042	0.0	80	278251	5.47	
99 Phenyl ether	170		8.051					
101 1,4-Naphthoquinone	158		8.112					
104 1,3-Dinitrobenzene	168		8.155					9
103 Dimethyl phthalate	163	8.182	8.182	0.0	98	874376	5.29	
102 1,4-Dinitrobenzene	168		8.214					
105 2,6-Dinitrotoluene	165	8.235	8.240	-0.005	89	219624	5.33	
106 1,2-Dinitrobenzene	168	8.289	8.289	0.0	90	109029	5.17	
107 Acenaphthylene	152	8.321	8.321	0.0	94	1223423	5.18	
108 3-Nitroaniline	138	8.385	8.385	0.0	91	222751	5.48	
110 Acenaphthene	153	8.465	8.465	0.0	94	746016	5.07	
109 2,4-Dinitrophenol	184	8.470	8.470	0.0	64	98449	5.69	
111 4-Nitrophenol	109	8.502	8.502	0.0	95	111313	4.68	
113 Pentachlorobenzene	250		8.572					9
112 2,4-Dinitrotoluene	165	8.577	8.577	0.0	88	299113	5.29	
114 Dibenzofuran	168	8.604	8.609	-0.005	89	1087671	5.01	
115 2,3,5,6-Tetrachlorophenol	232	8.663	8.668	-0.005	90	206893	5.28	
116 1-Naphthylamine	143		8.668					9
117 2,3,4,6-Tetrachlorophenol	232		8.701					
118 2-Naphthylamine	143		8.738					9
119 Diethyl phthalate	149	8.770	8.770	0.0	97	853762	5.18	
120 Thionazin	97		8.840					
121 4-Chlorophenyl phenyl ether	204	8.882	8.882	0.0	96	497131	5.15	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
122 N-Nitro-o-toluidine	152		8.893					
123 4-Nitroaniline	138	8.893	8.898	-0.005	65	214365	5.32	
124 Fluorene	166	8.898	8.898	0.0	81	888932	5.13	
126 4,6-Dinitro-2-methylphenol	198	8.920	8.920	0.0	76	94958	3.79	
125 Tributyl phosphate	99		8.936					
130 N-Nitrosodiphenylamine	169	8.979	8.978	0.0	0	659183	5.18	
128 Diphenylamine	169	8.979	8.979	-0.001	91	659183	4.67	
131 Azobenzene	77	9.016	9.016	0.0	98	1039341	5.30	
129 1,2-Diphenylhydrazine	77	9.016	9.016	0.0	0	1040015	5.30	
132 Sulfotepp	202	9.091	9.091	0.0	75	104397	5.54	
133 1,3,5-Trinitrobenzene	213		9.182					9
228 Diallate Peak 1	86		9.214					
135 Phenacetin	108		9.219					9
136 Phorate	121		9.225					
230 Diallate Peak 2	86		9.294					
137 4-Bromophenyl phenyl ether	248	9.294	9.299	-0.005	72	282915	5.20	
139 Hexachlorobenzene	284	9.358	9.358	0.0	87	278751	5.15	
138 Dimethoate	87		9.369					9
140 Atrazine	200	9.406	9.412	-0.006	87	197624	5.52	
127 4-Aminobiphenyl	169		9.514					9
141 Pentachlorophenol	266	9.519	9.519	0.0	83	289864	9.35	
143 Pentachloronitrobenzene	237		9.530					9
142 Pronamide	173		9.546					
145 Dinoseb	211		9.653					
144 Disulfoton	88		9.658					9
146 Phenanthrene	178	9.706	9.711	-0.005	97	1283082	5.09	
147 Anthracene	178	9.749	9.754	-0.005	98	1329384	5.28	
148 DFTPP								
149 Carbazole	167	9.877	9.877	0.0	82	1240511	5.15	
150 Methyl parathion	109		9.979					9
151 Di-n-butyl phthalate	149	10.134	10.134	0.0	100	1478749	5.43	
152 Diphenylsulfone	125		10.175					
153 Ethyl Parathion	97		10.300					9
154 4-Nitroquinoline-1-oxide	190		10.353					
155 Methapyrilene	58		10.396					9
156 Isodrin	66		10.583					9
157 Fluoranthene	202	10.711	10.711	0.0	98	1402810	5.07	
158 Benzidine	184	10.802	10.808	-0.006	99	440054	4.42	
160 Pyrene	202	10.909	10.915	-0.006	95	1482576	5.52	
164 4,4'-DDE	246		10.973					
226 Aramite Peak 1	185		10.984					
229 Aramite Peak 2	185		11.054					
161 p-Dimethylamino azobenzene	225		11.156					
162 Chlorobenzilate	139		11.188					
163 4,4'-DDD	235		11.332					
165 Famphur	218		11.439					
166 Butyl benzyl phthalate	149	11.487	11.487	0.0	97	629887	5.78	
167 3,3'-Dimethylbenzidine	212		11.492					
168 4,4'-DDT	235		11.610					9
169 2-Acetylaminofluorene	181		11.771					
170 3,3'-Dimethoxybenzidine	244	12.075	12.081	-0.006	84	248677	4.82	
173 3,3'-Dichlorobenzidine	252	12.118	12.118	0.0	65	447547	5.07	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	12.118	12.118	0.0	66	206197	4.73	
171 Bis(2-ethylhexyl) phthalate	149	12.134	12.140	-0.006	97	849403	5.37	
175 Benzo[a]anthracene	228	12.166	12.166	0.0	95	1248755	5.20	
176 Chrysene	228	12.209	12.214	-0.005	94	1186094	5.22	
174 Hexabromobenzene	232		12.239					
177 6-Methylchrysene	242		12.839					
178 Di-n-octyl phthalate	149	13.017	13.017	0.0	99	1284341	6.61	
179 7,12-Dimethylbenz(a)anthracene	256		13.611					9
180 Benzo[b]fluoranthene	252	13.626	13.632	-0.006	95	1012881	5.95	
181 Benzo[k]fluoranthene	252	13.669	13.669	0.0	86	1048675	5.75	
182 Benzo[a]pyrene	252	14.113	14.119	-0.006	75	853608	5.34	
183 3-Methylcholanthrene	268		14.637					
184 Dibenz[a,j]acridine	279		15.524					
185 Dibenz[a,h]acridine	279		15.593					
186 Indeno[1,2,3-cd]pyrene	276	15.809	15.814	-0.005	88	619581	3.65	
187 Dibenz(a,h)anthracene	278	15.835	15.841	-0.006	75	506030	3.50	
188 Benzo[g,h,i]perylene	276	16.226	16.231	-0.005	93	461568	3.11	
S 189 Methyl Phenols,Total	100				0		5.24	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 231 2,3,7,8-TCDD	1		0.000					1
T 193 Hydroquinone TIC	110	7.251	0.0	7.251	90	125243	0	
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.058	3.050	0.008	1	161	0	
T 194 Octadecane (TIC)	254	15.424	6.300	9.124	83	23865	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

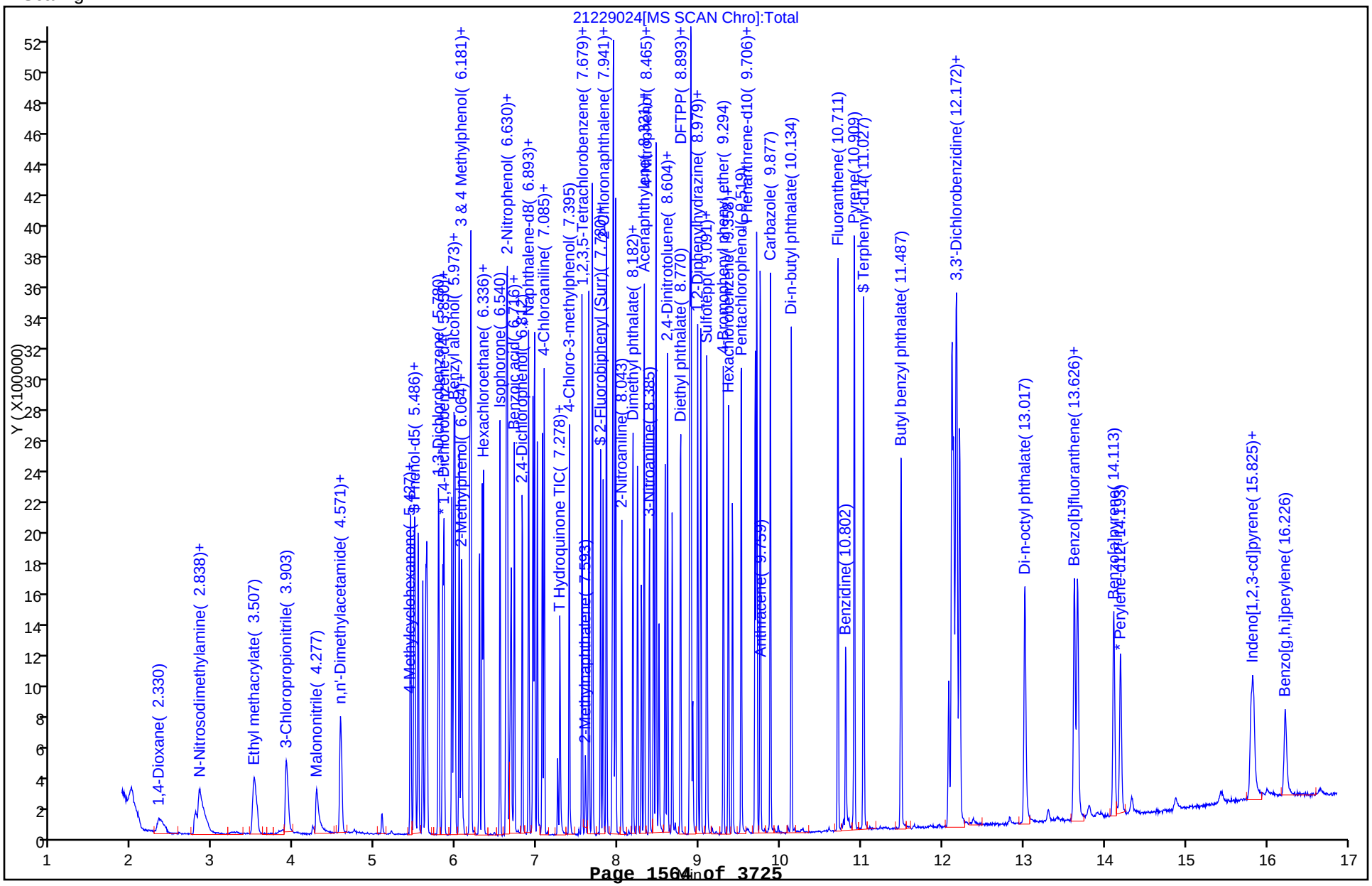
Report Date: 31-Dec-2012 12:46:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229024.D

Injection Date:	29-Dec-2012 21:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	24
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MS | Lab Sample ID: 240-18581-1 MS

Matrix: Solid | Lab File ID: 21229021.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.57(g) | Date Analyzed: 12/29/2012 20:00

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	772	D	68	33	33
208-96-8	Acenaphthylene	524	D	68	33	33
120-12-7	Anthracene	513	D	68	33	33
56-55-3	Benzo[a]anthracene	644	D	68	33	33
50-32-8	Benzo[a]pyrene	468	D	68	33	33
205-99-2	Benzo[b]fluoranthene	549	D	68	33	33
191-24-2	Benzo[g,h,i]perylene	336	D	68	33	33
65-85-0	Benzoic acid	3400	U	6700	3400	3400
207-08-9	Benzo[k]fluoranthene	499	D	68	33	33
100-51-6	Benzyl alcohol	428	J D	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	331	J D	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	301	J D	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	350	J D	1000	270	96
117-81-7	Bis(2-ethylhexyl) phthalate	673	D	510	270	190
101-55-3	4-Bromophenyl phenyl ether	423	J D	510	270	130
85-68-7	Butyl benzyl phthalate	557	D	510	270	100
86-74-8	Carbazole	468	J D	510	270	270
106-47-8	4-Chloroaniline	270	U J	1500	270	170
59-50-7	4-Chloro-3-methylphenol	454	J D	1500	270	210
91-58-7	2-Chloronaphthalene	375	J D	510	33	33
95-57-8	2-Chlorophenol	429	J D	510	270	270
7005-72-3	4-Chlorophenyl phenyl ether	404	J D	510	270	130
218-01-9	Chrysene	741	D	68	33	11
53-70-3	Dibenz(a,h)anthracene	305	D	68	33	33
132-64-9	Dibenzofuran	662	D	510	33	33
95-50-1	1,2-Dichlorobenzene	303	J D	510	270	98
541-73-1	1,3-Dichlorobenzene	299	J D	510	270	110
106-46-7	1,4-Dichlorobenzene	360	J D	510	270	200
91-94-1	3,3'-Dichlorobenzidine	810	U J	1000	810	180
120-83-2	2,4-Dichlorophenol	449	J D	1500	270	200
84-66-2	Diethyl phthalate	513	D	510	270	160
105-67-9	2,4-Dimethylphenol	443	J D	1500	810	200
131-11-3	Dimethyl phthalate	504	J D	510	270	170
84-74-2	Di-n-butyl phthalate	533	D	510	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MS | Lab Sample ID: 240-18581-1 MS

Matrix: Solid | Lab File ID: 21229021.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.57(g) | Date Analyzed: 12/29/2012 20:00

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	810	U	1500	810	810
51-28-5	2,4-Dinitrophenol	810	U	3300	810	810
121-14-2	2,4-Dinitrotoluene	571	J D	2000	270	270
606-20-2	2,6-Dinitrotoluene	532	J D	2000	270	210
117-84-0	Di-n-octyl phthalate	763	D	510	270	270
206-44-0	Fluoranthene	643	D	68	33	33
86-73-7	Fluorene	1080	D	68	33	33
118-74-1	Hexachlorobenzene	403	D	68	33	21
87-68-3	Hexachlorobutadiene	338	J D	510	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	330	J D	510	270	91
193-39-5	Indeno[1,2,3-cd]pyrene	295	D	68	33	33
78-59-1	Isophorone	434	J D	510	270	130
91-57-6	2-Methylnaphthalene	1090	D	68	33	33
95-48-7	2-Methylphenol	810	U	2000	810	810
15831-10-4	3 & 4 Methylphenol	896	J D	4100	810	200
91-20-3	Naphthalene	457	D	68	33	33
88-74-4	2-Nitroaniline	485	J D	2000	270	92
99-09-2	3-Nitroaniline	245	J D	2000	810	160
100-01-6	4-Nitroaniline	376	J D	2000	270	260
98-95-3	Nitrobenzene	338	J D	1000	33	22
88-75-5	2-Nitrophenol	382	J D	510	270	270
100-02-7	4-Nitrophenol	810	U	3300	810	810
621-64-7	N-Nitrosodi-n-propylamine	397	J D	510	270	270
86-30-6	N-Nitrosodiphenylamine	1450	J D	510	270	210
87-86-5	Pentachlorophenol	810	U	1500	810	810
85-01-8	Phenanthrene	1530	D	68	33	33
108-95-2	Phenol	446	J D	510	270	270
129-00-0	Pyrene	1530	D	68	33	33
120-82-1	1,2,4-Trichlorobenzene	332	J D	510	270	270
95-95-4	2,4,5-Trichlorophenol	491	J D	1500	270	250
88-06-2	2,4,6-Trichlorophenol	810	U	1500	810	810

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MS | Lab Sample ID: 240-18581-1 MS

Matrix: Solid | Lab File ID: 21229021.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.57(g) | Date Analyzed: 12/29/2012 20:00

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	53		45-105
367-12-4	2-Fluorophenol (Surr)	64		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	46		35-100
4165-62-2	Phenol-d5 (Surr)	64		40-100
1718-51-0	Terphenyl-d14 (Surr)	67		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	67		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229021.D
Lims ID: 240-18581-M-1-L MS
Client ID: 070SB-0042M-0002-SO
Inject. Date: 29-Dec-2012 20:00:30
Dil. Factor: 10.0000
Sample Type: MS
Sample ID: 240-0016274-021
Misc. Info.: 240-18581-M-1-L MS
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 21
Lims Batch ID: 70582
Lims Sample ID: 21
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:46:14
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj
Date: 31-Dec-2012 12:39:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.833	5.834	-0.001	97	265817	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	1077521	4.00	
* 3 Acenaphthene-d10	164	8.438	8.438	0.0	90	666599	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	96	1066897	4.00	
* 5 Chrysene-d12	240	12.182	12.177	0.005	97	1050477	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	91	696475	4.00	
$ 7 2-Fluorophenol	112	4.593	4.577	0.015	92	78005	0.9565	
$ 8 Phenol-d5	99	5.480	5.480	0.0	97	104248	0.9602	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	94	55123	0.4644	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	93	125969	0.5273	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	65	22672	1.01	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	86	145056	0.6749	
41 Phenol	94	5.496	5.491	0.005	96	75050	0.6598	
44 Bis(2-chloroethyl)ether	93	5.587	5.587	0.0	85	49136	0.4452	
46 2-Chlorophenol	128	5.641	5.641	0.0	91	57037	0.6349	
47 1,3-Dichlorobenzene	146	5.785	5.780	0.005	94	51587	0.4425	
48 1,4-Dichlorobenzene	146	5.849	5.850	-0.001	89	51526	0.5324	
49 Benzyl alcohol	108	5.946	5.946	0.0	88	35459	0.6329	
50 1,2-Dichlorobenzene	146	5.983	5.983	0.0	84	49956	0.4475	
51 2-Methylphenol	108	6.037	6.037	0.0	93	54114	0.6627	
52 2,2'-oxybis[1-chloropropane]	45	6.069	6.063	0.006	89	81347	0.5170	
191 3 & 4 Methylphenol	108	6.170	6.165	0.005	92	116203	1.33	
56 N-Nitrosodi-n-propylamine	70	6.176	6.176	0.0	86	38505	0.5871	
60 Hexachloroethane	117	6.288	6.288	0.0	89	22372	0.4881	
61 Nitrobenzene	77	6.336	6.336	0.0	86	61417	0.5001	
63 Isophorone	82	6.539	6.540	-0.001	95	114779	0.6422	
65 2-Nitrophenol	139	6.614	6.614	0.0	92	24912	0.5648	
64 2,4-Dimethylphenol	107	6.636	6.630	0.006	90	60030	0.6551	
69 Benzoic acid	122		6.689					9
68 Bis(2-chloroethoxy)methane	93	6.716	6.716	0.0	91	65659	0.4897	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.818	6.818	0.0	92	47465	0.6636	
72 1,2,4-Trichlorobenzene	180	6.892	6.893	-0.001	82	47063	0.4908	
73 Naphthalene	128	6.967	6.967	0.0	94	177812	0.6752	
74 4-Chloroaniline	127	7.005	7.000	0.005	79	27716	0.2495	
77 Hexachlorobutadiene	225	7.064	7.064	0.0	90	25985	0.4993	
84 4-Chloro-3-methylphenol	107	7.395	7.395	0.0	90	51380	0.6715	
85 2-Methylnaphthalene	142	7.550	7.556	-0.006	89	279150	1.62	
88 Hexachlorocyclopentadiene	237	7.684	7.684	0.0	13	5379	0.0955	
90 2,4,6-Trichlorophenol	196	7.780	7.780	0.0	89	39772	0.7583	
91 2,4,5-Trichlorophenol	196	7.812	7.812	0.0	89	41609	0.7264	
98 2-Chloronaphthalene	162	7.968	7.968	0.0	93	115375	0.5538	
100 2-Nitroaniline	65	8.042	8.042	0.0	46	42318	0.7177	
103 Dimethyl phthalate	163	8.181	8.182	-0.001	89	142557	0.7446	
105 2,6-Dinitrotoluene	165	8.240	8.240	0.0	61	28741	0.7863	
107 Acenaphthylene	152	8.321	8.321	-0.001	96	212053	0.7743	
108 3-Nitroaniline	138	8.385	8.385	0.0	83	17093	0.3625	
110 Acenaphthene	153	8.465	8.465	0.0	94	194758	1.14	
109 2,4-Dinitrophenol	184		8.470					9
111 4-Nitrophenol	109	8.508	8.502	0.006	33	13534	0.6623	
112 2,4-Dinitrotoluene	165	8.577	8.577	0.0	75	41152	0.8442	
114 Dibenzofuran	168	8.609	8.609	0.0	86	246159	0.9781	
119 Diethyl phthalate	149	8.764	8.770	-0.006	92	144869	0.7578	
121 4-Chlorophenyl phenyl ether	204	8.882	8.882	0.0	68	66701	0.5967	
123 4-Nitroaniline	138	8.898	8.898	0.0	39	25982	0.5562	
124 Fluorene	166	8.898	8.898	0.0	89	319113	1.59	
126 4,6-Dinitro-2-methylphenol	198		8.920					9
130 N-Nitrosodiphenylamine	169	8.978	8.978	0.0	0	309261	2.14	
137 4-Bromophenyl phenyl ether	248	9.299	9.299	0.0	60	38730	0.6261	
139 Hexachlorobenzene	284	9.358	9.358	0.0	77	36650	0.5952	
141 Pentachlorophenol	266	9.519	9.519	0.0	46	14744	0.4183	
146 Phenanthrene	178	9.711	9.711	0.0	94	646274	2.26	
147 Anthracene	178	9.754	9.754	0.0	89	216999	0.7590	
149 Carbazole	167	9.877	9.877	0.0	78	189717	0.6926	
151 Di-n-butyl phthalate	149	10.134	10.134	0.0	97	243958	0.7879	
157 Fluoranthene	202	10.711	10.711	0.0	98	298619	0.9500	
160 Pyrene	202	10.915	10.915	0.0	96	688657	2.27	
166 Butyl benzyl phthalate	149	11.492	11.487	0.005	88	101544	0.8232	
173 3,3'-Dichlorobenzidine	252	12.118	12.118	0.0	25	16624	0.1665	
171 Bis(2-ethylhexyl) phthalate	149	12.139	12.140	-0.001	94	153475	1.00	
175 Benzo[a]anthracene	228	12.166	12.166	0.0	91	258503	0.9519	
176 Chrysene	228	12.214	12.214	0.0	88	282031	1.10	
178 Di-n-octyl phthalate	149	13.017	13.017	0.0	93	205520	1.13	
180 Benzo[b]fluoranthene	252	13.626	13.632	-0.006	94	168923	0.8122	
181 Benzo[k]fluoranthene	252	13.664	13.669	-0.005	84	164464	0.7372	
182 Benzo[a]pyrene	252	14.113	14.119	-0.006	74	135421	0.6927	
186 Indeno[1,2,3-cd]pyrene	276	15.809	15.814	-0.005	95	90633	0.4369	
187 Dibenz(a,h)anthracene	278	15.835	15.841	-0.006	67	79542	0.4505	
188 Benzo[g,h,i]perylene	276	16.226	16.231	-0.005	90	90213	0.4965	

QC Flag Legend

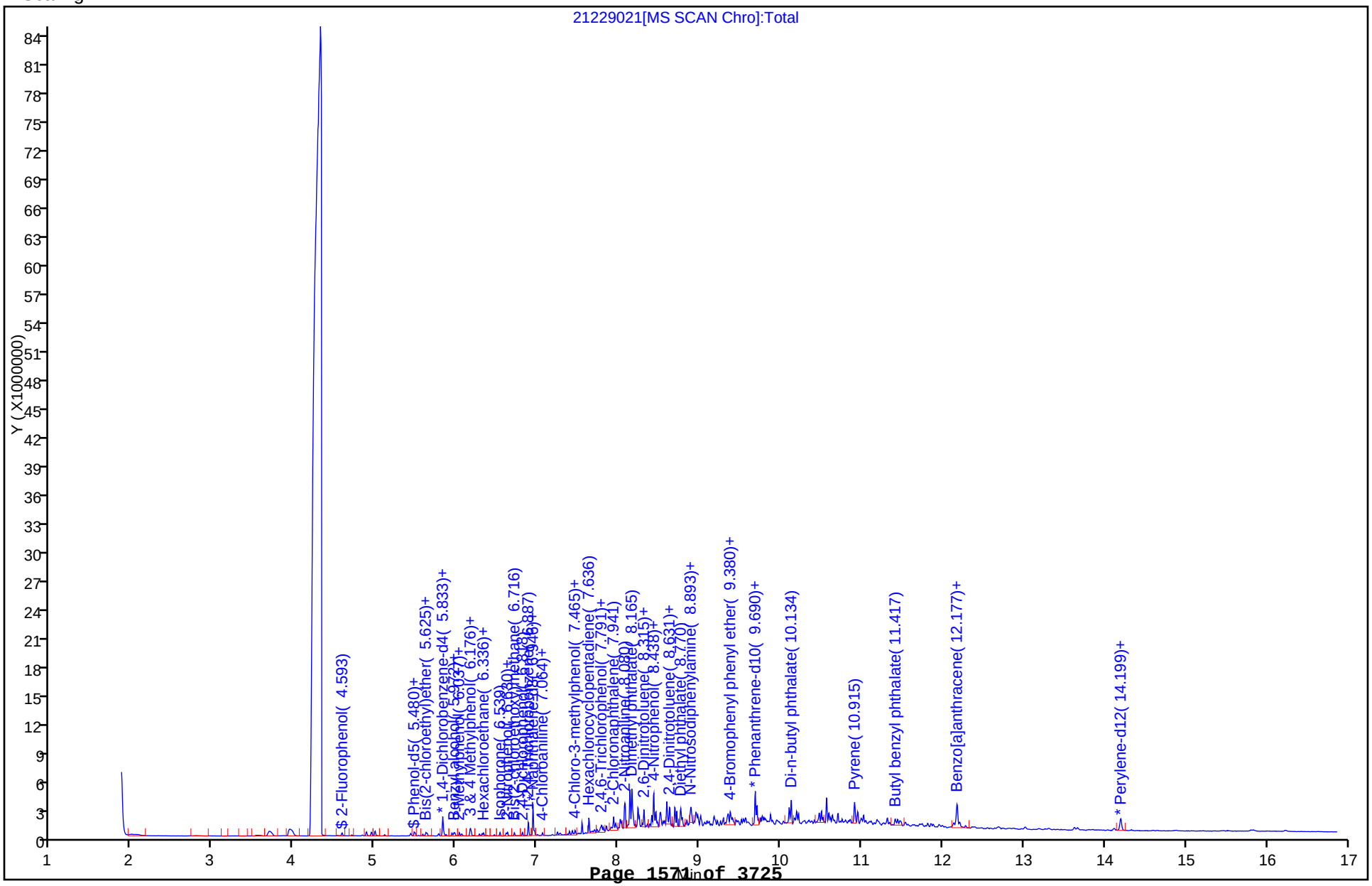
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:46:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229021.D		
Injection Date:	29-Dec-2012 20:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MS | Lab Sample ID: 240-18581-3 MS

Matrix: Solid | Lab File ID: 21229016.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:15

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.87(g) | Date Analyzed: 12/29/2012 18:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	393	D	67	33	33
208-96-8	Acenaphthylene	365	D	67	33	33
120-12-7	Anthracene	400	D	67	33	33
56-55-3	Benzo[a]anthracene	403	D	67	33	33
50-32-8	Benzo[a]pyrene	344	D	67	33	33
205-99-2	Benzo[b]fluoranthene	375	D	67	33	33
191-24-2	Benzo[g,h,i]perylene	240	J D	67	33	33
65-85-0	Benzoic acid	3300	U	6600	3300	3300
207-08-9	Benzo[k]fluoranthene	412	D	67	33	33
100-51-6	Benzyl alcohol	387	J D	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	280	J D	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	292	J D	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	317	J D	1000	270	95
117-81-7	Bis(2-ethylhexyl) phthalate	528	D	500	270	190
101-55-3	4-Bromophenyl phenyl ether	319	J D	500	270	130
85-68-7	Butyl benzyl phthalate	427	J D	500	270	100
86-74-8	Carbazole	370	J D	500	270	270
106-47-8	4-Chloroaniline	196	J D	1500	270	170
59-50-7	4-Chloro-3-methylphenol	362	J D	1500	270	210
91-58-7	2-Chloronaphthalene	313	J D	500	33	33
95-57-8	2-Chlorophenol	368	J D	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	326	J D	500	270	130
218-01-9	Chrysene	435	D	67	33	11
53-70-3	Dibenz(a,h)anthracene	252	J D	67	33	33
132-64-9	Dibenzofuran	391	J D	500	33	33
95-50-1	1,2-Dichlorobenzene	286	J D	500	270	97
541-73-1	1,3-Dichlorobenzene	285	J D	500	270	110
106-46-7	1,4-Dichlorobenzene	359	J D	500	270	200
91-94-1	3,3'-Dichlorobenzidine	800	U J	1000	800	180
120-83-2	2,4-Dichlorophenol	379	J D	1500	270	200
84-66-2	Diethyl phthalate	412	J D	500	270	160
105-67-9	2,4-Dimethylphenol	333	J D	1500	800	200
131-11-3	Dimethyl phthalate	406	J D	500	270	170
84-74-2	Di-n-butyl phthalate	422	J D	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MS | Lab Sample ID: 240-18581-3 MS

Matrix: Solid | Lab File ID: 21229016.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:15

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.87(g) | Date Analyzed: 12/29/2012 18:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	800	U	1500	800	800
51-28-5	2,4-Dinitrophenol	876	J D	3300	800	800
121-14-2	2,4-Dinitrotoluene	439	J D	2000	270	270
606-20-2	2,6-Dinitrotoluene	462	J D	2000	270	210
117-84-0	Di-n-octyl phthalate	586	D	500	270	270
206-44-0	Fluoranthene	398	D	67	33	33
86-73-7	Fluorene	383	D	67	33	33
118-74-1	Hexachlorobenzene	352	D	67	33	21
87-68-3	Hexachlorobutadiene	295	J D	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	287	J D	500	270	90
193-39-5	Indeno[1,2,3-cd]pyrene	243	J D	67	33	33
78-59-1	Isophorone	383	J D	500	270	130
91-57-6	2-Methylnaphthalene	384	D	67	33	33
95-48-7	2-Methylphenol	800	U	2000	800	800
15831-10-4	3 & 4 Methylphenol	722	J D	4000	800	200
91-20-3	Naphthalene	389	D	67	33	33
88-74-4	2-Nitroaniline	360	J D	2000	270	91
99-09-2	3-Nitroaniline	298	J D	2000	800	160
100-01-6	4-Nitroaniline	303	J D	2000	270	260
98-95-3	Nitrobenzene	292	J D	1000	33	22
88-75-5	2-Nitrophenol	363	J D	500	270	270
100-02-7	4-Nitrophenol	800	U	3300	800	800
621-64-7	N-Nitrosodi-n-propylamine	369	J D	500	270	270
86-30-6	N-Nitrosodiphenylamine	439	J D	500	270	210
87-86-5	Pentachlorophenol	800	U	1500	800	800
85-01-8	Phenanthrene	408	D	67	33	33
108-95-2	Phenol	385	J D	500	270	270
129-00-0	Pyrene	424	D	67	33	33
120-82-1	1,2,4-Trichlorobenzene	296	J D	500	270	270
95-95-4	2,4,5-Trichlorophenol	384	J D	1500	270	250
88-06-2	2,4,6-Trichlorophenol	800	U	1500	800	800

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MS | Lab Sample ID: 240-18581-3 MS

Matrix: Solid | Lab File ID: 21229016.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:15

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.87(g) | Date Analyzed: 12/29/2012 18:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	44	Q	45-105
367-12-4	2-Fluorophenol (Surr)	58		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	46		35-100
4165-62-2	Phenol-d5 (Surr)	57		40-100
1718-51-0	Terphenyl-d14 (Surr)	59		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	55		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229016.D
Lims ID: 240-18581-L-3-J MS
Client ID: 070SB-044M-0002-SO
Inject. Date: 29-Dec-2012 18:03:30
Dil. Factor: 10.0000
Sample Type: MS
Sample ID: 240-0016274-016
Misc. Info.: 240-18581-L-3-J MS
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 16
Lims Batch ID: 70582
Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:46:14
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj
Date: 31-Dec-2012 12:34:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.834	0.0	97	276054	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	1103504	4.00	
* 3 Acenaphthene-d10	164	8.438	8.438	0.0	92	673748	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	1090655	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	97	1052241	4.00	
* 6 Perylene-d12	264	14.194	14.199	-0.005	96	739340	4.00	
$ 7 2-Fluorophenol	112	4.587	4.577	0.010	90	73081	0.8629	
$ 8 Phenol-d5	99	5.481	5.480	0.001	95	96796	0.8585	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	87	55456	0.4562	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	94	107182	0.4439	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	78	18706	0.8257	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	95	126604	0.5881	
41 Phenol	94	5.497	5.491	0.006	97	67936	0.5751	
44 Bis(2-chloroethyl)ether	93	5.588	5.587	0.001	90	50062	0.4368	
46 2-Chlorophenol	128	5.641	5.641	0.0	95	51290	0.5497	
47 1,3-Dichlorobenzene	146	5.780	5.780	0.0	93	51495	0.4254	
48 1,4-Dichlorobenzene	146	5.850	5.850	0.0	84	53958	0.5368	
49 Benzyl alcohol	108	5.946	5.946	0.0	85	33669	0.5787	
50 1,2-Dichlorobenzene	146	5.983	5.983	0.0	91	49546	0.4273	
51 2-Methylphenol	108	6.037	6.037	0.0	94	47645	0.5619	
52 2,2'-oxybis[1-chloropropane]	45	6.064	6.063	0.001	86	77381	0.4736	
191 3 & 4 Methylphenol	108	6.171	6.165	0.006	94	98249	1.08	
56 N-Nitrosodi-n-propylamine	70	6.176	6.176	0.0	89	37518	0.5508	
60 Hexachloroethane	117	6.288	6.288	0.0	89	20425	0.4291	
61 Nitrobenzene	77	6.336	6.336	0.0	91	54881	0.4364	
63 Isophorone	82	6.540	6.540	0.0	95	104622	0.5716	
65 2-Nitrophenol	139	6.615	6.614	0.001	84	24460	0.5415	
64 2,4-Dimethylphenol	107	6.631	6.630	0.001	90	46723	0.4978	
69 Benzoic acid	122		6.689					
68 Bis(2-chloroethoxy)methane	93	6.716	6.716	0.0	90	57418	0.4181	

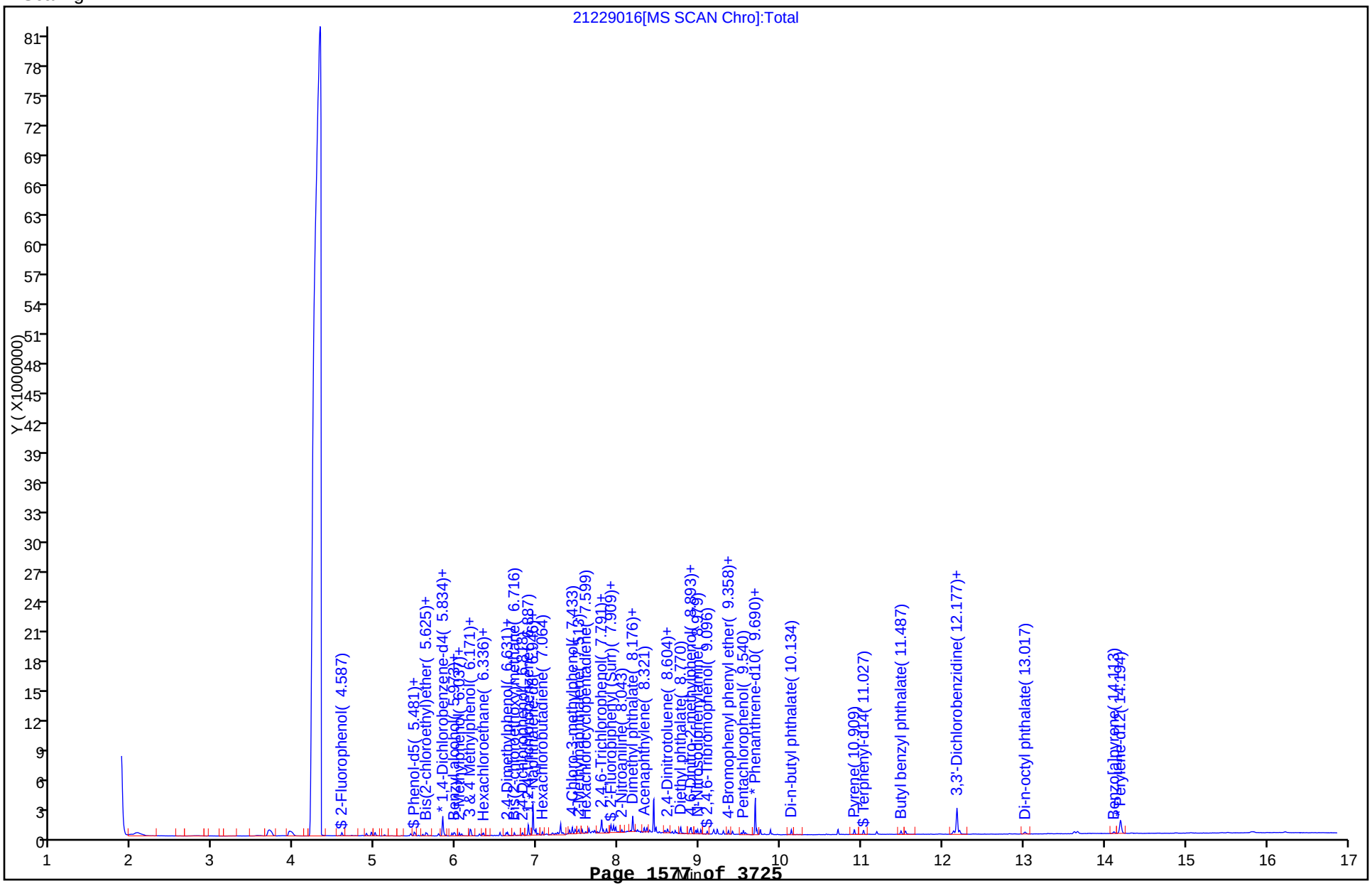
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.818	6.818	0.0	95	41443	0.5658	
72 1,2,4-Trichlorobenzene	180	6.893	6.893	0.0	81	43466	0.4426	
73 Naphthalene	128	6.968	6.967	0.001	93	156515	0.5804	
74 4-Chloroaniline	127	7.005	7.000	0.005	68	33323	0.2929	
77 Hexachlorobutadiene	225	7.064	7.064	0.0	87	23447	0.4399	
84 4-Chloro-3-methylphenol	107	7.395	7.395	0.0	91	42314	0.5400	
85 2-Methylnaphthalene	142	7.551	7.556	-0.005	87	101348	0.5728	
88 Hexachlorocyclopentadiene	237	7.684	7.684	0.0	34	6324	0.1111	
90 2,4,6-Trichlorophenol	196	7.781	7.780	0.001	85	33179	0.6259	
91 2,4,5-Trichlorophenol	196	7.813	7.812	0.001	92	33203	0.5735	
98 2-Chloronaphthalene	162	7.968	7.968	0.0	94	98278	0.4667	
100 2-Nitroaniline	65	8.043	8.042	0.001	57	32084	0.5384	
103 Dimethyl phthalate	163	8.182	8.182	0.0	92	117348	0.6064	
105 2,6-Dinitrotoluene	165	8.235	8.240	-0.005	75	24346	0.6895	
107 Acenaphthylene	152	8.321	8.321	0.0	90	150963	0.5454	
108 3-Nitroaniline	138	8.385	8.385	0.0	83	21204	0.4449	
110 Acenaphthene	153	8.465	8.465	0.0	88	101323	0.5876	
109 2,4-Dinitrophenol	184	8.471	8.470	0.001	12	2344	1.31	
111 4-Nitrophenol	109	8.508	8.502	0.006	85	11047	0.5682	
112 2,4-Dinitrotoluene	165	8.577	8.577	0.0	83	28862	0.6554	
114 Dibenzofuran	168	8.610	8.609	0.001	85	148474	0.5837	
119 Diethyl phthalate	149	8.770	8.770	0.0	96	118861	0.6152	
121 4-Chlorophenyl phenyl ether	204	8.882	8.882	0.0	94	54986	0.4866	
123 4-Nitroaniline	138	8.898	8.898	0.0	48	21356	0.4524	
124 Fluorene	166	8.898	8.898	0.0	92	116028	0.5720	
126 4,6-Dinitro-2-methylphenol	198	8.920	8.920	0.0	1	4779	0.8634	
130 N-Nitrosodiphenylamine	169	8.979	8.978	0.001	0	96955	0.6562	
137 4-Bromophenyl phenyl ether	248	9.294	9.299	-0.005	71	30126	0.4764	
139 Hexachlorobenzene	284	9.358	9.358	0.0	84	33119	0.5262	
141 Pentachlorophenol	266	9.519	9.519	0.0	75	14966	0.4154	
146 Phenanthrene	178	9.706	9.711	-0.005	97	178322	0.6090	
147 Anthracene	178	9.754	9.754	0.0	96	174770	0.5979	
149 Carbazole	167	9.877	9.877	0.0	80	154902	0.5532	
151 Di-n-butyl phthalate	149	10.134	10.134	0.0	99	199614	0.6306	
157 Fluoranthene	202	10.712	10.711	0.001	97	191086	0.5946	
160 Pyrene	202	10.915	10.915	0.0	97	193010	0.6339	
166 Butyl benzyl phthalate	149	11.487	11.487	0.0	95	78721	0.6371	
173 3,3'-Dichlorobenzidine	252	12.118	12.118	0.0	52	14244	0.1425	
171 Bis(2-ethylhexyl) phthalate	149	12.134	12.140	-0.006	94	116605	0.7887	
175 Benzo[a]anthracene	228	12.166	12.166	0.0	91	163581	0.6013	
176 Chrysene	228	12.209	12.214	-0.005	92	167524	0.6501	
178 Di-n-octyl phthalate	149	13.017	13.017	0.0	94	153911	0.8752	
180 Benzo[b]fluoranthene	252	13.627	13.632	-0.005	95	123572	0.5597	
181 Benzo[k]fluoranthene	252	13.664	13.669	-0.005	91	145684	0.6152	
182 Benzo[a]pyrene	252	14.113	14.119	-0.006	67	106489	0.5131	
186 Indeno[1,2,3-cd]pyrene	276	15.809	15.814	-0.005	89	79872	0.3627	
187 Dibenz(a,h)anthracene	278	15.836	15.841	-0.005	59	70525	0.3762	
188 Benzo[g,h,i]perylene	276	16.226	16.231	-0.005	88	69251	0.3590	

Report Date: 31-Dec-2012 12:46:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229016.D		
Injection Date:	29-Dec-2012 18:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-044M-0002-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0052M-0001-SO MS | Lab Sample ID: 240-18581-21 MS

Matrix: Solid | Lab File ID: 21226009.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:00

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.23(g) | Date Analyzed: 12/26/2012 11:58

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	389	D	66	33	33
208-96-8	Acenaphthylene	385	D	66	33	33
120-12-7	Anthracene	394	D	66	33	33
56-55-3	Benzo[a]anthracene	412	D	66	33	33
50-32-8	Benzo[a]pyrene	303	J D	66	33	33
205-99-2	Benzo[b]fluoranthene	375	D	66	33	33
191-24-2	Benzo[g,h,i]perylene	393	D	66	33	33
65-85-0	Benzoic acid	3300	U	6500	3300	3300
207-08-9	Benzo[k]fluoranthene	345	D	66	33	33
100-51-6	Benzyl alcohol	326	J D	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	335	J D	990	270	220
111-44-4	Bis(2-chloroethyl)ether	326	J D	990	33	20
108-60-1	bis (2-chloroisopropyl) ether	314	J D	990	270	94
117-81-7	Bis(2-ethylhexyl) phthalate	368	J D	500	270	190
101-55-3	4-Bromophenyl phenyl ether	379	J D	500	270	130
85-68-7	Butyl benzyl phthalate	336	J D	500	270	99
86-74-8	Carbazole	385	J D	500	270	270
106-47-8	4-Chloroaniline	280	J D	1500	270	170
59-50-7	4-Chloro-3-methylphenol	370	J D	1500	270	210
91-58-7	2-Chloronaphthalene	347	J D	500	33	33
95-57-8	2-Chlorophenol	400	J D	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	339	J D	500	270	130
218-01-9	Chrysene	451	D	66	33	11
53-70-3	Dibenz(a,h)anthracene	326	D	66	33	33
132-64-9	Dibenzofuran	394	J D	500	33	33
95-50-1	1,2-Dichlorobenzene	299	J D	500	270	96
541-73-1	1,3-Dichlorobenzene	302	J D	500	270	110
106-46-7	1,4-Dichlorobenzene	358	J D	500	270	200
91-94-1	3,3'-Dichlorobenzidine	790	U J	990	790	180
120-83-2	2,4-Dichlorophenol	385	J D	1500	270	200
84-66-2	Diethyl phthalate	411	J D	500	270	160
105-67-9	2,4-Dimethylphenol	302	J D	1500	790	200
131-11-3	Dimethyl phthalate	418	J D	500	270	170
84-74-2	Di-n-butyl phthalate	366	J D	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0052M-0001-SO MS | Lab Sample ID: 240-18581-21 MS

Matrix: Solid | Lab File ID: 21226009.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:00

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.23(g) | Date Analyzed: 12/26/2012 11:58

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	790	U	1500	790	790
51-28-5	2,4-Dinitrophenol	821	J D	3300	790	790
121-14-2	2,4-Dinitrotoluene	405	J D	2000	270	270
606-20-2	2,6-Dinitrotoluene	429	J D	2000	270	210
117-84-0	Di-n-octyl phthalate	379	J D	500	270	270
206-44-0	Fluoranthene	415	D	66	33	33
86-73-7	Fluorene	420	D	66	33	33
118-74-1	Hexachlorobenzene	376	D	66	33	21
87-68-3	Hexachlorobutadiene	326	J D	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	312	J D	500	270	89
193-39-5	Indeno[1,2,3-cd]pyrene	351	D	66	33	33
78-59-1	Isophorone	389	J D	500	270	130
91-57-6	2-Methylnaphthalene	409	D	66	33	33
95-48-7	2-Methylphenol	790	U	2000	790	790
15831-10-4	3 & 4 Methylphenol	745	J D	4000	790	200
91-20-3	Naphthalene	390	D	66	33	33
88-74-4	2-Nitroaniline	302	J D	2000	270	90
99-09-2	3-Nitroaniline	310	J D	2000	790	160
100-01-6	4-Nitroaniline	272	J D	2000	270	260
98-95-3	Nitrobenzene	305	J D	990	33	22
88-75-5	2-Nitrophenol	338	J D	500	270	270
100-02-7	4-Nitrophenol	790	U	3300	790	790
621-64-7	N-Nitrosodi-n-propylamine	358	J D	500	270	270
86-30-6	N-Nitrosodiphenylamine	392	J D	500	270	210
87-86-5	Pentachlorophenol	790	U	1500	790	790
85-01-8	Phenanthrene	448	D	66	33	33
108-95-2	Phenol	393	J D	500	270	270
129-00-0	Pyrene	406	D	66	33	33
120-82-1	1,2,4-Trichlorobenzene	342	J D	500	270	270
95-95-4	2,4,5-Trichlorophenol	355	J D	1500	270	250
88-06-2	2,4,6-Trichlorophenol	790	U	1500	790	790

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0052M-0001-SO MS | Lab Sample ID: 240-18581-21 MS

Matrix: Solid | Lab File ID: 21226009.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:00

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 30.23(g) | Date Analyzed: 12/26/2012 11:58

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	50		45-105
367-12-4	2-Fluorophenol (Surr)	59		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	46		35-100
4165-62-2	Phenol-d5 (Surr)	57		40-100
1718-51-0	Terphenyl-d14 (Surr)	57		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	46		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226009.D
Lims ID: 240-18581-B-21-D MS
Client ID:
Inject. Date: 26-Dec-2012 11:58:30
Dil. Factor: 10.0000
Sample Type: MS
Sample ID: 240-0016171-009
Misc. Info.: 240-18581-B-21-D MS
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 9
Lims Batch ID: 70078
Lims Sample ID: 9
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\8270_hp7.m
Last Update: 27-Dec-2012 09:55:09
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: gruberj
Date: 26-Dec-2012 13:10:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.860	5.861	-0.001	96	261321	4.00	
* 2 Naphthalene-d8	136	6.978	6.979	-0.001	100	1000326	4.00	
* 3 Acenaphthene-d10	164	8.471	8.471	-0.001	92	601960	4.00	
* 4 Phenanthrene-d10	188	9.722	9.722	0.0	98	955892	4.00	
* 5 Chrysene-d12	240	12.236	12.236	0.0	98	989510	4.00	
* 6 Perylene-d12	264	14.274	14.274	0.0	96	762824	4.00	
$ 7 2-Fluorophenol	112	4.609	4.598	0.011	93	70975	0.8853	
$ 8 Phenol-d5	99	5.502	5.502	0.0	94	91563	0.8579	
$ 9 Nitrobenzene-d5	82	6.347	6.347	0.0	91	50206	0.4556	
$ 10 2-Fluorobiphenyl (Surr)	172	7.882	7.882	0.0	97	108216	0.5017	
$ 11 2,4,6-Tribromophenol	330	9.134	9.129	0.005	85	14084	0.6959	
$ 12 Terphenyl-d14	244	11.065	11.070	-0.005	97	115058	0.5683	
41 Phenol	94	5.518	5.513	0.005	98	66445	0.5942	
44 Bis(2-chloroethyl)ether	93	5.614	5.615	-0.001	95	53462	0.4928	
46 2-Chlorophenol	128	5.668	5.668	0.0	91	53416	0.6048	
47 1,3-Dichlorobenzene	146	5.807	5.813	-0.006	92	52329	0.4566	
48 1,4-Dichlorobenzene	146	5.876	5.877	-0.001	79	51451	0.5407	
49 Benzyl alcohol	108	5.973	5.973	0.0	89	27155	0.4930	
50 1,2-Dichlorobenzene	146	6.010	6.010	0.0	92	49615	0.4520	
51 2-Methylphenol	108	6.064	6.064	0.0	96	43228	0.5385	
52 2,2'-oxybis[1-chloropropane]	45	6.096	6.096	0.0	87	73372	0.4744	
191 3 & 4 Methylphenol	108	6.197	6.192	0.005	90	97088	1.13	
56 N-Nitrosodi-n-propylamine	70	6.203	6.208	-0.005	93	34882	0.5410	
60 Hexachloroethane	117	6.315	6.315	0.0	87	21222	0.4710	
61 Nitrobenzene	77	6.363	6.363	0.0	90	52573	0.4612	
63 Isophorone	82	6.566	6.567	-0.001	99	97616	0.5884	
65 2-Nitrophenol	139	6.641	6.642	-0.001	89	20906	0.5106	
64 2,4-Dimethylphenol	107	6.657	6.658	-0.001	90	38846	0.4566	
69 Benzoic acid	122		6.722					9
68 Bis(2-chloroethoxy)methane	93	6.748	6.749	-0.001	96	63121	0.5071	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.845	6.845	0.0	94	38604	0.5814	
72 1,2,4-Trichlorobenzene	180	6.925	6.925	0.0	92	46065	0.5175	
73 Naphthalene	128	6.994	6.995	-0.001	96	144084	0.5894	
74 4-Chloroaniline	127	7.032	7.032	0.0	84	43623	0.4230	
77 Hexachlorobutadiene	225	7.096	7.091	0.005	87	23833	0.4933	
84 4-Chloro-3-methylphenol	107	7.422	7.422	0.0	91	39722	0.5592	
85 2-Methylnaphthalene	142	7.583	7.583	0.0	93	99184	0.6184	
88 Hexachlorocyclopentadiene	237	7.711	7.711	0.0	85	11677	0.2295	
90 2,4,6-Trichlorophenol	196	7.813	7.813	0.0	86	24778	0.5232	
91 2,4,5-Trichlorophenol	196	7.845	7.840	0.005	91	27773	0.5369	
98 2-Chloronaphthalene	162	8.000	8.000	0.0	89	98682	0.5246	
100 2-Nitroaniline	65	8.069	8.070	-0.001	66	24343	0.4572	
103 Dimethyl phthalate	163	8.208	8.214	-0.006	97	109260	0.6319	
105 2,6-Dinitrotoluene	165	8.267	8.268	-0.001	82	20004	0.6491	
107 Acenaphthylene	152	8.353	8.353	0.0	92	143806	0.5815	
108 3-Nitroaniline	138	8.417	8.417	0.0	89	19967	0.4690	
110 Acenaphthene	153	8.497	8.498	-0.001	92	90564	0.5878	
109 2,4-Dinitrophenol	184	8.508	8.503	0.005	1	557	1.24	
111 4-Nitrophenol	109	8.529	8.530	-0.001	87	8766	0.5241	
112 2,4-Dinitrotoluene	165	8.610	8.610	0.0	80	23145	0.6115	
114 Dibenzofuran	168	8.642	8.642	0.0	90	135328	0.5954	
119 Diethyl phthalate	149	8.797	8.802	-0.005	95	107308	0.6216	
121 4-Chlorophenyl phenyl ether	204	8.914	8.915	-0.001	94	51764	0.5128	
123 4-Nitroaniline	138	8.925	8.931	-0.006	66	17362	0.4116	
124 Fluorene	166	8.930	8.931	-0.001	91	115108	0.6351	
126 4,6-Dinitro-2-methylphenol	198	8.952	8.952	0.0	1	4485	0.8728	
130 N-Nitrosodiphenylamine	169	9.011	9.011	0.0	0	76702	0.5923	
137 4-Bromophenyl phenyl ether	248	9.332	9.332	0.0	66	31758	0.5730	
139 Hexachlorobenzene	284	9.390	9.391	-0.001	78	31373	0.5687	
141 Pentachlorophenol	266	9.551	9.551	0.0	73	9112	0.2886	
146 Phenanthrene	178	9.743	9.744	-0.001	80	173660	0.6767	
147 Anthracene	178	9.786	9.787	-0.001	97	152732	0.5962	
149 Carbazole	167	9.909	9.910	-0.001	82	142848	0.5820	
151 Di-n-butyl phthalate	149	10.171	10.172	-0.001	100	153660	0.5539	
157 Fluoranthene	202	10.749	10.749	0.0	97	176806	0.6278	
160 Pyrene	202	10.952	10.953	-0.001	96	175686	0.6136	
166 Butyl benzyl phthalate	149	11.535	11.536	-0.001	95	59072	0.5084	
173 3,3'-Dichlorobenzidine	252	12.172	12.172	0.0	60	24316	0.2586	
171 Bis(2-ethylhexyl) phthalate	149	12.199	12.193	0.005	94	70489	0.5563	
175 Benzo[a]anthracene	228	12.225	12.226	-0.001	92	159162	0.6222	
176 Chrysene	228	12.268	12.268	0.0	88	165163	0.6816	
178 Di-n-octyl phthalate	149	13.081	13.087	-0.006	92	79983	0.5726	
180 Benzo[b]fluoranthene	252	13.696	13.702	-0.006	87	129167	0.5670	
181 Benzo[k]fluoranthene	252	13.739	13.745	-0.006	97	127577	0.5221	
182 Benzo[a]pyrene	252	14.188	14.194	-0.006	74	98011	0.4577	
186 Indeno[1,2,3-cd]pyrene	276	15.910	15.905	0.005	88	120499	0.5303	
187 Dibenz(a,h)anthracene	278	15.932	15.932	0.0	50	95417	0.4934	
188 Benzo[g,h,i]perylene	276	16.338	16.339	-0.001	88	118172	0.5938	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

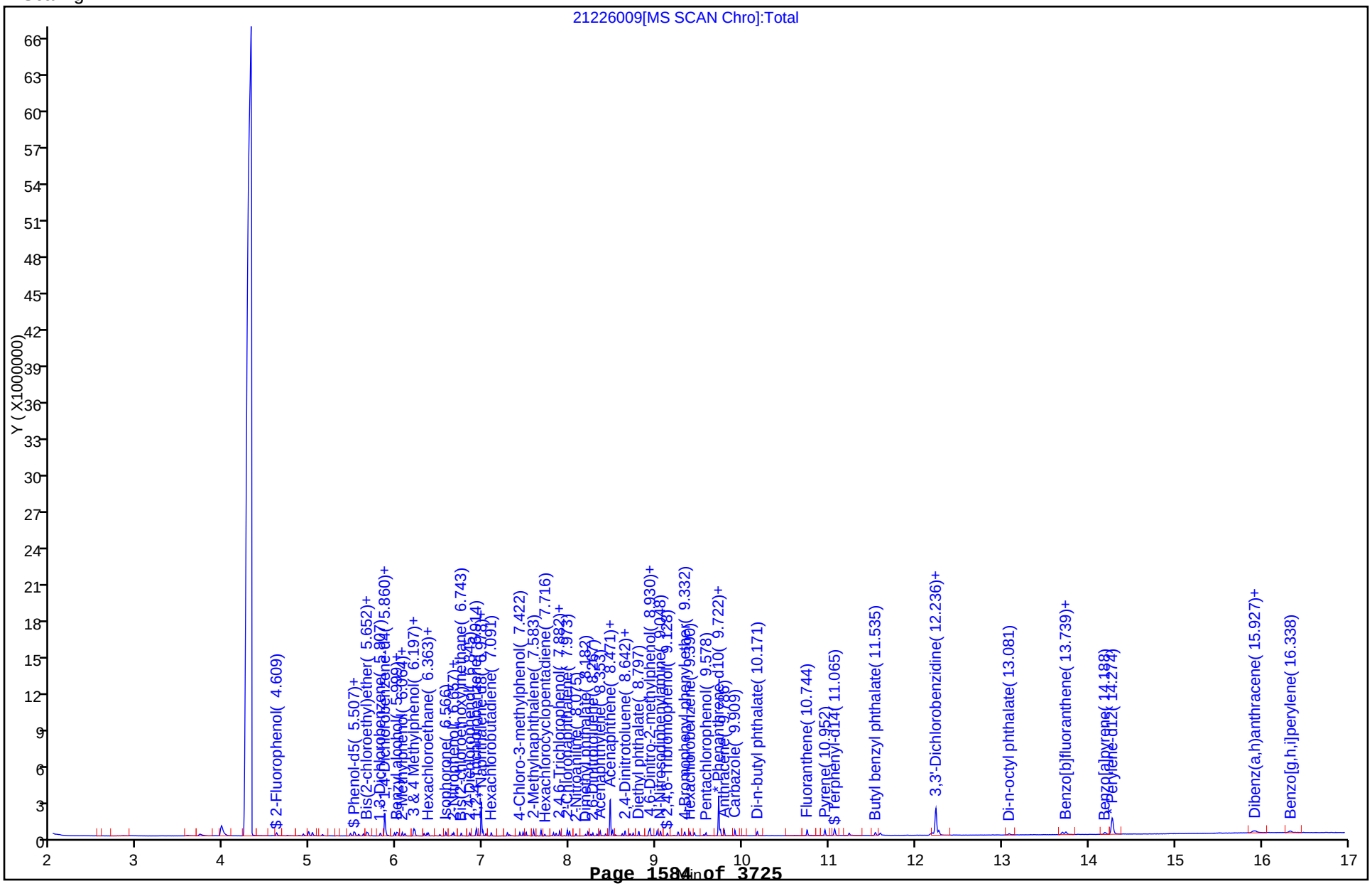
Report Date: 27-Dec-2012 09:55:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226009.D

Injection Date:	26-Dec-2012 11:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	9
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MSD | Lab Sample ID: 240-18581-1 MSD

Matrix: Solid | Lab File ID: 21229022.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.22(g) | Date Analyzed: 12/29/2012 20:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	744	D	66	33	33
208-96-8	Acenaphthylene	478	D	66	33	33
120-12-7	Anthracene	463	D	66	33	33
56-55-3	Benzo[a]anthracene	570	D	66	33	33
50-32-8	Benzo[a]pyrene	413	D	66	33	33
205-99-2	Benzo[b]fluoranthene	489	D	66	33	33
191-24-2	Benzo[g,h,i]perylene	294	D J	66	33	33
65-85-0	Benzoic acid	3300	U	6600	3300	3300
207-08-9	Benzo[k]fluoranthene	446	D	66	33	33
100-51-6	Benzyl alcohol	380	J D	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	308	J D	990	270	220
111-44-4	Bis(2-chloroethyl)ether	287	J D	990	33	20
108-60-1	bis (2-chloroisopropyl) ether	306	J D	990	270	94
117-81-7	Bis(2-ethylhexyl) phthalate	622	D	500	270	190
101-55-3	4-Bromophenyl phenyl ether	374	J D	500	270	130
85-68-7	Butyl benzyl phthalate	514	D	500	270	99
86-74-8	Carbazole	422	J D	500	270	270
106-47-8	4-Chloroaniline	270	U J	1500	270	170
59-50-7	4-Chloro-3-methylphenol	427	J D	1500	270	210
91-58-7	2-Chloronaphthalene	354	J D	500	33	33
95-57-8	2-Chlorophenol	371	J D	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	377	J D	500	270	130
218-01-9	Chrysene	679	D	66	33	11
53-70-3	Dibenz(a,h)anthracene	236	D J	66	33	33
132-64-9	Dibenzofuran	624	D	500	33	33
95-50-1	1,2-Dichlorobenzene	281	D J	500	270	96
541-73-1	1,3-Dichlorobenzene	254	D J	500	270	110
106-46-7	1,4-Dichlorobenzene	345	J D	500	270	200
91-94-1	3,3'-Dichlorobenzidine	790	U J	990	790	180
120-83-2	2,4-Dichlorophenol	399	J D	1500	270	200
84-66-2	Diethyl phthalate	464	J D	500	270	160
105-67-9	2,4-Dimethylphenol	385	J D	1500	790	200
131-11-3	Dimethyl phthalate	472	J D	500	270	170
84-74-2	Di-n-butyl phthalate	492	J D	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MSD | Lab Sample ID: 240-18581-1 MSD

Matrix: Solid | Lab File ID: 21229022.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.22(g) | Date Analyzed: 12/29/2012 20:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	790	U	1500	790	790
51-28-5	2,4-Dinitrophenol	790	U	3300	790	790
121-14-2	2,4-Dinitrotoluene	577	J D	2000	270	270
606-20-2	2,6-Dinitrotoluene	474	J D	2000	270	210
117-84-0	Di-n-octyl phthalate	684	D	500	270	270
206-44-0	Fluoranthene	601	D	66	33	33
86-73-7	Fluorene	975	D J	66	33	33
118-74-1	Hexachlorobenzene	372	D	66	33	21
87-68-3	Hexachlorobutadiene	295	J D	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	281	J D	500	270	89
193-39-5	Indeno[1,2,3-cd]pyrene	296	D	66	33	33
78-59-1	Isophorone	382	J D	500	270	130
91-57-6	2-Methylnaphthalene	943	D J	66	33	33
95-48-7	2-Methylphenol	790	U	2000	790	790
15831-10-4	3 & 4 Methylphenol	777	J D	4000	790	200
91-20-3	Naphthalene	399	D	66	33	33
88-74-4	2-Nitroaniline	398	J D	2000	270	90
99-09-2	3-Nitroaniline	206	J D	2000	790	160
100-01-6	4-Nitroaniline	381	J D	2000	270	260
98-95-3	Nitrobenzene	309	J D	990	33	22
88-75-5	2-Nitrophenol	298	J D	500	270	270
100-02-7	4-Nitrophenol	790	U	3300	790	790
621-64-7	N-Nitrosodi-n-propylamine	389	J D	500	270	270
86-30-6	N-Nitrosodiphenylamine	1280	J D	500	270	210
87-86-5	Pentachlorophenol	790	U	1500	790	790
85-01-8	Phenanthrene	1380	D	66	33	33
108-95-2	Phenol	407	J D	500	270	270
129-00-0	Pyrene	1360	D	66	33	33
120-82-1	1,2,4-Trichlorobenzene	296	J D	500	270	270
95-95-4	2,4,5-Trichlorophenol	436	J D	1500	270	250
88-06-2	2,4,6-Trichlorophenol	790	U	1500	790	790

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MSD | Lab Sample ID: 240-18581-1 MSD

Matrix: Solid | Lab File ID: 21229022.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:45

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 30.22(g) | Date Analyzed: 12/29/2012 20:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	50		45-105
367-12-4	2-Fluorophenol (Surr)	57		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	42		35-100
4165-62-2	Phenol-d5 (Surr)	56		40-100
1718-51-0	Terphenyl-d14 (Surr)	64		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	62		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229022.D
Lims ID: 240-18581-M-1-M MSD
Client ID: 070SB-0042M-0002-SO
Inject. Date: 29-Dec-2012 20:23:30
Dil. Factor: 10.0000
Sample Type: MSD
Sample ID: 240-0016274-022
Misc. Info.: 240-18581-M-1-M MSD
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 22
Lims Batch ID: 70582
Lims Sample ID: 22
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:46:14
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj
Date: 31-Dec-2012 12:39:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.834	0.0	97	261606	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	1065084	4.00	
* 3 Acenaphthene-d10	164	8.438	8.438	0.0	90	644893	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	97	1057116	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	97	1017099	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	96	692998	4.00	
$ 7 2-Fluorophenol	112	4.593	4.577	0.016	89	68203	0.8498	
$ 8 Phenol-d5	99	5.481	5.480	0.001	97	90174	0.8440	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	91	49003	0.4177	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	91	116005	0.5020	
$ 11 2,4,6-Tribromophenol	330	9.096	9.096	0.0	66	20106	0.9273	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	90	134221	0.6450	
41 Phenol	94	5.497	5.491	0.006	96	68866	0.6152	
44 Bis(2-chloroethyl)ether	93	5.588	5.587	0.001	90	47063	0.4333	
46 2-Chlorophenol	128	5.641	5.641	0.0	92	49623	0.5612	
47 1,3-Dichlorobenzene	146	5.780	5.780	0.0	91	43987	0.3834	
48 1,4-Dichlorobenzene	146	5.850	5.850	0.0	88	49718	0.5219	
49 Benzyl alcohol	108	5.946	5.946	0.0	88	31643	0.5739	
50 1,2-Dichlorobenzene	146	5.983	5.983	0.0	90	46633	0.4244	
51 2-Methylphenol	108	6.037	6.037	0.0	94	52179	0.6493	
52 2,2'-oxybis[1-chloropropane]	45	6.064	6.063	0.001	85	71594	0.4624	
191 3 & 4 Methylphenol	108	6.171	6.165	0.006	92	101313	1.17	
56 N-Nitrosodi-n-propylamine	70	6.176	6.176	0.0	90	37904	0.5872	
60 Hexachloroethane	117	6.288	6.288	0.0	86	19141	0.4244	
61 Nitrobenzene	77	6.336	6.336	0.0	86	56613	0.4664	
63 Isophorone	82	6.540	6.540	0.0	96	101952	0.5771	
65 2-Nitrophenol	139	6.615	6.614	0.0	80	19639	0.4505	
64 2,4-Dimethylphenol	107	6.631	6.630	0.001	86	52669	0.5814	
69 Benzoic acid	122		6.689					
68 Bis(2-chloroethoxy)methane	93	6.716	6.716	0.0	94	61617	0.4649	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.818	6.818	0.0	94	42579	0.6022	
72 1,2,4-Trichlorobenzene	180	6.893	6.893	0.0	77	42380	0.4471	
73 Naphthalene	128	6.968	6.967	0.001	94	157053	0.6034	
74 4-Chloroaniline	127	7.005	7.000	0.005	71	20745	0.1889	
77 Hexachlorobutadiene	225	7.064	7.064	0.0	84	22945	0.4460	
84 4-Chloro-3-methylphenol	107	7.395	7.395	0.0	90	48761	0.6448	
85 2-Methylnaphthalene	142	7.551	7.556	-0.006	88	243358	1.42	
88 Hexachlorocyclopentadiene	237	7.684	7.684	0.0	22	5986	0.1098	
90 2,4,6-Trichlorophenol	196	7.781	7.780	0.0	93	34129	0.6726	
91 2,4,5-Trichlorophenol	196	7.813	7.812	0.001	93	36548	0.6595	
98 2-Chloronaphthalene	162	7.968	7.968	0.0	90	107804	0.5349	
100 2-Nitroaniline	65	8.043	8.042	0.001	36	34329	0.6018	
103 Dimethyl phthalate	163	8.182	8.182	0.0	85	132113	0.7133	
105 2,6-Dinitrotoluene	165	8.235	8.240	-0.005	63	24577	0.7169	
107 Acenaphthylene	152	8.321	8.321	0.0	93	191470	0.7227	
108 3-Nitroaniline	138	8.385	8.385	0.0	75	14210	0.3115	
110 Acenaphthene	153	8.465	8.465	0.0	94	185675	1.12	
109 2,4-Dinitrophenol	184		8.470					9
111 4-Nitrophenol	109	8.503	8.502	0.001	74	16890	0.8036	
112 2,4-Dinitrotoluene	165	8.577	8.577	0.0	66	41560	0.8713	
114 Dibenzofuran	168	8.610	8.609	0.001	80	229655	0.9432	
119 Diethyl phthalate	149	8.770	8.770	0.0	91	129777	0.7017	
121 4-Chlorophenyl phenyl ether	204	8.882	8.882	0.0	71	61632	0.5699	
123 4-Nitroaniline	138	8.898	8.898	0.0	47	26031	0.5760	
124 Fluorene	166	8.893	8.898	-0.005	91	285930	1.47	
126 4,6-Dinitro-2-methylphenol	198		8.920					
130 N-Nitrosodiphenylamine	169	8.979	8.978	0.001	0	276727	1.93	
137 4-Bromophenyl phenyl ether	248	9.300	9.299	0.001	59	34644	0.5652	
139 Hexachlorobenzene	284	9.358	9.358	0.0	69	34270	0.5617	
141 Pentachlorophenol	266	9.519	9.519	0.0	54	14510	0.4155	
146 Phenanthrene	178	9.706	9.711	-0.005	94	592394	2.09	
147 Anthracene	178	9.754	9.754	0.0	88	198311	0.7000	
149 Carbazole	167	9.877	9.877	0.0	80	173011	0.6374	
151 Di-n-butyl phthalate	149	10.134	10.134	0.0	98	227943	0.7430	
157 Fluoranthene	202	10.712	10.711	0.001	97	282849	0.9081	
160 Pyrene	202	10.909	10.915	-0.006	97	606036	2.06	
166 Butyl benzyl phthalate	149	11.487	11.487	0.0	89	92685	0.7761	
173 3,3'-Dichlorobenzidine	252	12.113	12.118	-0.005	8	16035	0.1659	
171 Bis(2-ethylhexyl) phthalate	149	12.140	12.140	0.0	96	138922	0.9397	
175 Benzo[a]anthracene	228	12.166	12.166	0.0	94	226343	0.8608	
176 Chrysene	228	12.215	12.214	0.001	88	255589	1.03	
178 Di-n-octyl phthalate	149	13.017	13.017	0.0	89	181834	1.03	
180 Benzo[b]fluoranthene	252	13.627	13.632	-0.005	90	153025	0.7395	
181 Benzo[k]fluoranthene	252	13.664	13.669	-0.005	89	149428	0.6732	
182 Benzo[a]pyrene	252	14.113	14.119	-0.006	69	121466	0.6244	
186 Indeno[1,2,3-cd]pyrene	276	15.809	15.814	-0.005	94	92239	0.4469	
187 Dibenz(a,h)anthracene	278	15.836	15.841	-0.005	34	62696	0.3568	
188 Benzo[g,h,i]perylene	276	16.226	16.231	-0.005	75	80284	0.4441	

QC Flag Legend

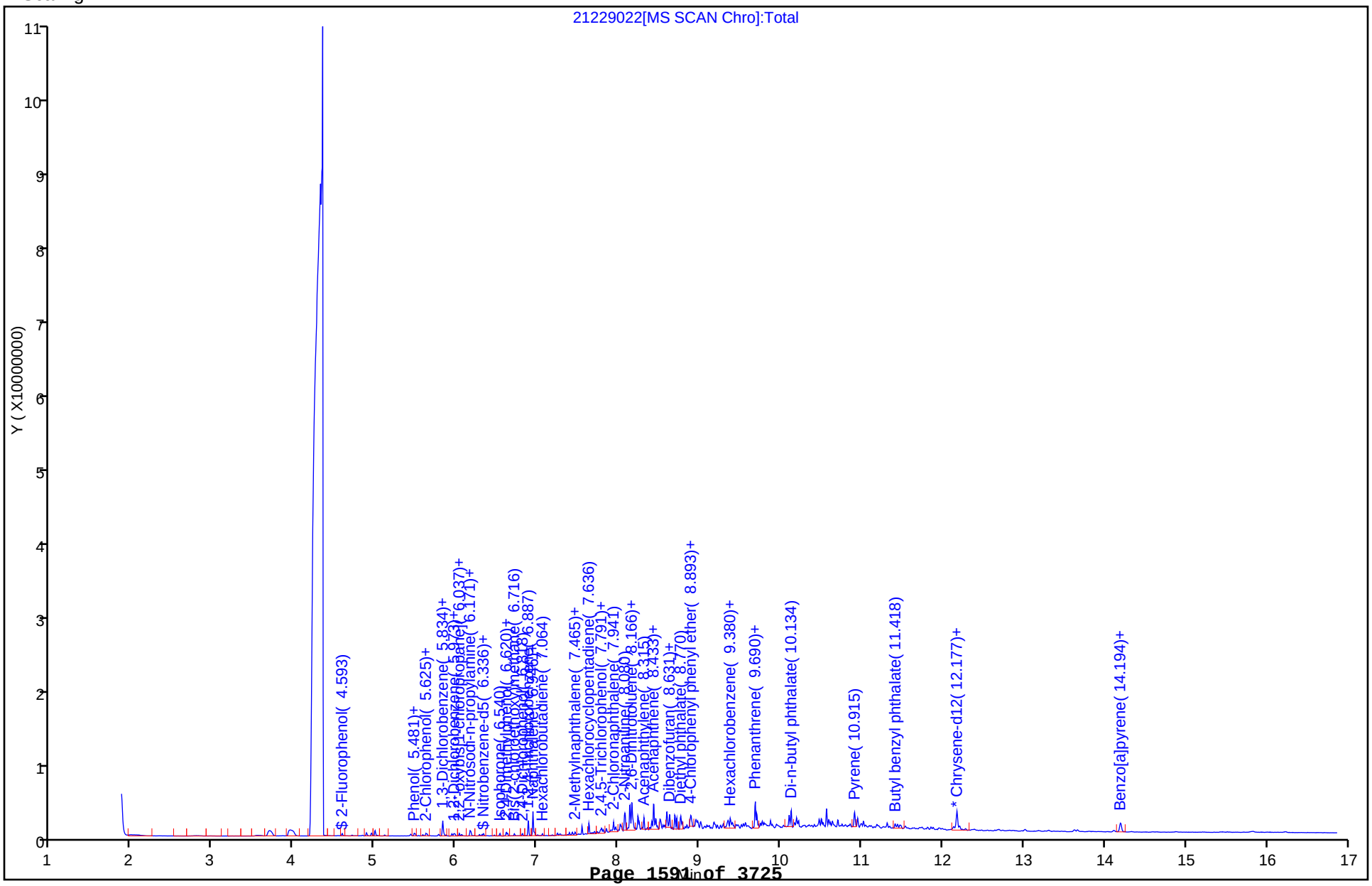
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 31-Dec-2012 12:46:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229022.D		
Injection Date:	29-Dec-2012 20:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MSD | Lab Sample ID: 240-18581-3 MSD

Matrix: Solid | Lab File ID: 21229017.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:15

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.83(g) | Date Analyzed: 12/29/2012 18:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	376	D	67	33	33
208-96-8	Acenaphthylene	375	D	67	33	33
120-12-7	Anthracene	402	D	67	33	33
56-55-3	Benzo[a]anthracene	415	D	67	33	33
50-32-8	Benzo[a]pyrene	372	D	67	33	33
205-99-2	Benzo[b]fluoranthene	423	D	67	33	33
191-24-2	Benzo[g,h,i]perylene	253	D J	67	33	33
65-85-0	Benzoic acid	3300	U	6600	3300	3300
207-08-9	Benzo[k]fluoranthene	419	D	67	33	33
100-51-6	Benzyl alcohol	363	J D	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	303	J D	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	293	J D	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	322	J D	1000	270	96
117-81-7	Bis(2-ethylhexyl) phthalate	568	D	500	270	190
101-55-3	4-Bromophenyl phenyl ether	365	J D	500	270	130
85-68-7	Butyl benzyl phthalate	459	J D	500	270	100
86-74-8	Carbazole	403	J D	500	270	270
106-47-8	4-Chloroaniline	270	U J	1500	270	170
59-50-7	4-Chloro-3-methylphenol	389	J D	1500	270	210
91-58-7	2-Chloronaphthalene	309	J D	500	33	33
95-57-8	2-Chlorophenol	353	J D	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	340	J D	500	270	130
218-01-9	Chrysene	452	D	67	33	11
53-70-3	Dibenz(a,h)anthracene	247	D M J	67	33	33
132-64-9	Dibenzofuran	393	J D	500	33	33
95-50-1	1,2-Dichlorobenzene	278	D J	500	270	98
541-73-1	1,3-Dichlorobenzene	268	J D	500	270	110
106-46-7	1,4-Dichlorobenzene	361	J D	500	270	200
91-94-1	3,3'-Dichlorobenzidine	800	U J	1000	800	180
120-83-2	2,4-Dichlorophenol	365	J D	1500	270	200
84-66-2	Diethyl phthalate	406	J D	500	270	160
105-67-9	2,4-Dimethylphenol	307	J D	1500	800	200
131-11-3	Dimethyl phthalate	403	J D	500	270	170
84-74-2	Di-n-butyl phthalate	440	J D	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MSD | Lab Sample ID: 240-18581-3 MSD

Matrix: Solid | Lab File ID: 21229017.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:15

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.83(g) | Date Analyzed: 12/29/2012 18:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	800	U	1500	800	800
51-28-5	2,4-Dinitrophenol	859	J D	3300	800	800
121-14-2	2,4-Dinitrotoluene	452	J D	2000	270	270
606-20-2	2,6-Dinitrotoluene	464	J D	2000	270	210
117-84-0	Di-n-octyl phthalate	607	D	500	270	270
206-44-0	Fluoranthene	424	D	67	33	33
86-73-7	Fluorene	407	D	67	33	33
118-74-1	Hexachlorobenzene	384	D	67	33	21
87-68-3	Hexachlorobutadiene	285	J D	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	273	J D	500	270	91
193-39-5	Indeno[1,2,3-cd]pyrene	263	D J	67	33	33
78-59-1	Isophorone	357	J D	500	270	130
91-57-6	2-Methylnaphthalene	394	D	67	33	33
95-48-7	2-Methylphenol	800	U	2000	800	800
15831-10-4	3 & 4 Methylphenol	726	J D	4000	800	200
91-20-3	Naphthalene	403	D	67	33	33
88-74-4	2-Nitroaniline	389	J D	2000	270	92
99-09-2	3-Nitroaniline	282	J D	2000	800	160
100-01-6	4-Nitroaniline	312	J D	2000	270	260
98-95-3	Nitrobenzene	277	J D	1000	33	22
88-75-5	2-Nitrophenol	299	J D	500	270	270
100-02-7	4-Nitrophenol	800	U	3300	800	800
621-64-7	N-Nitrosodi-n-propylamine	379	J D	500	270	270
86-30-6	N-Nitrosodiphenylamine	456	J D	500	270	210
87-86-5	Pentachlorophenol	800	U	1500	800	800
85-01-8	Phenanthrene	429	D	67	33	33
108-95-2	Phenol	350	J D	500	270	270
129-00-0	Pyrene	428	D	67	33	33
120-82-1	1,2,4-Trichlorobenzene	289	D J	500	270	270
95-95-4	2,4,5-Trichlorophenol	408	J D	1500	270	250
88-06-2	2,4,6-Trichlorophenol	800	U	1500	800	800

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MSD | Lab Sample ID: 240-18581-3 MSD

Matrix: Solid | Lab File ID: 21229017.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 11:15

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:03

Sample wt/vol: 29.83(g) | Date Analyzed: 12/29/2012 18:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70582 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	43	Q	45-105
367-12-4	2-Fluorophenol (Surr)	52		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	40		35-100
4165-62-2	Phenol-d5 (Surr)	54		40-100
1718-51-0	Terphenyl-d14 (Surr)	56		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	60		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229017.D
Lims ID: 240-18581-L-3-K MSD
Client ID: 070SB-044M-0002-SO
Inject. Date: 29-Dec-2012 18:26:30
Dil. Factor: 10.0000
Sample Type: MSD
Sample ID: 240-0016274-017
Misc. Info.: 240-18581-L-3-K MSD
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 17
Lims Batch ID: 70582
Lims Sample ID: 17
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121229-16274.b\8270_hp7.m
Last Update: 31-Dec-2012 12:46:14
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: gruberj
Date: 31-Dec-2012 12:36:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.834	5.834	0.0	96	261405	4.00	
* 2 Naphthalene-d8	136	6.946	6.946	0.0	99	1054714	4.00	
* 3 Acenaphthene-d10	164	8.438	8.438	0.0	91	643818	4.00	
* 4 Phenanthrene-d10	188	9.690	9.690	0.0	98	1047242	4.00	
* 5 Chrysene-d12	240	12.177	12.177	0.0	97	1033764	4.00	
* 6 Perylene-d12	264	14.199	14.199	0.0	96	698387	4.00	
$ 7 2-Fluorophenol	112	4.587	4.577	0.010	89	62784	0.7829	
$ 8 Phenol-d5	99	5.481	5.480	0.001	95	85799	0.8036	
$ 9 Nitrobenzene-d5	82	6.320	6.320	0.0	88	46268	0.3982	
$ 10 2-Fluorobiphenyl (Surr)	172	7.855	7.855	0.0	95	100157	0.4341	
$ 11 2,4,6-Tribromophenol	330	9.102	9.096	0.006	73	19441	0.8981	
$ 12 Terphenyl-d14	244	11.027	11.027	0.0	94	118293	0.5593	
41 Phenol	94	5.491	5.491	0.0	97	58386	0.5220	
44 Bis(2-chloroethyl)ether	93	5.588	5.587	0.001	84	47457	0.4373	
46 2-Chlorophenol	128	5.641	5.641	0.0	96	46483	0.5261	
47 1,3-Dichlorobenzene	146	5.780	5.780	0.0	94	45856	0.4000	
48 1,4-Dichlorobenzene	146	5.850	5.850	0.0	82	51315	0.5391	
49 Benzyl alcohol	108	5.946	5.946	0.0	88	29825	0.5413	
50 1,2-Dichlorobenzene	146	5.983	5.983	0.0	81	45552	0.4149	
51 2-Methylphenol	108	6.037	6.037	0.0	90	43101	0.5368	
52 2,2'-oxybis[1-chloropropane]	45	6.064	6.063	0.001	86	74349	0.4805	
191 3 & 4 Methylphenol	108	6.171	6.165	0.006	91	93342	1.08	
56 N-Nitrosodi-n-propylamine	70	6.176	6.176	0.0	89	36479	0.5656	
60 Hexachloroethane	117	6.288	6.288	0.0	87	18362	0.4074	
61 Nitrobenzene	77	6.336	6.336	0.0	85	49574	0.4124	
63 Isophorone	82	6.540	6.540	0.0	96	93097	0.5322	
65 2-Nitrophenol	139	6.614	6.614	0.0	89	19240	0.4457	
64 2,4-Dimethylphenol	107	6.631	6.630	0.0	87	41118	0.4584	
69 Benzoic acid	122		6.689					
68 Bis(2-chloroethoxy)methane	93	6.716	6.716	0.0	94	59361	0.4523	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.818	6.818	0.0	92	38087	0.5440	
72 1,2,4-Trichlorobenzene	180	6.893	6.893	0.0	85	40402	0.4304	
73 Naphthalene	128	6.967	6.967	0.0	81	154916	0.6010	
74 4-Chloroaniline	127	7.005	7.000	0.005	54	17199	0.1582	
77 Hexachlorobutadiene	225	7.064	7.064	0.0	86	21654	0.4251	
84 4-Chloro-3-methylphenol	107	7.395	7.395	0.0	92	43420	0.5798	
85 2-Methylnaphthalene	142	7.550	7.556	-0.006	91	99431	0.5879	
88 Hexachlorocyclopentadiene	237	7.684	7.684	0.0	58	4706	0.0865	
90 2,4,6-Trichlorophenol	196	7.780	7.780	0.0	85	33065	0.6528	
91 2,4,5-Trichlorophenol	196	7.813	7.812	0.001	94	33675	0.6087	
98 2-Chloronaphthalene	162	7.968	7.968	0.0	92	92651	0.4605	
100 2-Nitroaniline	65	8.043	8.042	0.001	56	33005	0.5796	
103 Dimethyl phthalate	163	8.182	8.182	0.0	91	111186	0.6013	
105 2,6-Dinitrotoluene	165	8.235	8.240	-0.005	64	23386	0.6921	
107 Acenaphthylene	152	8.321	8.321	0.0	91	148000	0.5596	
108 3-Nitroaniline	138	8.385	8.385	0.0	84	19158	0.4207	
110 Acenaphthene	153	8.465	8.465	0.0	85	92417	0.5608	
109 2,4-Dinitrophenol	184	8.476	8.470	0.006	1	1590	1.28	
111 4-Nitrophenol	109	8.503	8.502	0.001	84	16798	0.8012	
112 2,4-Dinitrotoluene	165	8.577	8.577	0.0	82	28793	0.6742	
114 Dibenzofuran	168	8.610	8.609	0.001	87	142639	0.5868	
119 Diethyl phthalate	149	8.765	8.770	-0.005	95	111849	0.6058	
121 4-Chlorophenyl phenyl ether	204	8.882	8.882	0.0	94	54697	0.5066	
123 4-Nitroaniline	138	8.898	8.898	0.0	48	20972	0.4649	
124 Fluorene	166	8.893	8.898	-0.005	92	117701	0.6072	
126 4,6-Dinitro-2-methylphenol	198	8.920	8.920	0.0	1	6343	0.9144	
130 N-Nitrosodiphenylamine	169	8.979	8.978	0.001	0	96440	0.6798	
137 4-Bromophenyl phenyl ether	248	9.299	9.299	0.0	60	33083	0.5449	
139 Hexachlorobenzene	284	9.358	9.358	0.0	89	34573	0.5720	
141 Pentachlorophenol	266	9.519	9.519	0.0	68	13269	0.3836	
146 Phenanthrene	178	9.706	9.711	-0.005	97	179987	0.6402	
147 Anthracene	178	9.749	9.754	-0.005	97	168310	0.5997	
149 Carbazole	167	9.877	9.877	0.0	85	161759	0.6016	
151 Di-n-butyl phthalate	149	10.134	10.134	0.0	100	199478	0.6563	
157 Fluoranthene	202	10.712	10.711	0.001	97	194940	0.6318	
160 Pyrene	202	10.909	10.915	-0.006	96	190950	0.6384	
166 Butyl benzyl phthalate	149	11.487	11.487	0.0	94	83185	0.6853	
173 3,3'-Dichlorobenzidine	252	12.113	12.118	-0.005	27	12651	0.1288	
171 Bis(2-ethylhexyl) phthalate	149	12.134	12.140	-0.006	96	124871	0.8472	
175 Benzo[a]anthracene	228	12.166	12.166	0.0	88	165443	0.6190	
176 Chrysene	228	12.209	12.214	-0.005	86	170569	0.6738	
178 Di-n-octyl phthalate	149	13.011	13.017	-0.006	91	152627	0.9055	
180 Benzo[b]fluoranthene	252	13.627	13.632	-0.005	96	131456	0.6303	
181 Benzo[k]fluoranthene	252	13.664	13.669	-0.005	96	139674	0.6244	
182 Benzo[a]pyrene	252	14.113	14.119	-0.006	67	108823	0.5551	
186 Indeno[1,2,3-cd]pyrene	276	15.809	15.814	-0.005	91	81633	0.3924	
187 Dibenz(a,h)anthracene	278	15.836	15.841	-0.005	68	65225	0.3684	M
188 Benzo[g,h,i]perylene	276	16.231	16.231	0.0	89	68749	0.3773	

QC Flag Legend

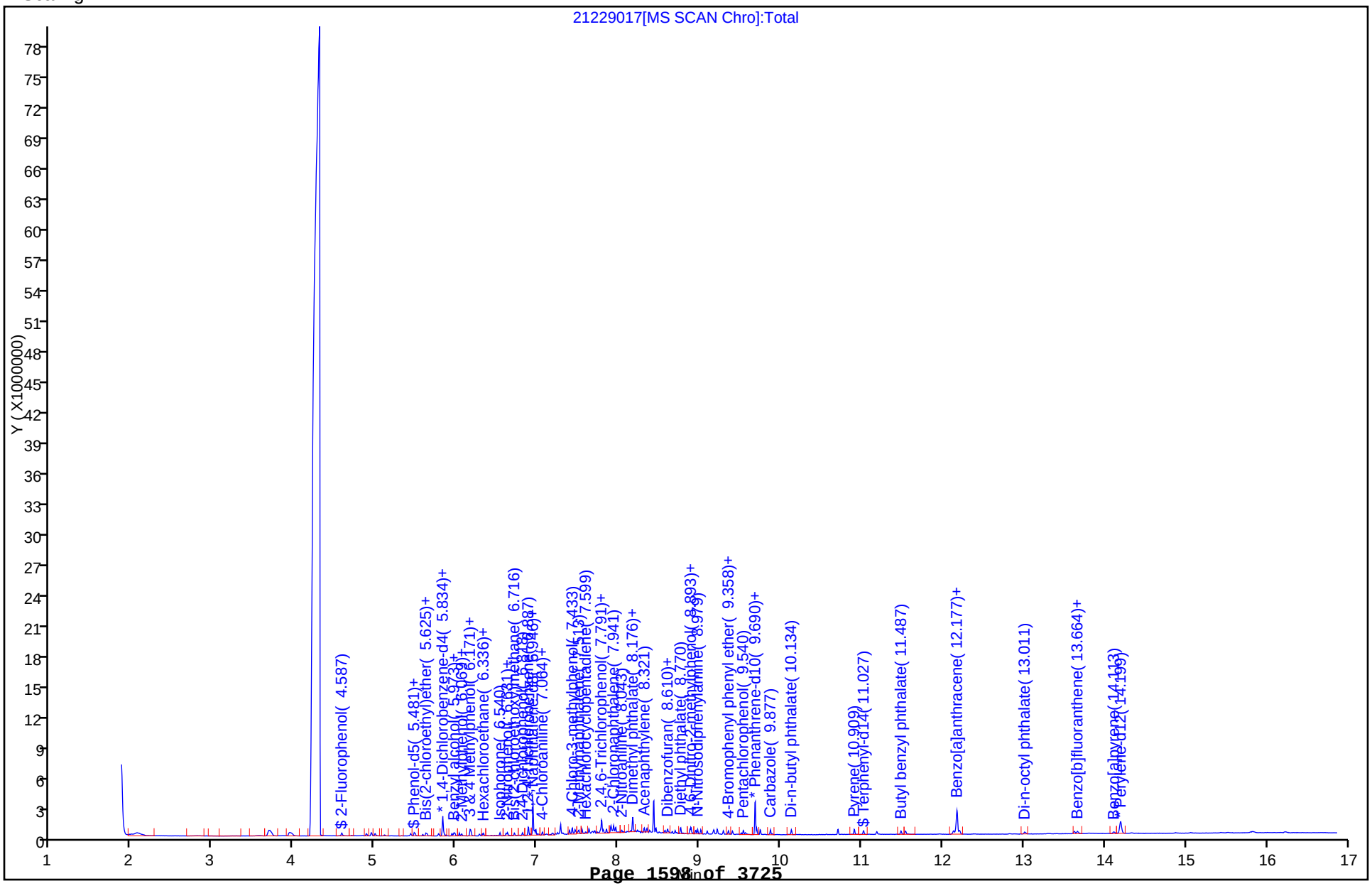
Review Flags
M - Manually Integrated

Report Date: 31-Dec-2012 12:46:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229017.D		
Injection Date:	29-Dec-2012 18:26:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-044M-0002-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	17
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

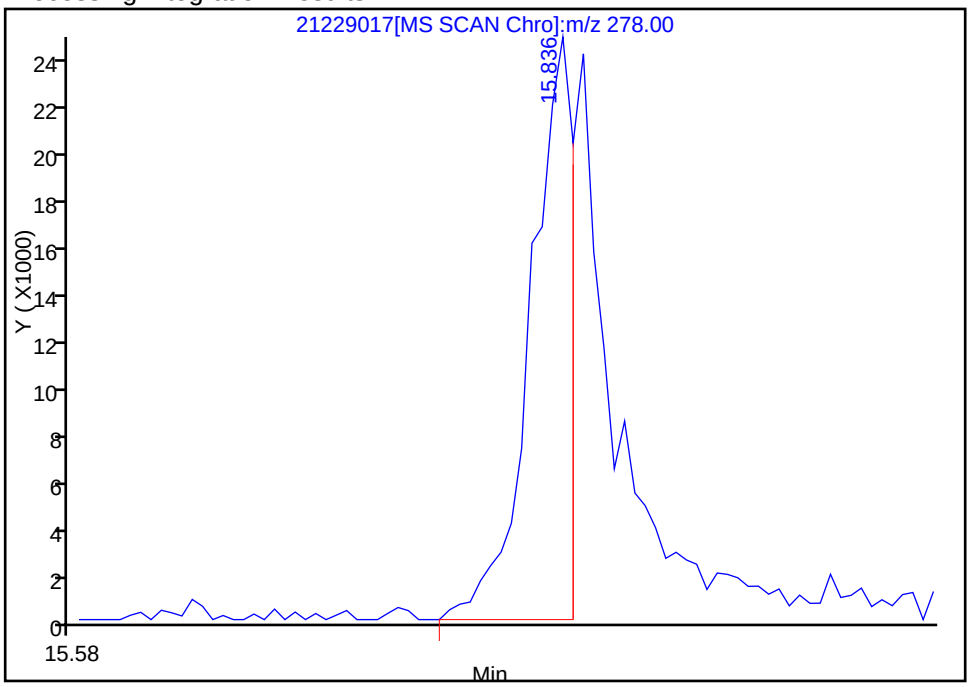
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121229-16274.b\21229017.D		
Injection Date:	29-Dec-2012 18:26:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	070SB-044M-0002-SO	Instrument ID:	A4HP7
Lims Batch ID:	70582	Lims Sample ID:	17
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

187 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 15.84

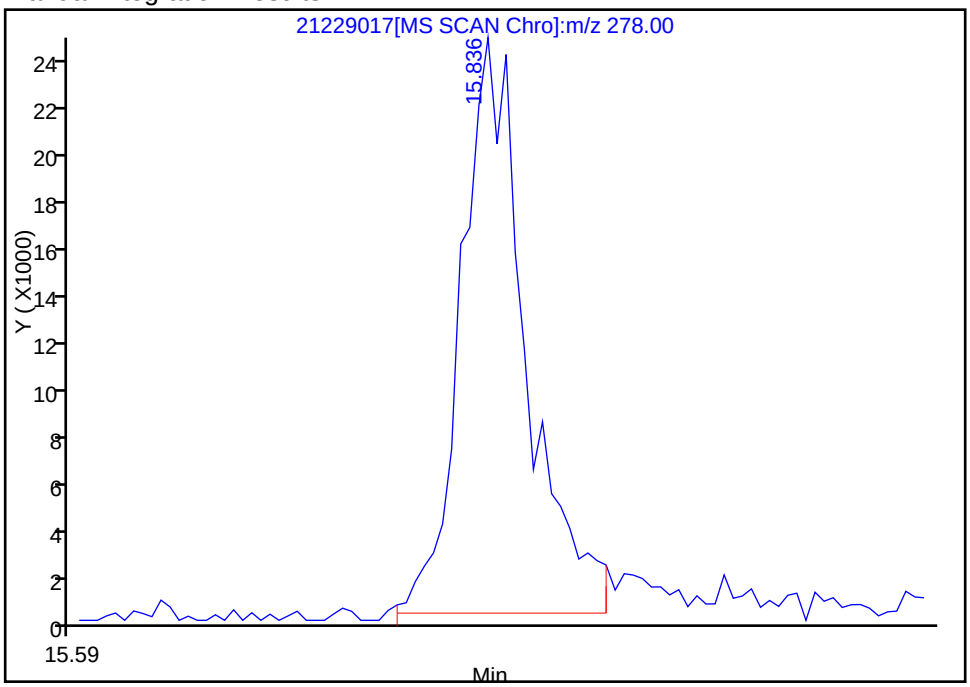
Processing Integration Results

RT: 15.84
Response: 38544
Amount: 0.217686



Manual Integration Results

RT: 15.84
Response: 65225
Amount: 0.368372



Reviewer: gruberj, 31-Dec-2012 12:36:03
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0052M-0001-SO MSD | Lab Sample ID: 240-18581-21 MSD

Matrix: Solid | Lab File ID: 21226010.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:00

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 29.94(g) | Date Analyzed: 12/26/2012 12:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	420	D	67	33	33
208-96-8	Acenaphthylene	420	D	67	33	33
120-12-7	Anthracene	433	D	67	33	33
56-55-3	Benzo[a]anthracene	465	D	67	33	33
50-32-8	Benzo[a]pyrene	350	D	67	33	33
205-99-2	Benzo[b]fluoranthene	381	D	67	33	33
191-24-2	Benzo[g,h,i]perylene	400	D	67	33	33
65-85-0	Benzoic acid	3300	U	6600	3300	3300
207-08-9	Benzo[k]fluoranthene	464	D	67	33	33
100-51-6	Benzyl alcohol	351	J D	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	334	J D	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	338	J D	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	316	J D	1000	270	95
117-81-7	Bis(2-ethylhexyl) phthalate	413	J D	500	270	190
101-55-3	4-Bromophenyl phenyl ether	382	J D	500	270	130
85-68-7	Butyl benzyl phthalate	370	J D	500	270	100
86-74-8	Carbazole	435	J D	500	270	270
106-47-8	4-Chloroaniline	229	J D	1500	270	170
59-50-7	4-Chloro-3-methylphenol	392	J D	1500	270	210
91-58-7	2-Chloronaphthalene	365	J D	500	33	33
95-57-8	2-Chlorophenol	411	J D	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	375	J D	500	270	130
218-01-9	Chrysene	506	D	67	33	11
53-70-3	Dibenz(a,h)anthracene	341	D	67	33	33
132-64-9	Dibenzofuran	437	J D	500	33	33
95-50-1	1,2-Dichlorobenzene	325	J D	500	270	97
541-73-1	1,3-Dichlorobenzene	324	J D	500	270	110
106-46-7	1,4-Dichlorobenzene	413	J D	500	270	200
91-94-1	3,3'-Dichlorobenzidine	800	U J	1000	800	180
120-83-2	2,4-Dichlorophenol	408	J D	1500	270	200
84-66-2	Diethyl phthalate	424	J D	500	270	160
105-67-9	2,4-Dimethylphenol	319	J D	1500	800	200
131-11-3	Dimethyl phthalate	459	J D	500	270	170
84-74-2	Di-n-butyl phthalate	413	J D	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0052M-0001-SO MSD | Lab Sample ID: 240-18581-21 MSD

Matrix: Solid | Lab File ID: 21226010.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:00

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 29.94(g) | Date Analyzed: 12/26/2012 12:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	800	U	1500	800	800
51-28-5	2,4-Dinitrophenol	800	U J	3300	800	800
121-14-2	2,4-Dinitrotoluene	460	J D	2000	270	270
606-20-2	2,6-Dinitrotoluene	464	J D	2000	270	210
117-84-0	Di-n-octyl phthalate	394	J D	500	270	270
206-44-0	Fluoranthene	456	D	67	33	33
86-73-7	Fluorene	440	D	67	33	33
118-74-1	Hexachlorobenzene	384	D	67	33	21
87-68-3	Hexachlorobutadiene	325	J D	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	333	J D	500	270	90
193-39-5	Indeno[1,2,3-cd]pyrene	379	D	67	33	33
78-59-1	Isophorone	398	J D	500	270	130
91-57-6	2-Methylnaphthalene	431	D	67	33	33
95-48-7	2-Methylphenol	800	U	2000	800	800
15831-10-4	3 & 4 Methylphenol	790	J D	4000	800	200
91-20-3	Naphthalene	419	D	67	33	33
88-74-4	2-Nitroaniline	325	J D	2000	270	91
99-09-2	3-Nitroaniline	330	J D	2000	800	160
100-01-6	4-Nitroaniline	327	J D	2000	270	260
98-95-3	Nitrobenzene	332	J D	1000	33	22
88-75-5	2-Nitrophenol	365	J D	500	270	270
100-02-7	4-Nitrophenol	800	U	3300	800	800
621-64-7	N-Nitrosodi-n-propylamine	390	J D	500	270	270
86-30-6	N-Nitrosodiphenylamine	430	J D	500	270	210
87-86-5	Pentachlorophenol	800	U	1500	800	800
85-01-8	Phenanthrene	496	D	67	33	33
108-95-2	Phenol	427	J D	500	270	270
129-00-0	Pyrene	466	D	67	33	33
120-82-1	1,2,4-Trichlorobenzene	337	J D	500	270	270
95-95-4	2,4,5-Trichlorophenol	371	J D	1500	270	250
88-06-2	2,4,6-Trichlorophenol	800	U	1500	800	800

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0052M-0001-SO MSD | Lab Sample ID: 240-18581-21 MSD

Matrix: Solid | Lab File ID: 21226010.D

Analysis Method: 8270C/DoD | Date Collected: 12/07/2012 10:00

Extract. Method: 3540C | Date Extracted: 12/19/2012 13:55

Sample wt/vol: 29.94(g) | Date Analyzed: 12/26/2012 12:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70078 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	55		45-105
367-12-4	2-Fluorophenol (Surr)	62		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	47		35-100
4165-62-2	Phenol-d5 (Surr)	61		40-100
1718-51-0	Terphenyl-d14 (Surr)	61		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	59		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226010.D
Lims ID: 240-18581-B-21-E MSD
Client ID:
Inject. Date: 26-Dec-2012 12:21:30
Dil. Factor: 10.0000
Sample Type: MSD
Sample ID: 240-0016171-010
Misc. Info.: 240-18581-B-21-E MSD
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 10
Lims Batch ID: 70078
Lims Sample ID: 10
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121226-16171.b\8270_hp7.m
Last Update: 27-Dec-2012 09:55:09
Calib Date: 20-Dec-2012 16:55:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121220-16051.b\21220010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: gruberj
Date: 26-Dec-2012 13:10:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.860	5.861	-0.001	97	258324	4.00	
* 2 Naphthalene-d8	136	6.978	6.979	-0.001	100	1006572	4.00	
* 3 Acenaphthene-d10	164	8.471	8.471	-0.001	89	606931	4.00	
* 4 Phenanthrene-d10	188	9.722	9.722	0.0	98	965513	4.00	
* 5 Chrysene-d12	240	12.236	12.236	0.0	97	993487	4.00	
* 6 Perylene-d12	264	14.274	14.274	0.0	96	787120	4.00	
$ 7 2-Fluorophenol	112	4.609	4.598	0.011	86	74248	0.9369	
$ 8 Phenol-d5	99	5.502	5.502	0.0	95	96784	0.9173	
$ 9 Nitrobenzene-d5	82	6.347	6.347	0.0	88	52198	0.4708	
$ 10 2-Fluorobiphenyl (Surr)	172	7.882	7.882	0.0	98	118836	0.5464	
$ 11 2,4,6-Tribromophenol	330	9.128	9.129	-0.001	81	18078	0.8859	
$ 12 Terphenyl-d14	244	11.065	11.070	-0.005	98	124403	0.6120	
41 Phenol	94	5.518	5.513	0.005	98	70718	0.6398	
44 Bis(2-chloroethyl)ether	93	5.614	5.615	-0.001	92	54210	0.5055	
46 2-Chlorophenol	128	5.668	5.668	0.0	91	53722	0.6153	
47 1,3-Dichlorobenzene	146	5.812	5.813	-0.001	90	55000	0.4855	
48 1,4-Dichlorobenzene	146	5.876	5.877	-0.001	79	58143	0.6181	
49 Benzyl alcohol	108	5.973	5.973	0.0	87	28575	0.5248	
50 1,2-Dichlorobenzene	146	6.010	6.010	0.0	89	52752	0.4862	
51 2-Methylphenol	108	6.064	6.064	0.0	97	45044	0.5677	
52 2,2'-oxybis[1-chloropropane]	45	6.096	6.096	0.0	87	72260	0.4726	
191 3 & 4 Methylphenol	108	6.197	6.192	0.005	92	100765	1.18	
56 N-Nitrosodi-n-propylamine	70	6.208	6.208	0.0	86	37172	0.5832	
60 Hexachloroethane	117	6.315	6.315	0.0	93	22196	0.4983	
61 Nitrobenzene	77	6.363	6.363	0.0	85	57001	0.4969	
63 Isophorone	82	6.566	6.567	-0.001	99	99480	0.5959	
65 2-Nitrophenol	139	6.641	6.642	-0.001	92	22493	0.5459	
64 2,4-Dimethylphenol	107	6.657	6.658	-0.001	82	40924	0.4780	
69 Benzoic acid	122		6.722					9
68 Bis(2-chloroethoxy)methane	93	6.743	6.749	-0.006	95	62682	0.5004	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.845	6.845	0.0	94	40816	0.6109	
72 1,2,4-Trichlorobenzene	180	6.925	6.925	0.0	89	45154	0.5041	
73 Naphthalene	128	6.994	6.995	-0.001	96	154346	0.6274	
74 4-Chloroaniline	127	7.032	7.032	0.0	88	35642	0.3435	
77 Hexachlorobutadiene	225	7.091	7.091	0.0	90	23688	0.4873	
84 4-Chloro-3-methylphenol	107	7.422	7.422	0.0	91	41982	0.5874	
85 2-Methylnaphthalene	142	7.583	7.583	0.0	84	104017	0.6445	
88 Hexachlorocyclopentadiene	237	7.711	7.711	0.0	88	11750	0.2291	
90 2,4,6-Trichlorophenol	196	7.813	7.813	0.0	84	26112	0.5468	
91 2,4,5-Trichlorophenol	196	7.845	7.840	0.005	90	28929	0.5547	
98 2-Chloronaphthalene	162	8.000	8.000	0.0	95	103711	0.5468	
100 2-Nitroaniline	65	8.069	8.070	-0.001	76	26159	0.4873	
103 Dimethyl phthalate	163	8.208	8.214	-0.006	97	119796	0.6872	
105 2,6-Dinitrotoluene	165	8.267	8.268	-0.001	81	22177	0.6951	
107 Acenaphthylene	152	8.353	8.353	0.0	89	156698	0.6285	
108 3-Nitroaniline	138	8.417	8.417	0.0	91	21207	0.4940	
110 Acenaphthene	153	8.497	8.498	-0.001	86	97580	0.6282	
109 2,4-Dinitrophenol	184		8.503					
111 4-Nitrophenol	109	8.529	8.530	-0.001	89	9804	0.5624	
112 2,4-Dinitrotoluene	165	8.610	8.610	0.0	88	28012	0.6886	
114 Dibenzofuran	168	8.642	8.642	0.0	84	149916	0.6542	
119 Diethyl phthalate	149	8.802	8.802	0.0	96	110551	0.6352	
121 4-Chlorophenyl phenyl ether	204	8.914	8.915	-0.001	97	57105	0.5610	
123 4-Nitroaniline	138	8.925	8.931	-0.006	59	20795	0.4890	
124 Fluorene	166	8.930	8.931	-0.001	89	120379	0.6588	
126 4,6-Dinitro-2-methylphenol	198	8.952	8.952	0.0	1	4372	0.8678	
130 N-Nitrosodiphenylamine	169	9.011	9.011	0.0	0	84151	0.6434	
137 4-Bromophenyl phenyl ether	248	9.332	9.332	0.0	64	32034	0.5722	
139 Hexachlorobenzene	284	9.390	9.391	-0.001	83	32069	0.5755	
141 Pentachlorophenol	266	9.551	9.551	0.0	70	10206	0.3200	
146 Phenanthrene	178	9.743	9.744	-0.001	95	192425	0.7424	
147 Anthracene	178	9.786	9.787	-0.001	97	167635	0.6479	
149 Carbazole	167	9.909	9.910	-0.001	86	161532	0.6516	
151 Di-n-butyl phthalate	149	10.171	10.172	-0.001	100	173324	0.6186	
157 Fluoranthene	202	10.749	10.749	0.0	96	194048	0.6821	
160 Pyrene	202	10.952	10.953	-0.001	97	200497	0.6975	
166 Butyl benzyl phthalate	149	11.535	11.536	-0.001	95	64683	0.5545	
173 3,3'-Dichlorobenzidine	252	12.172	12.172	0.0	48	23463	0.2485	
171 Bis(2-ethylhexyl) phthalate	149	12.193	12.193	0.0	95	81248	0.6183	
175 Benzo[a]anthracene	228	12.220	12.226	-0.006	95	178831	0.6963	
176 Chrysene	228	12.268	12.268	0.0	91	184122	0.7568	
178 Di-n-octyl phthalate	149	13.086	13.087	-0.001	96	87329	0.5905	
180 Benzo[b]fluoranthene	252	13.696	13.702	-0.006	95	133957	0.5699	
181 Benzo[k]fluoranthene	252	13.739	13.745	-0.006	95	174975	0.6940	
182 Benzo[a]pyrene	252	14.188	14.194	-0.006	73	115685	0.5236	
186 Indeno[1,2,3-cd]pyrene	276	15.900	15.905	-0.005	91	133160	0.5680	
187 Dibenz(a,h)anthracene	278	15.937	15.932	0.005	66	101948	0.5109	
188 Benzo[g,h,i]perylene	276	16.333	16.339	-0.006	89	122830	0.5981	

QC Flag Legend

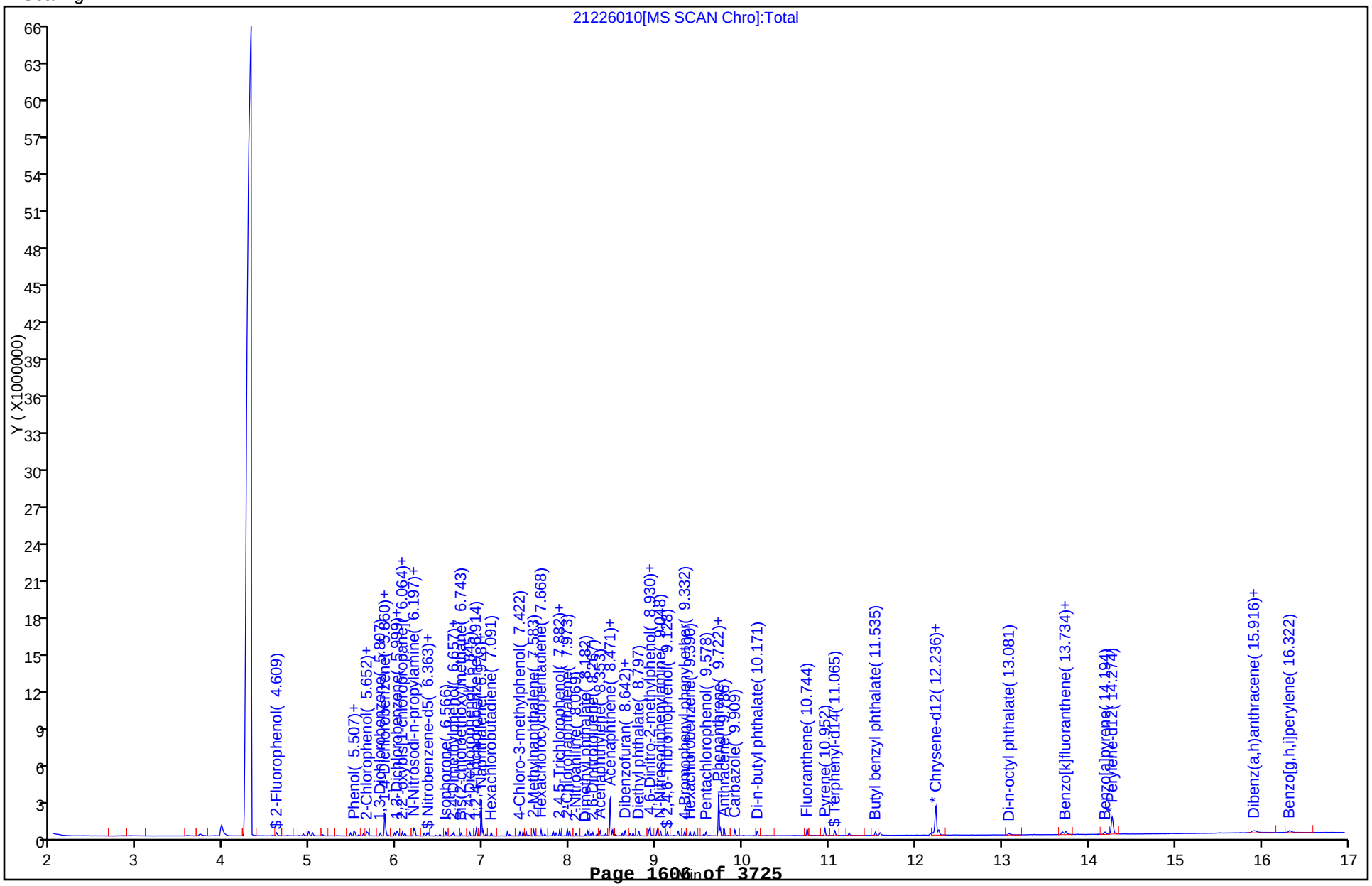
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 27-Dec-2012 09:55:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121226-16171.b\21226010.D		
Injection Date:	26-Dec-2012 12:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	70078	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A4HP7 Start Date: 12/20/2012 13:24

Analysis Batch Number: 69576 End Date: 12/20/2012 17:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-69576/1		12/20/2012 13:24	1	21220001.D	RXI-5SILMS 0.45(mm)
STD5 240-69576/2 IC		12/20/2012 13:47	1	21220002.D	RXI-5SILMS 0.45(mm)
STD4 240-69576/3 IC		12/20/2012 14:11	1	21220003.D	RXI-5SILMS 0.45(mm)
STD3 240-69576/4 IC		12/20/2012 14:34	1	21220004.D	RXI-5SILMS 0.45(mm)
STD2 240-69576/5 IC		12/20/2012 14:58	1	21220005.D	RXI-5SILMS 0.45(mm)
STD1 240-69576/6 IC		12/20/2012 15:21	1	21220006.D	RXI-5SILMS 0.45(mm)
STD9 240-69576/7 IC		12/20/2012 15:45	1	21220007.D	RXI-5SILMS 0.45(mm)
STD8 240-69576/8 IC		12/20/2012 16:08	1	21220008.D	RXI-5SILMS 0.45(mm)
STD7 240-69576/9 IC		12/20/2012 16:32	1	21220009.D	RXI-5SILMS 0.45(mm)
STD6 240-69576/10 ICIS		12/20/2012 16:55	1	21220010.D	RXI-5SILMS 0.45(mm)
ICV 240-69576/12		12/20/2012 17:42	1		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A4HP7 Start Date: 12/21/2012 10:49

Analysis Batch Number: 69733 End Date: 12/21/2012 21:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-69733/1		12/21/2012 10:49	1	21221001.D	RXI-5SILMS 0.45(mm)
CCV 240-69733/2		12/21/2012 11:10	1		RXI-5SILMS 0.45(mm)
ICV 240-69733/12		12/21/2012 11:34	1	21221012.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 11:59	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 12:23	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 12:47	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 13:10	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 13:33	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 14:20	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 14:44	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 15:07	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 15:31	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 15:54	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 16:18	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 16:41	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 17:05	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 17:28	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 17:52	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 18:15	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 18:39	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 19:02	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 19:26	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 19:50	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/21/2012 20:13	1		RXI-5SILMS 0.45(mm)
mdll1 LODV		12/21/2012 20:37	1		RXI-5SILMS 0.45(mm)
mdll2 LODV		12/21/2012 21:00	1		RXI-5SILMS 0.45(mm)
mdll3 LODV		12/21/2012 21:24	1		RXI-5SILMS 0.45(mm)
mdll4 LODV		12/21/2012 21:47	1		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A4HP7 Start Date: 12/26/2012 08:52

Analysis Batch Number: 70078 End Date: 12/26/2012 14:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-70078/1		12/26/2012 08:52	1	21226001.D	RXI-5SILMS 0.45(mm)
CCV 240-70078/2		12/26/2012 09:15	1	21226002.D	RXI-5SILMS 0.45(mm)
MRL 240-70078/3		12/26/2012 09:38	1	21226003.D	RXI-5SILMS 0.45(mm)
MB 240-69446/11-A		12/26/2012 10:01	1	21226004.D	RXI-5SILMS 0.45(mm)
LCS 240-69446/12-A		12/26/2012 10:25	1	21226005.D	RXI-5SILMS 0.45(mm)
240-18581-21	070SB-0052M-0001-SO	12/26/2012 11:35	10	21226008.D	RXI-5SILMS 0.45(mm)
240-18581-21 MS	070SB-0052M-0001-SO MS	12/26/2012 11:58	10	21226009.D	RXI-5SILMS 0.45(mm)
240-18581-21 MSD	070SB-0052M-0001-SO MSD	12/26/2012 12:21	10	21226010.D	RXI-5SILMS 0.45(mm)
240-18581-22	070SB-0053M-0001-SO	12/26/2012 12:45	4	21226011.D	RXI-5SILMS 0.45(mm)
240-18581-23	070SB-0054M-0001-SO	12/26/2012 13:08	4	21226012.D	RXI-5SILMS 0.45(mm)
240-18581-20	070SB-0051M-0001-SO	12/26/2012 13:32	10	21226013.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/26/2012 13:55	20		RXI-5SILMS 0.45(mm)
ZZZZZ		12/26/2012 14:18	20		RXI-5SILMS 0.45(mm)
MRL 240-70078/16		12/26/2012 14:42	1	21226016.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A4HP7 Start Date: 12/28/2012 09:38

Analysis Batch Number: 70417 End Date: 12/28/2012 17:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-70417/1		12/28/2012 09:38	1	21228001.D	RXI-5SILMS 0.45(mm)
CCV 240-70417/2		12/28/2012 10:14	1	21228002.D	RXI-5SILMS 0.45(mm)
CCV 240-70417/3		12/28/2012 10:37	1	21228003.D	RXI-5SILMS 0.45(mm)
MRL 240-70417/4		12/28/2012 11:00	1	21228004.D	RXI-5SILMS 0.45(mm)
MB 240-69432/23-A		12/28/2012 11:25	1	21228005.D	RXI-5SILMS 0.45(mm)
LCS 240-69432/24-A		12/28/2012 11:48	1	21228006.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/28/2012 12:11	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/28/2012 12:34	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/28/2012 13:44	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/28/2012 14:07	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/28/2012 14:30	1		RXI-5SILMS 0.45(mm)
240-18581-19	070SB-0050M-0001-SO	12/28/2012 14:54	1	21228012.D	RXI-5SILMS 0.45(mm)
240-18581-18	070SB-0049M-0001-SO	12/28/2012 15:17	1	21228013.D	RXI-5SILMS 0.45(mm)
240-18581-17	070SS-0048M-0001-SO	12/28/2012 15:40	1	21228014.D	RXI-5SILMS 0.45(mm)
240-18581-16	072SB-0073-0001-SO	12/28/2012 16:03	1	21228015.D	RXI-5SILMS 0.45(mm)
240-18581-15	072SB-0072-0001-SO	12/28/2012 16:27	1	21228016.D	RXI-5SILMS 0.45(mm)
240-18581-14	072SB-0071-0001-SO	12/28/2012 16:50	1	21228017.D	RXI-5SILMS 0.45(mm)
MRL 240-70417/18		12/28/2012 17:13	1	21228018.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A4HP7 Start Date: 12/29/2012 12:15

Analysis Batch Number: 70582 End Date: 12/29/2012 22:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-70582/1		12/29/2012 12:15	1	B1.D	RXI-5SILMS 0.45(mm)
CCV 240-70582/2		12/29/2012 12:36	1	21229002.D	RXI-5SILMS 0.45(mm)
MRL 240-70582/4		12/29/2012 13:22	1	21229004.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/29/2012 13:46	1		RXI-5SILMS 0.45(mm)
240-18581-13	072SB-0070-0001-SO	12/29/2012 14:09	1	21229006.D	RXI-5SILMS 0.45(mm)
240-18581-11	072SB-0060-0001-SO	12/29/2012 14:32	1	21229007.D	RXI-5SILMS 0.45(mm)
240-18581-10	072SB-0059-0001-SO	12/29/2012 14:56	1	21229008.D	RXI-5SILMS 0.45(mm)
240-18581-7	072SB-0056-0001-SO	12/29/2012 15:19	1	21229009.D	RXI-5SILMS 0.45(mm)
240-18581-9	072SB-0058-0001-SO	12/29/2012 15:42	1	21229010.D	RXI-5SILMS 0.45(mm)
240-18581-8	072SB-0057-0001-SO	12/29/2012 16:05	1	21229011.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/29/2012 16:29	2.5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/29/2012 16:52	2.5		RXI-5SILMS 0.45(mm)
240-18581-2	070SB-043M-0001-SO	12/29/2012 17:15	10	21229014.D	RXI-5SILMS 0.45(mm)
240-18581-3	070SB-044M-0001-SO	12/29/2012 17:39	10	21229015.D	RXI-5SILMS 0.45(mm)
240-18581-3 MS	070SB-044M-0001-SO MS	12/29/2012 18:03	10	21229016.D	RXI-5SILMS 0.45(mm)
240-18581-3 MSD	070SB-044M-0001-SO MSD	12/29/2012 18:26	10	21229017.D	RXI-5SILMS 0.45(mm)
240-18581-6	070SB-047M-0001-SO	12/29/2012 18:49	10	21229018.D	RXI-5SILMS 0.45(mm)
240-18581-4	070SB-045M-0001-SO	12/29/2012 19:13	10	21229019.D	RXI-5SILMS 0.45(mm)
240-18581-1	070SB-0042M-0001-SO	12/29/2012 19:36	10	21229020.D	RXI-5SILMS 0.45(mm)
240-18581-1 MS	070SB-0042M-0001-SO MS	12/29/2012 20:00	10	21229021.D	RXI-5SILMS 0.45(mm)
240-18581-1 MSD	070SB-0042M-0001-SO MSD	12/29/2012 20:23	10	21229022.D	RXI-5SILMS 0.45(mm)
240-18581-5	070SB-046M-0001-SO	12/29/2012 20:46	10	21229023.D	RXI-5SILMS 0.45(mm)
MRL 240-70582/24		12/29/2012 21:10	1	21229024.D	RXI-5SILMS 0.45(mm)
mdll 1 LODV		12/29/2012 21:33	1	21229025.D	RXI-5SILMS 0.45(mm)
mdll 2 LODV		12/29/2012 21:57	1	21229026.D	RXI-5SILMS 0.45(mm)
mdll 3 LODV		12/29/2012 22:20	1	21229027.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69432 Batch Start Date: 12/19/12 15:35 Batch Analyst: Earle, Steve

Batch Method: 3540C Batch End Date: 12/20/12 07:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00031	EXBNASURRW 00021	EXRESTEKSPKW 00017	
240-18581-M-1-A	070SB-0042M-0001-SO	3540C, 8270C/DoD	T	30.28 g	2 mL		1 mL		
240-18581-M-1-BMS	070SB-0042M-0001-SO	3540C, 8270C/DoD	T	29.57 g	2 mL	1 mL	1 mL	1 mL	
240-18581-M-1-CMSD	070SB-0042M-0001-SO	3540C, 8270C/DoD	T	30.22 g	2 mL	1 mL	1 mL	1 mL	
240-18581-H-2-A	070SB-043M-0001-SO	3540C, 8270C/DoD	T	30.38 g	2 mL		1 mL		
240-18581-L-3-A	070SB-044M-0001-SO	3540C, 8270C/DoD	T	29.66 g	2 mL		1 mL		
240-18581-L-3-BMS	070SB-044M-0001-SO	3540C, 8270C/DoD	T	29.87 g	2 mL	1 mL	1 mL	1 mL	
240-18581-L-3-CMSD	070SB-044M-0001-SO	3540C, 8270C/DoD	T	29.83 g	2 mL	1 mL	1 mL	1 mL	
240-18581-B-4-A	070SB-045M-0001-SO	3540C, 8270C/DoD	T	29.93 g	2 mL		1 mL		
240-18581-K-5-A	070SB-046M-0001-SO	3540C, 8270C/DoD	T	30.00 g	2 mL		1 mL		
240-18581-H-6-A	070SB-047M-0001-SO	3540C, 8270C/DoD	T	29.68 g	2 mL		1 mL		
240-18581-H-7	072SB-0056-0001-SO	3540C, 8270C/DoD	T	29.77 g	2 mL		1 mL		
240-18581-H-8	072SB-0057-0001-SO	3540C, 8270C/DoD	T	29.97 g	2 mL		1 mL		
240-18581-H-9	072SB-0058-0001-SO	3540C, 8270C/DoD	T	30.00 g	2 mL		1 mL		
240-18581-H-10	072SB-0059-0001-SO	3540C, 8270C/DoD	T	30.31 g	2 mL		1 mL		
240-18581-H-11	072SB-0060-0001-SO	3540C, 8270C/DoD	T	29.64 g	2 mL		1 mL		
240-18581-H-13	072SB-0070-0001-SO	3540C, 8270C/DoD	T	29.52 g	2 mL		1 mL		
240-18581-H-14	072SB-0071-0001-SO	3540C, 8270C/DoD	T	29.91 g	2 mL		1 mL		
240-18581-H-15	072SB-0072-0001-SO	3540C, 8270C/DoD	T	29.72 g	2 mL		1 mL		
240-18581-H-16	072SB-0073-0001-SO	3540C, 8270C/DoD	T	30.08 g	2 mL		1 mL		
240-18581-B-17-A	070SS-0048M-0001-SO	3540C, 8270C/DoD	T	29.70 g	2 mL		1 mL		
240-18581-B-18-A	070SB-0049M-0001-SO	3540C, 8270C/DoD	T	30.21 g	2 mL		1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69432 Batch Start Date: 12/19/12 15:35 Batch Analyst: Earle, Steve

Batch Method: 3540C Batch End Date: 12/20/12 07:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00031	EXBNASURRW 00021	EXRESTEKSPKW 00017	
240-18581-B-19-A	070SB-0050M-0001-SO	3540C, 8270C/DoD	T	29.58 g	2 mL		1 mL		
MB 240-69432/23		3540C, 8270C/DoD		30.00 g	2 mL		1 mL		
LCS 240-69432/24		3540C, 8270C/DoD		30.00 g	2 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	b036
Na2SO4 Lot Number	677237
Prep Solvent Lot #	785980

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69446 Batch Start Date: 12/19/12 15:35 Batch Analyst: Earle, Steve

Batch Method: 3540C Batch End Date: 12/20/12 07:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00031	EXBNASURRW 00021	EXRESTEKSPKW 00017	
240-18581-B-20-A	070SB-0051M-0001-SO	3540C, 8270C/DoD	T	30.04 g	2 mL		1 mL		
240-18581-B-21-A	070SB-0052M-0001-SO	3540C, 8270C/DoD	T	30.13 g	2 mL		1 mL		
240-18581-B-21-A MS	070SB-0052M-0001-SO	3540C, 8270C/DoD	T	30.23 g	2 mL	1 mL	1 mL	1 mL	
240-18581-B-21-A MSD	070SB-0052M-0001-SO	3540C, 8270C/DoD	T	29.94 g	2 mL	1 mL	1 mL	1 mL	
240-18581-B-22-A	070SB-0053M-0001-SO	3540C, 8270C/DoD	T	29.96 g	2 mL		1 mL		
240-18581-B-23-A	070SB-0054M-0001-SO	3540C, 8270C/DoD	T	30.30 g	2 mL		1 mL		
MB 240-69446/11		3540C, 8270C/DoD		30.00 g	2 mL		1 mL		
LCS 240-69446/12		3540C, 8270C/DoD		30.00 g	2 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	b036
Na2SO4 Lot Number	677237
Prep Solvent Lot #	785980

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8015B - GRO

Gasoline Range Organics (GC) by Method 8015B

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-VRX ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	TFT1	#
070SB-043M-0001-SO	240-18581-2	80	M
072SB-0056-0001-SO	240-18581-7	77	
072SB-0057-0001-SO	240-18581-8	70	
072SB-0058-0001-SO	240-18581-9	79	
072SB-0059-0001-SO	240-18581-10	78	
072SB-0060-0001-SO	240-18581-11	79	
072SB-0070-0001-SO	240-18581-13	75	
072SB-0071-0001-SO	240-18581-14	75	
072SB-0072-0001-SO	240-18581-15	74	
072SB-0073-0001-SO	240-18581-16	72	
	MB 240-69540/24	80	
	LCS 240-69540/25	84	M

	QC LIMITS
TFT = Trifluorotoluene (Surr)	10-150

Column to be used to flag recovery values

FORM II 8015B

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-VRX ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	TFT1 #
	MRL 240-69540/23	78
	MRL 240-69540/38	78

	QC LIMITS
TFT = Trifluorotoluene (Surr)	70-130

Column to be used to flag recovery values

FORM II 8015B

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: YF122025.D

Lab ID: LCS 240-69540/25 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
C6-C12	800	891	111	60-142	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: YF122023.D

Lab ID: MRL 240-69540/23 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MRL CONCENTRATION (ug/L)	MRL % REC	QC LIMITS REC	#
C6-C12	100	96.4 J	96	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: YF122038.D

Lab ID: MRL 240-69540/38 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MRL CONCENTRATION (ug/L)	MRL % REC	QC LIMITS REC	#
C6-C12	100	90.9 J	91	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM IV
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: MB 240-69540/24

Matrix: Solid Date Extracted:

Lab File ID:(1) YF122024.D Lab File ID:(2)

Date Analyzed:(1) 12/21/2012 00:32 Date Analyzed:(2)

Instrument ID:(1) YPID Instrument ID:(2)

GC Column:(1) RTX-VRX ID: 0.45(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-69540/25	12/21/2012 01:10	
070SB-043M-0001-SO	240-18581-2	12/21/2012 01:48	
072SB-0056-0001-SO	240-18581-7	12/21/2012 02:26	
072SB-0057-0001-SO	240-18581-8	12/21/2012 03:04	
072SB-0058-0001-SO	240-18581-9	12/21/2012 03:42	
072SB-0059-0001-SO	240-18581-10	12/21/2012 04:20	
072SB-0060-0001-SO	240-18581-11	12/21/2012 04:58	
072SB-0070-0001-SO	240-18581-13	12/21/2012 05:36	
072SB-0071-0001-SO	240-18581-14	12/21/2012 06:51	
072SB-0072-0001-SO	240-18581-15	12/21/2012 07:29	
072SB-0073-0001-SO	240-18581-16	12/21/2012 08:07	

FORM VIII
GASOLINE RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-69540/5 Date Analyzed: 12/20/2012 11:57

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm)

Lab File ID (Standard): YF122005.D Heated Purge: (Y/N) N

Calibration ID: 10675

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TFT		
				RT #		
CONTINUING CALIBRATION SURROGATE				9.76		
UPPER LIMIT				9.86		
LOWER LIMIT				9.66		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-69540/5 CCVRT		12/20/2012 11:57	YF122005.D	9.76		
CCV 240-69540/22		12/20/2012 23:16	YF122022.D	9.76		
MB 240-69540/24		12/21/2012 00:32	YF122024.D	9.76		
LCS 240-69540/25		12/21/2012 01:10	YF122025.D	9.76		
240-18581-2	070SB-043M-0001-SO	12/21/2012 01:48	YF122026.D	9.76		
240-18581-7	072SB-0056-0001-SO	12/21/2012 02:26	YF122027.D	9.76		
240-18581-8	072SB-0057-0001-SO	12/21/2012 03:04	YF122028.D	9.76		
240-18581-9	072SB-0058-0001-SO	12/21/2012 03:42	YF122029.D	9.76		
240-18581-10	072SB-0059-0001-SO	12/21/2012 04:20	YF122030.D	9.76		
240-18581-11	072SB-0060-0001-SO	12/21/2012 04:58	YF122031.D	9.75		
240-18581-13	072SB-0070-0001-SO	12/21/2012 05:36	YF122032.D	9.76		
CCV 240-69540/33		12/21/2012 06:14	YF122033.D	9.76		
240-18581-14	072SB-0071-0001-SO	12/21/2012 06:51	YF122034.D	9.75		
240-18581-15	072SB-0072-0001-SO	12/21/2012 07:29	YF122035.D	9.76		
240-18581-16	072SB-0073-0001-SO	12/21/2012 08:07	YF122036.D	9.75		
CCV 240-69540/37		12/21/2012 08:45	YF122037.D	9.76		

TFT = Trifluorotoluene (Surr)

TFT RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-043M-0001-SO Lab Sample ID: 240-18581-2

Matrix: Solid Lab File ID: YF122026.D

Analysis Method: 8015B Date Collected: 12/07/2012 11:45

Sample wt/vol: 5.783(g) Date Analyzed: 12/21/2012 01:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 20.1 Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	980		110	54	50

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	80	M	10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122026.D		
Lims ID:	240-18581-B-2-C	Client ID:	070SB-043M-0001-SO
Inject. Date:	21-Dec-2012 01:48:52	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016046-026		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	26
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:36	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

First Level Reviewer: bosworthh Date: 21-Dec-2012 07:14:03

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.759	9.762	-0.003	1231559	8.01	M
A 1 C6-C12	2	13.439	4.964 -	21.913	129688190	901.9	

QC Flag Legend

Review Flags
M - Manually Integrated

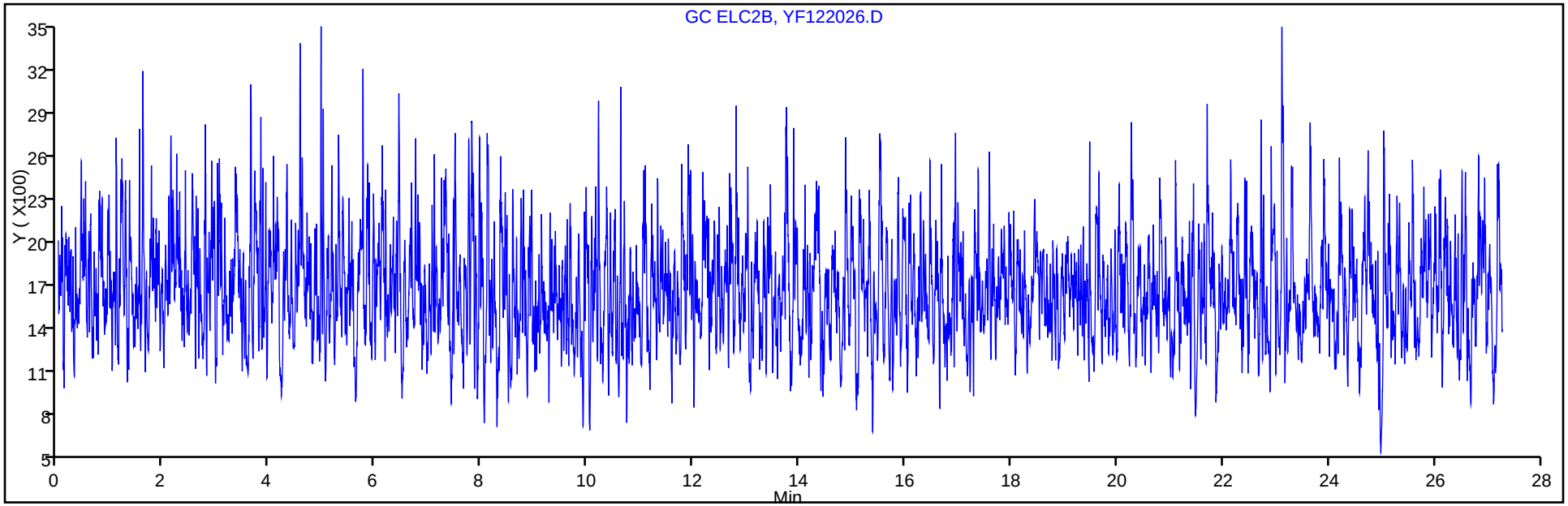
Report Date: 24-Dec-2012 09:17:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

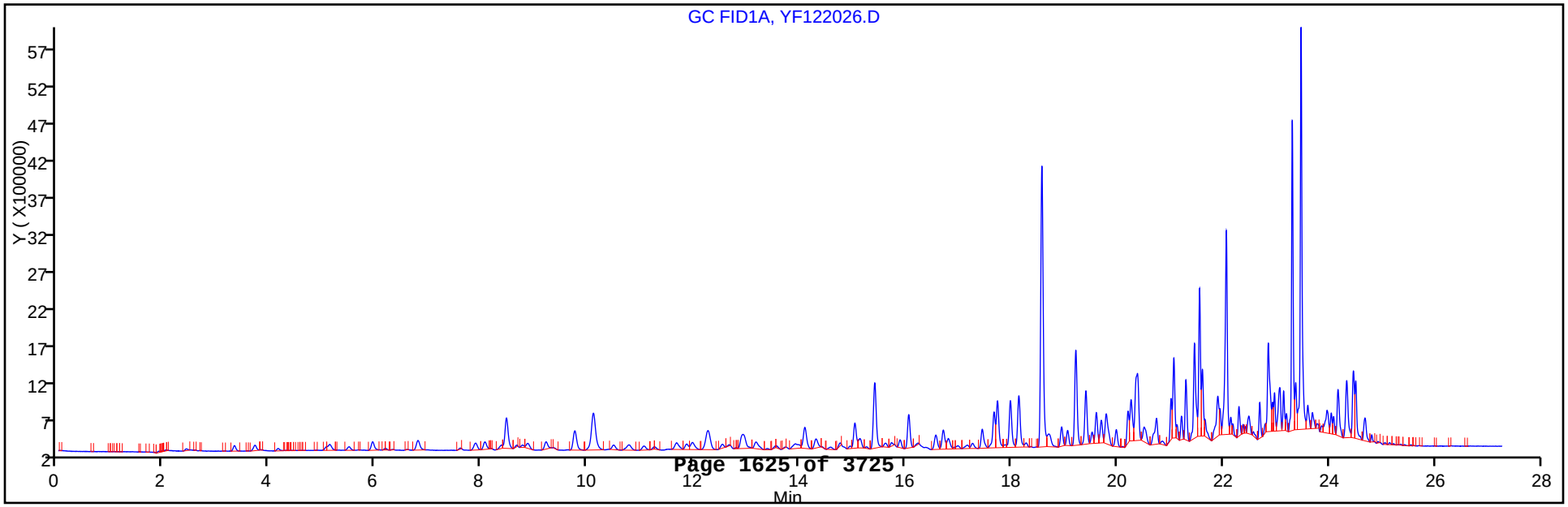
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122026.D

Injection Date:	21-Dec-2012 01:48:52	Limit Group:	GCV 8015B GRO ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	26
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:

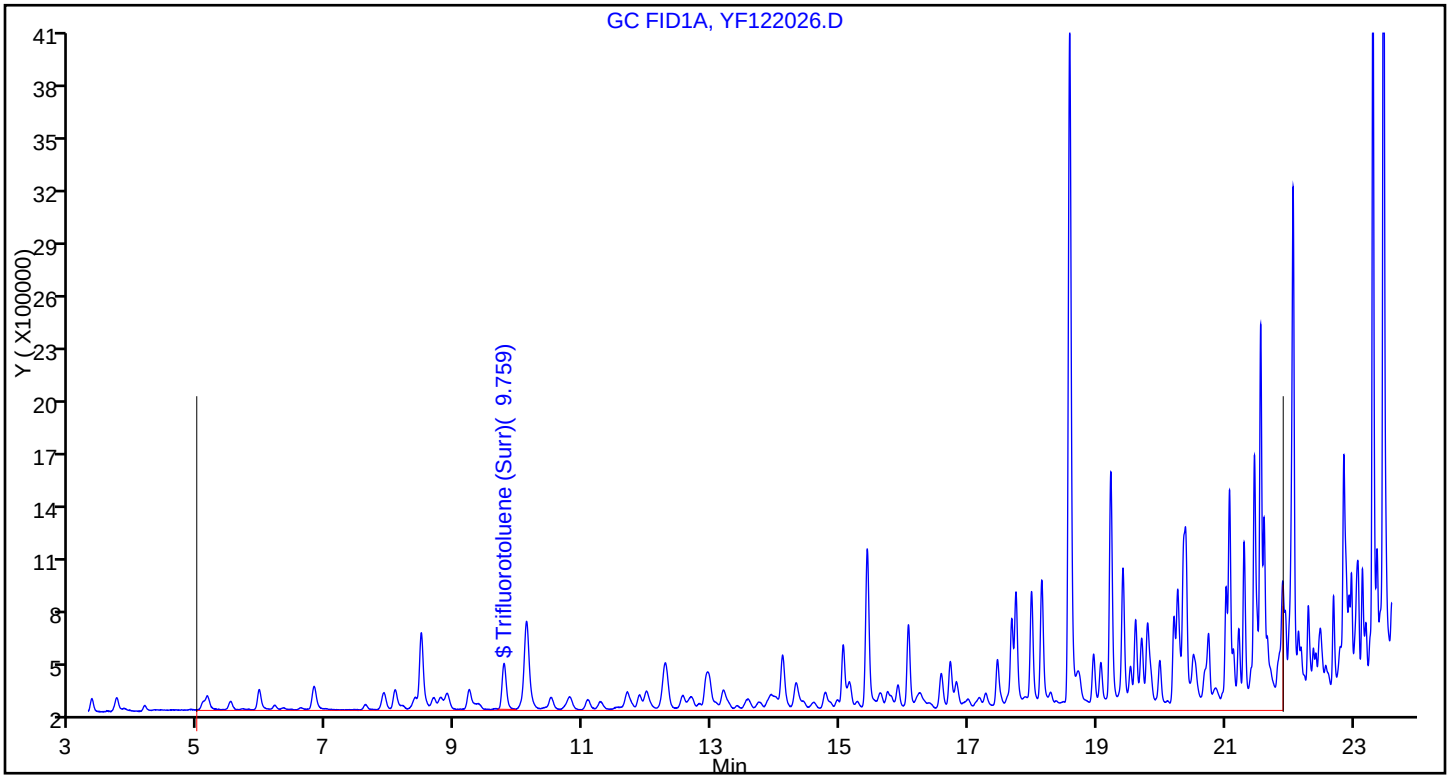


Report Date: 24-Dec-2012 09:17:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122026.D		
Injection Date:	21-Dec-2012 01:48:52	Limit Group:	GCV 8015B GRO ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	26
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

A 1 C6-C12, Detector: 2, GC FID1A



Manual Integration/User Assign Peak Report

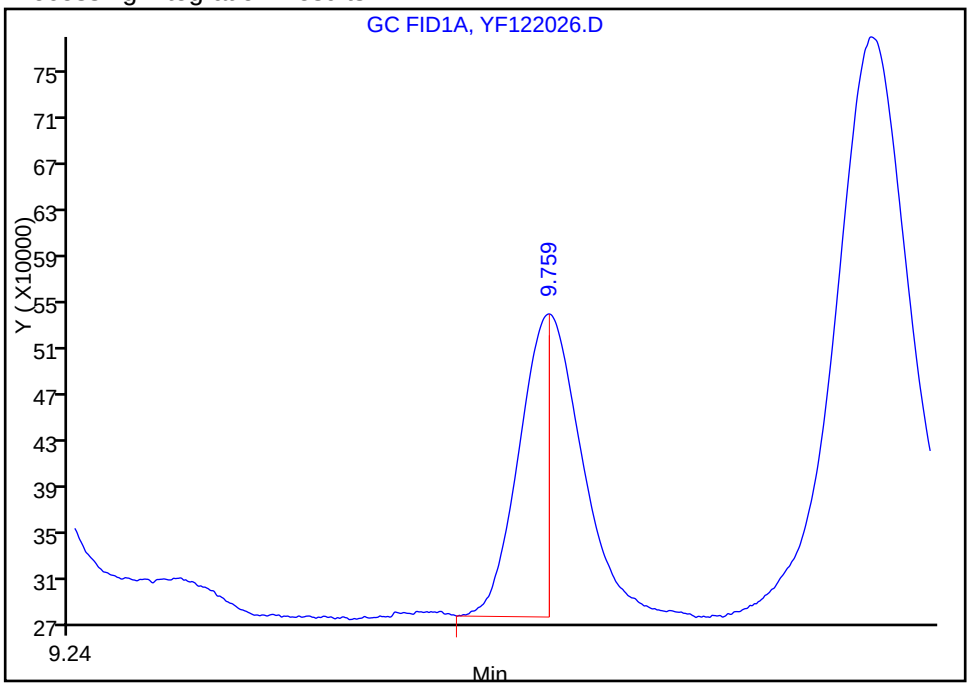
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122026.D		
Injection Date:	21-Dec-2012 01:48:52	Limit Group:	GCV 8015B GRO ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	26
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

$ 16 Trifluorotoluene (Surr), Signal: 1, Type: quant, RT: 9.76, Det: GC FID1A

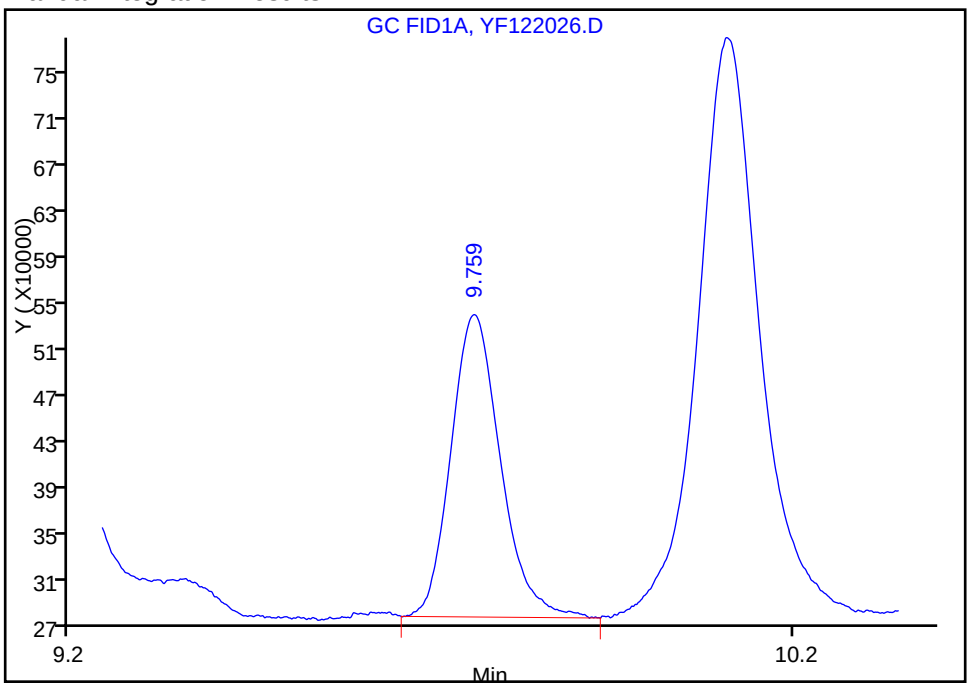
Processing Integration Results

RT: 9.76
Response: 576820
Amount: 3.752511



Manual Integration Results

RT: 9.76
Response: 1231559
Amount: 8.011925



Reviewer: bosworthh, 21-Dec-2012 07:14:03
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0056-0001-SO Lab Sample ID: 240-18581-7

Matrix: Solid Lab File ID: YF122027.D

Analysis Method: 8015B Date Collected: 12/07/2012 13:04

Sample wt/vol: 6.494(g) Date Analyzed: 12/21/2012 02:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 12.3 Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	44	U	88	44	40

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	77		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122027.D		
Lims ID:	240-18581-B-7-C	Client ID:	072SB-0056-0001-SO
Inject. Date:	21-Dec-2012 02:26:41	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016046-027		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	27
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:36	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.755	9.762	-0.007	1190100	7.74	
A 1 C6-C12	2	13.439	4.964 - 21.913		10193458	25.6	

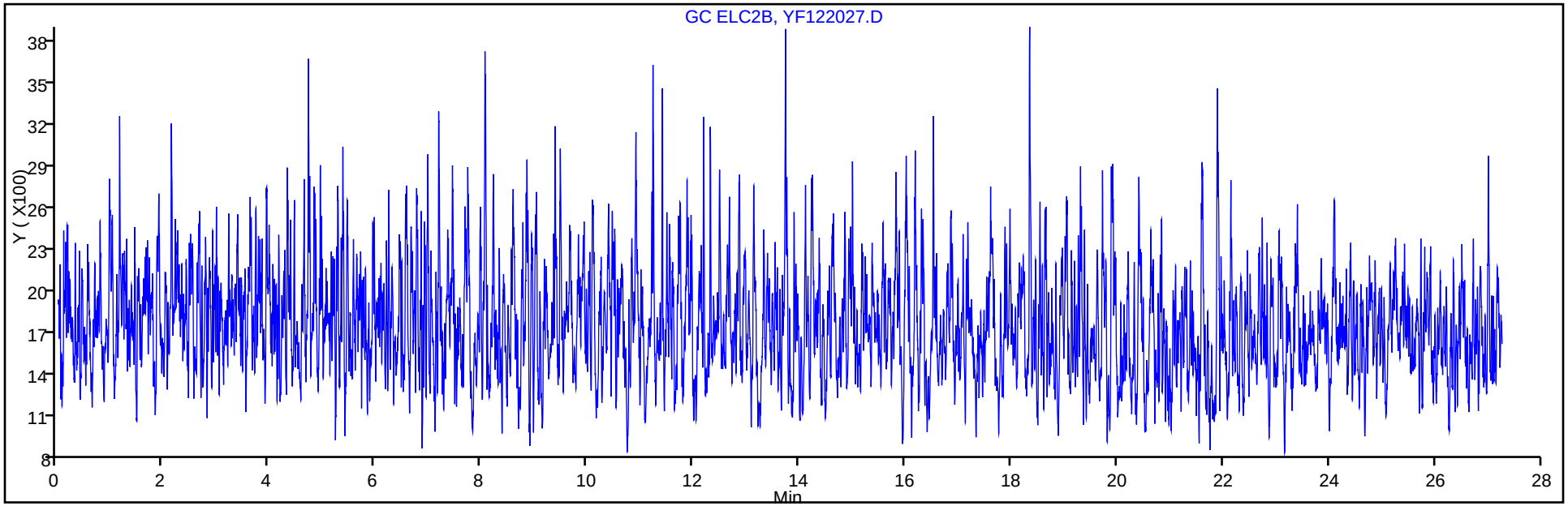
Report Date: 24-Dec-2012 09:17:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

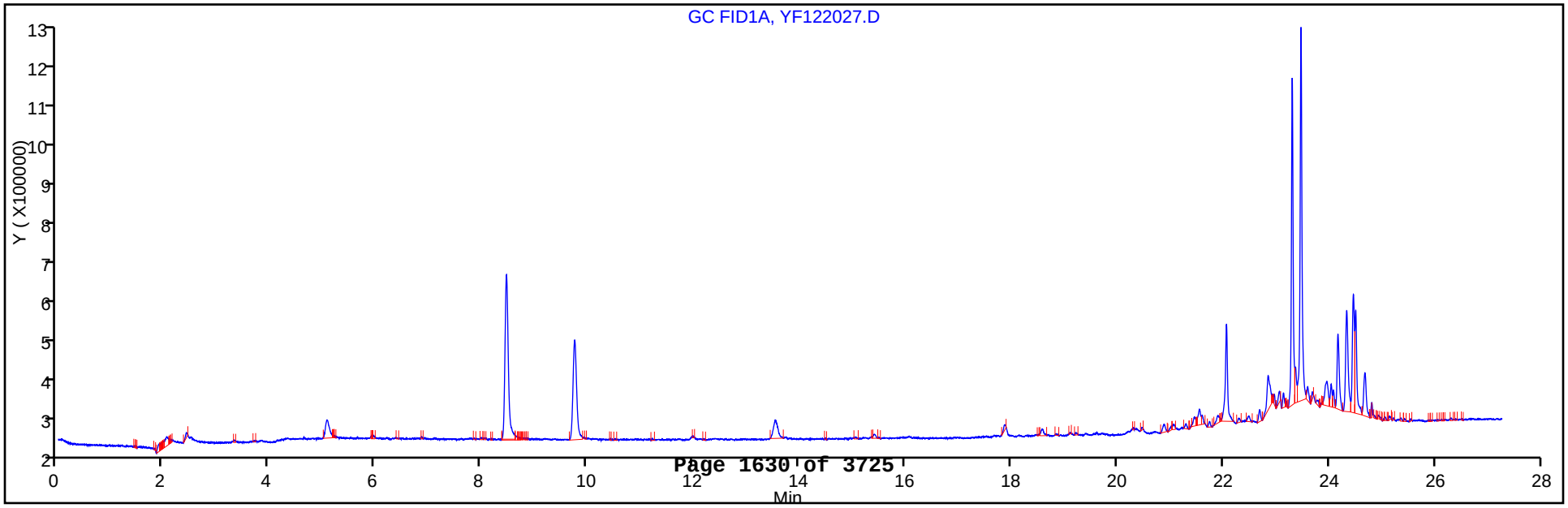
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122027.D

Injection Date:	21-Dec-2012 02:26:41	Limit Group:	GCV 8015B GRO ICAL
Client ID:	072SB-0056-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	27
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0057-0001-SO Lab Sample ID: 240-18581-8

Matrix: Solid Lab File ID: YF122028.D

Analysis Method: 8015B Date Collected: 12/07/2012 13:25

Sample wt/vol: 6.223(g) Date Analyzed: 12/21/2012 03:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 13.0 Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	46	U	92	46	42

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	70		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122028.D		
Lims ID:	240-18581-B-8-C	Client ID:	072SB-0057-0001-SO
Inject. Date:	21-Dec-2012 03:04:25	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016046-028		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	28
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:36	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.756	9.762	-0.006	1076363	7.00	
A 1 C6-C12	2		4.964 -	21.913			

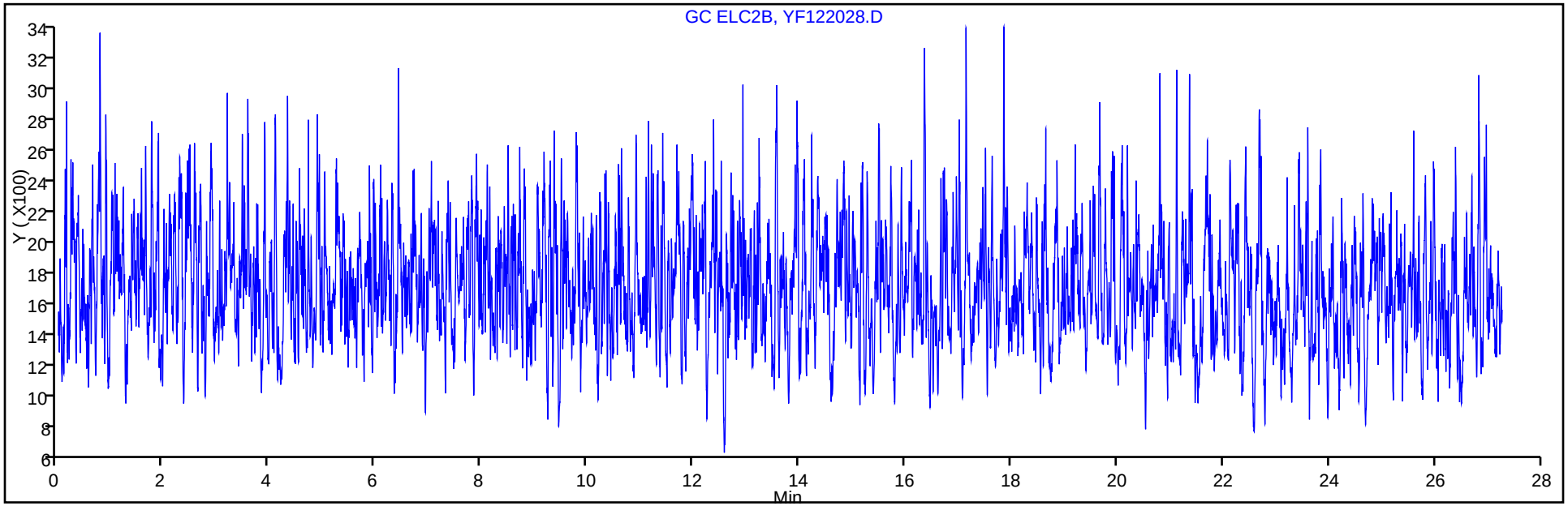
Report Date: 24-Dec-2012 09:17:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

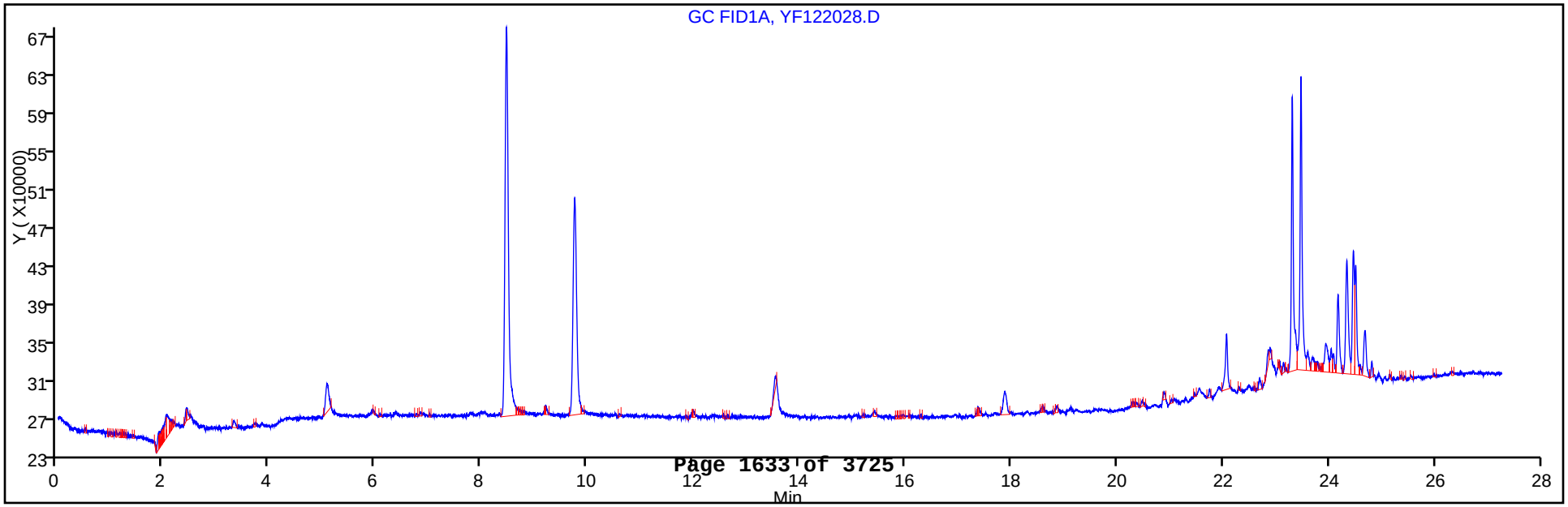
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122028.D

Injection Date:	21-Dec-2012 03:04:25	Limit Group:	GCV 8015B GRO ICAL
Client ID:	072SB-0057-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	28
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0058-0001-SO Lab Sample ID: 240-18581-9

Matrix: Solid Lab File ID: YF122029.D

Analysis Method: 8015B Date Collected: 12/07/2012 13:35

Sample wt/vol: 6.297(g) Date Analyzed: 12/21/2012 03:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 11.2 Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	45	U	89	45	41

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	79		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122029.D		
Lims ID:	240-18581-B-9-C	Client ID:	072SB-0058-0001-SO
Inject. Date:	21-Dec-2012 03:42:19	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016046-029		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	29
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:36	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.755	9.762	-0.007	1217634	7.92	
A 1 C6-C12	2		4.964 -	21.913			

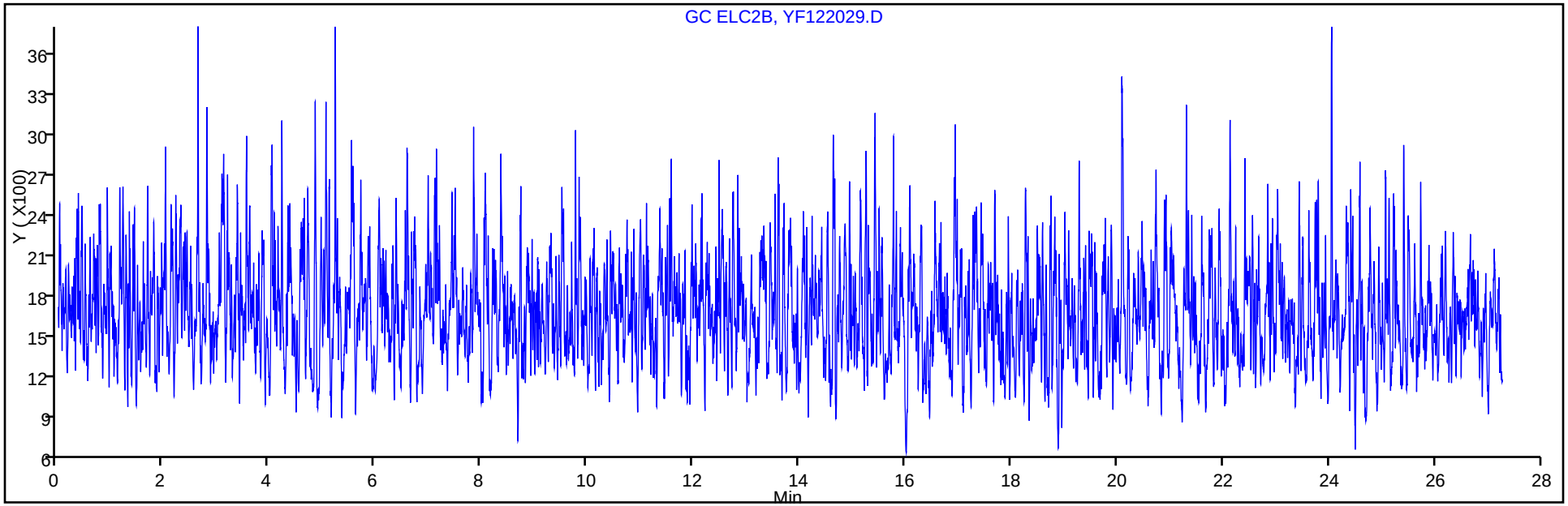
Report Date: 24-Dec-2012 09:17:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

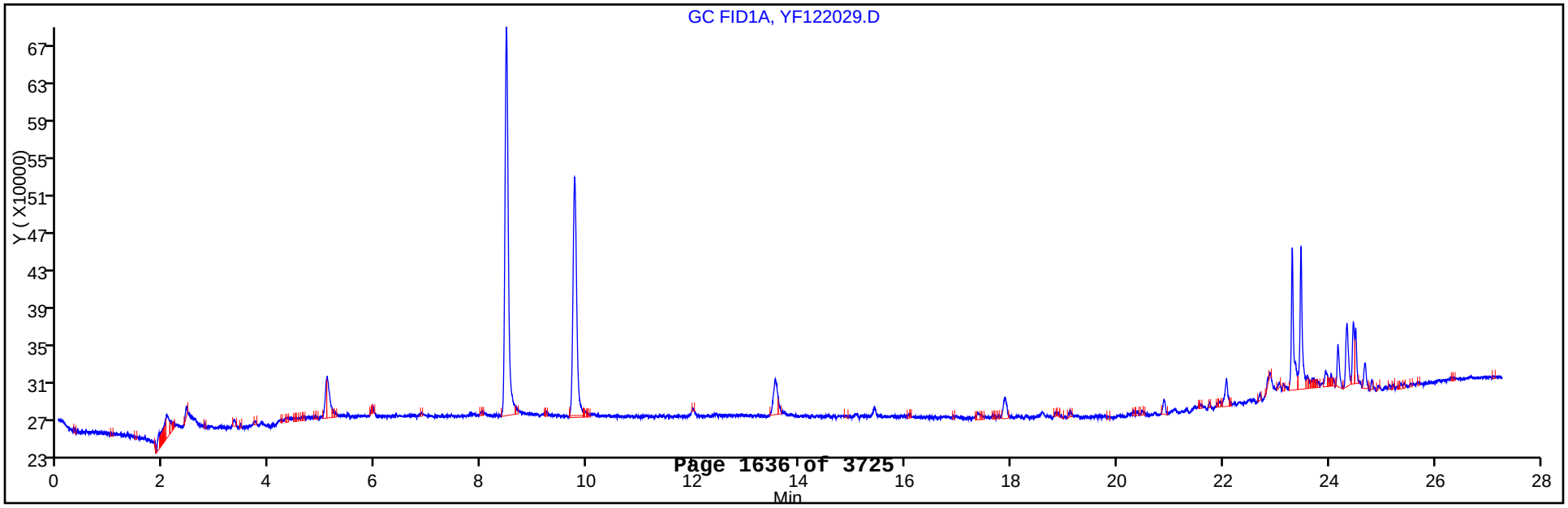
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122029.D

Injection Date:	21-Dec-2012 03:42:19	Limit Group:	GCV 8015B GRO ICAL
Client ID:	072SB-0058-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	29
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0059-0001-SO Lab Sample ID: 240-18581-10

Matrix: Solid Lab File ID: YF122030.D

Analysis Method: 8015B Date Collected: 12/07/2012 13:37

Sample wt/vol: 6.228(g) Date Analyzed: 12/21/2012 04:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 10.8 Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	45	U	90	45	41

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	78		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122030.D		
Lims ID:	240-18581-B-10-C	Client ID:	072SB-0059-0001-SO
Inject. Date:	21-Dec-2012 04:20:07	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016046-030		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	30
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:36	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

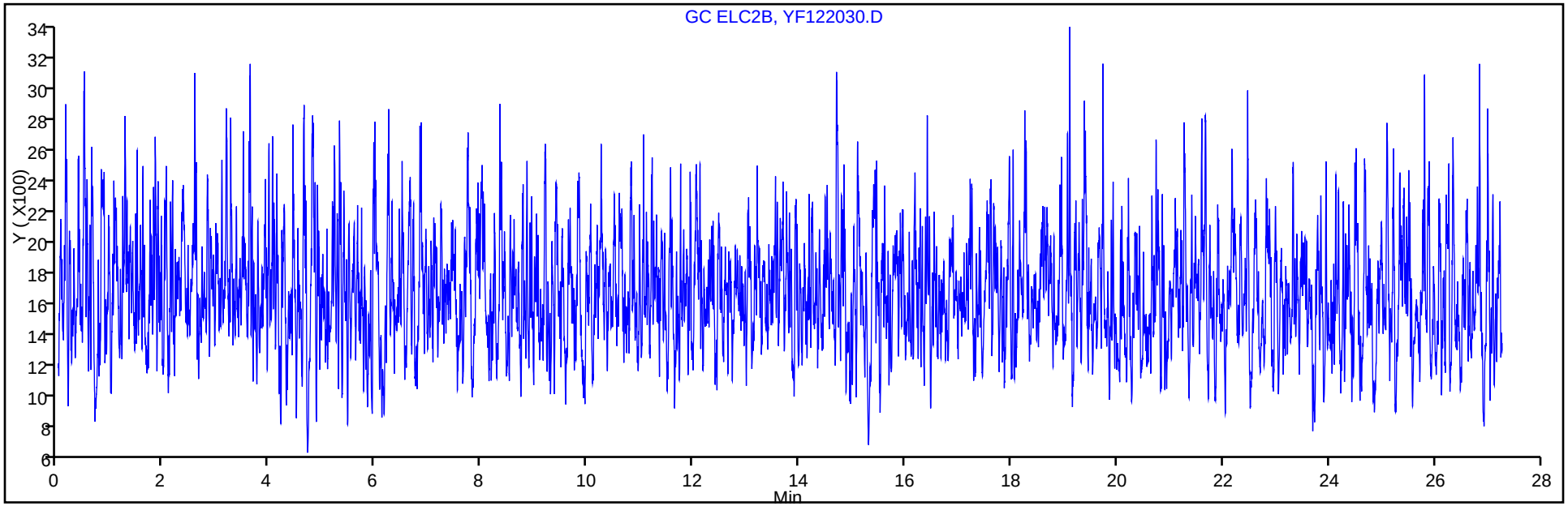
Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.762	-0.005	1195098	7.77	
A 1 C6-C12	2		4.964 -	21.913			

Report Date: 24-Dec-2012 09:17:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

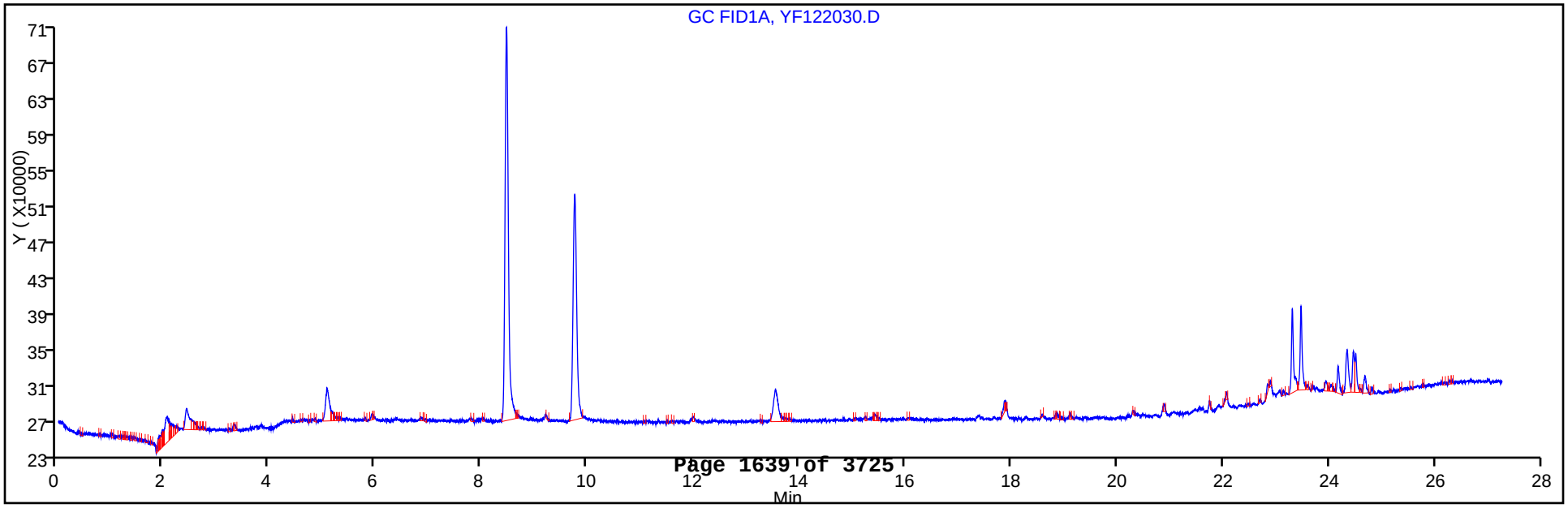
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122030.D		
Injection Date:	21-Dec-2012 04:20:07	Limit Group:	GCV 8015B GRO ICAL
Client ID:	072SB-0059-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	30
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0060-0001-SO Lab Sample ID: 240-18581-11

Matrix: Solid Lab File ID: YF122031.D

Analysis Method: 8015B Date Collected: 12/07/2012 13:45

Sample wt/vol: 6.613(g) Date Analyzed: 12/21/2012 04:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 9.7 Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	42	U	84	42	39

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	79		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122031.D		
Lims ID:	240-18581-B-11-C	Client ID:	072SB-0060-0001-SO
Inject. Date:	21-Dec-2012 04:58:45	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016046-031		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	31
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:36	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.752	9.762	-0.010	1208383	7.86	
A 1 C6-C12	2		4.964 -	21.913			

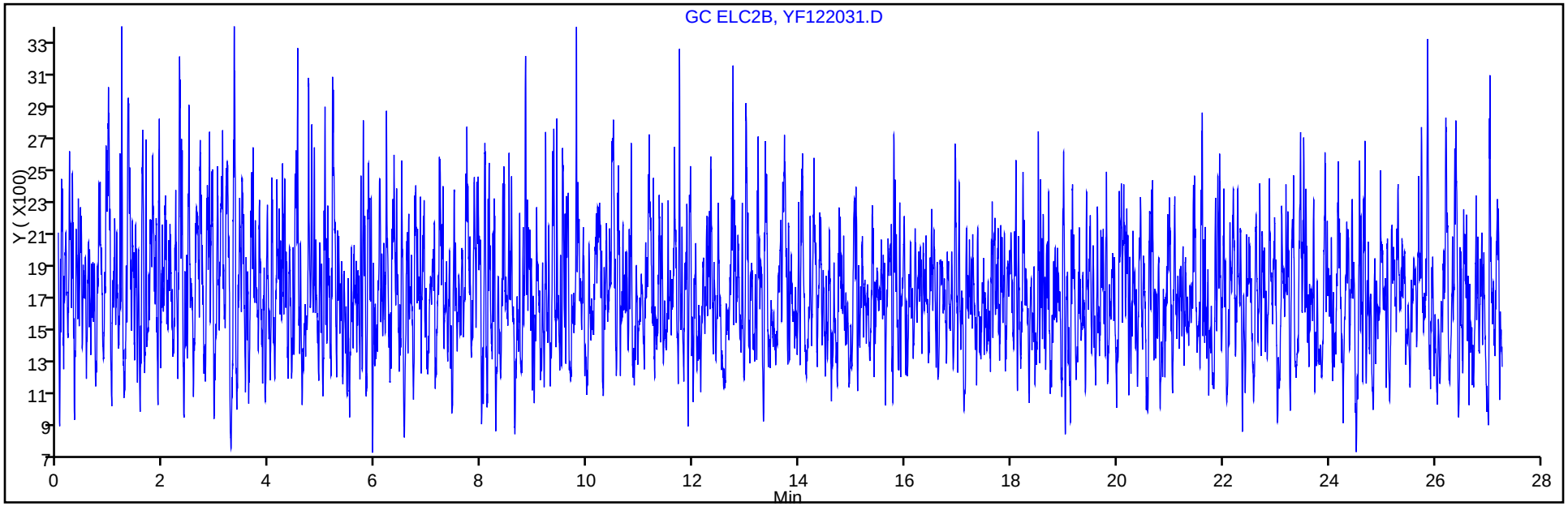
Report Date: 24-Dec-2012 09:17:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

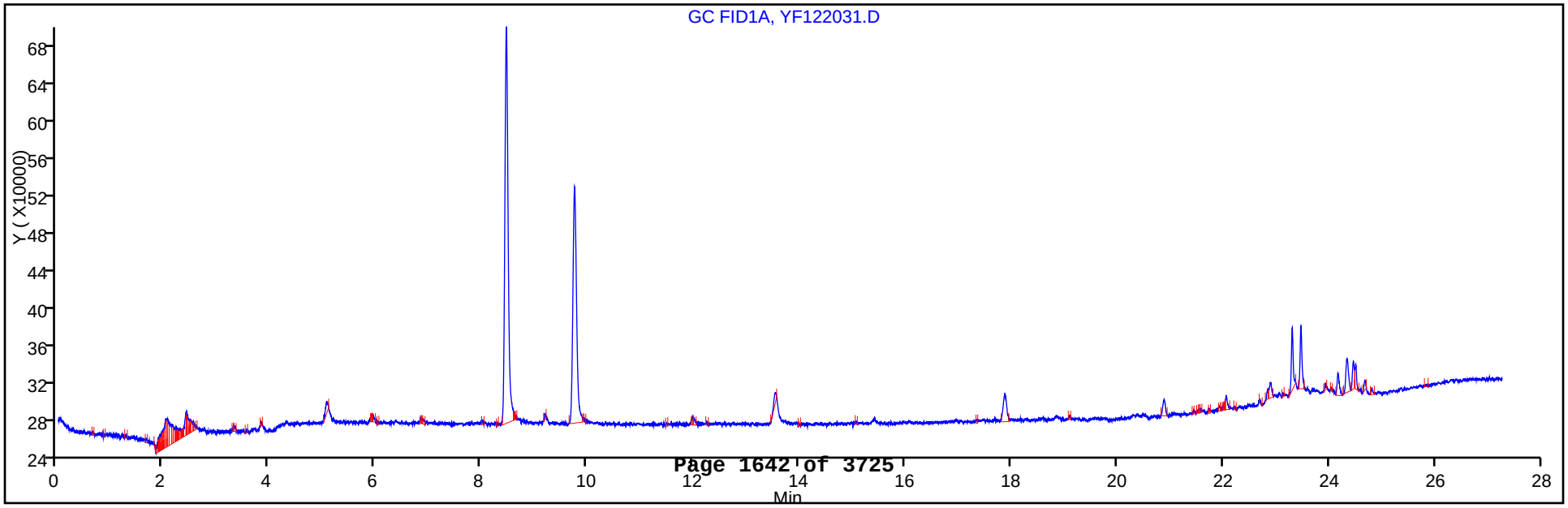
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122031.D

Injection Date:	21-Dec-2012 04:58:45	Limit Group:	GCV 8015B GRO ICAL
Client ID:	072SB-0060-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	31
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0070-0001-SO Lab Sample ID: 240-18581-13

Matrix: Solid Lab File ID: YF122032.D

Analysis Method: 8015B Date Collected: 12/07/2012 14:20

Sample wt/vol: 6.089(g) Date Analyzed: 12/21/2012 05:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 11.0 Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	46	U	92	46	42

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	75		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122032.D		
Lims ID:	240-18581-B-13-C	Client ID:	072SB-0070-0001-SO
Inject. Date:	21-Dec-2012 05:36:40	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016046-032		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	32
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:36	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.755	9.762	-0.007	1158421	7.54	
A 1 C6-C12	2		4.964 -	21.913			

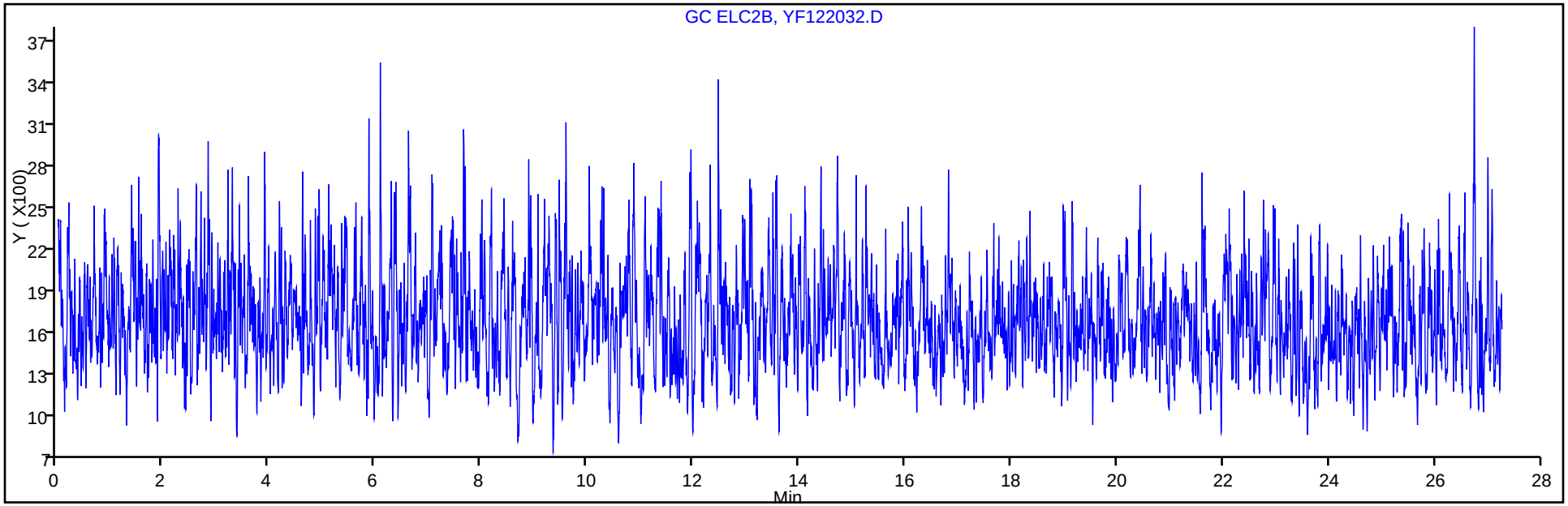
Report Date: 24-Dec-2012 09:17:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

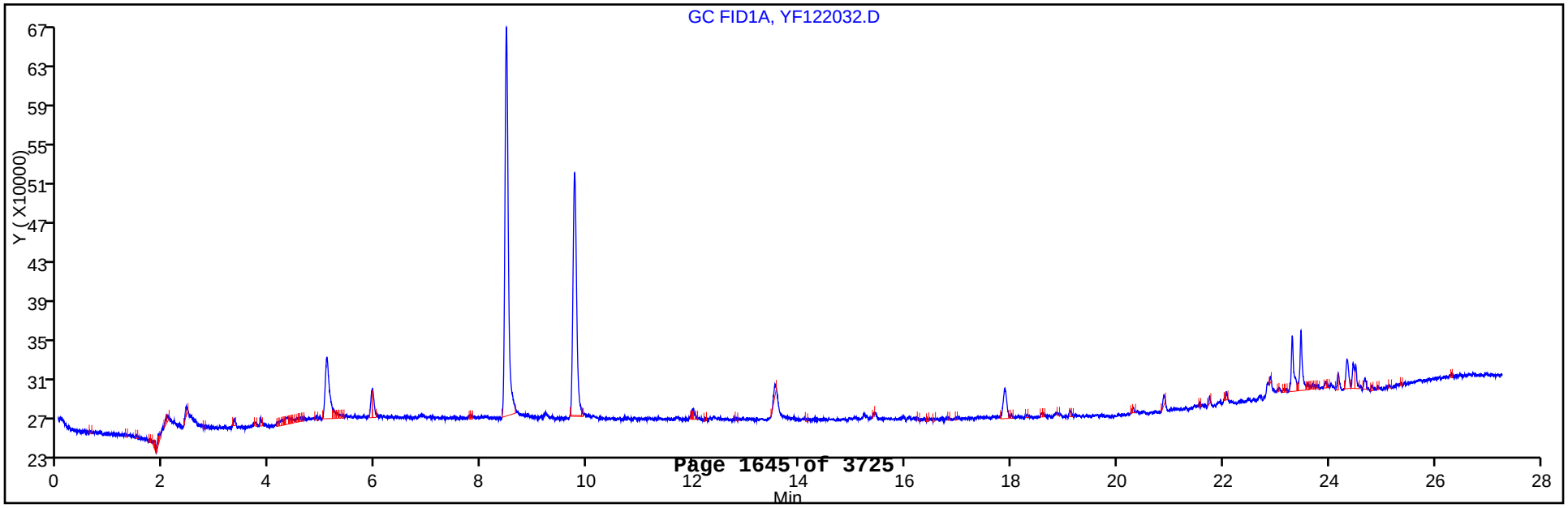
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122032.D

Injection Date:	21-Dec-2012 05:36:40	Limit Group:	GCV 8015B GRO ICAL
Client ID:	072SB-0070-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	32
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0071-0001-SO Lab Sample ID: 240-18581-14

Matrix: Solid Lab File ID: YF122034.D

Analysis Method: 8015B Date Collected: 12/07/2012 14:40

Sample wt/vol: 6.168(g) Date Analyzed: 12/21/2012 06:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 12.0 Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	46	U	92	46	42

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	75		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122034.D		
Lims ID:	240-18581-B-14-C	Client ID:	072SB-0071-0001-SO
Inject. Date:	21-Dec-2012 06:51:58	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016046-034		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	34
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:52	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.754	9.759	-0.005	1153436	7.50	
A 1 C6-C12	2		4.964 -	21.913			

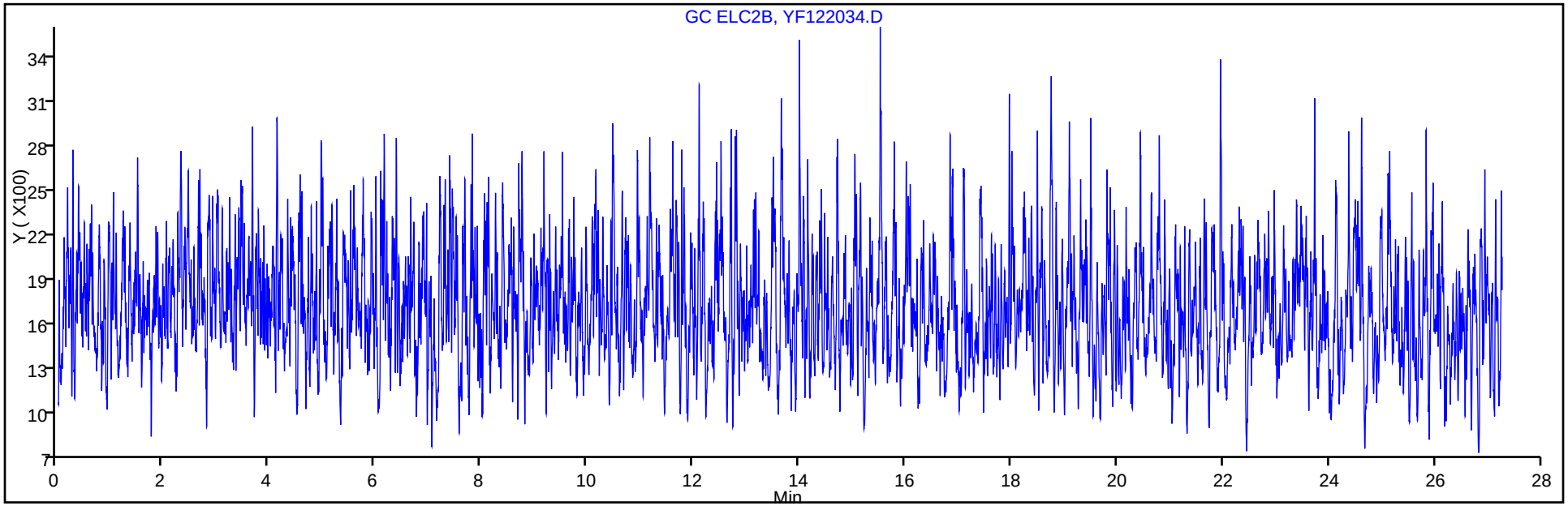
Report Date: 24-Dec-2012 09:17:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

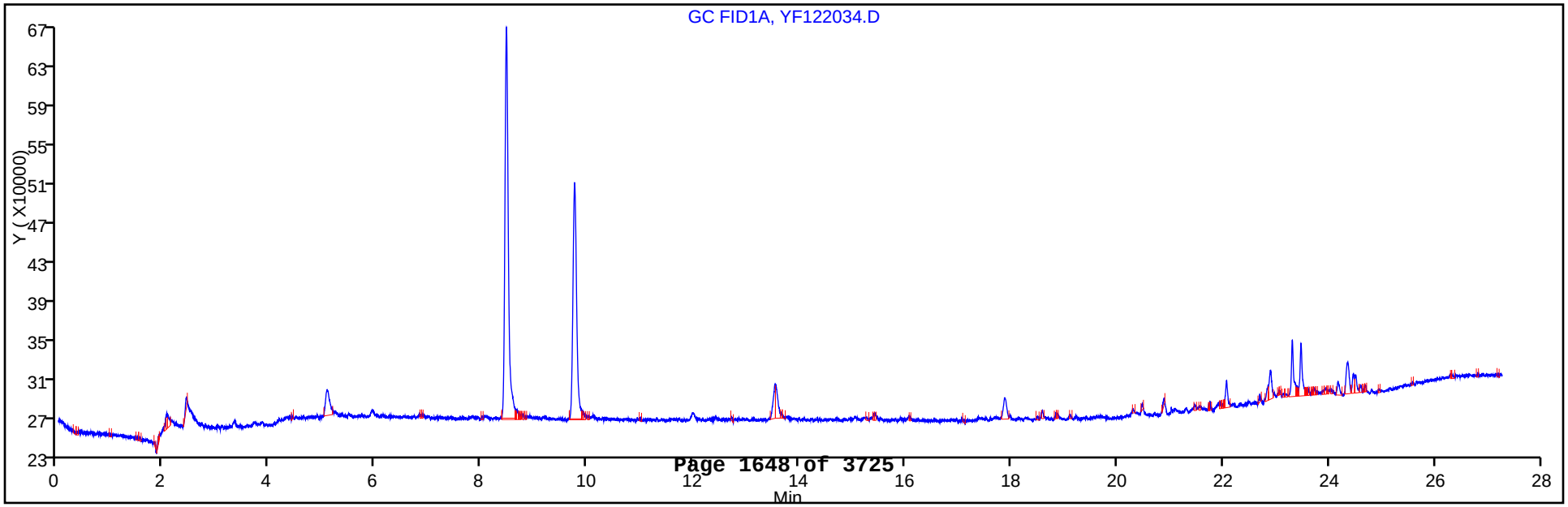
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122034.D

Injection Date:	21-Dec-2012 06:51:58	Limit Group:	GCV 8015B GRO ICAL
Client ID:	072SB-0071-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	34
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0072-0001-SO Lab Sample ID: 240-18581-15

Matrix: Solid Lab File ID: YF122035.D

Analysis Method: 8015B Date Collected: 12/07/2012 14:55

Sample wt/vol: 4.862(g) Date Analyzed: 12/21/2012 07:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 13.7 Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	60	U	120	60	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	74		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122035.D		
Lims ID:	240-18581-B-15-C	Client ID:	072SB-0072-0001-SO
Inject. Date:	21-Dec-2012 07:29:48	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016046-035		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	35
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:52	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.759	-0.002	1143359	7.44	
A 1 C6-C12	2		4.964 -	21.913			

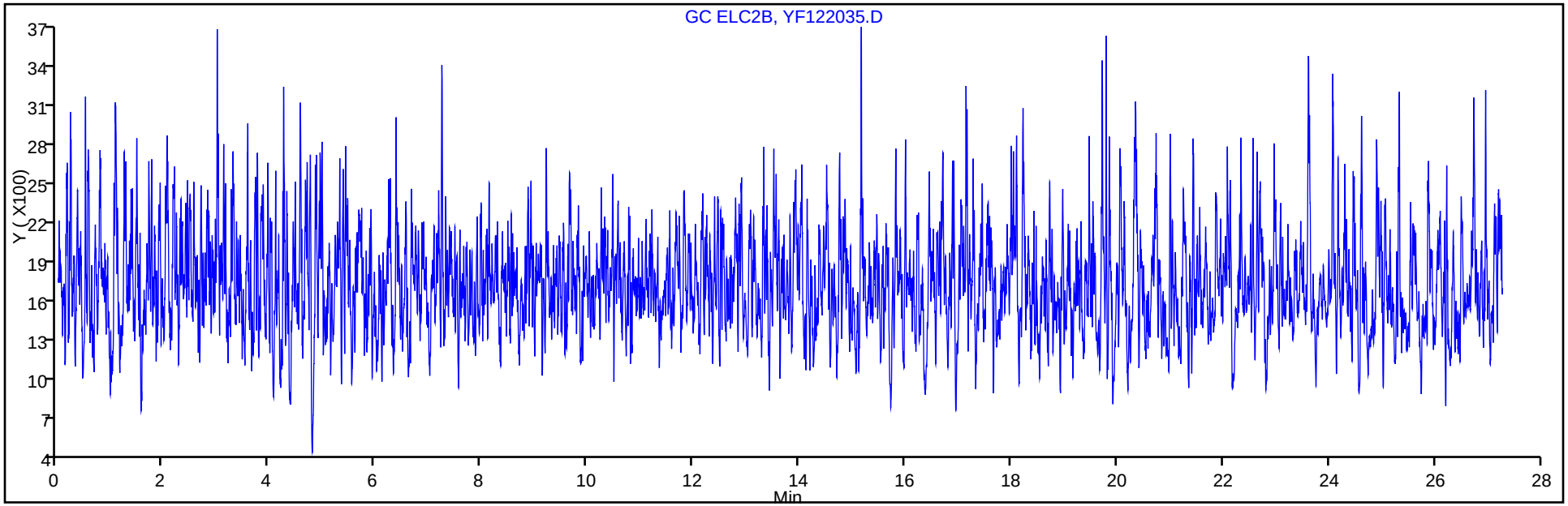
Report Date: 24-Dec-2012 09:17:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

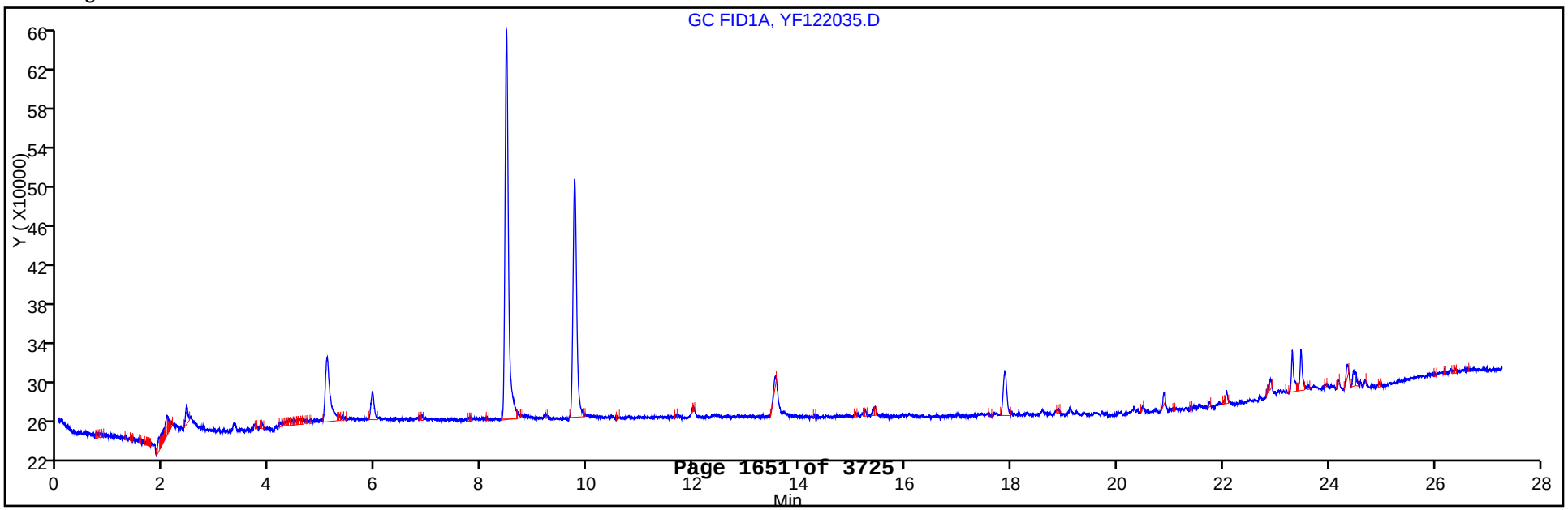
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122035.D

Injection Date:	21-Dec-2012 07:29:48	Limit Group:	GCV 8015B GRO ICAL
Client ID:	072SB-0072-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	35
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0073-0001-SO Lab Sample ID: 240-18581-16

Matrix: Solid Lab File ID: YF122036.D

Analysis Method: 8015B Date Collected: 12/07/2012 15:05

Sample wt/vol: 6.23(g) Date Analyzed: 12/21/2012 08:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 12.7 Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	46	U	92	46	42

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	72		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122036.D		
Lims ID:	240-18581-B-16-C	Client ID:	072SB-0073-0001-SO
Inject. Date:	21-Dec-2012 08:07:19	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016046-036		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	36
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:52	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.754	9.759	-0.005	1112293	7.24	
A 1 C6-C12	2		4.964 -	21.913			

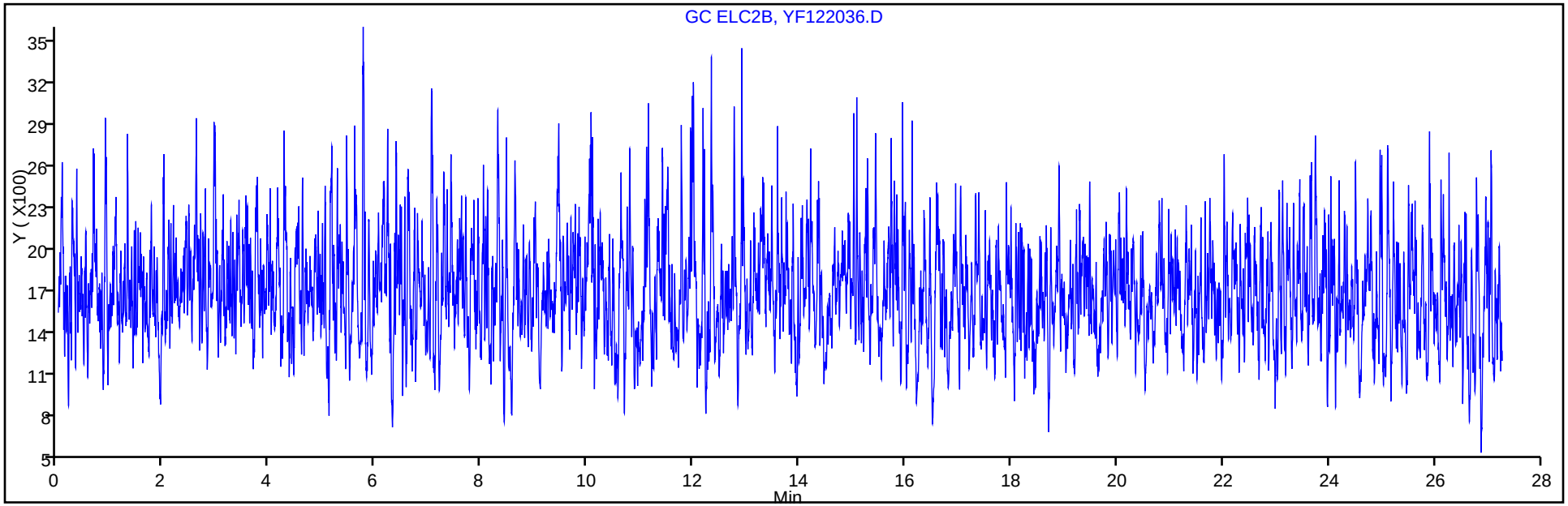
Report Date: 24-Dec-2012 09:17:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

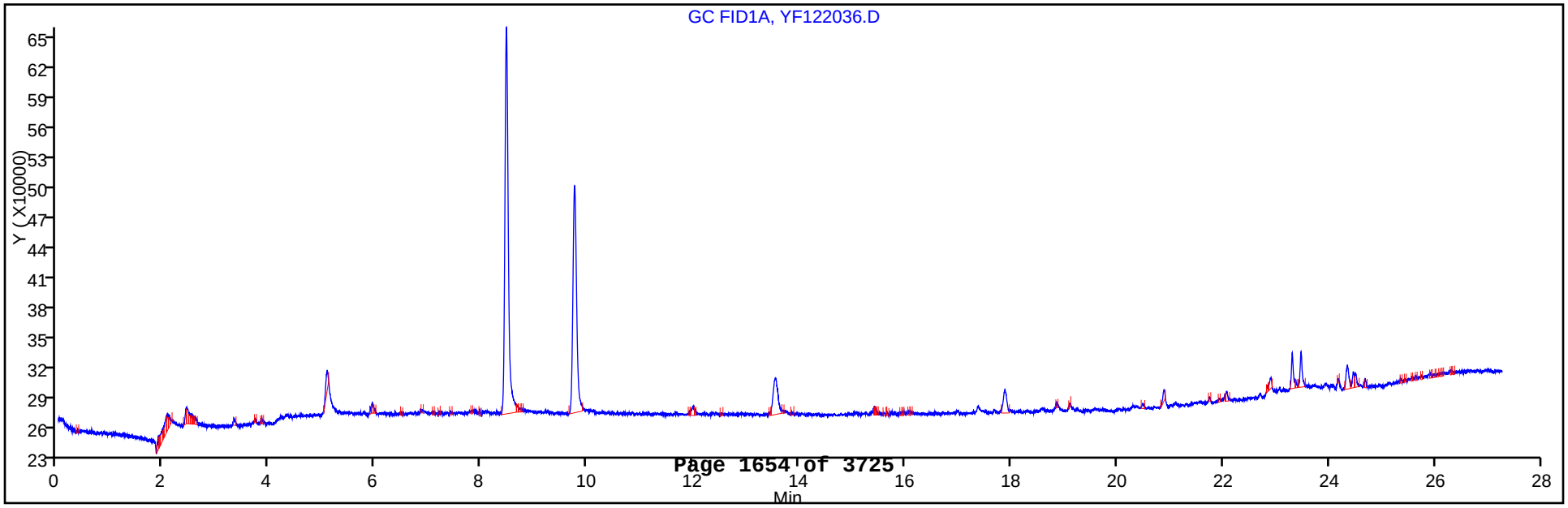
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122036.D

Injection Date:	21-Dec-2012 08:07:19	Limit Group:	GCV 8015B GRO ICAL
Client ID:	072SB-0073-0001-SO	Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	36
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 54511

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-54511/6	YF081506.D
Level 2	STD2 240-54511/7	YF081507.D
Level 3	STD3 240-54511/8	YF081508.D
Level 4	STD4 240-54511/9	YF081509.D
Level 5	STD5 240-54511/10	YF081510.D
Level 6	STD6 240-54511/11	YF081511.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
C6-C10	11.760	11.760	11.760	11.760	11.760	11.760					4.755 - 18.765	11.760
C6-C12	13.426	13.426	13.426	13.426	13.426	13.426					4.855 - 21.997	13.426
Trifluorotoluene (Surr)	9.711	9.710	9.713	9.708	9.711	9.712					9.463 - 9.963	9.711

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 54511

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-54511/6	YF081506.D
Level 2	STD2 240-54511/7	YF081507.D
Level 3	STD3 240-54511/8	YF081508.D
Level 4	STD4 240-54511/9	YF081509.D
Level 5	STD5 240-54511/10	YF081510.D
Level 6	STD6 240-54511/11	YF081511.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
C6-C10	183542 118119	135498 128955	126511	123496	Ave		136019.970				18.0		20.0			
C6-C12	255673 133903	170408 145976	149081	141314	Lin	6701438.48	136365.157							0.9940		0.9900
Trifluorotoluene (Surr)	136571 165376	137906 183597	145025	153818	Ave		153715.733				12.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 54511

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-54511/6	YF081506.D
Level 2	STD2 240-54511/7	YF081507.D
Level 3	STD3 240-54511/8	YF081508.D
Level 4	STD4 240-54511/9	YF081509.D
Level 5	STD5 240-54511/10	YF081510.D
Level 6	STD6 240-54511/11	YF081511.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
C6-C10	Ave	18354154 206328514	27099537	50604228	98796615	141742722	100 1600	200	400	800	1200
C6-C12	Lin	25567346 233562173	34081672	59632568	113051081	160683965	100 1600	200	400	800	1200
Trifluorotoluene (Surr)	Ave	1365710 1835973	1379064	1450251	1538182	1653764	10.0 10.0	10.0	10.0	10.0	10.0

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081506.D		
Lims ID:	STD1 GAS	Client ID:	
Inject. Date:	15-Aug-2012 18:36:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0012413-006		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	6
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:24	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

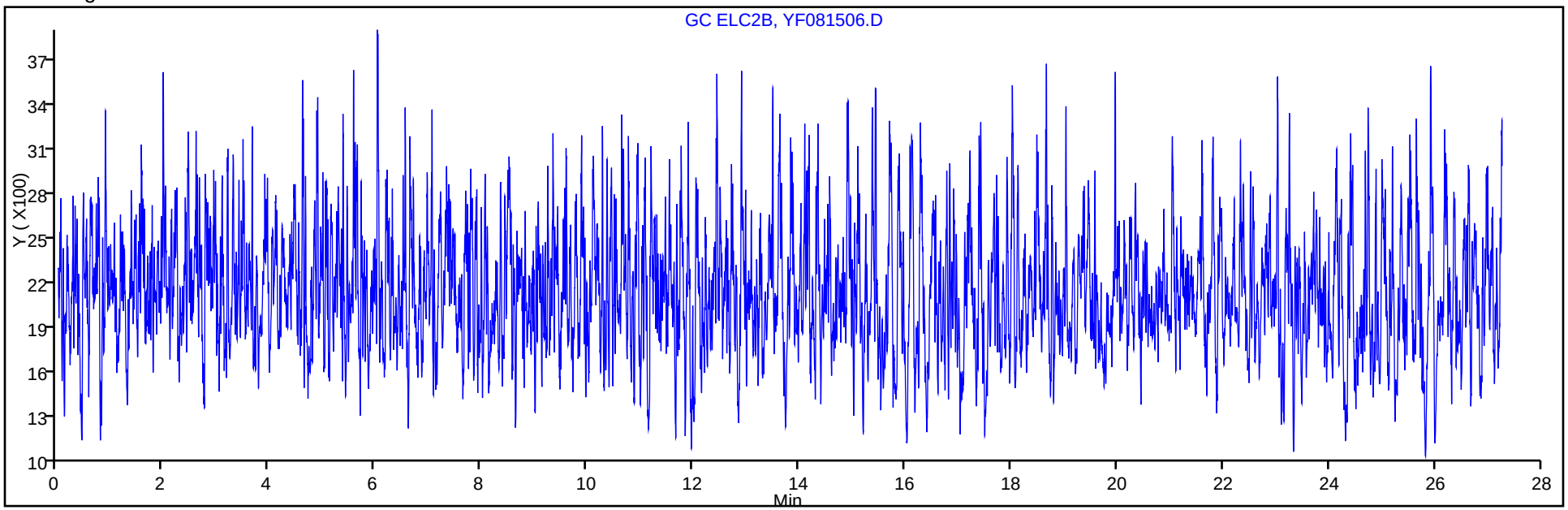
Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.711	9.713	-0.002	1365710	8.88	
A 5 C6-C10	2	11.760	4.755 -	18.765	18354154	134.9	
A 1 C6-C12	2	13.426	4.855 -	21.997	25567346	138.3	

Report Date: 16-Aug-2012 12:49:25 Chrom Revision: 2.0 17-Jul-2012 17:32:54

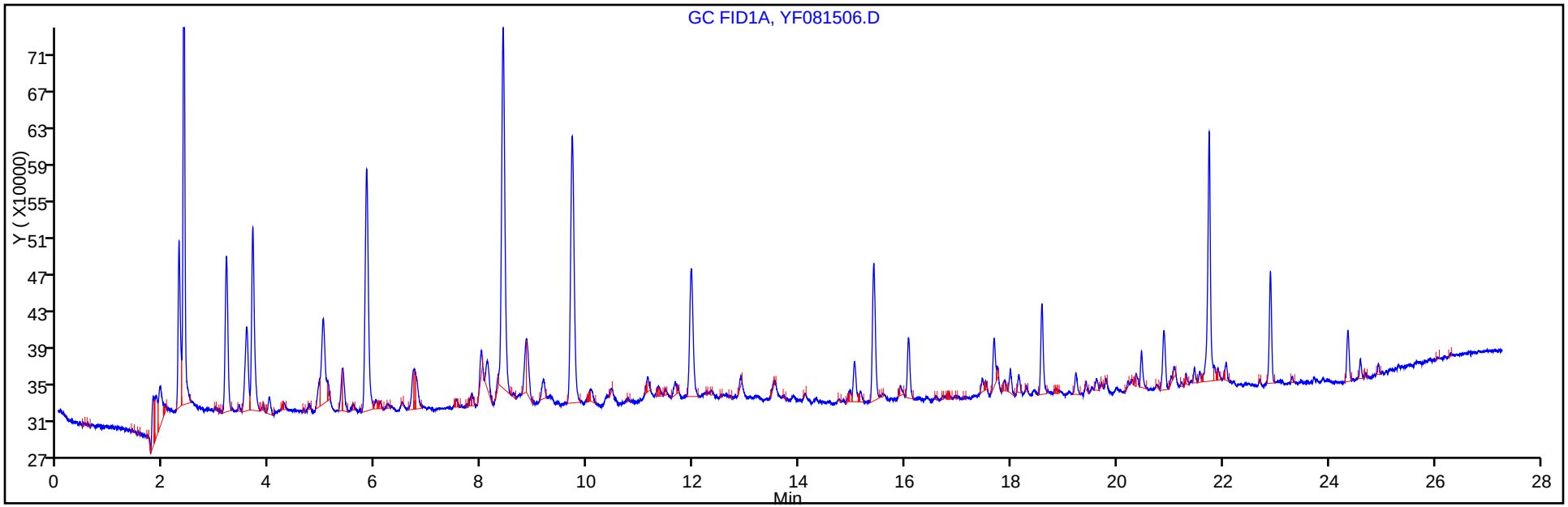
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081506.D

Injection Date:	15-Aug-2012 18:36:54	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	54511	Lims Sample ID:	6
Operator ID:	1765		

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081507.D		
Lims ID:	STD2 GAS	Client ID:	
Inject. Date:	15-Aug-2012 19:17:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0012413-007		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	7
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:28	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

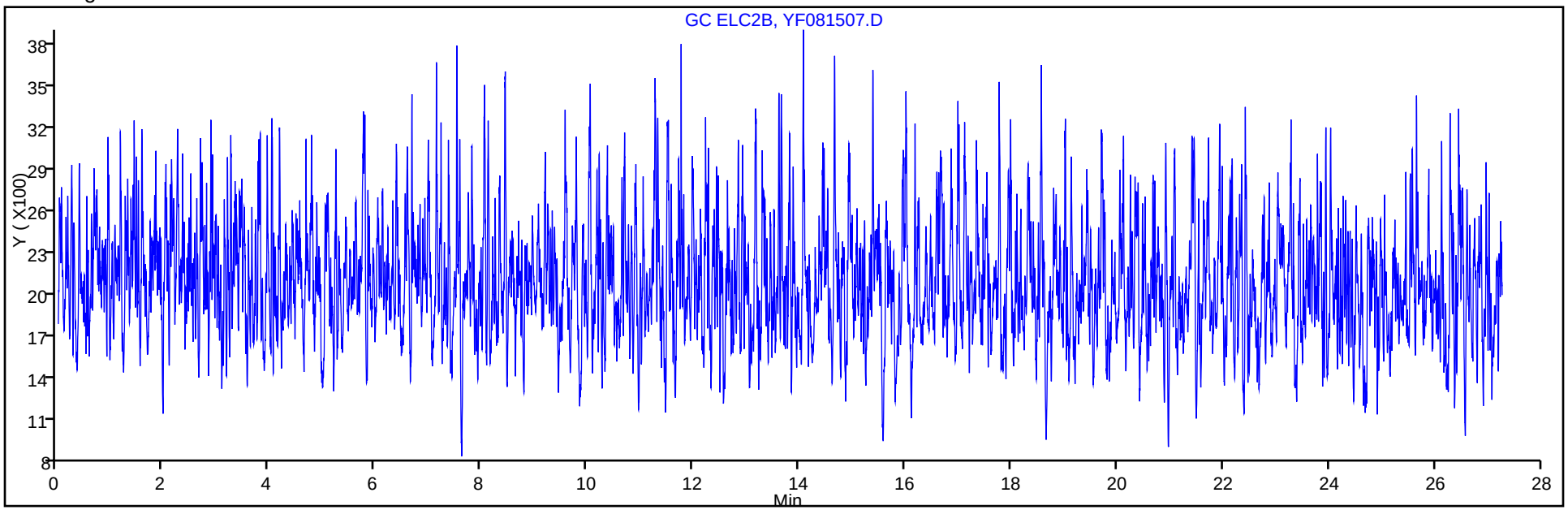
Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.710	9.713	-0.003	1379064	8.97	
A 5 C6-C10	2	11.760	4.755 -	18.765	27099537	199.2	
A 1 C6-C12	2	13.426	4.855 -	21.997	34081672	200.8	

Report Date: 16-Aug-2012 12:49:28 Chrom Revision: 2.0 17-Jul-2012 17:32:54

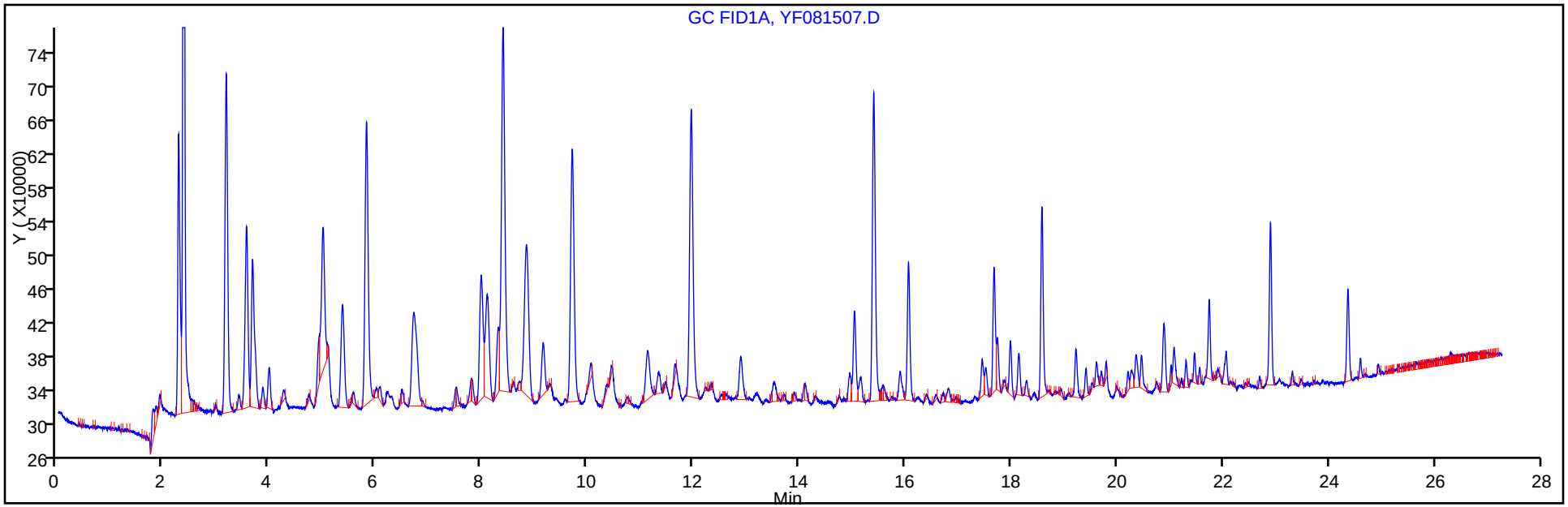
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081507.D

Injection Date:	15-Aug-2012 19:17:42	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	54511	Lims Sample ID:	7
Operator ID:	1765		

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081508.D		
Lims ID:	STD3 GAS	Client ID:	
Inject. Date:	15-Aug-2012 19:58:01	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0012413-008		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	8
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:32	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

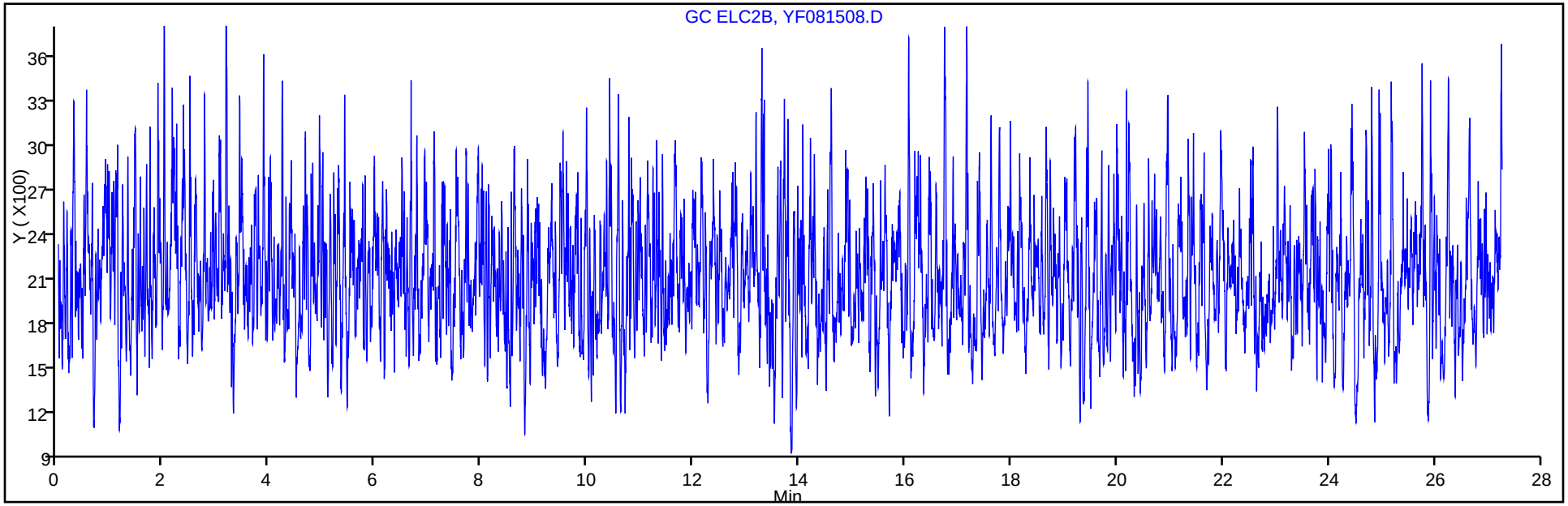
Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.713	9.713	0.0	1450251	9.43	
A 5 C6-C10	2	11.760	4.755 -	18.765	50604228	372.0	
A 1 C6-C12	2	13.426	4.855 -	21.997	59632568	388.2	

Report Date: 16-Aug-2012 12:49:32 Chrom Revision: 2.0 17-Jul-2012 17:32:54

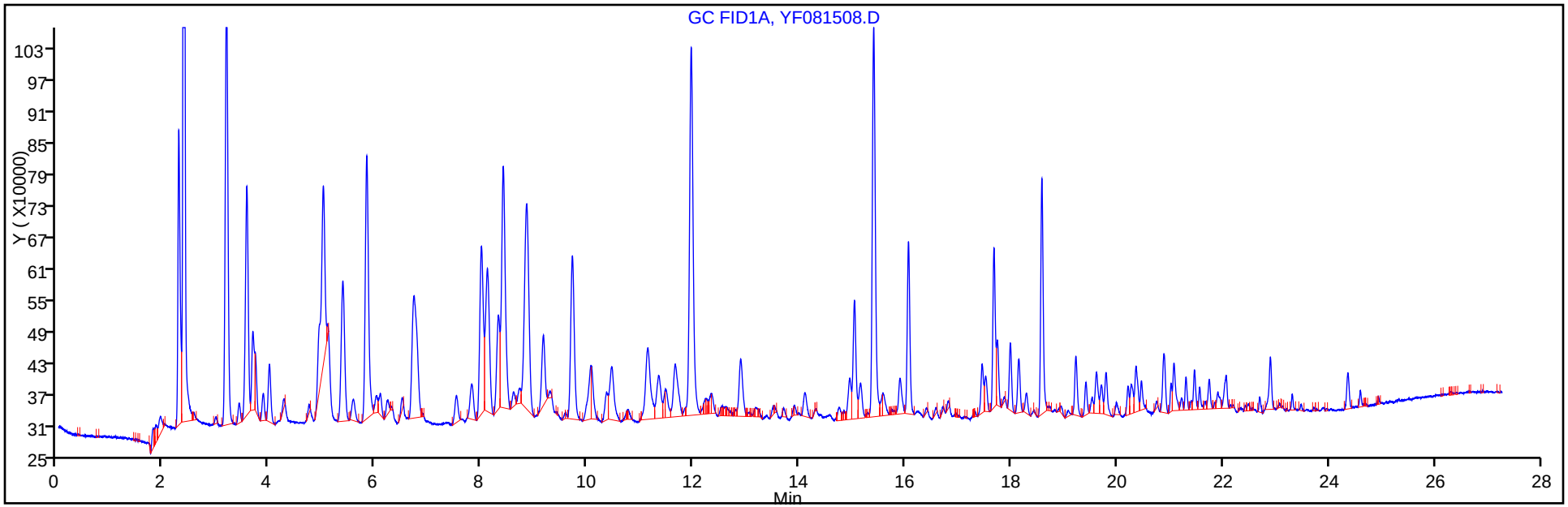
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081508.D

Injection Date:	15-Aug-2012 19:58:01	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	54511	Lims Sample ID:	8
Operator ID:	1765		

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081509.D		
Lims ID:	STD4 GAS	Client ID:	
Inject. Date:	15-Aug-2012 20:39:09	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	4
Sample ID:	240-0012413-009		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	9
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:36	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.708	9.708	0.0	1538182	10.0	
A 5 C6-C10	2	11.760	4.755 -	18.765	98796615	726.3	
A 1 C6-C12	2	13.426	4.855 -	21.997	113051081	779.9	

Report Date: 16-Aug-2012 12:49:36 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081509.D

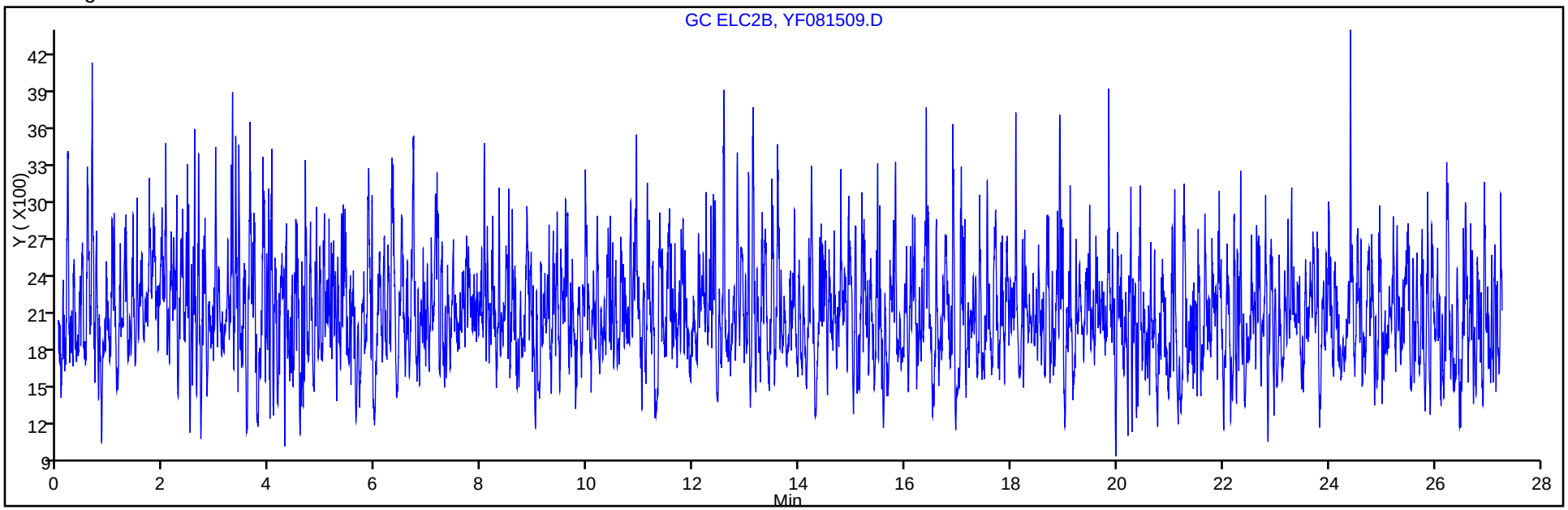
Injection Date: 15-Aug-2012 20:39:09 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

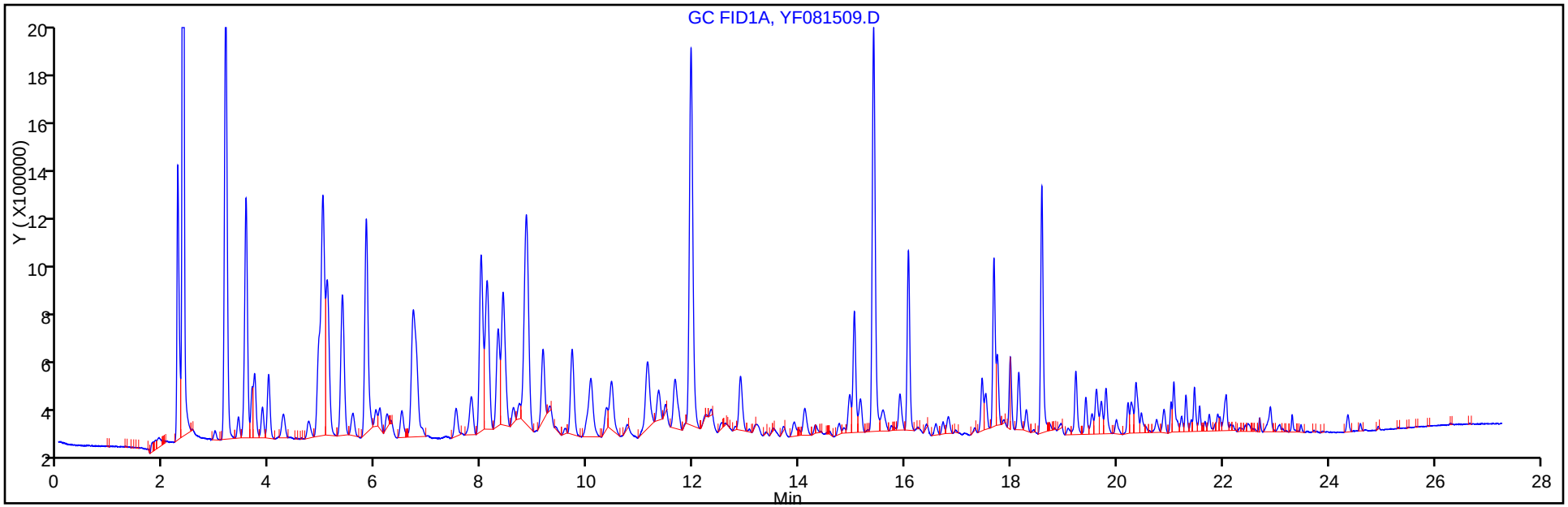
Lims Batch ID: 54511 Lims Sample ID: 9

Operator ID: 1765

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081510.D		
Lims ID:	STD5 GAS	Client ID:	
Inject. Date:	15-Aug-2012 21:19:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0012413-010		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	10
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:40	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.711	9.708	0.003	1653764	10.8	
A 5 C6-C10	2	11.760	4.755 -	18.765	141742722	1042.1	
A 1 C6-C12	2	13.426	4.855 -	21.997	160683965	1129.2	

Report Date: 16-Aug-2012 12:49:40 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081510.D

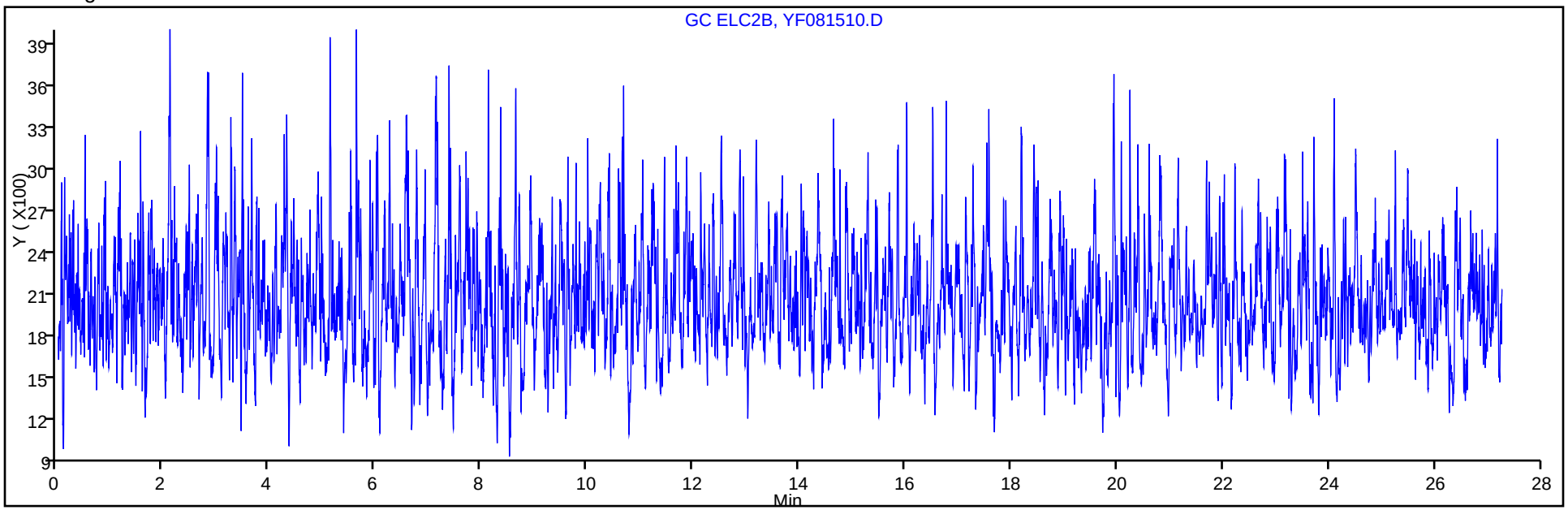
Injection Date: 15-Aug-2012 21:19:54 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

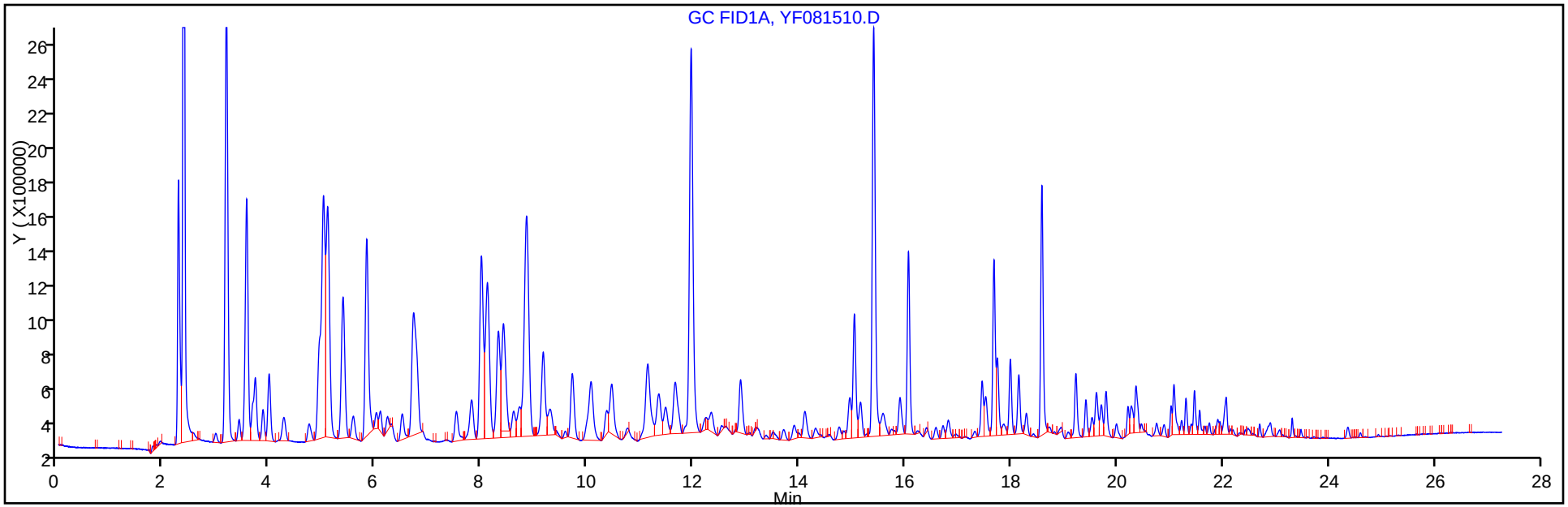
Lims Batch ID: 54511 Lims Sample ID: 10

Operator ID: 1765

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Lims ID:	STD6 GAS	Client ID:	
Inject. Date:	15-Aug-2012 22:00:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0012413-011		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	11
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:43	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.712	9.708	0.004	1835973	11.9	
A 5 C6-C10	2	11.760	4.755 -	18.765	206328514	1516.9	
A 1 C6-C12	2	13.426	4.855 -	21.997	233562173	1663.6	

Report Date: 16-Aug-2012 12:49:44 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D

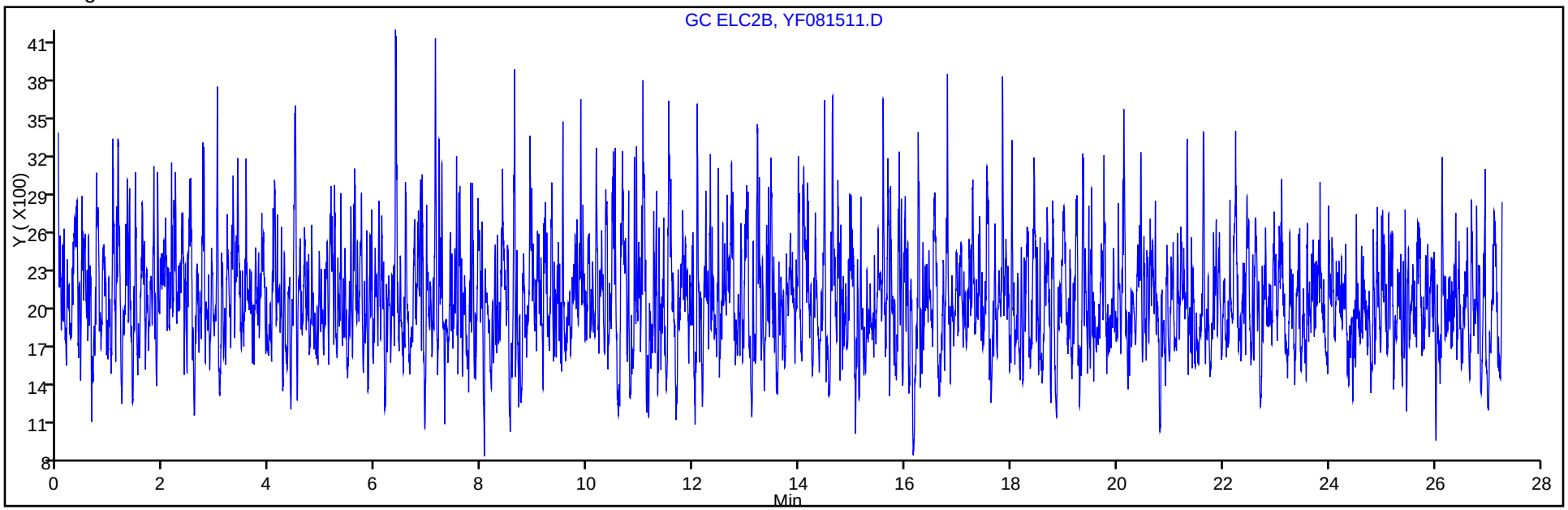
Injection Date: 15-Aug-2012 22:00:09 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

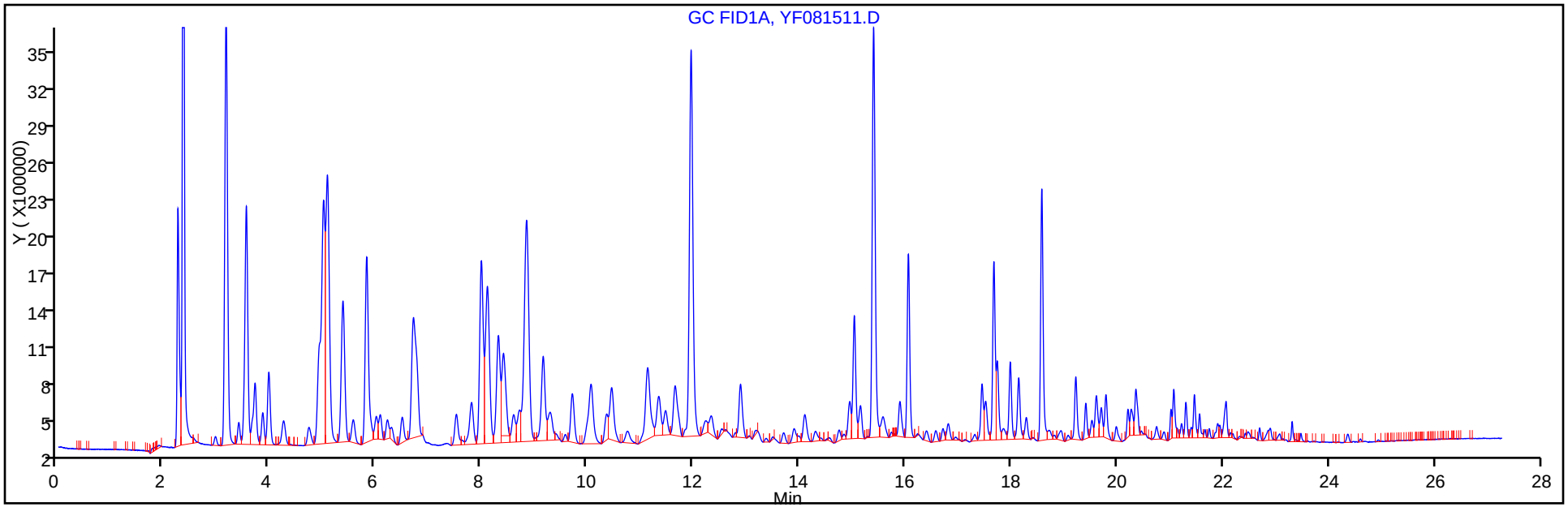
Lims Batch ID: 54511 Lims Sample ID: 11

Operator ID: 1765

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-54511/12 Calibration Date: 08/15/2012 22:40

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF081512.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	146461		861	800	7.7	20.0
C6-C12	Lin		171870		959	800	19.9	20.0
Trifluorotoluene (Surr)	Ave	153716	157910		10.3	10.0	2.7	20.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-54511/12 Calibration Date: 08/15/2012 22:40

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF081512.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.76	4.76	18.77
C6-C12	13.43	4.86	22.00
Trifluorotoluene (Surr)	9.72	9.46	9.96

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081512.D		
Lims ID:	ICV GAS	Client ID:	
Inject. Date:	15-Aug-2012 22:40:41	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0012413-012		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	12
Sublist:			
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:43	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

First Level Reviewer: bolgrind Date: 16-Aug-2012 08:25:42

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.715	9.708	0.007	1579095	10.3	
A 5 C6-C10	2	11.760	4.755 -	18.765	117168930	861.4	
A 1 C6-C12	2	13.426	4.855 -	21.997	137496376	959.2	

Report Date: 16-Aug-2012 12:49:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081512.D

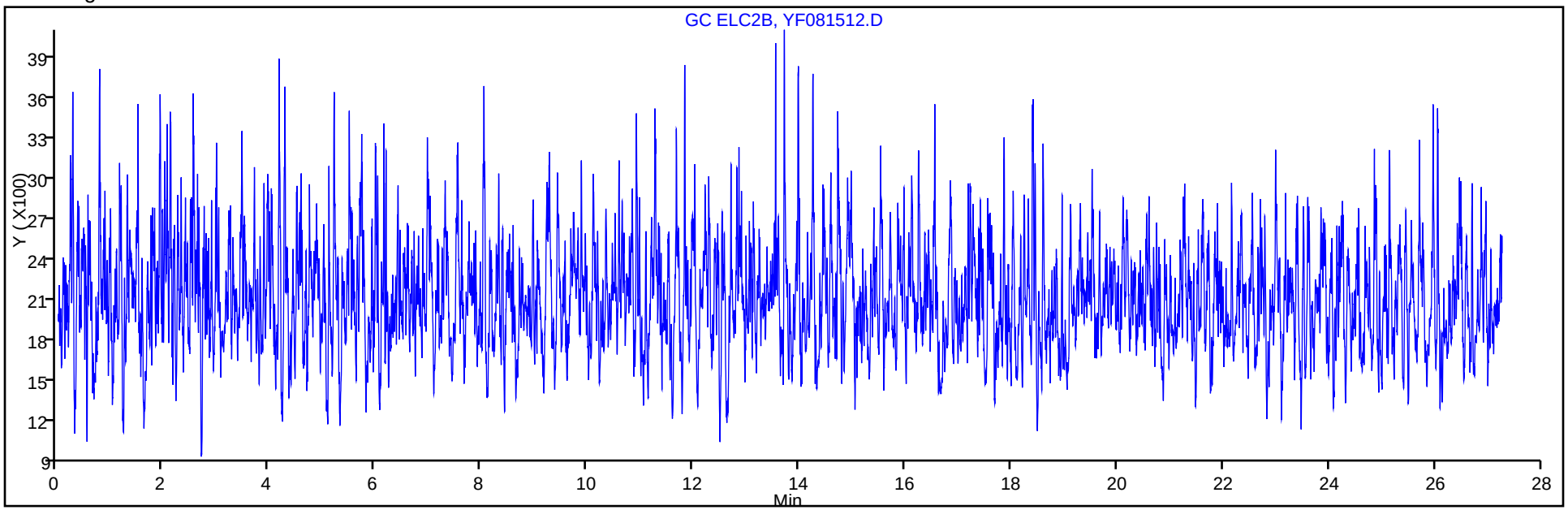
Injection Date: 15-Aug-2012 22:40:41 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

Lims Batch ID: 54511 Lims Sample ID: 12

Operator ID: 1765

Y Scaling:



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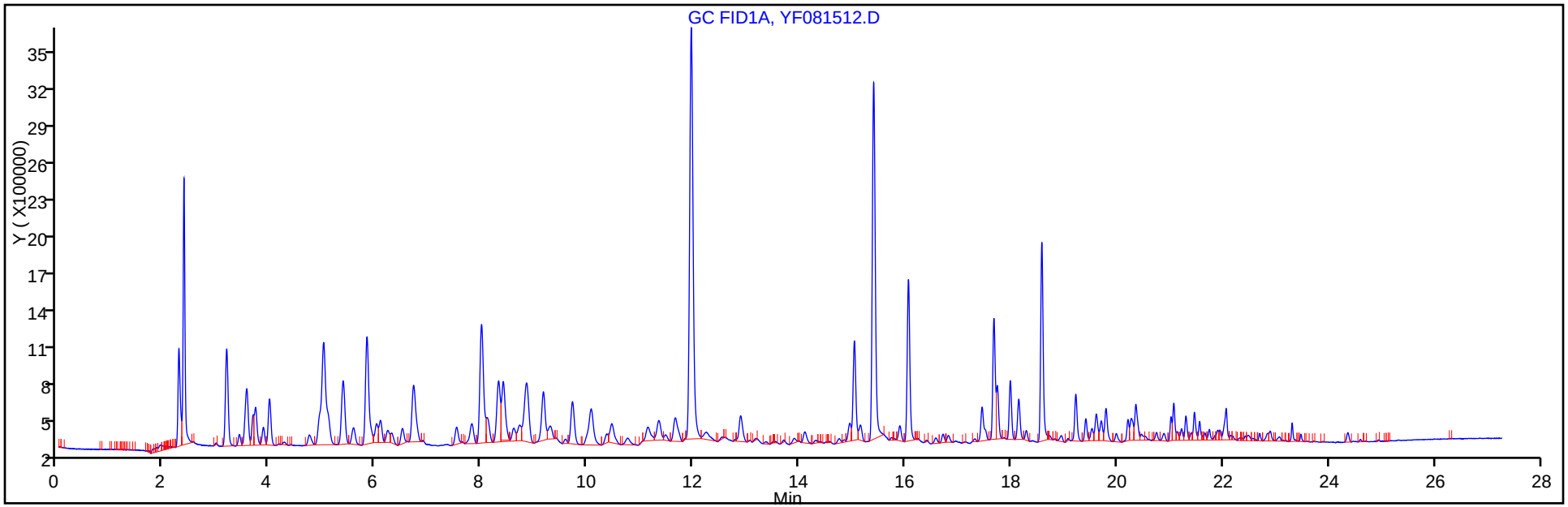


FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69540/5 Calibration Date: 12/20/2012 11:57

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122005.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	129311		761	800	-4.9	15.0
C6-C12	Lin		147148		814	800	1.8	15.0
Trifluorotoluene (Surr)	Ave	153716	124570		8.10	10.0	-19.0*	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69540/5 Calibration Date: 12/20/2012 11:57

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122005.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.80	4.86	18.74
C6-C12	13.44	4.96	21.91
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122005.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	20-Dec-2012 11:57:32	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0016046-005		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	5
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:16	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.760	9.760	0.0	1245700	8.10	
A 5 C6-C10	2	11.803	4.864 -	18.741	103449131	760.5	
A 1 C6-C12	2	13.439	4.964 -	21.913	117718191	814.1	

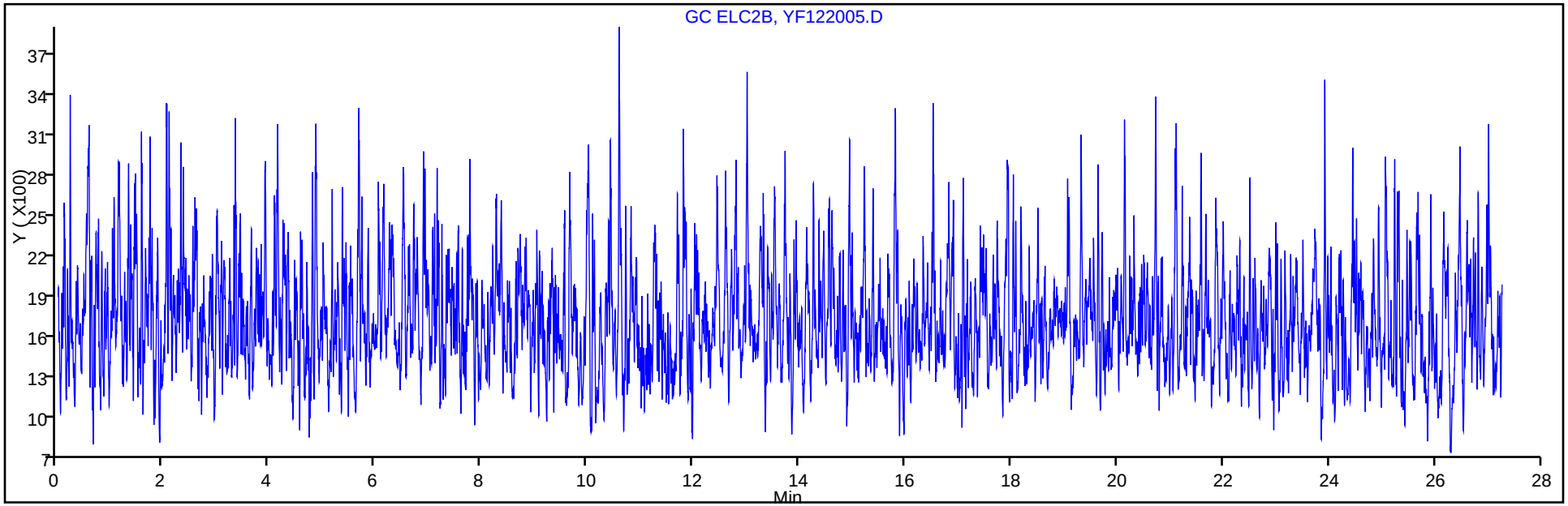
Report Date: 24-Dec-2012 09:17:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

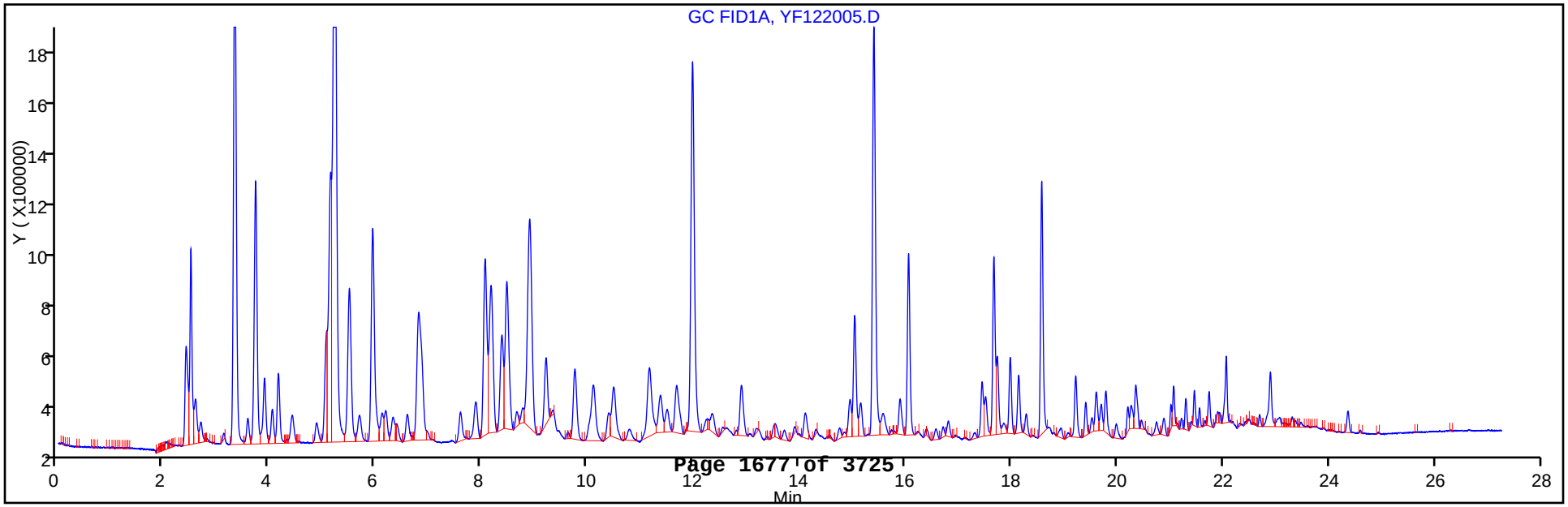
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122005.D

Injection Date:	20-Dec-2012 11:57:32	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	5
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69540/22 Calibration Date: 12/20/2012 23:16

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122022.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	127383		749	800	-6.3	15.0
C6-C12	Lin		143206		791	800	-1.1	15.0
Trifluorotoluene (Surr)	Ave	153716	142053		9.24	10.0	-7.6	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69540/22 Calibration Date: 12/20/2012 23:16

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122022.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.80	4.86	18.74
C6-C12	13.44	4.96	21.91
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122022.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	20-Dec-2012 23:16:14	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016046-022		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	22
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:36	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.762	9.762	0.0	1420534	9.24	
A 5 C6-C10	2	11.803	4.864 -	18.741	101906346	749.2	
A 1 C6-C12	2	13.439	4.964 -	21.913	114564426	791.0	

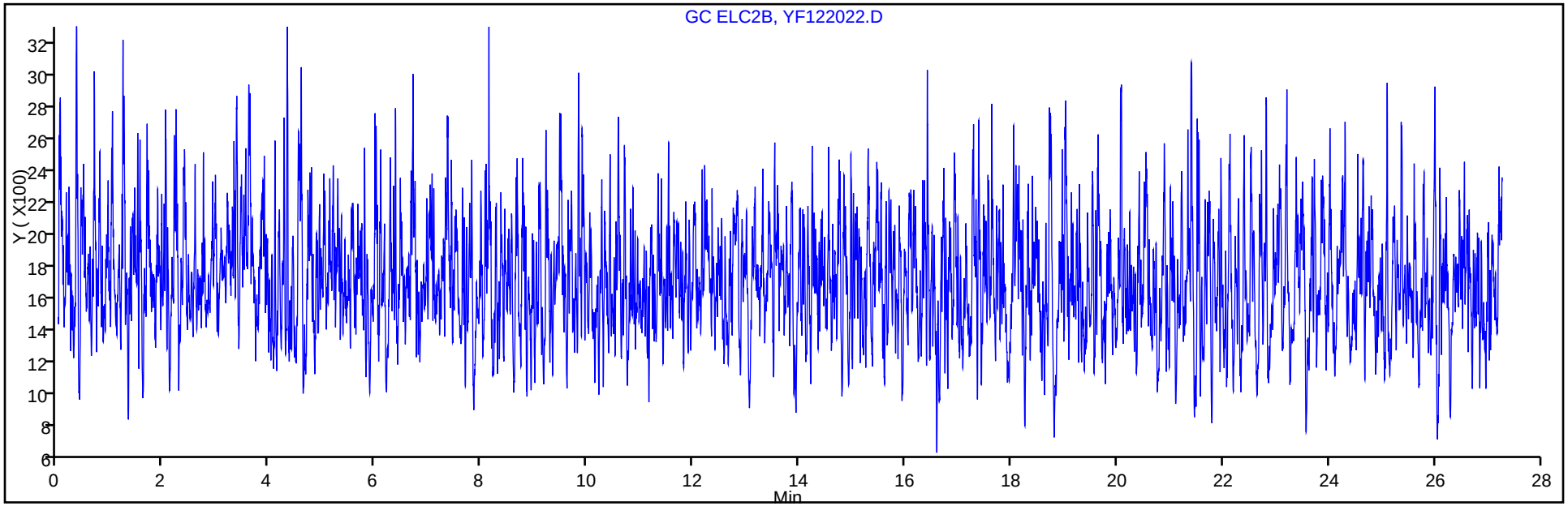
Report Date: 24-Dec-2012 09:17:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

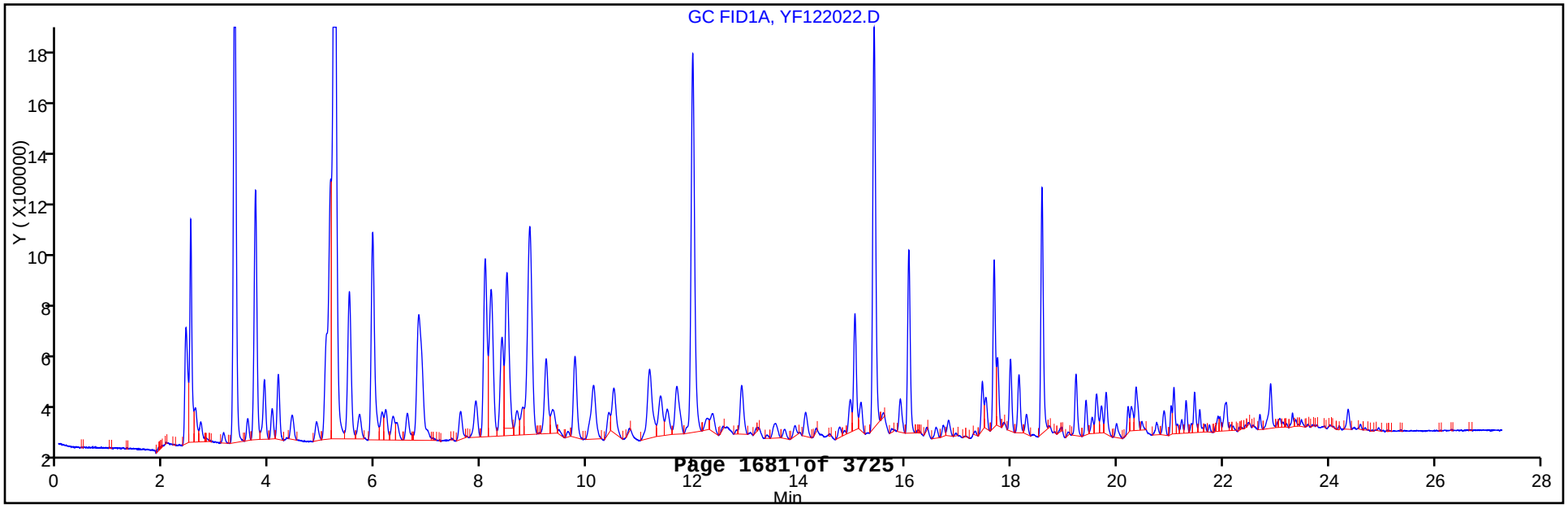
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122022.D

Injection Date:	20-Dec-2012 23:16:14	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	22
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69540/33 Calibration Date: 12/21/2012 06:14

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122033.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	120694		710	800	-11.3	15.0
C6-C12	Lin		133294		733	800	-8.4	15.0
Trifluorotoluene (Surr)	Ave	153716	135341		8.80	10.0	-12.0	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69540/33 Calibration Date: 12/21/2012 06:14

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122033.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.80	4.86	18.74
C6-C12	13.44	4.96	21.91
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122033.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	21-Dec-2012 06:14:23	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016046-033		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	33
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:52	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		
First Level Reviewer: bosworthh		Date:	21-Dec-2012 07:14:59

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.759	9.759	0.0	1353407	8.80	
A 5 C6-C10	2	11.803	4.864 -	18.741	96554895	709.9	
A 1 C6-C12	2	13.439	4.964 -	21.913	106634821	732.8	

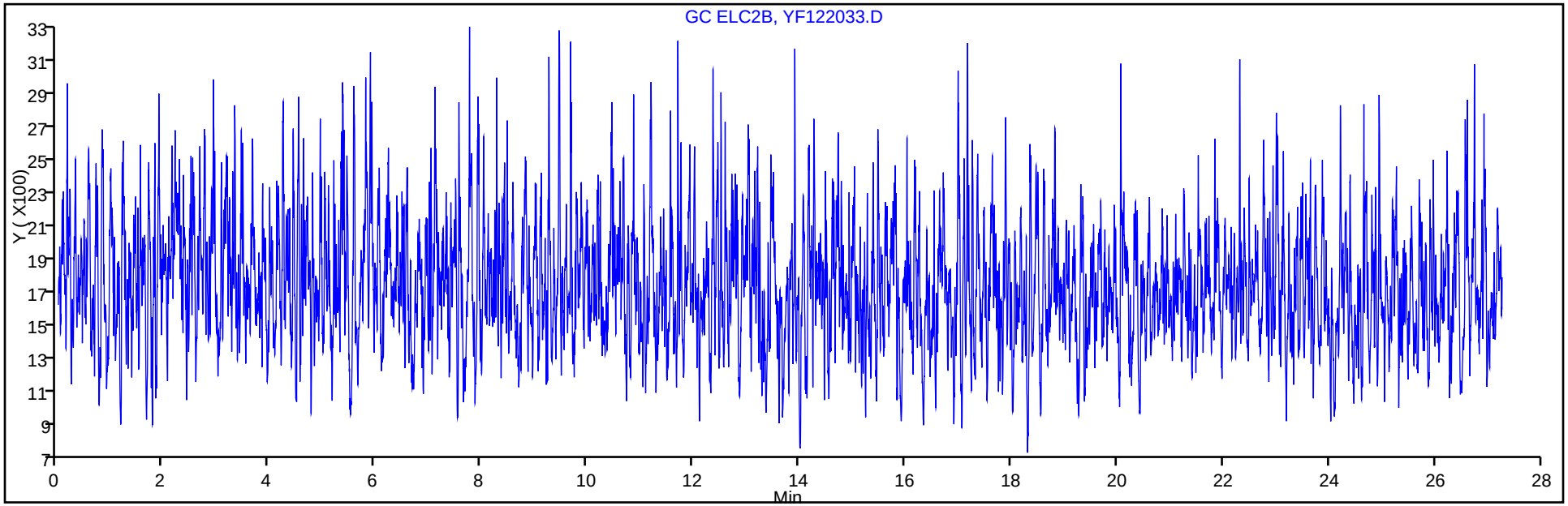
Report Date: 24-Dec-2012 09:17:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

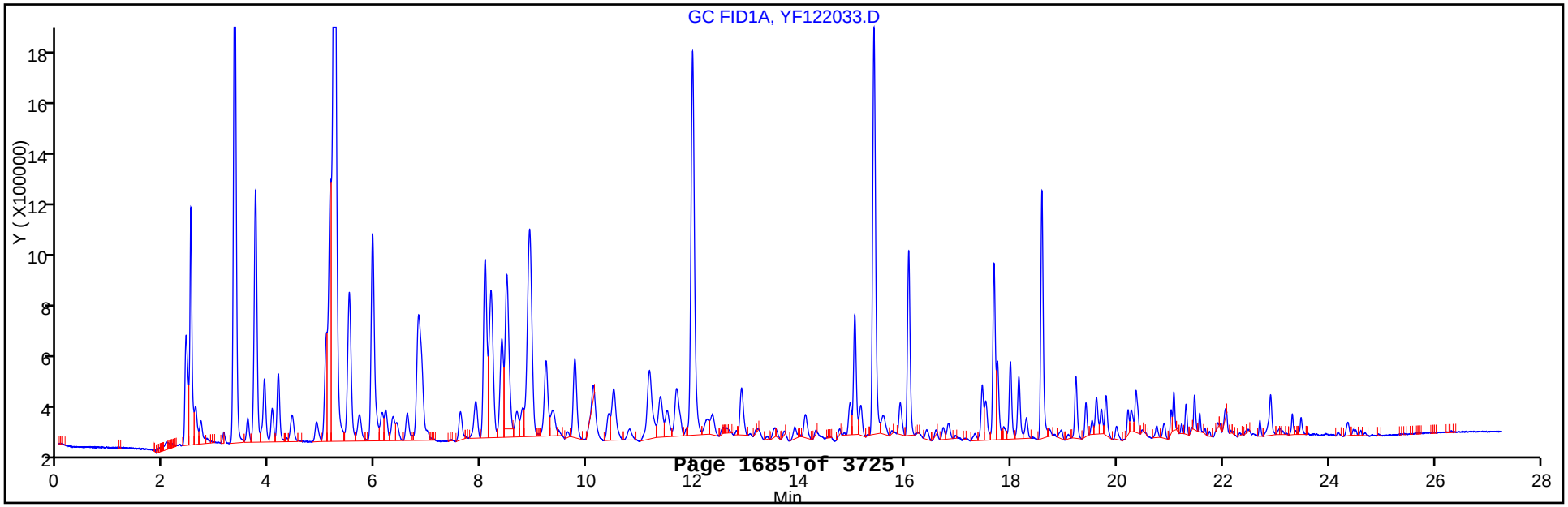
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122033.D

Injection Date:	21-Dec-2012 06:14:23	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	33
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69540/37 Calibration Date: 12/21/2012 08:45

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122037.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C10	Ave	136020	119505		703	800	-12.1	15.0
C6-C12	Lin		132363		727	800	-9.1	15.0
Trifluorotoluene (Surr)	Ave	153716	139571		9.08	10.0	-9.2	15.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69540/37 Calibration Date: 12/21/2012 08:45

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF122037.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C10	11.80	4.86	18.74
C6-C12	13.44	4.96	21.91
Trifluorotoluene (Surr)	9.76	9.51	10.01

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121220-16046.b\YF122037.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	21-Dec-2012 08:45:08	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016046-037		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	69540	Lims Sample ID:	37
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m		
Last Update:	24-Dec-2012 09:17:58	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK031		
First Level Reviewer: bosworthh		Date:	21-Dec-2012 09:29:04

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.762	9.762	0.0	1395712	9.08	
A 5 C6-C10	2	11.803	4.864 -	18.741	95604262	702.9	
A 1 C6-C12	2	13.439	4.964 -	21.913	105890614	727.4	

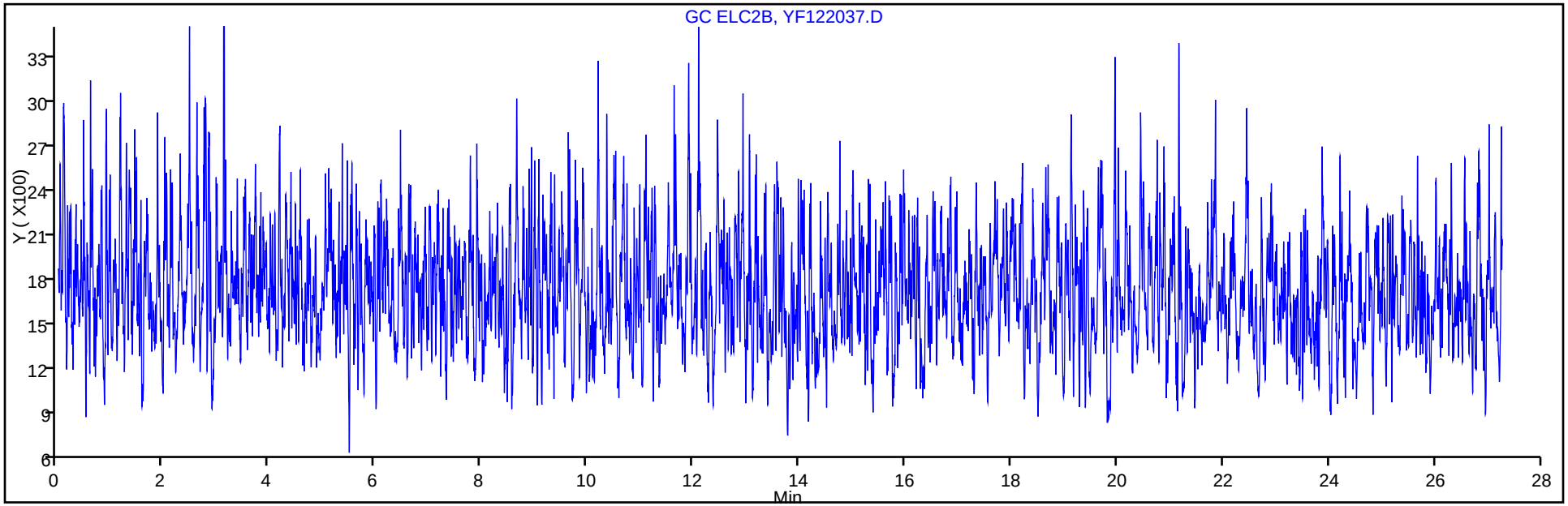
Report Date: 24-Dec-2012 09:17:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

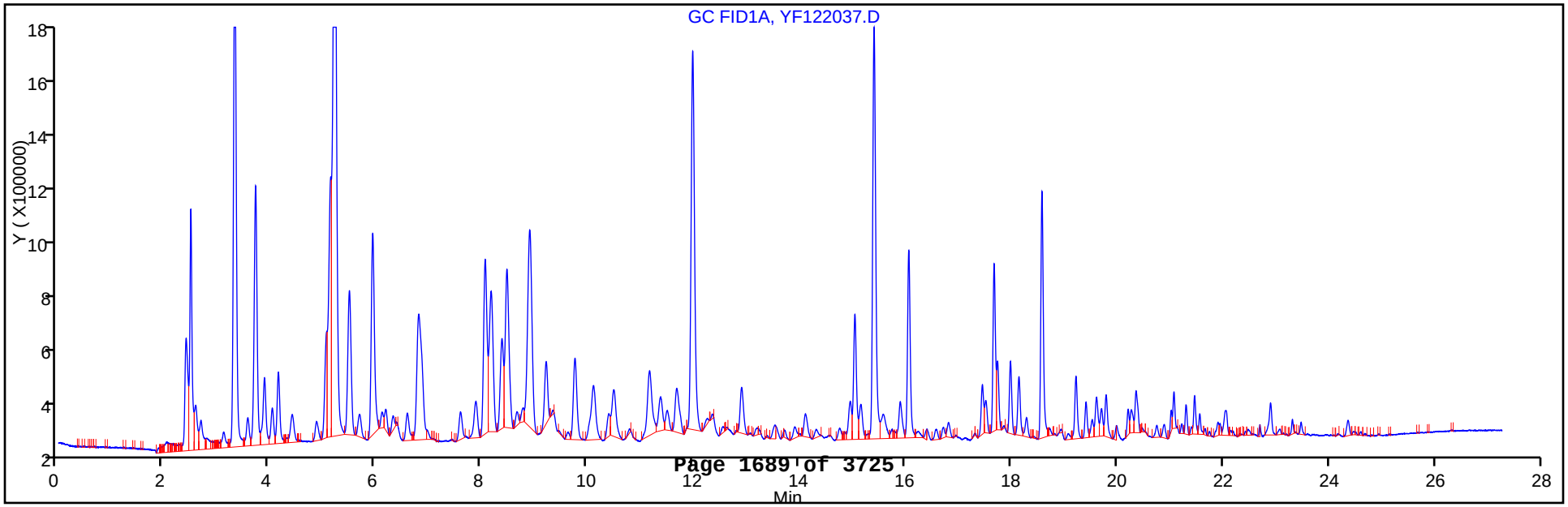
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122037.D

Injection Date:	21-Dec-2012 08:45:08	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	37
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-69540/24

Matrix: Solid Lab File ID: YF122024.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/21/2012 00:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	50	U	100	50	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	80		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122024.D
Lims ID: MB Client ID:
Inject. Date: 21-Dec-2012 00:32:44 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016046-024
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69540 Lims Sample ID: 24
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m
Last Update: 24-Dec-2012 09:17:36 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK031

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2		5.137				1
12 Methyl tert-butyl ether	2		5.208				1
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.757	9.762	-0.005	1225748	7.97	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.803	4.864 -	18.741	5803902	42.7	
8 Toluene	1		11.964				1
A 1 C6-C12	2		4.964 -	21.913			
A 11 GRO	2	13.655	4.996 -	22.314	12238206	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.744	21.746	-0.002	13145	0	
9 Naphthalene	2	22.075	22.060	0.015	31077	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

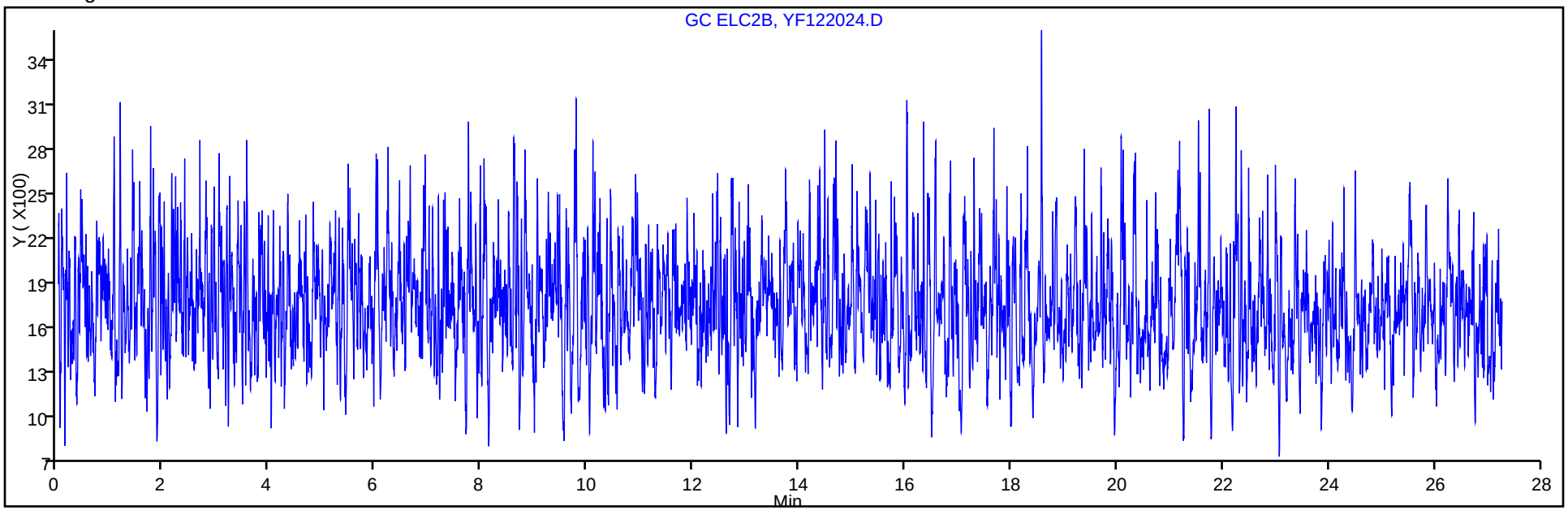
Report Date: 24-Dec-2012 09:17:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

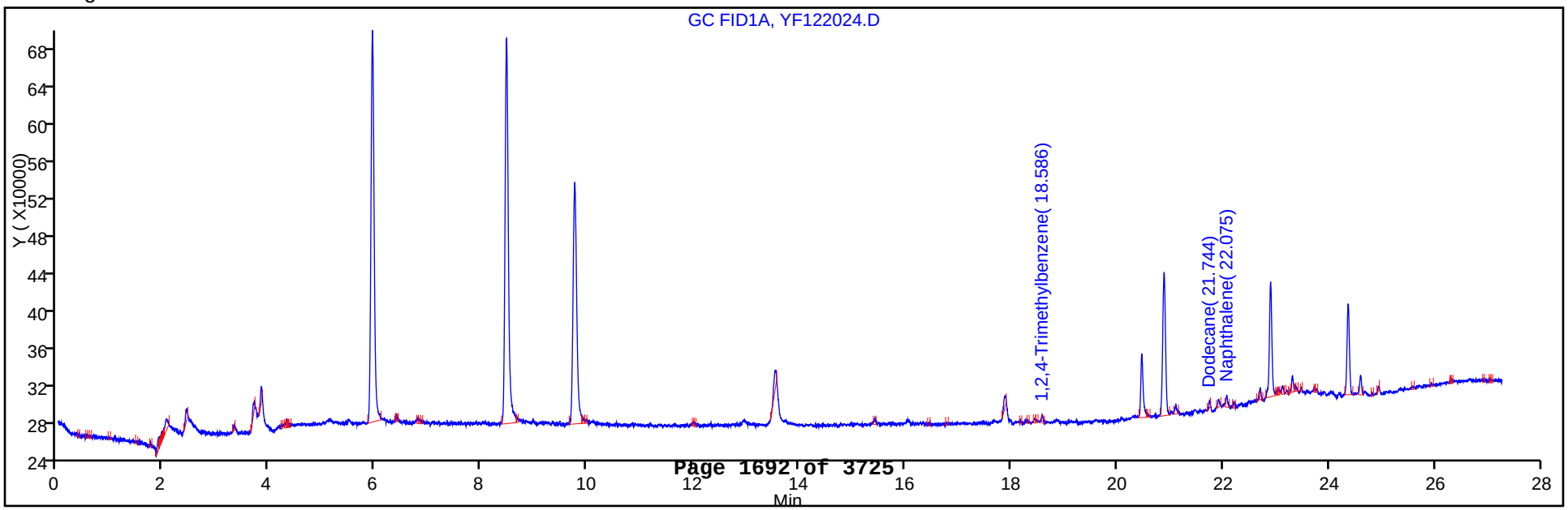
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122024.D

Injection Date:	21-Dec-2012 00:32:44	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	24
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-69540/25

Matrix: Solid Lab File ID: YF122025.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/21/2012 01:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	891		100	50	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	84	M	10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122025.D
Lims ID: LCS Client ID:
Inject. Date: 21-Dec-2012 01:10:52 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016046-025
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69540 Lims Sample ID: 25
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m
Last Update: 24-Dec-2012 09:17:36 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK031

First Level Reviewer: bosworthh Date: 21-Dec-2012 07:17:10

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.762	9.762	0.0	1287905	8.38	M
A 5 C6-C10	2	11.803	4.864 -	18.741	112903256	830.0	
A 1 C6-C12	2	13.439	4.964 -	21.913	128187460	890.9	

QC Flag Legend

Review Flags
M - Manually Integrated

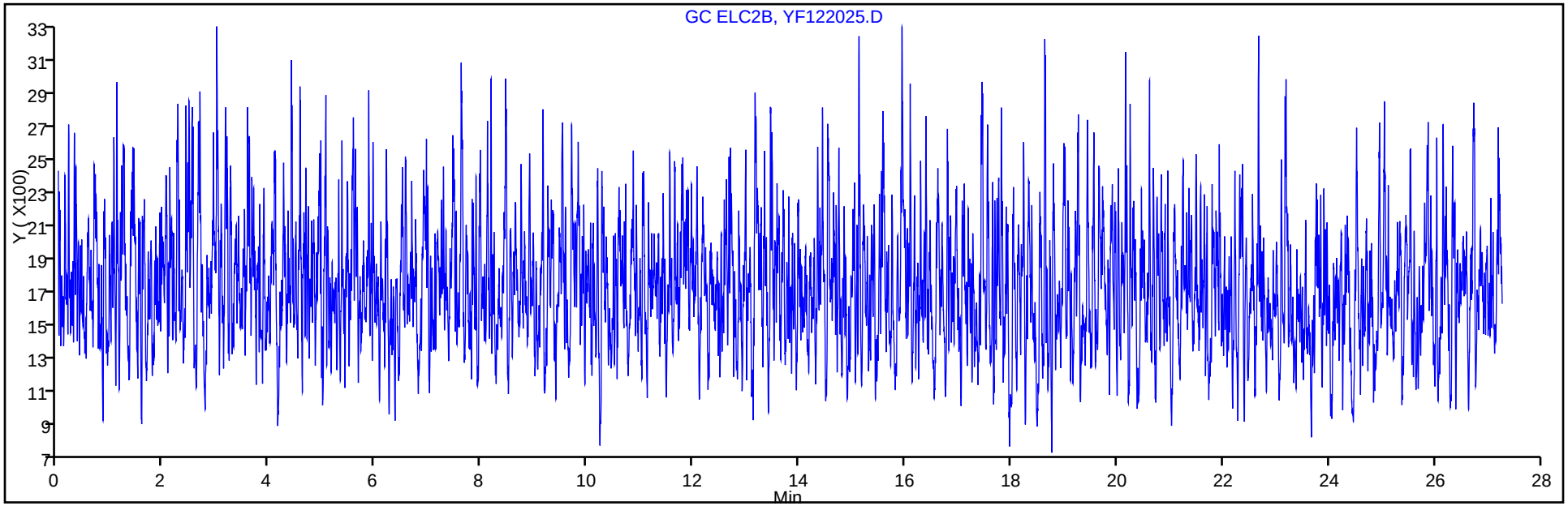
Report Date: 24-Dec-2012 09:17:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

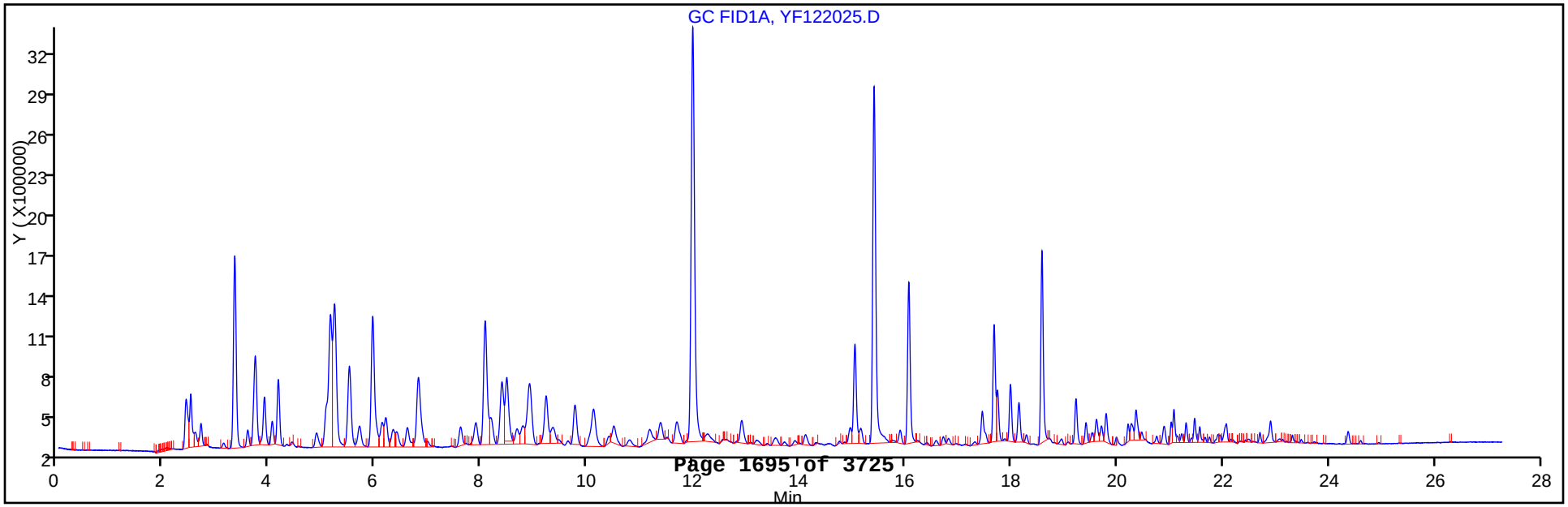
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122025.D

Injection Date:	21-Dec-2012 01:10:52	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	25
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Report Date: 24-Dec-2012 09:17:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

TestAmerica Canton

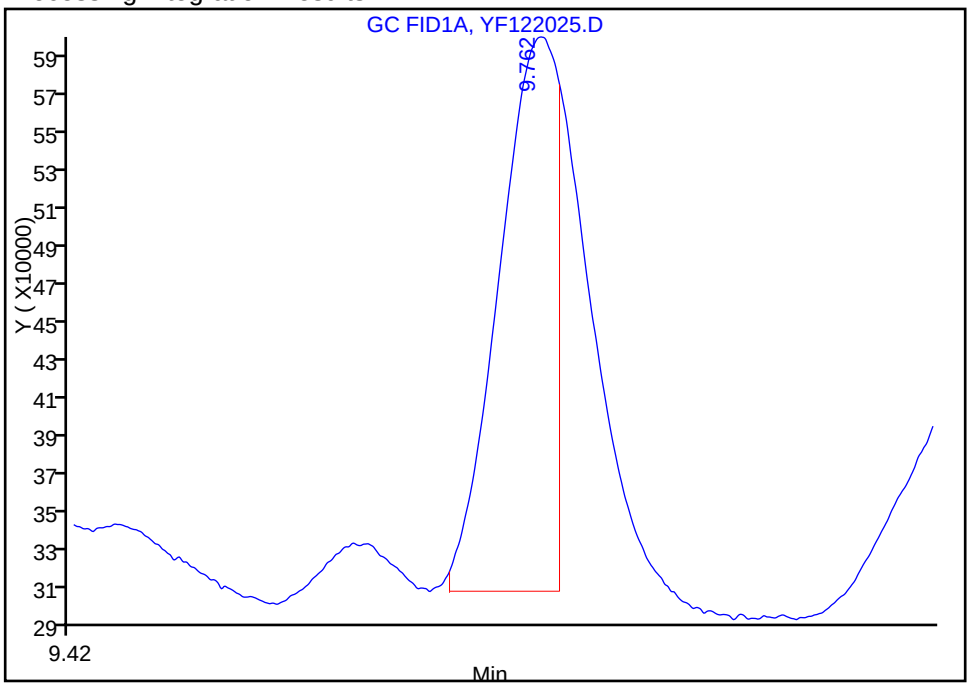
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122025.D

Injection Date:	21-Dec-2012 01:10:52	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	25
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

$ 16 Trifluorotoluene (Surr), Signal: 1, Type: quant, RT: 9.76, Det: GC FID1A

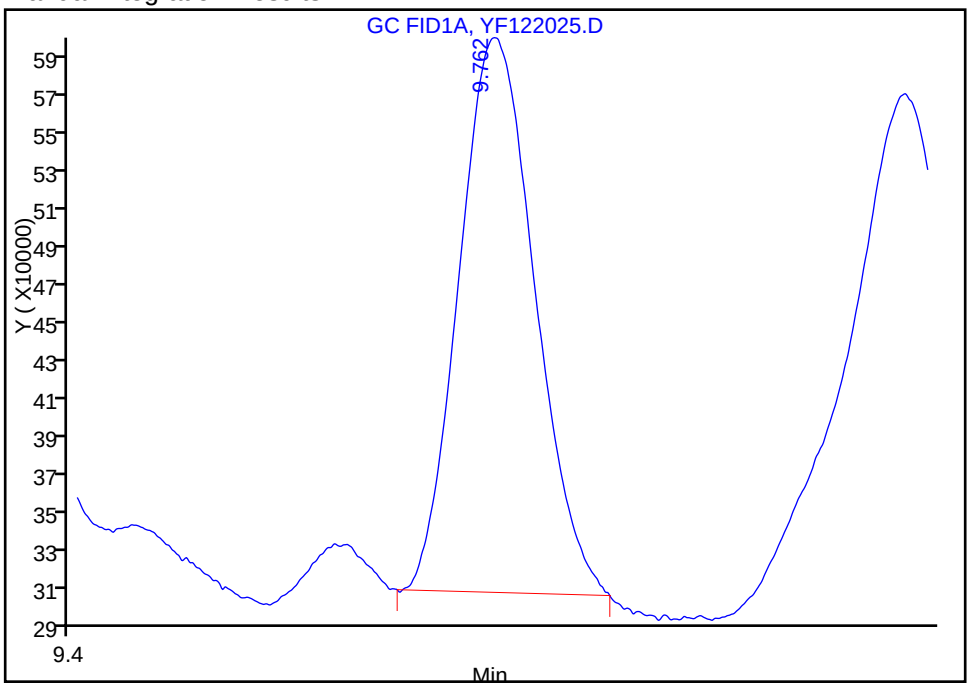
Processing Integration Results

RT: 9.76
Response: 818250
Amount: 5.323138



Manual Integration Results

RT: 9.76
Response: 1287905
Amount: 8.378485



Reviewer: bosworthh, 21-Dec-2012 07:17:10
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69540/23

Matrix: Solid Lab File ID: YF122023.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 23:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	96.4	J	100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	78		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122023.D
Lims ID: MRL Client ID:
Inject. Date: 20-Dec-2012 23:54:55 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016046-023
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69540 Lims Sample ID: 23
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m
Last Update: 24-Dec-2012 09:17:36 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK031

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.139	5.137	0.002	385465	0	
12 Methyl tert-butyl ether	2	5.217	5.208	0.009	1397031	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.760	9.762	-0.002	1202892	7.83	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.803	4.864 -	18.741	15806190	116.2	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.439	4.964 -	21.913	19840866	96.4	
A 11 GRO	2	13.655	4.996 -	22.314	23609932	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.751	21.746	0.005	30226	0	
9 Naphthalene	2	22.032	22.060	-0.028	26151	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

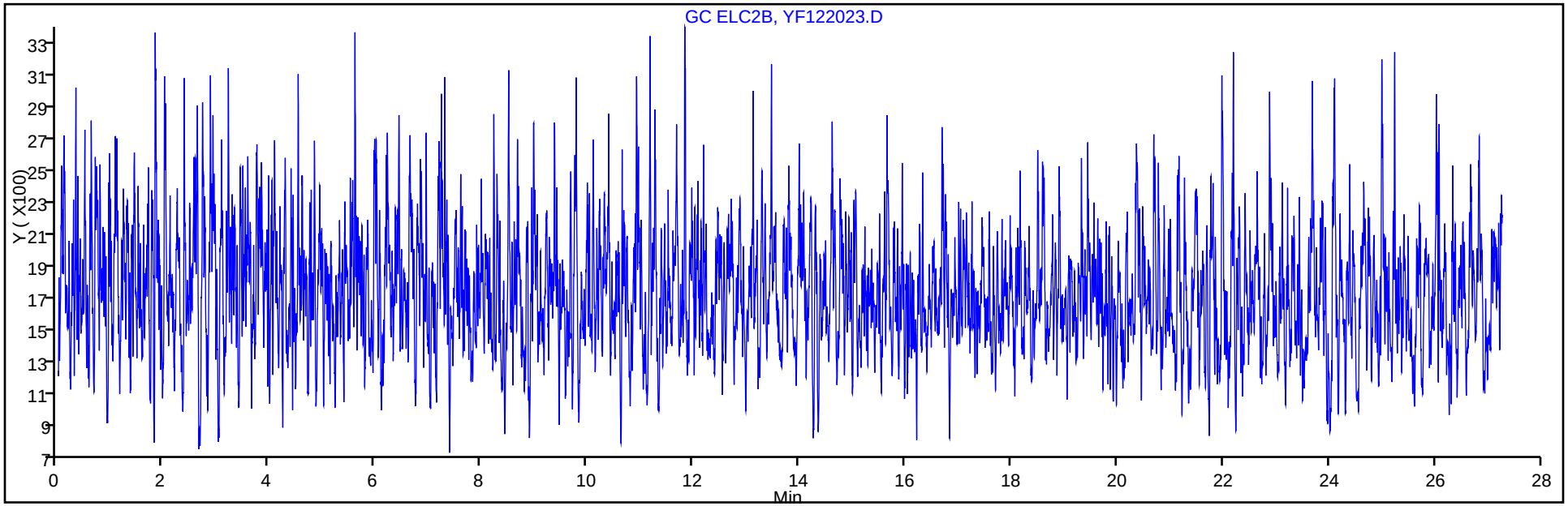
Report Date: 24-Dec-2012 09:17:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

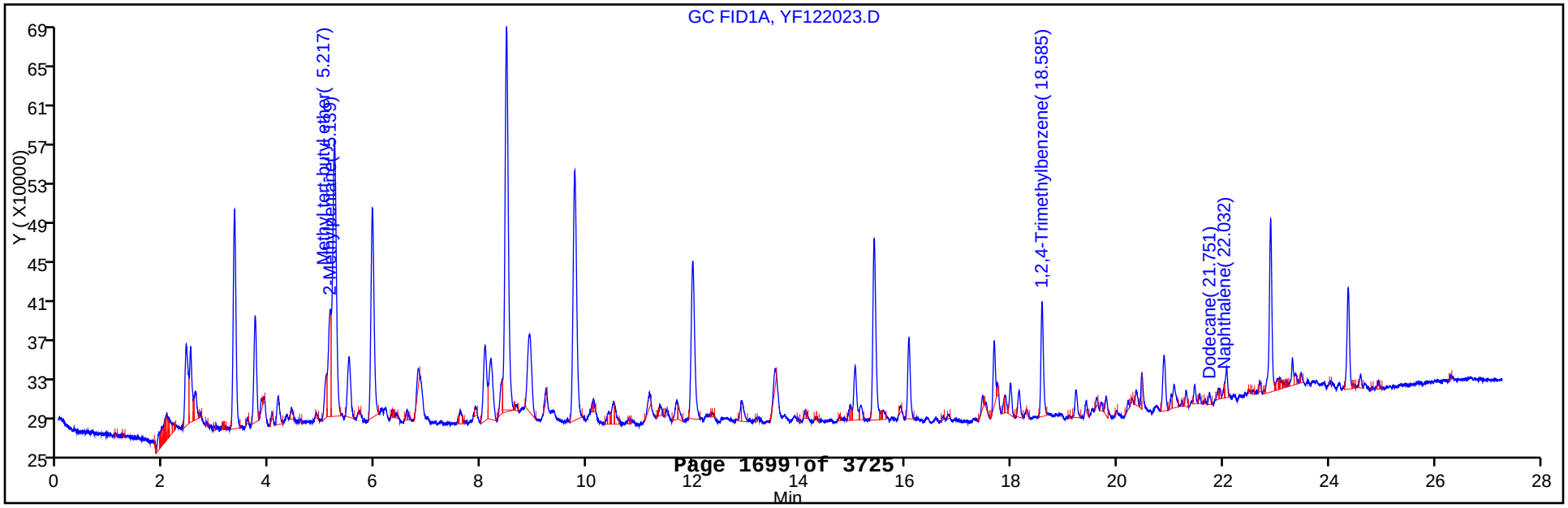
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122023.D

Injection Date:	20-Dec-2012 23:54:55	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	23
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69540/38

Matrix: Solid Lab File ID: YF122038.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/21/2012 09:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69540 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	90.9	J	100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	78		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122038.D
Lims ID: MRL Client ID:
Inject. Date: 21-Dec-2012 09:22:47 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016046-038
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 69540 Lims Sample ID: 38
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121220-16046.b\Y80158021.m
Last Update: 24-Dec-2012 09:17:58 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK031

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.137	5.137	0.0	420947	0	
12 Methyl tert-butyl ether	2	5.221	5.208	0.013	1531443	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.758	9.762	-0.004	1194432	7.77	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.803	4.864 - 18.741		16085792	118.3	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.439	4.964 - 21.913		19103186	90.9	
A 11 GRO	2	13.655	4.996 - 22.314		22663110	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.746	21.746	0.0	10781	0	
9 Naphthalene	2	22.069	22.060	0.009	126869	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

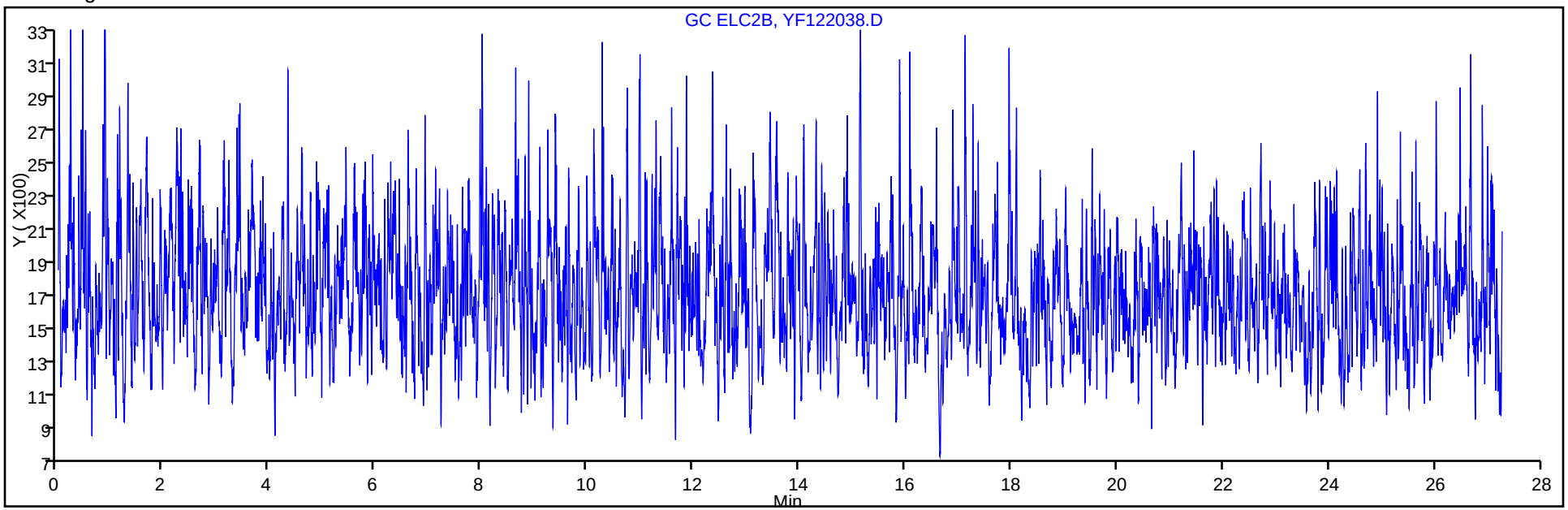
Report Date: 24-Dec-2012 09:18:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

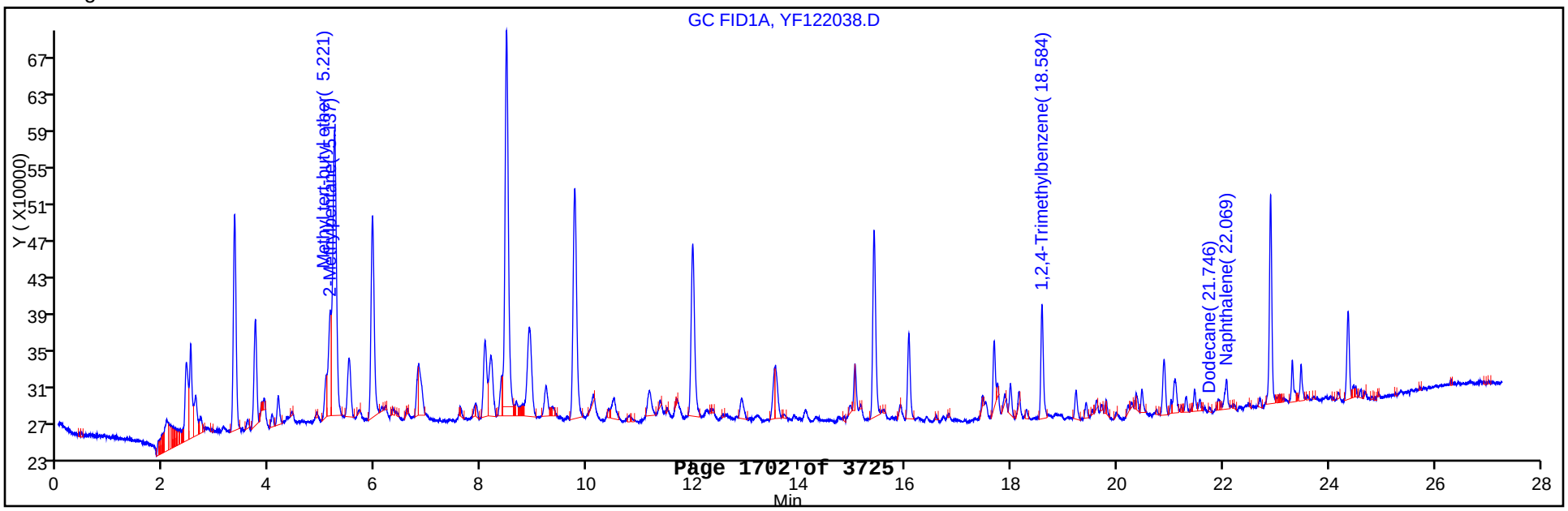
Data File: \\Ncchrom\ChromData\YPID\20121220-16046.b\YF122038.D

Injection Date:	21-Dec-2012 09:22:47	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	69540	Lims Sample ID:	38
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: YPID Start Date: 08/15/2012 17:16

Analysis Batch Number: 54511 End Date: 08/16/2012 06:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/15/2012 17:16	1		RTX-VRX 0.45(mm)
ZZZZZ		08/15/2012 17:57	1		RTX-VRX 0.45(mm)
STD1 240-54511/6 IC		08/15/2012 18:36	1	YF081506.D	RTX-VRX 0.45(mm)
STD2 240-54511/7 IC		08/15/2012 19:17	1	YF081507.D	RTX-VRX 0.45(mm)
STD3 240-54511/8 IC		08/15/2012 19:58	1	YF081508.D	RTX-VRX 0.45(mm)
STD4 240-54511/9 ICRT		08/15/2012 20:39	1	YF081509.D	RTX-VRX 0.45(mm)
STD5 240-54511/10 IC		08/15/2012 21:19	1	YF081510.D	RTX-VRX 0.45(mm)
STD6 240-54511/11 IC		08/15/2012 22:00	1	YF081511.D	RTX-VRX 0.45(mm)
ICV 240-54511/12		08/15/2012 22:40	1	YF081512.D	RTX-VRX 0.45(mm)
ZZZZZ		08/15/2012 23:21	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 00:02	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 00:42	200		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 01:23	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 02:03	100		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 02:43	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 03:24	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 04:05	1000		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 04:45	5		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 05:26	1		RTX-VRX 0.45(mm)
CCV 240-54511/23		08/16/2012 06:06	1		RTX-VRX 0.45(mm)

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: YPID Start Date: 12/20/2012 09:25

Analysis Batch Number: 69540 End Date: 12/21/2012 09:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/20/2012 09:25	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 09:25	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 10:03	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 10:03	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 10:41	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 10:41	1		RTX-VRX 0.45(mm)
CCV 240-69540/5 CCVRT		12/20/2012 11:57	1	YF122005.D	RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 12:35	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 12:35	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 13:51	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 15:08	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 15:08	1		RTX-VRX 0.45(mm)
CCV 240-69540/16		12/20/2012 19:24	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 20:02	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 20:42	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 21:21	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 21:21	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 21:59	1		RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 22:37	1		RTX-VRX 0.45(mm)
CCV 240-69540/22		12/20/2012 23:16	1	YF122022.D	RTX-VRX 0.45(mm)
ZZZZZ		12/20/2012 23:54	1		RTX-VRX 0.45(mm)
MRL 240-69540/23		12/20/2012 23:54	1	YF122023.D	RTX-VRX 0.45(mm)
ZZZZZ		12/21/2012 00:32	1		RTX-VRX 0.45(mm)
MB 240-69540/24		12/21/2012 00:32	1	YF122024.D	RTX-VRX 0.45(mm)
LCS 240-69540/25		12/21/2012 01:10	1	YF122025.D	RTX-VRX 0.45(mm)
240-18581-2	070SB-043M-0001-SO	12/21/2012 01:48	1	YF122026.D	RTX-VRX 0.45(mm)
240-18581-7	072SB-0056-0001-SO	12/21/2012 02:26	1	YF122027.D	RTX-VRX 0.45(mm)
240-18581-8	072SB-0057-0001-SO	12/21/2012 03:04	1	YF122028.D	RTX-VRX 0.45(mm)
240-18581-9	072SB-0058-0001-SO	12/21/2012 03:42	1	YF122029.D	RTX-VRX 0.45(mm)
240-18581-10	072SB-0059-0001-SO	12/21/2012 04:20	1	YF122030.D	RTX-VRX 0.45(mm)
240-18581-11	072SB-0060-0001-SO	12/21/2012 04:58	1	YF122031.D	RTX-VRX 0.45(mm)
240-18581-13	072SB-0070-0001-SO	12/21/2012 05:36	1	YF122032.D	RTX-VRX 0.45(mm)
CCV 240-69540/33		12/21/2012 06:14	1	YF122033.D	RTX-VRX 0.45(mm)
240-18581-14	072SB-0071-0001-SO	12/21/2012 06:51	1	YF122034.D	RTX-VRX 0.45(mm)
240-18581-15	072SB-0072-0001-SO	12/21/2012 07:29	1	YF122035.D	RTX-VRX 0.45(mm)
240-18581-16	072SB-0073-0001-SO	12/21/2012 08:07	1	YF122036.D	RTX-VRX 0.45(mm)
CCV 240-69540/37		12/21/2012 08:45	1	YF122037.D	RTX-VRX 0.45(mm)
ZZZZZ		12/21/2012 09:22	1		RTX-VRX 0.45(mm)
MRL 240-69540/38		12/21/2012 09:22	1	YF122038.D	RTX-VRX 0.45(mm)

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69633 Batch Start Date: 12/20/12 13:05 Batch Analyst: Bosworth, Heather M

Batch Method: 5035 Batch End Date: 12/20/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	AnalysisComment	
240-18581-B-2	070SB-043M-0001-SO	5035, 8015B	T	+030.767 g	36.55 g	5.783 g	5 mL	Job preserved at 12/8/12 @1730	
240-18581-B-7	072SB-0056-0001-SO	5035, 8015B	T	+030.246 g	36.74 g	6.494 g	5 mL		
240-18581-B-8	072SB-0057-0001-SO	5035, 8015B	T	+030.257 g	36.48 g	6.223 g	5 mL		
240-18581-B-9	072SB-0058-0001-SO	5035, 8015B	T	+030.273 g	36.57 g	6.297 g	5 mL		
240-18581-B-10	072SB-0059-0001-SO	5035, 8015B	T	+030.202 g	36.43 g	6.228 g	5 mL		
240-18581-B-11	072SB-0060-0001-SO	5035, 8015B	T	+031.027 g	37.64 g	6.613 g	5 mL		
240-18581-B-13	072SB-0070-0001-SO	5035, 8015B	T	+030.341 g	36.43 g	6.089 g	5 mL		
240-18581-B-14	072SB-0071-0001-SO	5035, 8015B	T	+030.512 g	36.68 g	6.168 g	5 mL		
240-18581-B-15	072SB-0072-0001-SO	5035, 8015B	T	30.418 g	35.28 g	4.862 g	5 mL		
240-18581-B-16	072SB-0073-0001-SO	5035, 8015B	T	+030.140 g	36.37 g	6.23 g	5 mL		

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8015B - DRO DOD

Diesel Range Organics (DRO) (GC) by Method 8015B DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ID:

Client Sample ID	Lab Sample ID	C9 #
070SB-0042M-0001-SO	240-18581-1	42
070SB-043M-0001-SO	240-18581-2	63
072SB-0056-0001-SO	240-18581-7	44
072SB-0057-0001-SO	240-18581-8	48
072SB-0058-0001-SO	240-18581-9	52
072SB-0059-0001-SO	240-18581-10	40
072SB-0060-0001-SO	240-18581-11	53
072SB-0070-0001-SO	240-18581-13	52
072SB-0071-0001-SO	240-18581-14	52
072SB-0072-0001-SO	240-18581-15	55
072SB-0073-0001-SO	240-18581-16	49
	MB 240-69404/17-A	55
	MB 240-69794/6-A	62
	LCS 240-69404/18-A	50
	LCS 240-69794/7-A	67
070SB-0042M-0001-SO MS	240-18581-1 MS	42
070SB-043M-0001-SO MS	240-18581-2 MS	60
070SB-0042M-0001-SO MSD	240-18581-1 MSD	15
070SB-043M-0001-SO MSD	240-18581-2 MSD	51

	QC LIMITS
C9 = n-Nonane	10-110

Column to be used to flag recovery values

FORM II 8015B_DRO/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ID:

Client Sample ID	Lab Sample ID	C9 #
	MRL 240-69606/4	76
	MRL 240-69606/47	74

	QC LIMITS
C9 = n-Nonane	70-130

Column to be used to flag recovery values

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ID:

Client Sample ID	Lab Sample ID	C9 #
	MRL 240-70013/4	76
	MRL 240-70013/31	77

	QC LIMITS
C9 = n-Nonane	70-130

Column to be used to flag recovery values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5F10025.D

Lab ID: LCS 240-69404/18-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Diesel	83.3	62.2	75	47-138	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P6F24022.D

Lab ID: LCS 240-69794/7-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Diesel	83.3	69.3	83	47-138	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5F10004.D

Lab ID: MRL 240-69606/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	106	106	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5F10047.D

Lab ID: MRL 240-69606/47 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	95.8 J	96	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P5F10004.D

Lab ID: MRL 240-70013/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	99.1 J	99	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P5F10031.D

Lab ID: MRL 240-70013/31 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	97.0 J	97	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5F10007.D

Lab ID: 240-18581-1 MS Client ID: 070SB-0042M-0001-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Diesel	101	650	919	261	10-199	D 4

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P6F24024.D

Lab ID: 240-18581-2 MS Client ID: 070SB-043M-0001-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Diesel	104	650	716	68	10-199	D 4

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5F10008.D

Lab ID: 240-18581-1 MSD Client ID: 070SB-0042M-0001-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Diesel	103	184	-457	133	30	10-199	4 J

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P6F24025.D

Lab ID: 240-18581-2 MSD Client ID: 070SB-043M-0001-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Diesel	105	827	173	14	30	10-199	D 4

Column to be used to flag recovery and RPD values

FORM III 8015B_DRO/DOD

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: P5F10024.D Lab Sample ID: MB 240-69404/17-A

Matrix: Solid Date Extracted: 12/19/2012 11:57

Instrument ID: A2HP5F Date Analyzed: 12/21/2012 02:36

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-69404/18-A	P5F10025.D	12/21/2012 03:06
072SB-0056-0001-SO	240-18581-7	P5F10029.D	12/21/2012 05:06
072SB-0057-0001-SO	240-18581-8	P5F10030.D	12/21/2012 05:36
072SB-0058-0001-SO	240-18581-9	P5F10031.D	12/21/2012 06:07
072SB-0059-0001-SO	240-18581-10	P5F10032.D	12/21/2012 06:36
072SB-0060-0001-SO	240-18581-11	P5F10033.D	12/21/2012 07:07
072SB-0070-0001-SO	240-18581-13	P5F10035.D	12/21/2012 08:06
072SB-0071-0001-SO	240-18581-14	P5F10036.D	12/21/2012 08:36
072SB-0072-0001-SO	240-18581-15	P5F10037.D	12/21/2012 09:06
072SB-0073-0001-SO	240-18581-16	P5F10042.D	12/21/2012 11:40
070SB-0042M-0001-SO	240-18581-1	P5F10006.D	12/24/2012 14:46
070SB-0042M-0001-SO MS	240-18581-1 MS	P5F10007.D	12/24/2012 15:16
070SB-0042M-0001-SO MSD	240-18581-1 MSD	P5F10008.D	12/24/2012 15:46

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab File ID: P6F24021.D Lab Sample ID: MB 240-69794/6-A

Matrix: Solid Date Extracted: 12/21/2012 11:38

Instrument ID: A2HP6F Date Analyzed: 12/25/2012 01:37

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-69794/7-A	P6F24022.D	12/25/2012 02:16
070SB-043M-0001-SO	240-18581-2	P6F24023.D	12/25/2012 02:55
070SB-043M-0001-SO MS	240-18581-2 MS	P6F24024.D	12/25/2012 03:34
070SB-043M-0001-SO MSD	240-18581-2 MSD	P6F24025.D	12/25/2012 04:13

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-69606/5 Date Analyzed: 12/20/2012 17:00

Instrument ID: A2HP5F GC Column: ID: ()

Lab File ID (Standard): P5F10005.D Heated Purge: (Y/N) N

Calibration ID: 11556

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				C9 RT #		
CONTINUING CALIBRATION SURROGATE				4.27		
UPPER LIMIT				4.37		
LOWER LIMIT				4.17		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-69606/5 CCVRT		12/20/2012 17:00	P5F10005.D	4.27		
CCV 240-69606/23		12/21/2012 02:06	P5F10023.D	4.27		
MB 240-69404/17-A		12/21/2012 02:36	P5F10024.D	4.26		
LCS 240-69404/18-A		12/21/2012 03:06	P5F10025.D	4.26		
240-18581-7	072SB-0056-0001-SO	12/21/2012 05:06	P5F10029.D	4.27		
240-18581-8	072SB-0057-0001-SO	12/21/2012 05:36	P5F10030.D	4.26		
240-18581-9	072SB-0058-0001-SO	12/21/2012 06:07	P5F10031.D	4.26		
240-18581-10	072SB-0059-0001-SO	12/21/2012 06:36	P5F10032.D	4.26		
240-18581-11	072SB-0060-0001-SO	12/21/2012 07:07	P5F10033.D	4.27		
CCV 240-69606/34		12/21/2012 07:36	P5F10034.D	4.27		
240-18581-13	072SB-0070-0001-SO	12/21/2012 08:06	P5F10035.D	4.26		
240-18581-14	072SB-0071-0001-SO	12/21/2012 08:36	P5F10036.D	4.26		
240-18581-15	072SB-0072-0001-SO	12/21/2012 09:06	P5F10037.D	4.26		
CCV 240-69606/41		12/21/2012 11:07	P5F10041.D	4.27		
240-18581-16	072SB-0073-0001-SO	12/21/2012 11:40	P5F10042.D	4.26		
CCV 240-69606/46		12/21/2012 13:41	P5F10046.D	4.27		

C9 = n-Nonane

C9 RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B_DRO/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-70013/5 Date Analyzed: 12/24/2012 14:15

Instrument ID: A2HP5F GC Column: ID: ()

Lab File ID (Standard): P5F10005.D Heated Purge: (Y/N) N

Calibration ID: 11556

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				C9 RT #		
CONTINUING CALIBRATION SURROGATE				4.24		
UPPER LIMIT				4.34		
LOWER LIMIT				4.14		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-70013/5 CCVRT		12/24/2012 14:15	P5F10005.D	4.24		
240-18581-1	070SB-0042M-0001-SO	12/24/2012 14:46	P5F10006.D	4.24		
240-18581-1 MS	070SB-0042M-0001-SO MS	12/24/2012 15:16	P5F10007.D	4.25		
240-18581-1 MSD	070SB-0042M-0001-SO MSD	12/24/2012 15:46	P5F10008.D	4.25		
CCV 240-70013/12		12/24/2012 17:45	P5F10012.D	4.25		

C9 = n-Nonane

C9 RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B_DRO/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-70006/6 Date Analyzed: 12/24/2012 15:54

Instrument ID: A2HP6F GC Column: RTX-5 ID: 0.53(mm)

Lab File ID (Standard): P6F24006.D Heated Purge: (Y/N) N

Calibration ID: 12803

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				C9 RT #		
CONTINUING CALIBRATION SURROGATE				4.14		
UPPER LIMIT				4.24		
LOWER LIMIT				4.04		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-70006/6 CCVRT		12/24/2012 15:54	P6F24006.D	4.14		
CCV 240-70006/17		12/24/2012 23:02	P6F24017.D	4.14		
MB 240-69794/6-A		12/25/2012 01:37	P6F24021.D	4.13		
LCS 240-69794/7-A		12/25/2012 02:16	P6F24022.D	4.13		
240-18581-2	070SB-043M-0001-SO	12/25/2012 02:55	P6F24023.D	4.14		
240-18581-2 MS	070SB-043M-0001-SO MS	12/25/2012 03:34	P6F24024.D	4.14		
240-18581-2 MSD	070SB-043M-0001-SO MSD	12/25/2012 04:13	P6F24025.D	4.14		
CCV 240-70006/28		12/25/2012 06:09	P6F24028.D	4.14		

C9 = n-Nonane

C9 RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B_DRO/DOD

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO | Lab Sample ID: 240-18581-1

Matrix: Solid | Lab File ID: P5F10006.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 11:45

Extraction Method: 3540C | Date Extracted: 12/19/2012 11:57

Sample wt/vol: 29.86(g) | Date Analyzed: 12/24/2012 14:46

Con. Extract Vol.: 5(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 18.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70013 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	370	D	210	110	110
STL00272	C20-C34	430	D M	210	110	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	42		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10006.D		
Lims ID:	240-18581-M-1-D	Client ID:	070SB-0042M-0001-SO
Inject. Date:	24-Dec-2012 14:46:01	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	240-0016155-006		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	70013	Lims Sample ID:	6
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\TPH5F.m		
Last Update:	26-Dec-2012 09:57:10	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

First Level Reviewer: bolgrind Date: 26-Dec-2012 09:17:31

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
	23.884					
A	2 C28-C36					
	15.234	13.690	-16.778	7773630	38.7	
A	3 C10-C34					
	10.406	5.230	- 15.581	70235318	381.4	
A	4 C32-C44					1
		0.0	- 0.100			
A	5 C12-C22					
	8.852	6.605	- 11.099	39966646	217.0	
A	6 C22-C32					
		11.099	-14.803			
	7 n-Octane					
	2.731	2.726	0.005	1537767	0	
$	8 n-Nonane					
	4.239	4.242	-0.003	814766	4.20	
	9 n-Decane					
	5.229	5.230	-0.001	3627	0	
	10 Dodecane					
	6.603	6.605	-0.002	10216	0	
	11 n-Tetradecane					
	7.713	7.677	0.036	207659	0	
A	12 C10-C20					
	7.727	5.230	- 10.189	33002203	179.2	
	13 Hexadecane					
	8.631	8.613	0.018	457171	0	
A	14 C10-C28					
	9.433	5.175	- 13.690	59154202	294.4	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.419	5.230 -	13.608	58585371	318.2	
16 n-Octadecane					
9.485	9.455	0.030	342156	0	
A 17 C10-C32					
10.017	5.230 -	14.803	66724120	362.4	
18 icosane					
10.220	10.223	-0.003	273503	0	
19 n-Docosane					
11.109	11.099	0.010	123266	0	
A 20 C12-C24					
4.548	3.039 -	6.058	624107268	3389.3	
21 n-Tetracosane					
12.131	12.113	0.018	127031	0	
A 22 C20-C34					M
12.902	10.223 -	15.581	38069849	206.7	M
23 n-Hexacosane					
12.912	12.928	-0.016	77441	0	
24 n-Octacosane					
13.617	13.608	0.009	109021	0	
25 Triacontane					
14.225	14.198	0.027	157938	0	
26 Dotriacontane					
14.811	14.803	0.008	152479	0	
27 Tetratriacontane					
15.537	15.581	-0.044	15222	0	
A 28 C24-C40					
16.247	12.113 -	20.380	24250949	131.7	
29 n-Hexatriacontane					
16.612	16.650	-0.038	2802	0	
30 C38					
18.148	18.175	-0.027	6059	0	
31 C40					1
20.380					
A 32 C20-C36					
13.437	10.223 -	16.650	25978493	141.1	
A 34 C24-C44					
17.999	12.113 -	23.884	24841968	134.9	
A 35 C10-C24					
3.790	3.117 -	4.463	623523030	3386.1	

QC Flag Legend

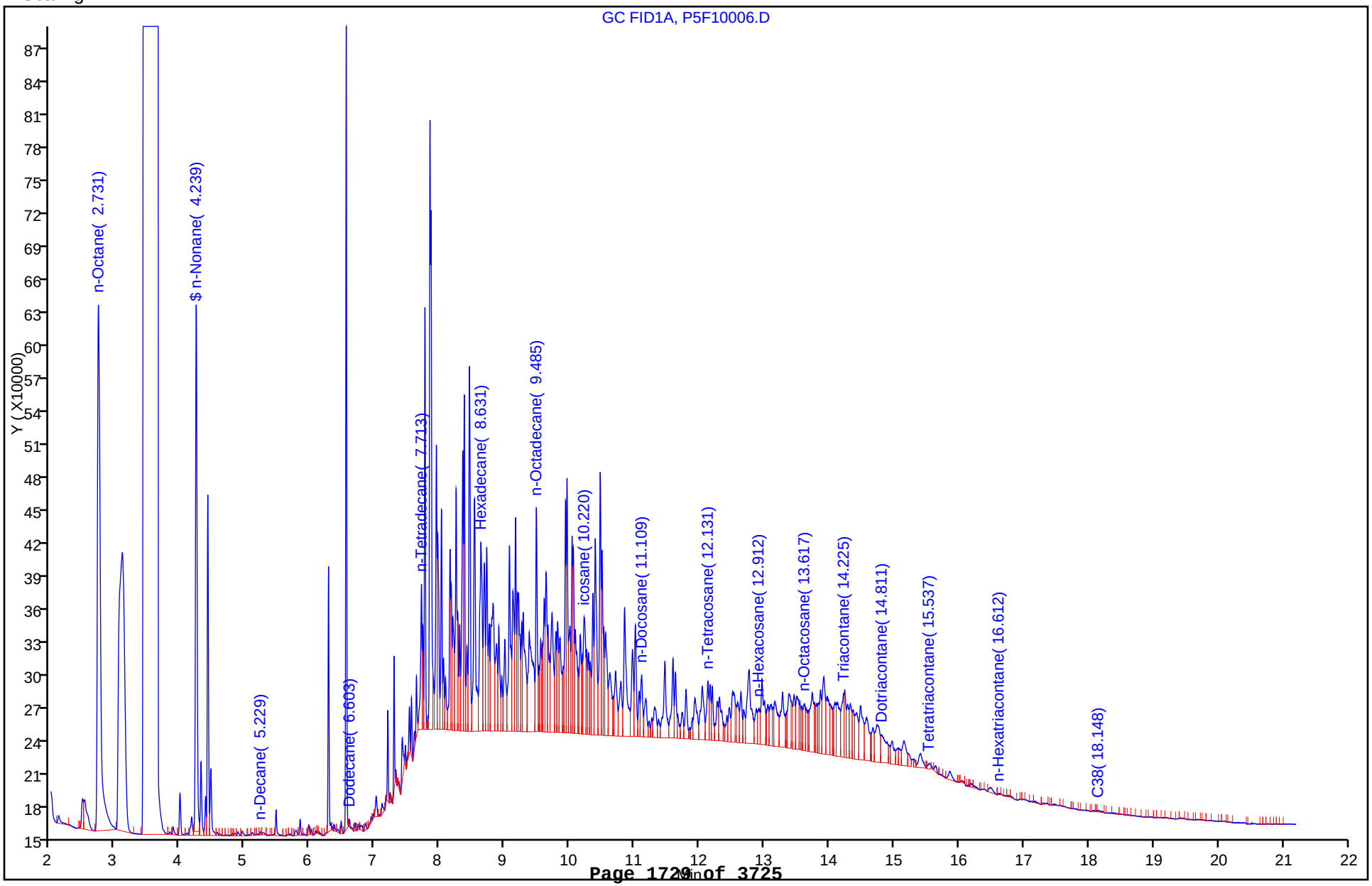
Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

Report Date: 26-Dec-2012 09:57:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10006.D		
Injection Date:	24-Dec-2012 14:46:01	Limit Group:	GC 8015C TPH ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	70013	Lims Sample ID:	6
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			

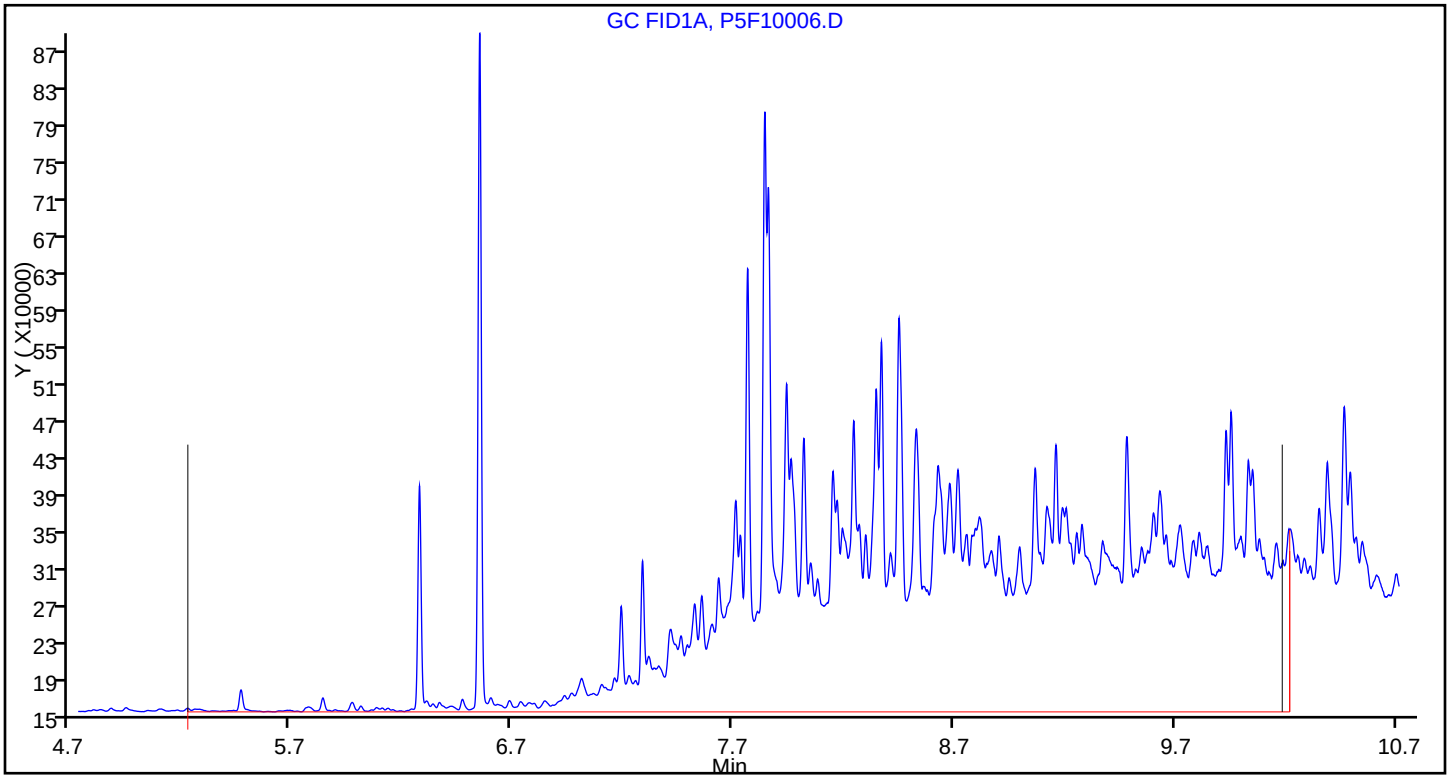


Report Date: 26-Dec-2012 09:57:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10006.D		
Injection Date:	24-Dec-2012 14:46:01	Limit Group:	GC 8015C TPH ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	70013	Lims Sample ID:	6
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 12 C10-C20, Detector: 1, GC FID1A

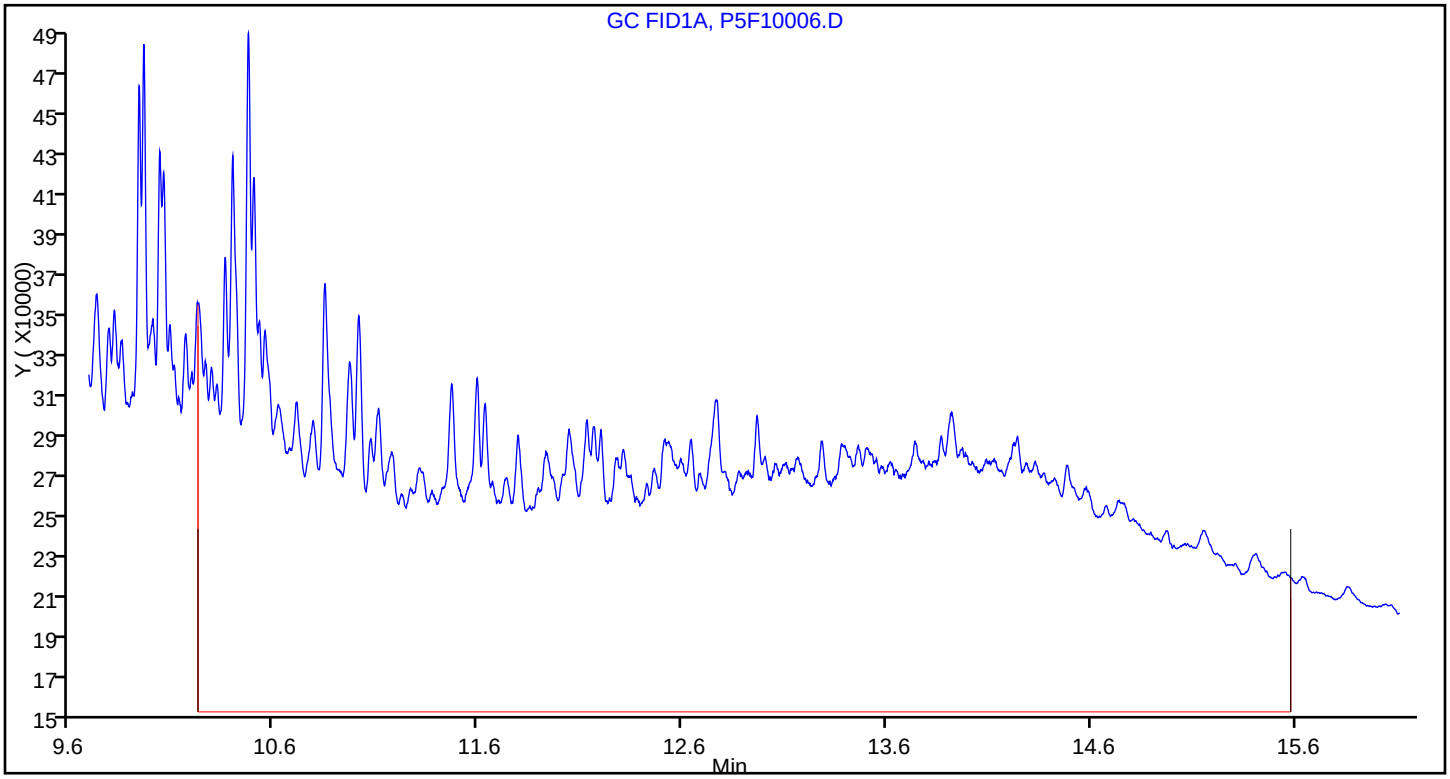


Report Date: 26-Dec-2012 09:57:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10006.D		
Injection Date:	24-Dec-2012 14:46:01	Limit Group:	GC 8015C TPH ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	70013	Lims Sample ID:	6
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 22 C20-C34, Detector: 1, GC FID1A



Report Date: 26-Dec-2012 09:57:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

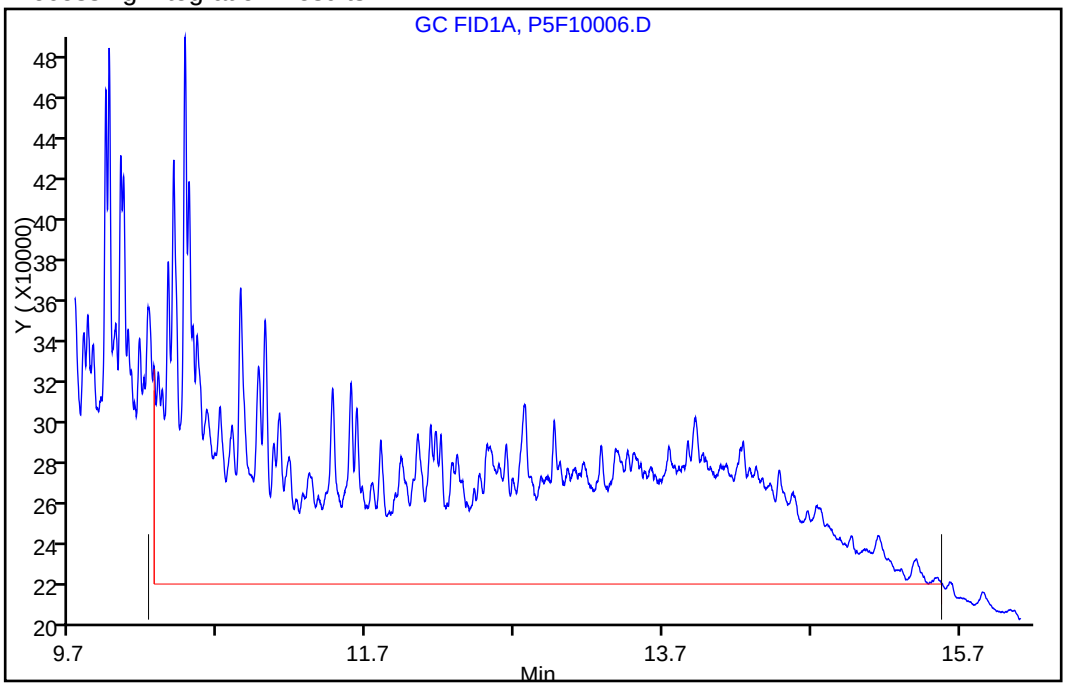
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10006.D		
Injection Date:	24-Dec-2012 14:46:01	Limit Group:	GC 8015C TPH ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	70013	Lims Sample ID:	6
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 22 C20-C34, Signal: 1, Type: quant, RT: 12.90

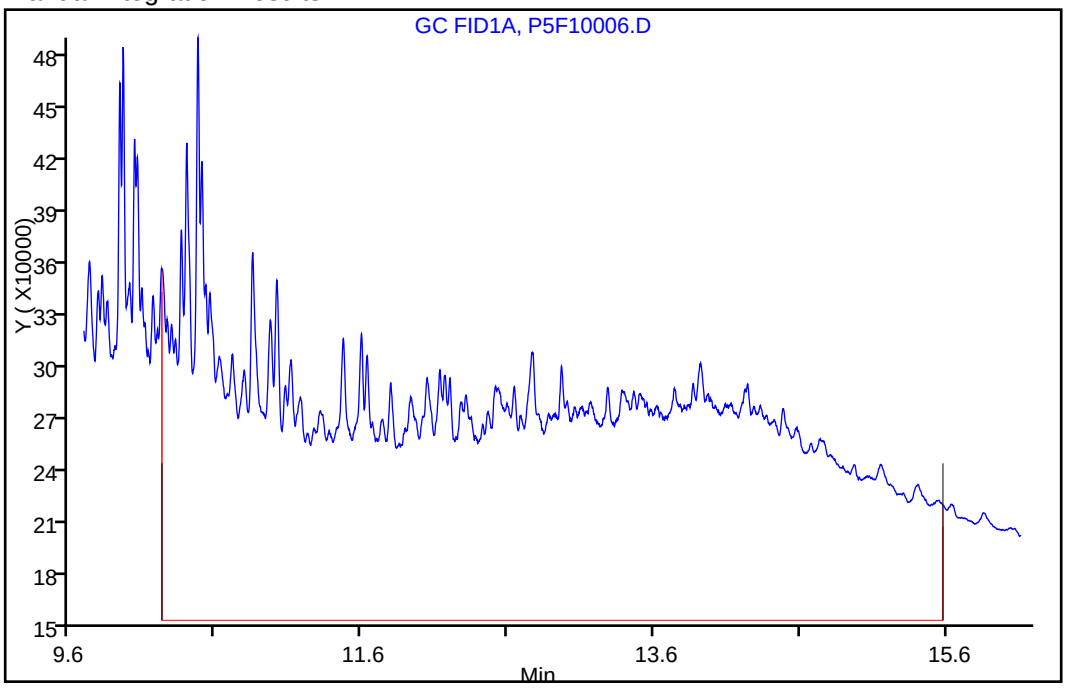
Processing Integration Results

RT: 12.92
Response: 16888678
Amount: 91.715341



Manual Integration Results

RT: 12.90
Response: 38069849
Amount: 206.7414



Reviewer: bolgrind, 26-Dec-2012 09:56:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-043M-0001-SO | Lab Sample ID: 240-18581-2

Matrix: Solid | Lab File ID: P6F24023.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 11:45

Extraction Method: 3540C | Date Extracted: 12/21/2012 11:38

Sample wt/vol: 30.11(g) | Date Analyzed: 12/25/2012 02:55

Con. Extract Vol.: 5(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.53(mm)

% Moisture: 20.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70006 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	350	D	100	58	58
STL00272	C20-C34	400	D M	100	58	58

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	63		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24023.D
Lims ID: 240-18581-H-2-D
Client ID: 070SB-043M-0001-SO
Inject. Date: 25-Dec-2012 02:55:33
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016152-023
Misc. Info.:
Operator: 4275
Instrument ID: A2HP6F
Injection Vol: 1.0 ul
ALS Bottle#: 23
Lims Batch ID: 70006
Lims Sample ID: 23
Detector: GC FID1A

Method: \\Ncchrom\ChromData\A2HP6F\20121224-16152.b\TPH6F.m
Last Update: 26-Dec-2012 09:44:40
Calib Date: 11-Dec-2012 18:11:22
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind
Date: 26-Dec-2012 09:35:43

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
		27.289				
A	2 C28-C36					
	15.186	13.701	-16.672	17727788	106.7	
A	3 C10-C34					
	10.316	5.154	- 15.478	125774334	721.2	
A	4 C32-C44					
		14.764	-14.769			
A	5 C12-C22					
	8.788	6.554	- 11.022	72441185	415.4	
A	6 C22-C32					
	12.893	11.022	-14.764	17122471	98.2	
	7 n-Octane					
	2.521	2.507	0.014	3907942	0	
$	8 n-Nonane					
	4.142	4.141	0.001	1749046	12.7	
	9 n-Decane					
	5.156	5.154	0.002	477	0	
	10 Dodecane					1
		6.554				
	11 n-Tetradecane					
	7.671	7.643	0.028	336055	0	
A	12 C10-C20					
	7.686	5.154	- 10.218	59403671	340.6	
	13 Hexadecane					
	8.607	8.591	0.016	419488	0	
A	14 C10-C28					
	9.410	5.119	- 13.701	109711025	660.0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.376	5.154 - 13.598		108412254	621.7	
16 n-Octadecane					
9.464	9.443	0.021	283188	0	
A 17 C10-C32					
9.959	5.154 - 14.764		121921197	699.1	
18 icosane					
10.212	10.218	-0.006	184397	0	
19 n-Docosane					
11.021	11.022	-0.001	93950	0	
A 20 C12-C24					
9.309	6.554 - 12.063		85599995	490.9	
21 n-Tetracosane					
12.062	12.063	-0.001	141136	0	
A 22 C20-C34					M
12.848	10.218 - 15.478		67027215	384.4	M
23 n-Hexacosane					
12.910	12.906	0.004	3340	0	
24 n-Octacosane					
13.591	13.598	-0.007	15354	0	
25 Triacontane					
14.204	14.198	0.006	2895	0	
26 Dotriacontane					
14.757	14.764	-0.007	3642	0	
27 Tetratriacontane					
15.472	15.478	-0.006	3198	0	
A 28 C24-C40					
15.975	12.063 - 19.886		50268647	288.3	
29 n-Hexatriacontane					
16.452	16.460	-0.008	1266	0	
30 C38					
17.861	17.863	-0.002	1097	0	
31 C40					1
19.886					
A 32 C20-C36					
13.339	10.218 - 16.460		65165598	373.7	
A 33 C24-C44					
19.566	12.063 - 27.069		57324631	328.7	
A 34 C10-C24					
8.609	5.154 - 12.063		88329286	506.5	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

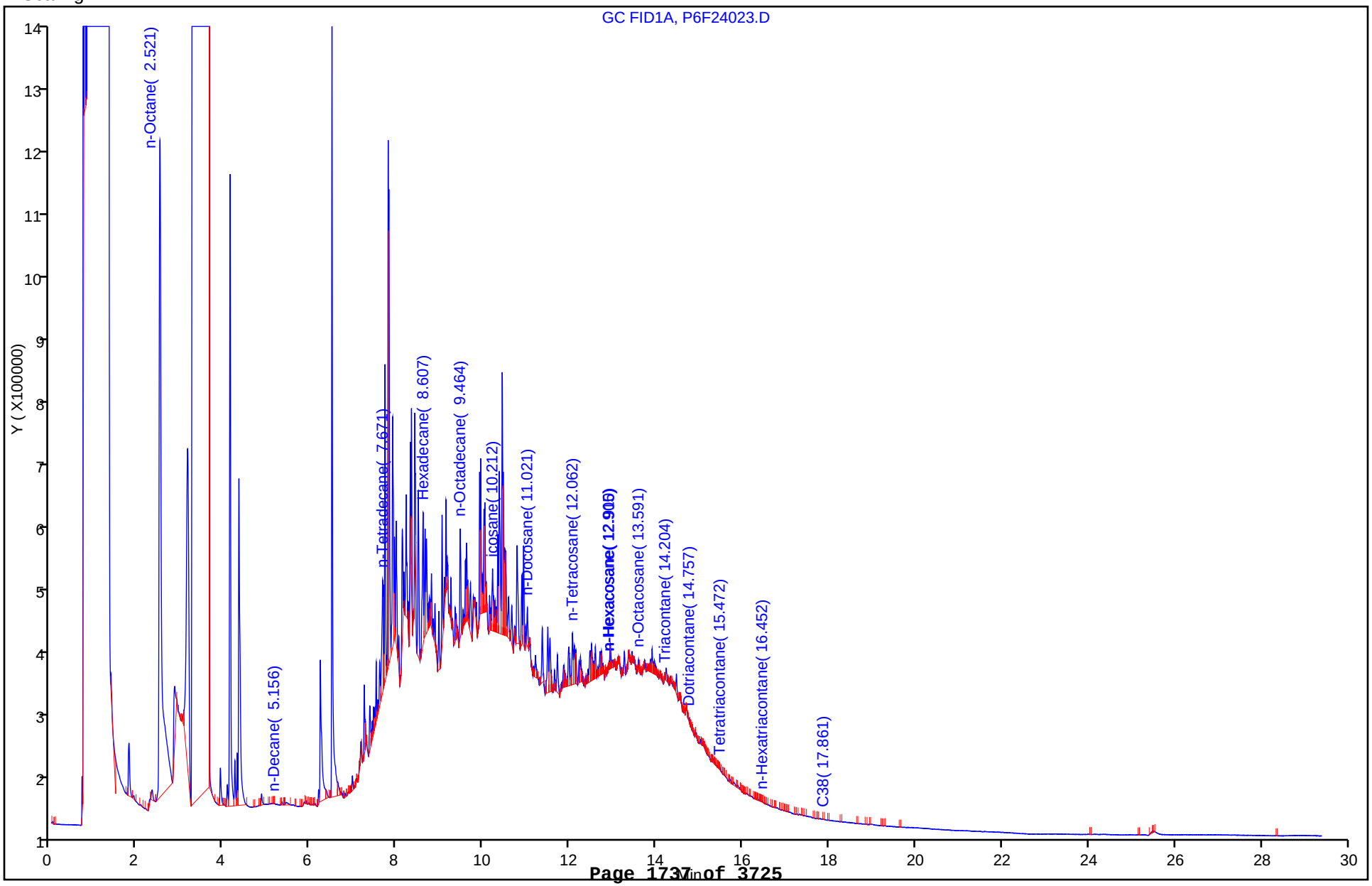
Report Date: 26-Dec-2012 09:44:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24023.D

Injection Date:	25-Dec-2012 02:55:33	Limit Group:	GC 8015C TPH ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	23
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:

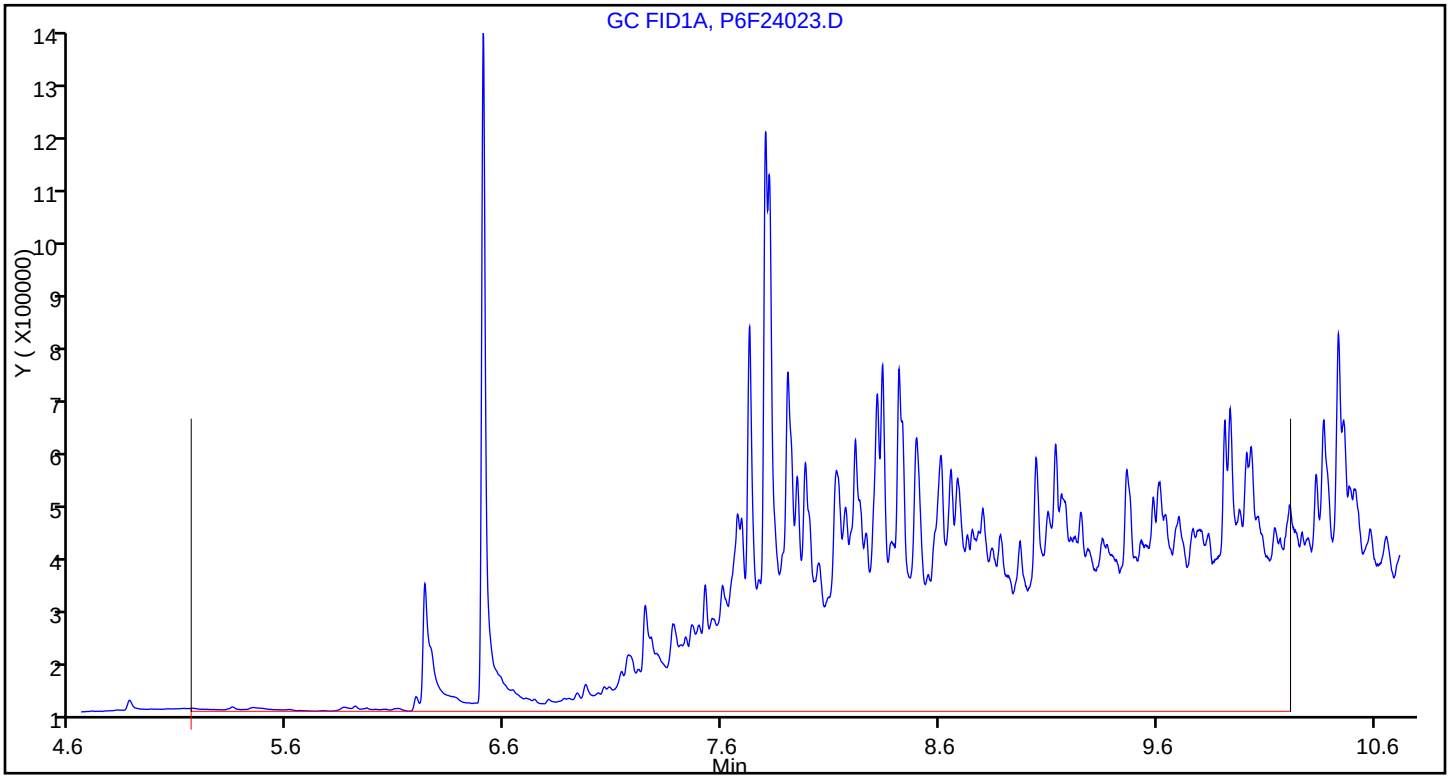


Report Date: 26-Dec-2012 09:44:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24023.D		
Injection Date:	25-Dec-2012 02:55:33	Limit Group:	GC 8015C TPH ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	23
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 12 C10-C20, Detector: 1, GC FID1A

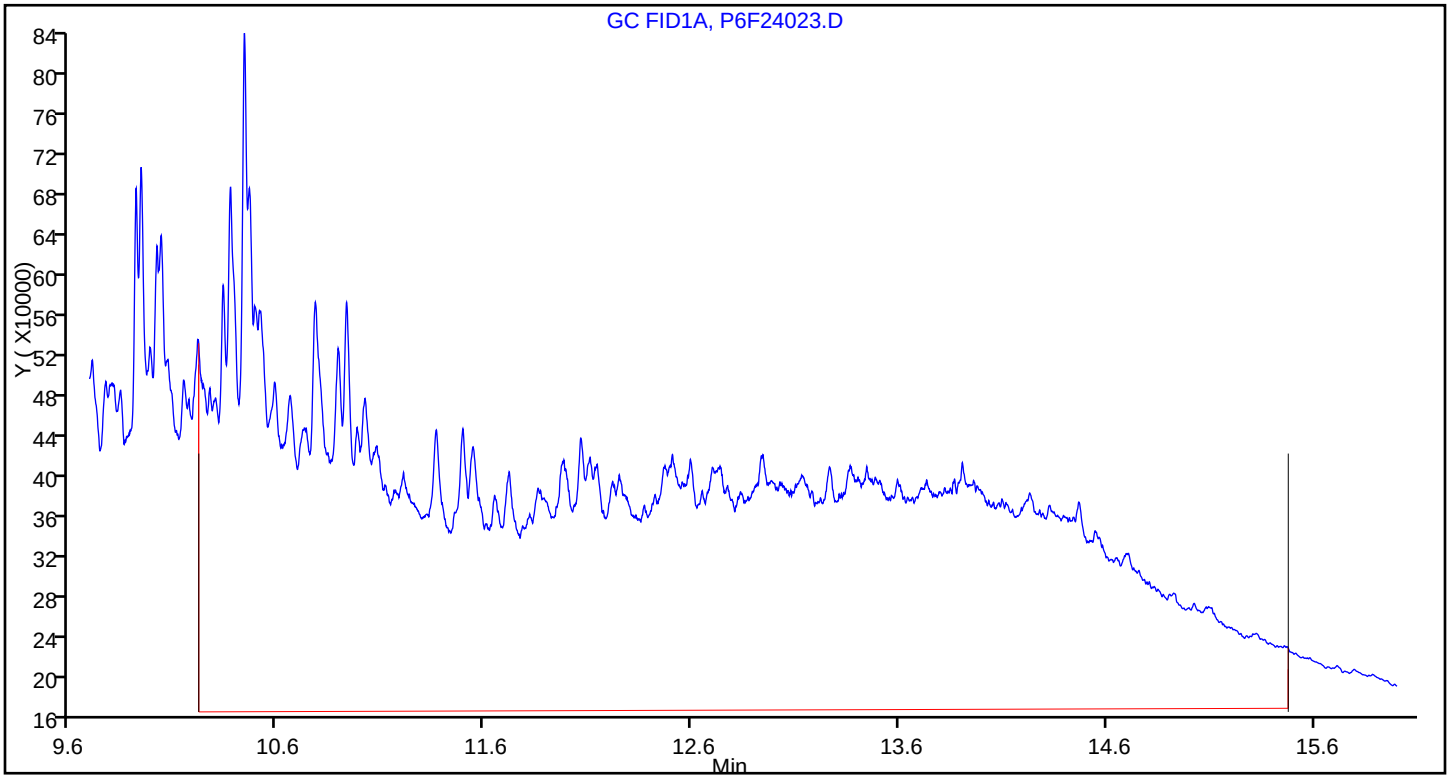


Report Date: 26-Dec-2012 09:44:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24023.D		
Injection Date:	25-Dec-2012 02:55:33	Limit Group:	GC 8015C TPH ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	23
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 22 C20-C34, Detector: 1, GC FID1A



Report Date: 26-Dec-2012 09:44:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

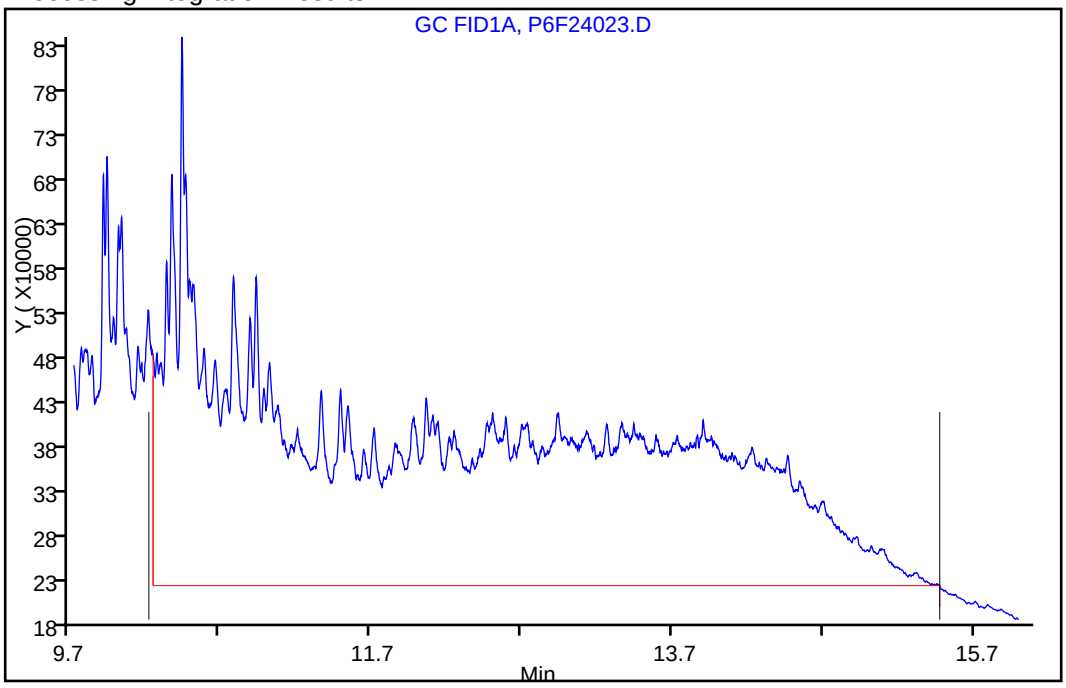
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24023.D		
Injection Date:	25-Dec-2012 02:55:33	Limit Group:	GC 8015C TPH ICAL
Client ID:	070SB-043M-0001-SO	Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	23
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 22 C20-C34, Signal: 1, Type: quant, RT: 12.85

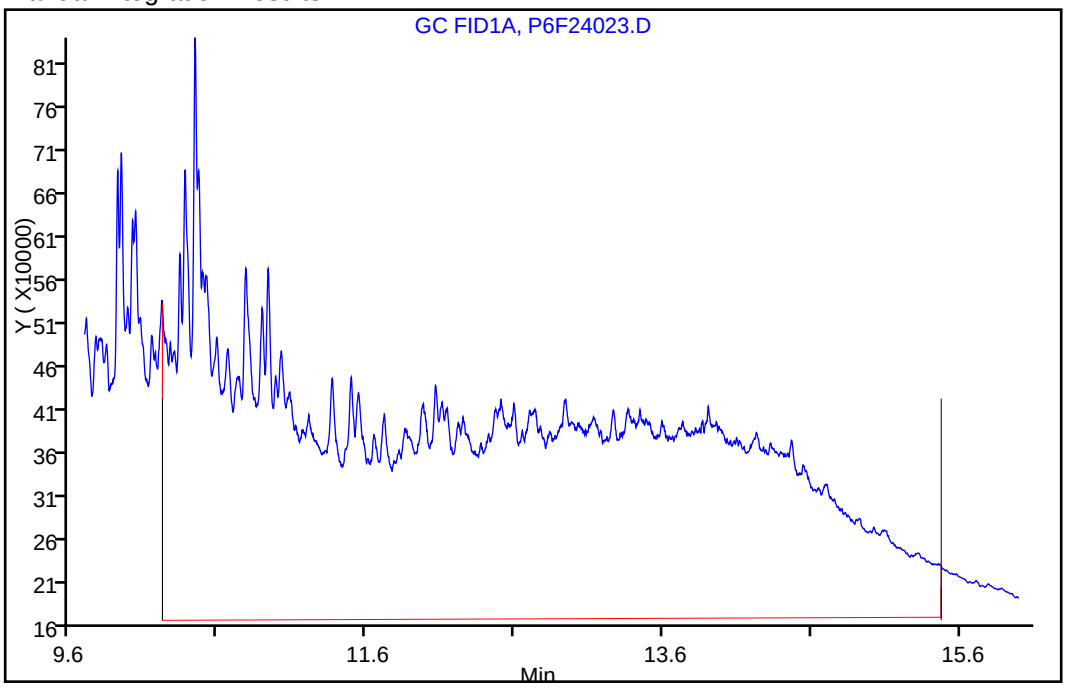
Processing Integration Results

RT: 12.86
Response: 47096326
Amount: 270.0667



Manual Integration Results

RT: 12.85
Response: 67027215
Amount: 384.3573



Reviewer: bolgrind, 26-Dec-2012 09:35:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0056-0001-SO | Lab Sample ID: 240-18581-7

Matrix: Solid | Lab File ID: P5F10029.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 13:04

Extraction Method: 3540C | Date Extracted: 12/19/2012 11:57

Sample wt/vol: 29.75(g) | Date Analyzed: 12/21/2012 05:06

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 12.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	11	U	19	11	11
STL00272	C20-C34	11	U	19	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	44		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10029.D		
Lims ID:	240-18581-H-7-C	Client ID:	072SB-0056-0001-SO
Inject. Date:	21-Dec-2012 05:06:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016061-029		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	69606	Lims Sample ID:	29
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	21-Dec-2012 09:34:16	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK029		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.265	4.268	-0.003	8464484	43.6	
A 12 C10-C20					
5.250 - 10.235					
A 15 Diesel					
5.250 - 13.620					
A 22 C20-C34					
10.235 - 15.599					

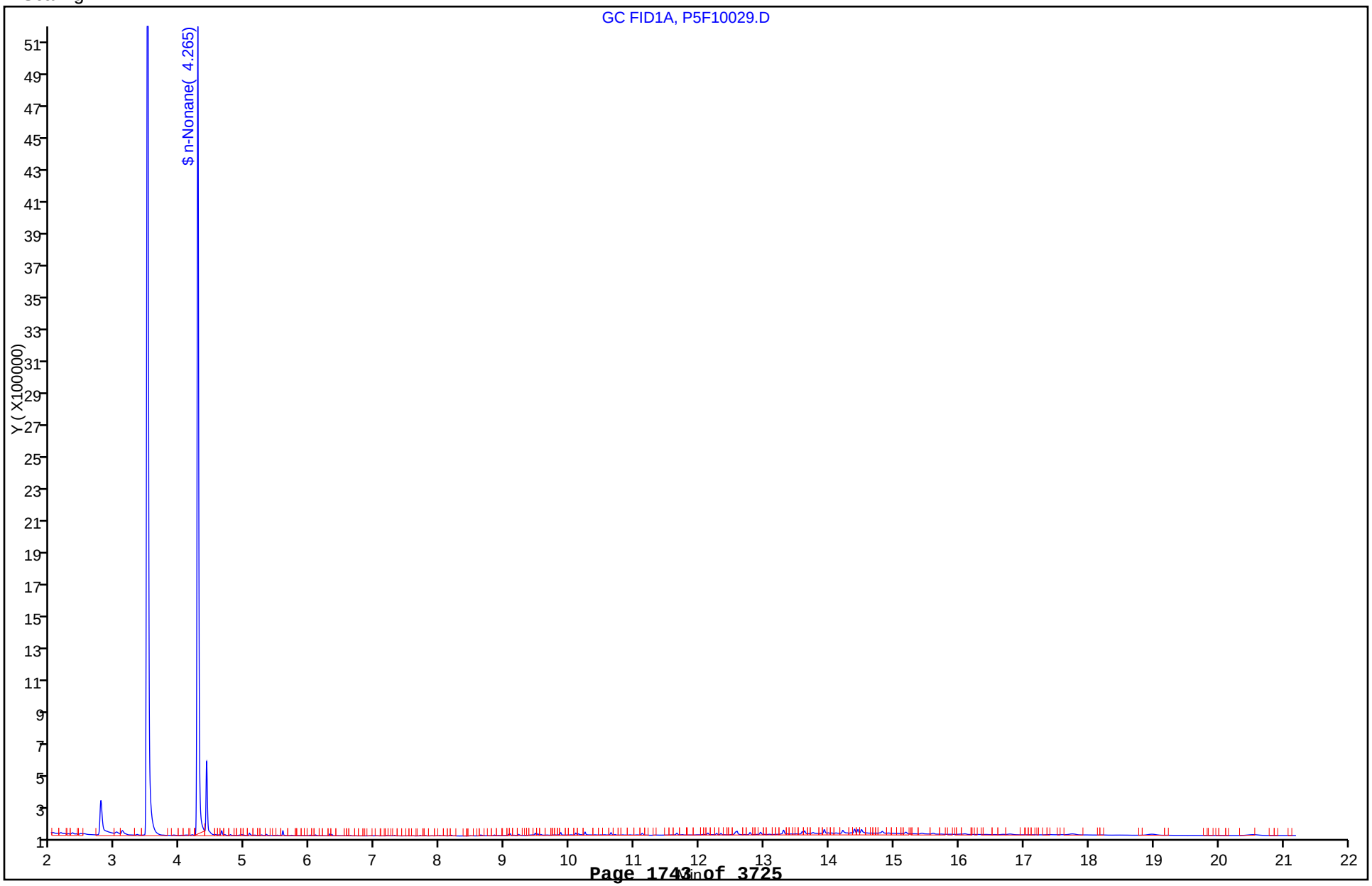
Report Date: 21-Dec-2012 09:34:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10029.D

Injection Date:	21-Dec-2012 05:06:54	Limit Group:	GC 8015C TPH ICAL
Client ID:	072SB-0056-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	29
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0057-0001-SO | Lab Sample ID: 240-18581-8

Matrix: Solid | Lab File ID: P5F10030.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 13:25

Extraction Method: 3540C | Date Extracted: 12/19/2012 11:57

Sample wt/vol: 29.90(g) | Date Analyzed: 12/21/2012 05:36

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 13.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	11	U	19	11	11
STL00272	C20-C34	11	U	19	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	48		10-110

TestAmerica Canton
Target Compound Quantitation Report

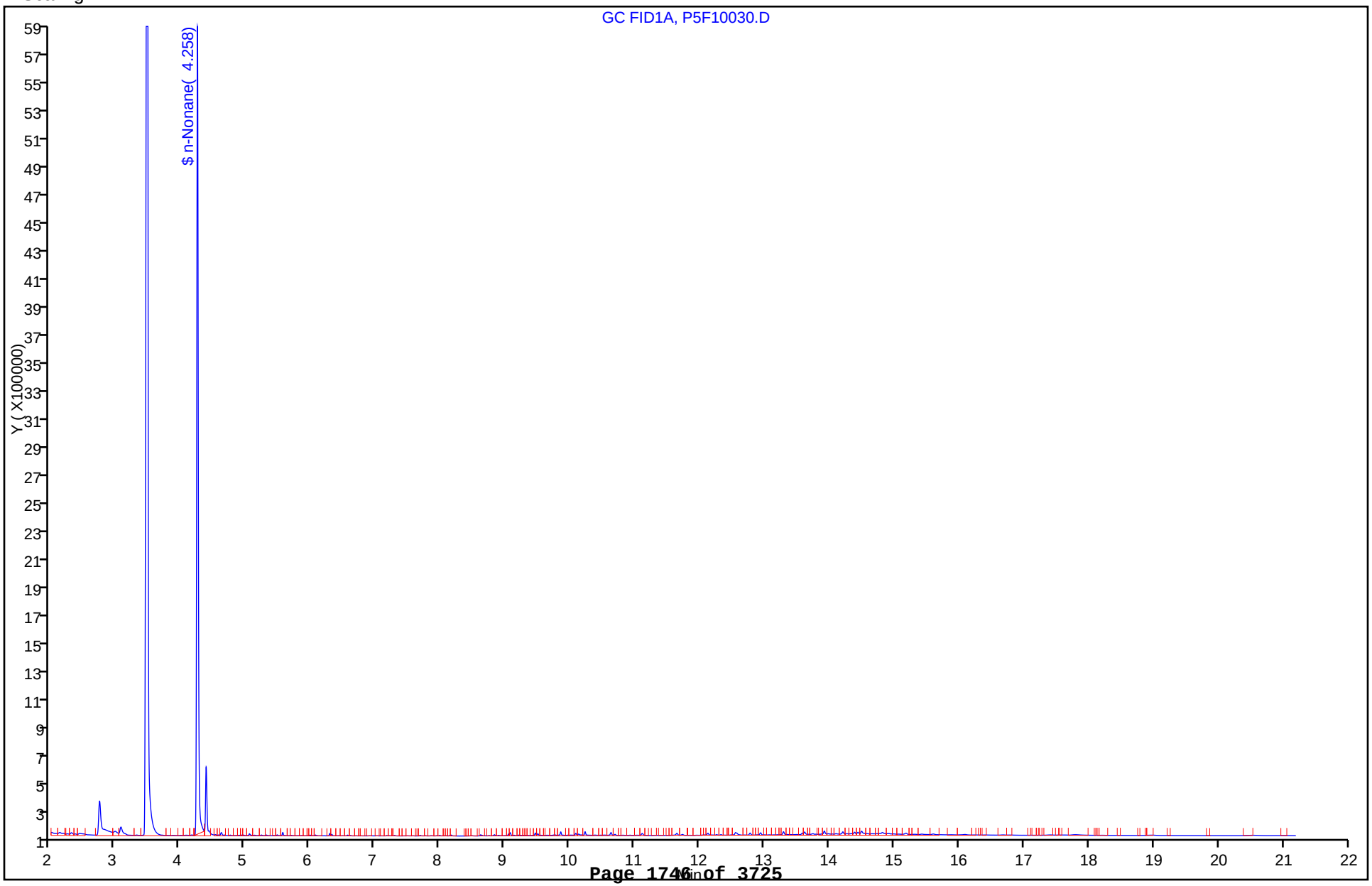
Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10030.D		
Lims ID:	240-18581-H-8-C	Client ID:	072SB-0057-0001-SO
Inject. Date:	21-Dec-2012 05:36:57	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016061-030		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	69606	Lims Sample ID:	30
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	21-Dec-2012 09:34:16	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK029		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.258	4.268	-0.010	9254732	47.7	
A 12 C10-C20					
5.250 - 10.235					
A 15 Diesel					
5.250 - 13.620					
A 22 C20-C34					
10.235 - 15.599					

Report Date: 21-Dec-2012 09:34:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10030.D		
Injection Date:	21-Dec-2012 05:36:57	Limit Group:	GC 8015C TPH ICAL
Client ID:	072SB-0057-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	30
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0058-0001-SO | Lab Sample ID: 240-18581-9

Matrix: Solid | Lab File ID: P5F10031.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 13:35

Extraction Method: 3540C | Date Extracted: 12/19/2012 11:57

Sample wt/vol: 29.63(g) | Date Analyzed: 12/21/2012 06:07

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 11.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	11	U	19	11	11
STL00272	C20-C34	11	U	19	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	52		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10031.D		
Lims ID:	240-18581-H-9-C	Client ID:	072SB-0058-0001-SO
Inject. Date:	21-Dec-2012 06:07:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016061-031		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	69606	Lims Sample ID:	31
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	21-Dec-2012 09:34:16	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK029		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.258	4.268	-0.010	10184729	52.5	
A 12 C10-C20					
5.250 - 10.235					
A 15 Diesel					
5.250 - 13.620					
A 22 C20-C34					
10.235 - 15.599					

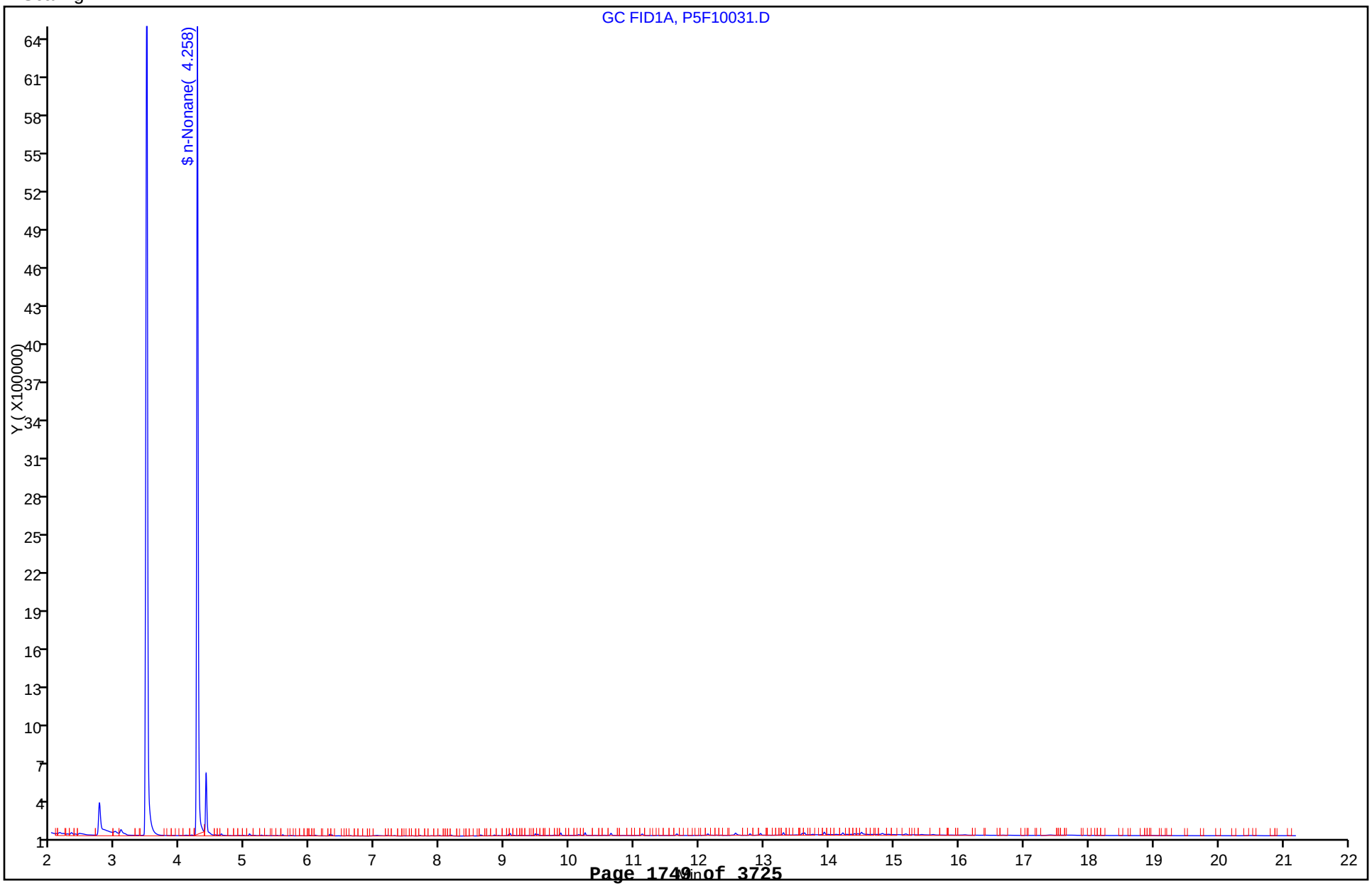
Report Date: 21-Dec-2012 09:34:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10031.D

Injection Date:	21-Dec-2012 06:07:00	Limit Group:	GC 8015C TPH ICAL
Client ID:	072SB-0058-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	31
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0059-0001-SO | Lab Sample ID: 240-18581-10

Matrix: Solid | Lab File ID: P5F10032.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 13:37

Extraction Method: 3540C | Date Extracted: 12/19/2012 11:57

Sample wt/vol: 30.15(g) | Date Analyzed: 12/21/2012 06:36

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 10.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	10	U	19	10	10
STL00272	C20-C34	10	U	19	10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	40		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10032.D		
Lims ID:	240-18581-H-10-C	Client ID:	072SB-0059-0001-SO
Inject. Date:	21-Dec-2012 06:36:59	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016061-032		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	32
Lims Batch ID:	69606	Lims Sample ID:	32
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	21-Dec-2012 09:34:16	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK029		

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane	4.261	4.268	-0.007	7808266	40.2	
A 12 C10-C20	5.250 - 10.235					
A 15 Diesel	5.250 - 13.620					
A 22 C20-C34	10.235 - 15.599					

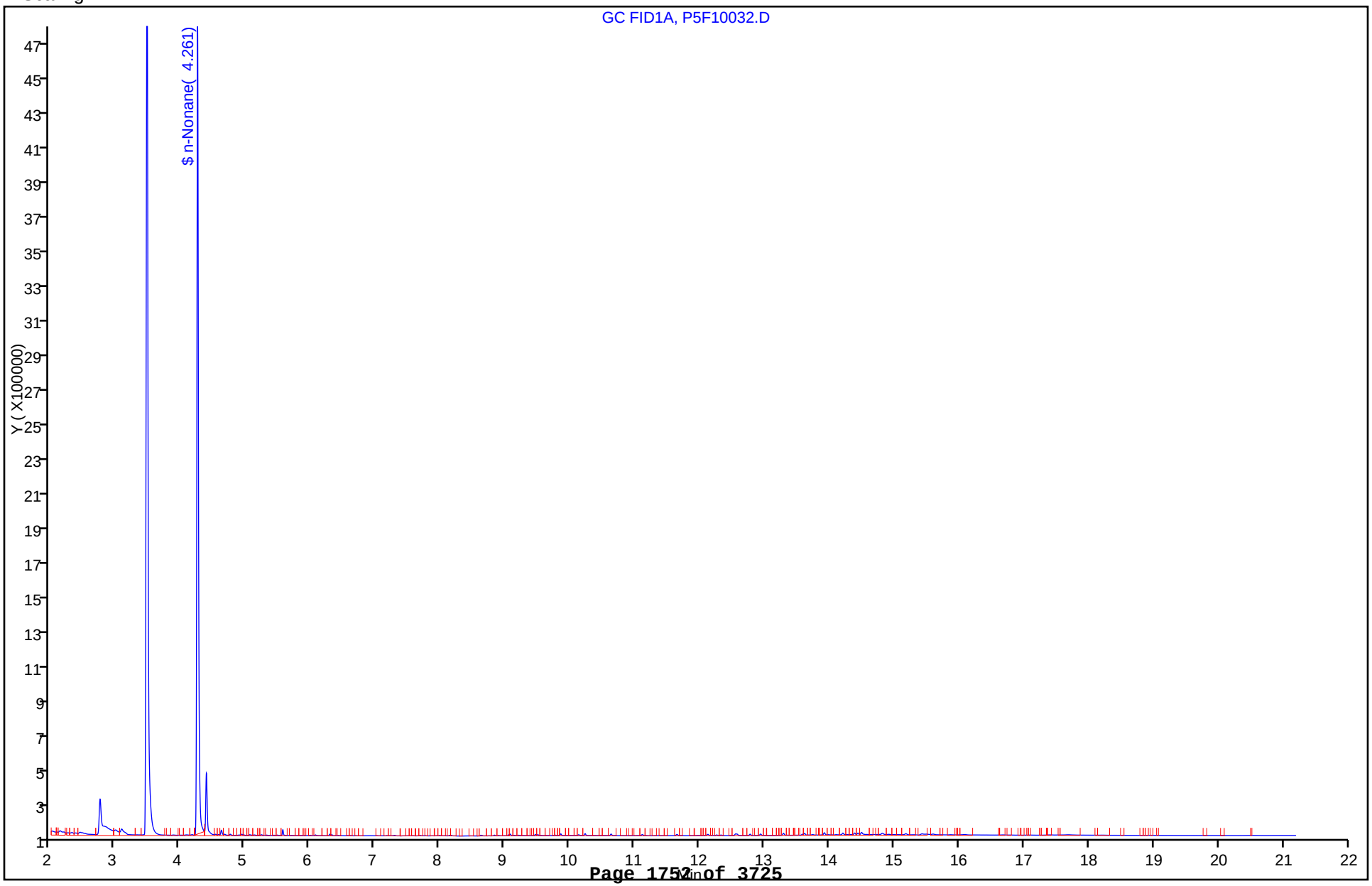
Report Date: 21-Dec-2012 09:34:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10032.D

Injection Date:	21-Dec-2012 06:36:59	Limit Group:	GC 8015C TPH ICAL
Client ID:	072SB-0059-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	32
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0060-0001-SO | Lab Sample ID: 240-18581-11

Matrix: Solid | Lab File ID: P5F10033.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 13:45

Extraction Method: 3540C | Date Extracted: 12/19/2012 11:57

Sample wt/vol: 29.61(g) | Date Analyzed: 12/21/2012 07:07

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 9.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	10	U	19	10	10
STL00272	C20-C34	10	U	19	10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	53		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10033.D		
Lims ID:	240-18581-H-11-C	Client ID:	072SB-0060-0001-SO
Inject. Date:	21-Dec-2012 07:07:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016061-033		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	33
Lims Batch ID:	69606	Lims Sample ID:	33
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	21-Dec-2012 09:34:16	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK029		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.265	4.268	-0.003	10278288	53.0	
A 12 C10-C20					
5.250 - 10.235					
A 15 Diesel					
5.250 - 13.620					
A 22 C20-C34					
10.235 - 15.599					

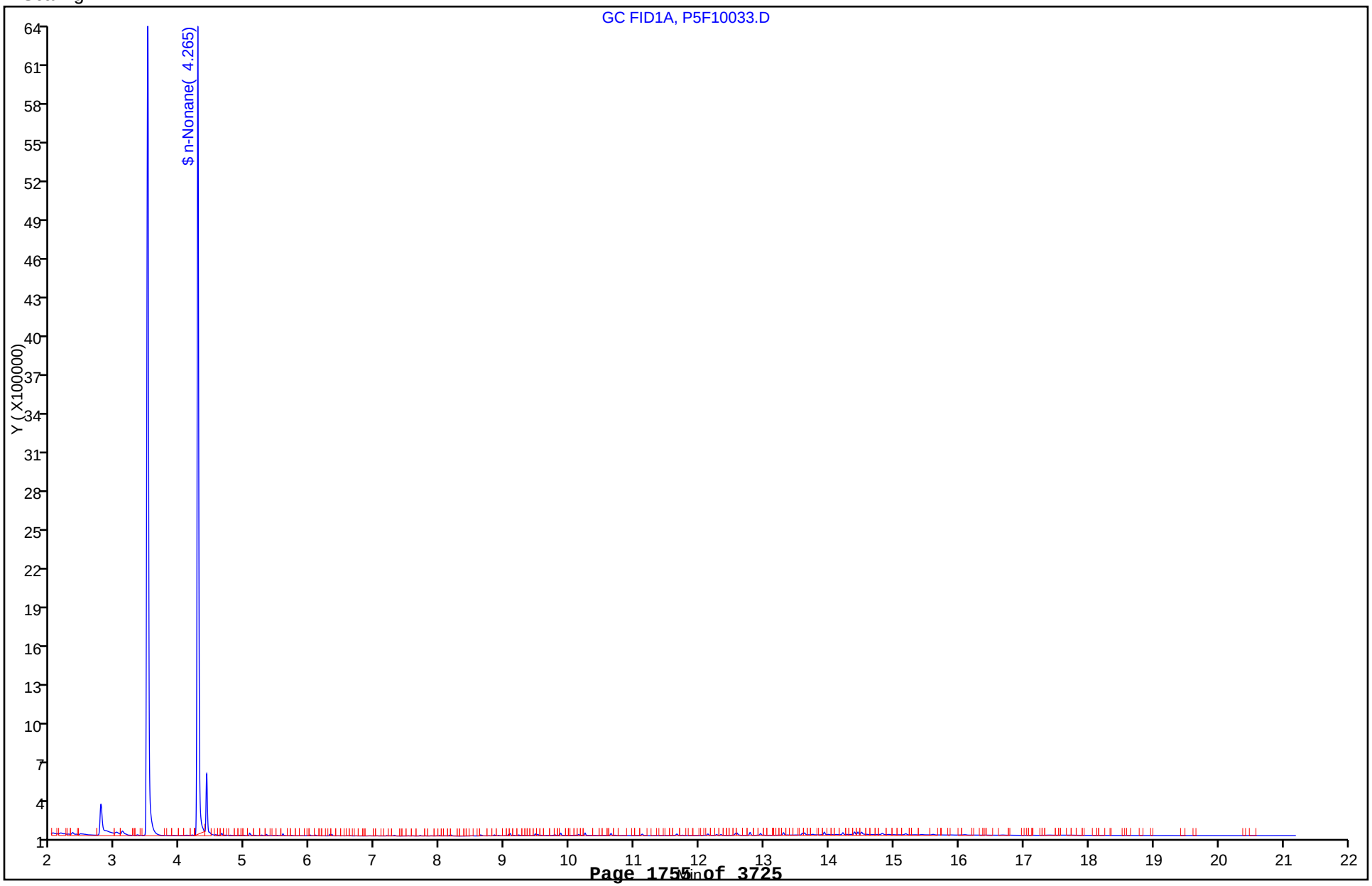
Report Date: 21-Dec-2012 09:34:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10033.D

Injection Date:	21-Dec-2012 07:07:00	Limit Group:	GC 8015C TPH ICAL
Client ID:	072SB-0060-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	33
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0070-0001-SO | Lab Sample ID: 240-18581-13

Matrix: Solid | Lab File ID: P5F10035.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 14:20

Extraction Method: 3540C | Date Extracted: 12/19/2012 11:57

Sample wt/vol: 30.01(g) | Date Analyzed: 12/21/2012 08:06

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 11.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	10	U	19	10	10
STL00272	C20-C34	10	U	19	10	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	52		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10035.D		
Lims ID:	240-18581-H-13-C	Client ID:	072SB-0070-0001-SO
Inject. Date:	21-Dec-2012 08:06:52	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016061-035		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	35
Lims Batch ID:	69606	Lims Sample ID:	35
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	21-Dec-2012 11:29:06	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK029		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.262	4.268	-0.006	10092692	52.0	
A 12 C10-C20					
	5.250 - 10.235				
A 15 Diesel					
9.435	5.250 - 13.620		7257862	39.4	
A 22 C20-C34					
	10.235 - 15.599				

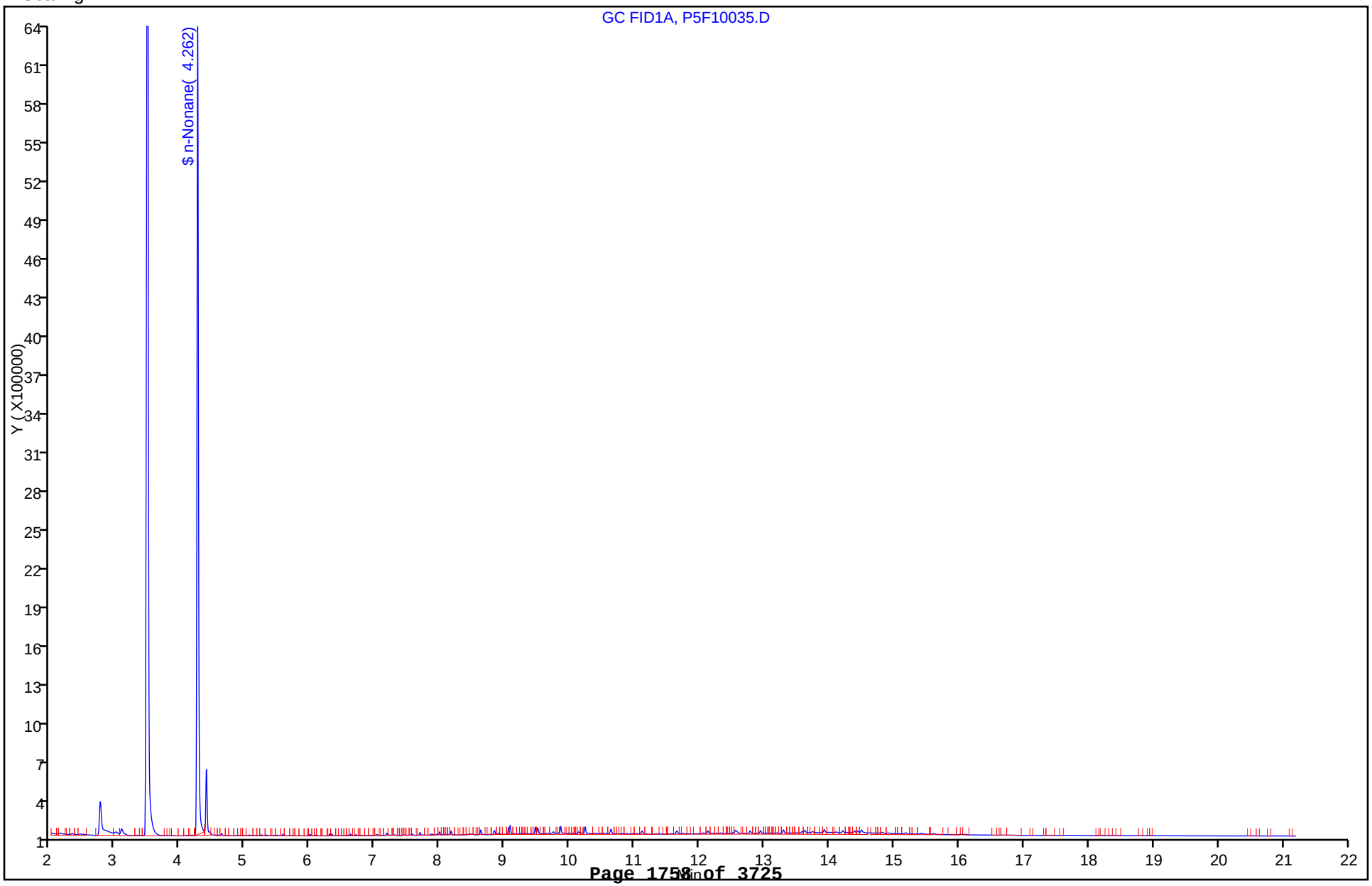
Report Date: 21-Dec-2012 11:29:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10035.D

Injection Date:	21-Dec-2012 08:06:52	Limit Group:	GC 8015C TPH ICAL
Client ID:	072SB-0070-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	35
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0071-0001-SO | Lab Sample ID: 240-18581-14

Matrix: Solid | Lab File ID: P5F10036.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 14:40

Extraction Method: 3540C | Date Extracted: 12/19/2012 11:57

Sample wt/vol: 29.69(g) | Date Analyzed: 12/21/2012 08:36

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 12.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	11	U	19	11	11
STL00272	C20-C34	11	U	19	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	52		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10036.D		
Lims ID:	240-18581-H-14-C	Client ID:	072SB-0071-0001-SO
Inject. Date:	21-Dec-2012 08:36:55	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016061-036		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	36
Lims Batch ID:	69606	Lims Sample ID:	36
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	21-Dec-2012 11:29:06	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK029		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.257	4.268	-0.011	9997918	51.5	
A 12 C10-C20					
5.250 - 10.235					
A 15 Diesel					
5.250 - 13.620					
A 22 C20-C34					
10.235 - 15.599					

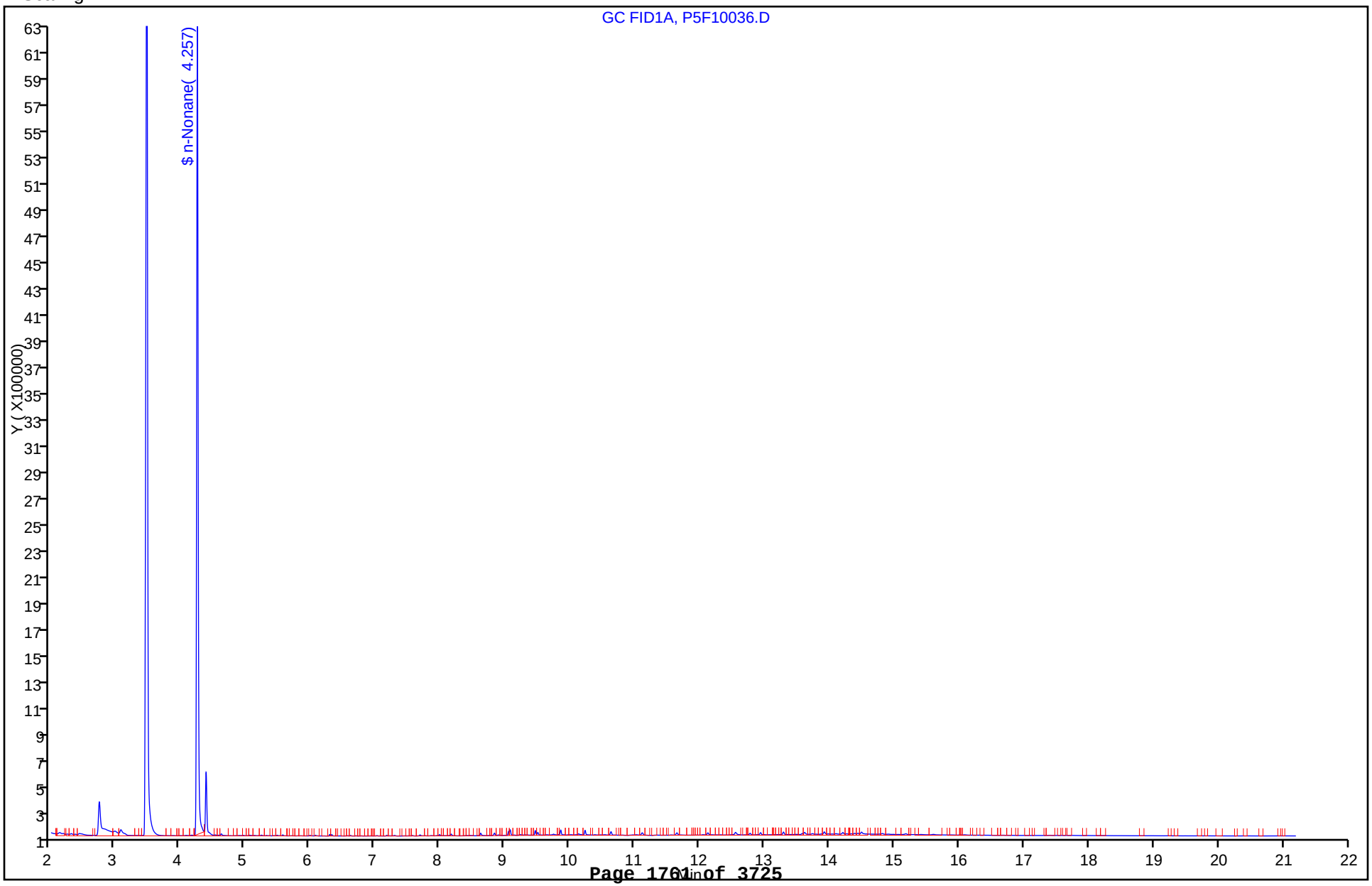
Report Date: 21-Dec-2012 11:29:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10036.D

Injection Date:	21-Dec-2012 08:36:55	Limit Group:	GC 8015C TPH ICAL
Client ID:	072SB-0071-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	36
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0072-0001-SO | Lab Sample ID: 240-18581-15

Matrix: Solid | Lab File ID: P5F10037.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 14:55

Extraction Method: 3540C | Date Extracted: 12/19/2012 11:57

Sample wt/vol: 30.34(g) | Date Analyzed: 12/21/2012 09:06

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 13.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	11	U	19	11	11
STL00272	C20-C34	11	U	19	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	55		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10037.D		
Lims ID:	240-18581-H-15-C	Client ID:	072SB-0072-0001-SO
Inject. Date:	21-Dec-2012 09:06:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016061-037		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	37
Lims Batch ID:	69606	Lims Sample ID:	37
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	21-Dec-2012 11:29:06	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK029		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.261	4.268	-0.007	10645915	54.9	
A 12 C10-C20					
5.250 - 10.235					
A 15 Diesel					
5.250 - 13.620					
A 22 C20-C34					
10.235 - 15.599					

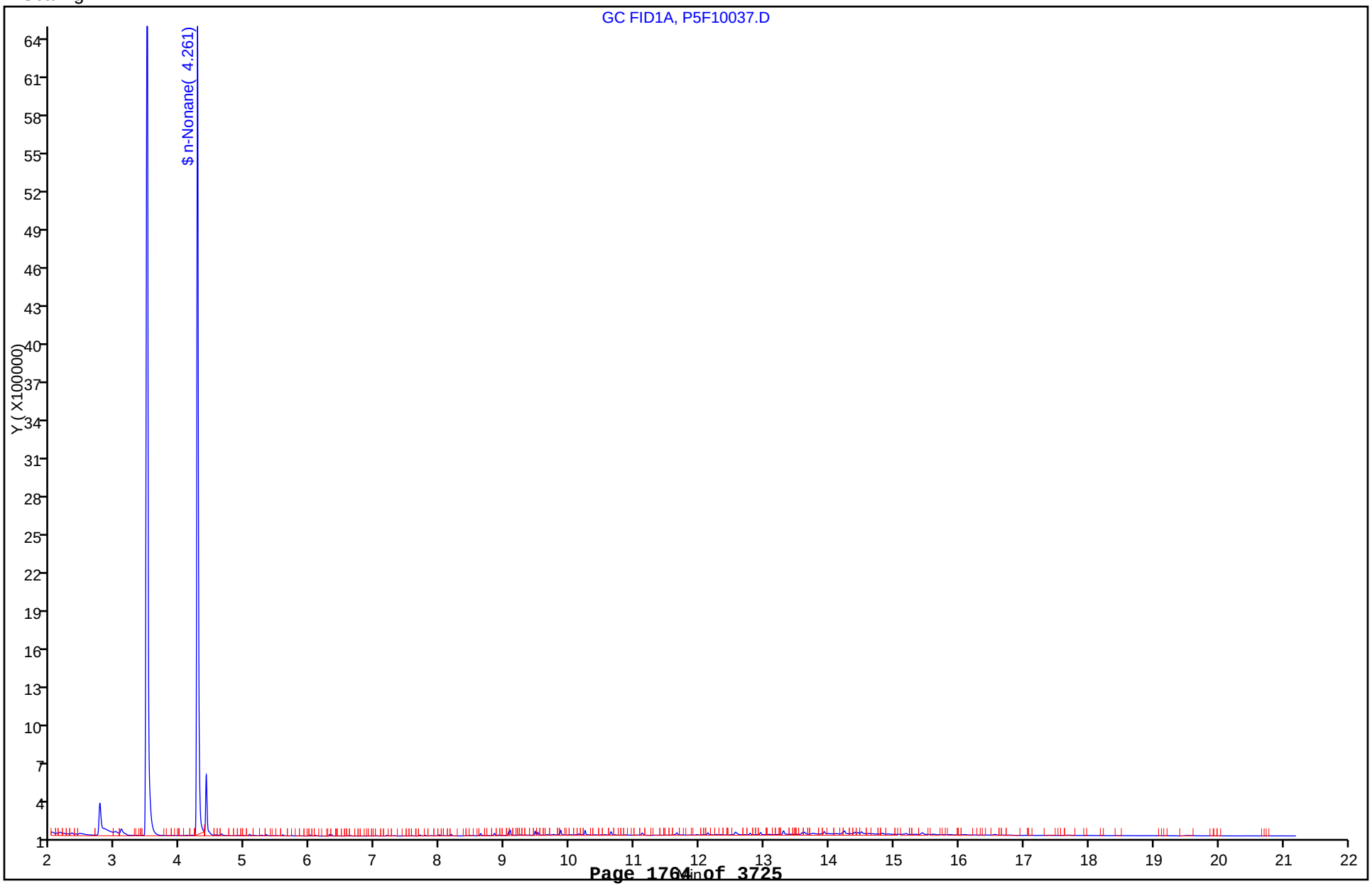
Report Date: 21-Dec-2012 11:29:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10037.D

Injection Date:	21-Dec-2012 09:06:54	Limit Group:	GC 8015C TPH ICAL
Client ID:	072SB-0072-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	37
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 072SB-0073-0001-SO | Lab Sample ID: 240-18581-16

Matrix: Solid | Lab File ID: P5F10042.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 15:05

Extraction Method: 3540C | Date Extracted: 12/19/2012 11:57

Sample wt/vol: 30.21(g) | Date Analyzed: 12/21/2012 11:40

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 12.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	11	U	19	11	11
STL00272	C20-C34	11	U	19	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	49		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10042.D		
Lims ID:	240-18581-H-16-C	Client ID:	072SB-0073-0001-SO
Inject. Date:	21-Dec-2012 11:40:47	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016061-042		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	42
Lims Batch ID:	69606	Lims Sample ID:	42
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	24-Dec-2012 09:04:22	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.262	4.268	-0.006	9586564	49.4	
A 12 C10-C20					
5.250 - 10.235					
A 15 Diesel					
5.250 - 13.620					
A 22 C20-C34					
10.275 - 15.599					

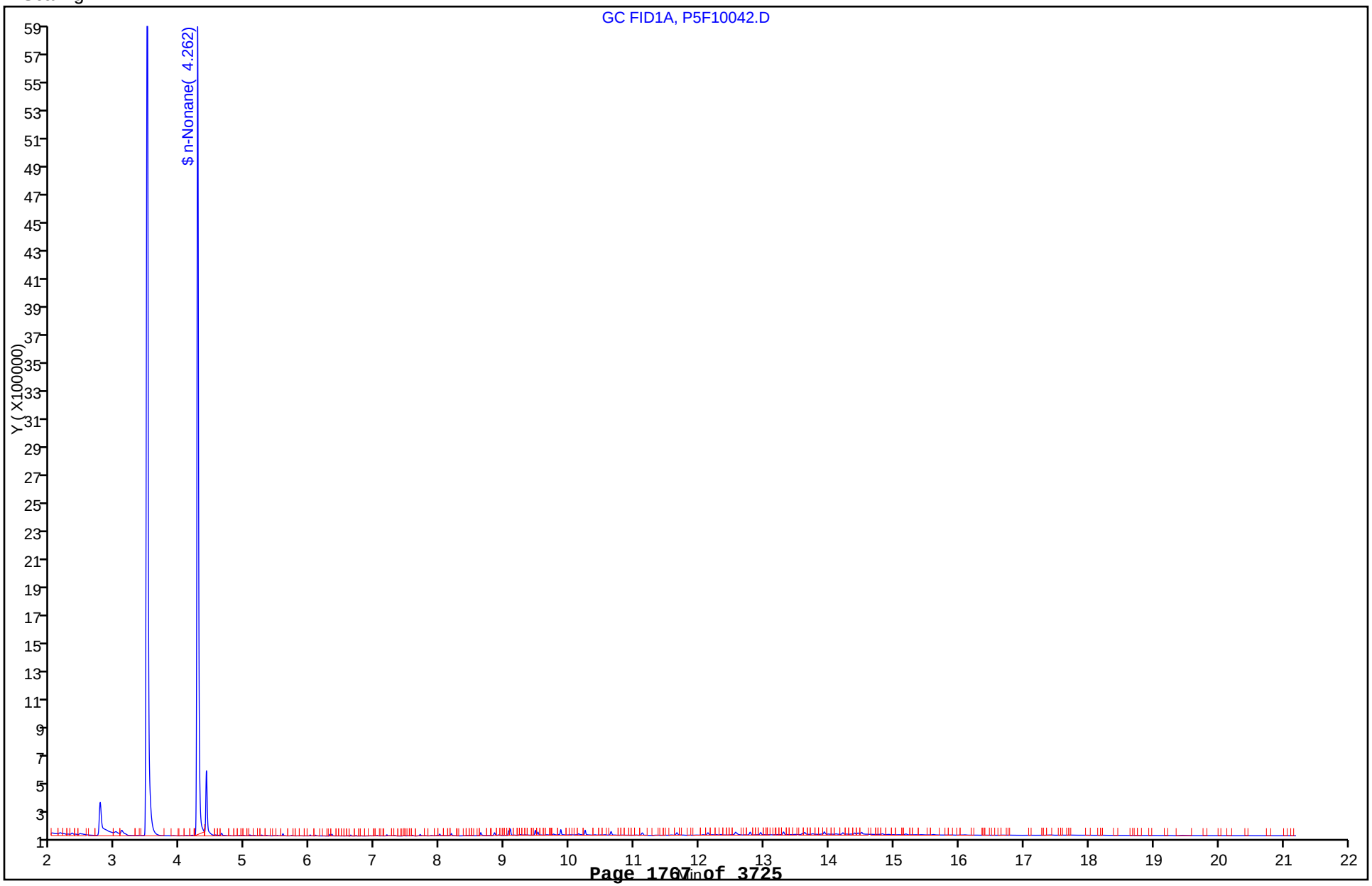
Report Date: 24-Dec-2012 09:04:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10042.D

Injection Date:	21-Dec-2012 11:40:47	Limit Group:	GC 8015C TPH ICAL
Client ID:	072SB-0073-0001-SO	Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	42
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 58815

SDG No.:

Instrument ID: A2HP5F GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2012 14:20 Calibration End Date: 09/24/2012 16:19 Calibration ID: 11556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-58815/4	P5F92404.D
Level 2	STD2 240-58815/5	P5F92405.D
Level 3	STD3 240-58815/6	P5F92406.D
Level 4	STD4 240-58815/7	P5F92407.D
Level 5	STD5 240-58815/8	P5F92408.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Diesel Range Organics [C10 - C28]	10.116	10.112	10.112	10.112	10.112						6.201 - 14.024	10.113
n-Nonane	5.515	5.514	5.516	5.518	5.512						5.445 - 5.585	5.515

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 58815

SDG No.:

Instrument ID: A2HP5F GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2012 14:20 Calibration End Date: 09/24/2012 16:19 Calibration ID: 11556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-58815/4	P5F92404.D
Level 2	STD2 240-58815/5	P5F92405.D
Level 3	STD3 240-58815/6	P5F92406.D
Level 4	STD4 240-58815/7	P5F92407.D
Level 5	STD5 240-58815/8	P5F92408.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Diesel Range Organics [C10 - C28]	209355 177688	180351	179612	173706	Ave		184142.345				7.8		20.0			
n-Nonane	209776 190373	190419	194560	185317	Ave		194088.823				4.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 58815

SDG No.:

Instrument ID: A2HP5F GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2012 14:20 Calibration End Date: 09/24/2012 16:19 Calibration ID: 11556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-58815/4	P5F92404.D
Level 2	STD2 240-58815/5	P5F92405.D
Level 3	STD3 240-58815/6	P5F92406.D
Level 4	STD4 240-58815/7	P5F92407.D
Level 5	STD5 240-58815/8	P5F92408.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Diesel Range Organics [C10 - C28]	Ave	20935488	36070289	89805886	173705861	355375537	100	200	500	1000	2000
n-Nonane	Ave	2097756	3808378	9727983	18531718	38074555	10.0	20.0	50.0	100	200

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92404.D		
Lims ID:	STD1 Diesel	Client ID:	
Inject. Date:	24-Sep-2012 14:20:11	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0013485-004		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	58815	Lims Sample ID:	4
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\TPH5F.m		
Last Update:	25-Sep-2012 15:24:14	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		
First Level Reviewer: bolgrind		Date:	25-Sep-2012 11:50:31

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
5.515	5.515	0.000	2097756	10.8	
A 15 Diesel					
10.116	6.201 - 14.024		20935488	113.7	

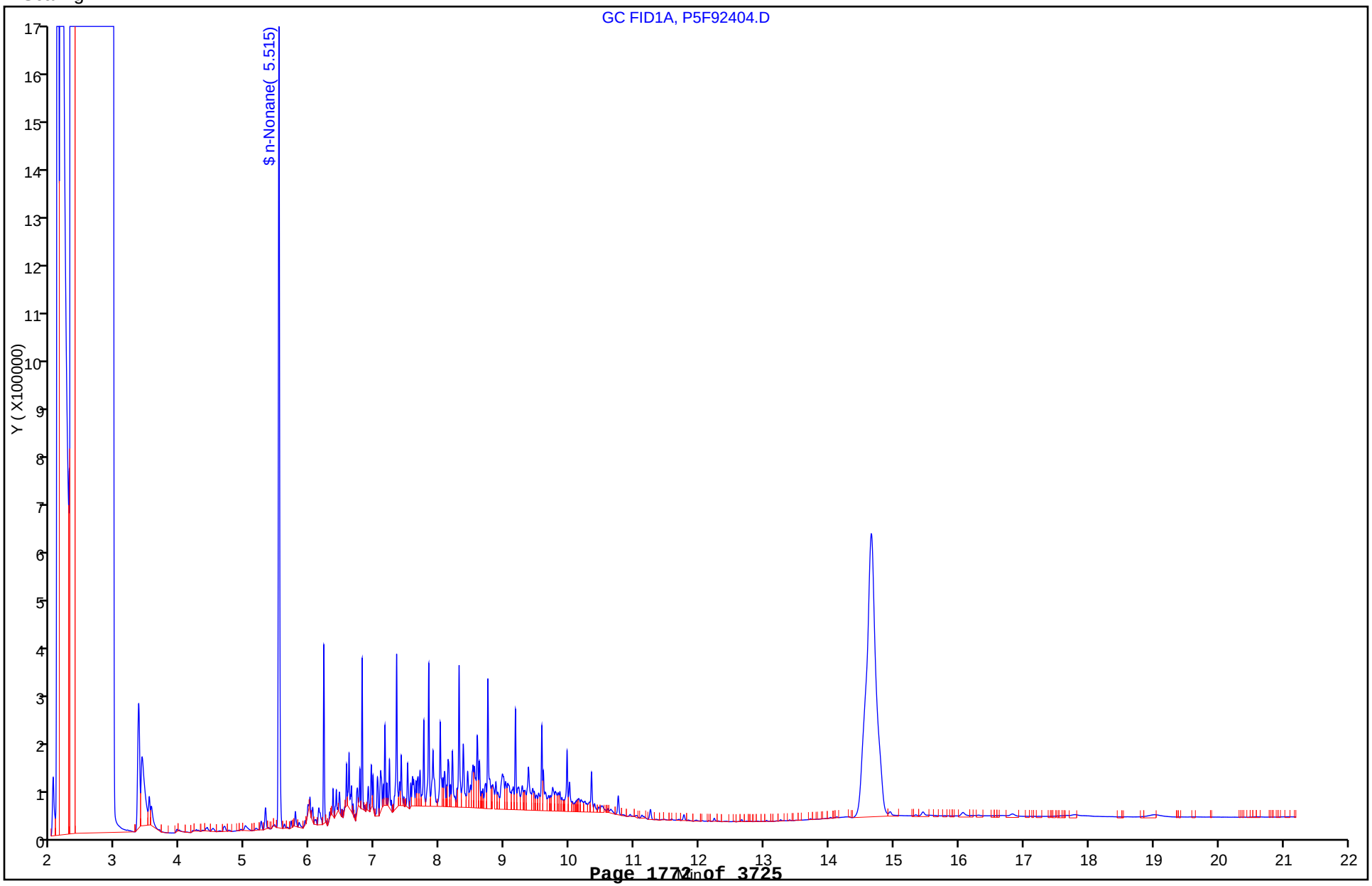
Report Date: 25-Sep-2012 15:24:14 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92404.D

Injection Date:	24-Sep-2012 14:20:11	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	58815	Lims Sample ID:	4
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92405.D		
Lims ID:	STD2 Diesel	Client ID:	
Inject. Date:	24-Sep-2012 14:50:03	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0013485-005		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	58815	Lims Sample ID:	5
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\TPH5F.m		
Last Update:	25-Sep-2012 15:24:15	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		
First Level Reviewer: bolgrind		Date:	25-Sep-2012 11:50:42

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
5.514	5.515	-0.001	3808378	19.6	
A 15 Diesel					
10.112	6.201 - 14.024		36070289	195.9	

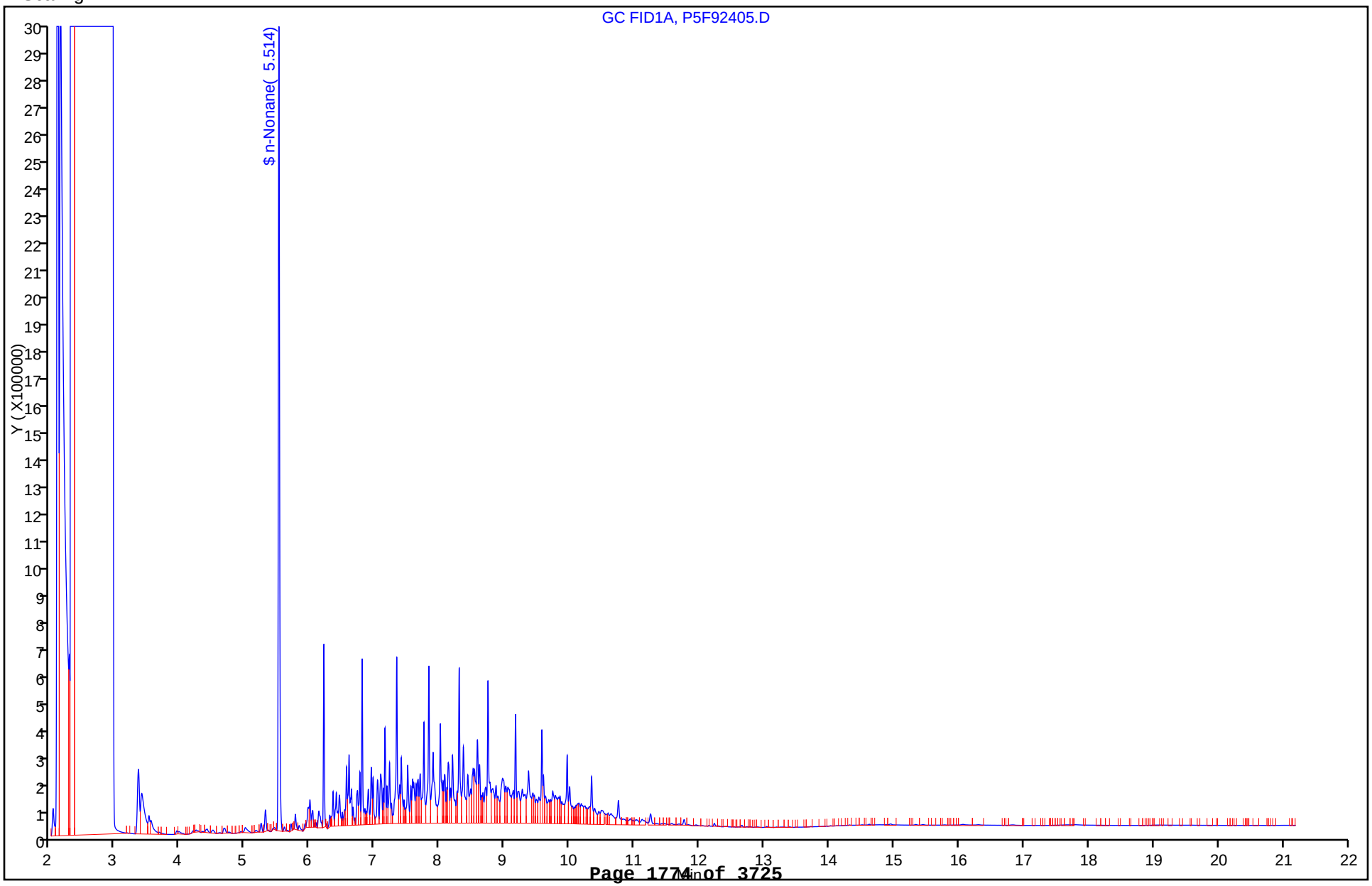
Report Date: 25-Sep-2012 15:24:15 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92405.D

Injection Date:	24-Sep-2012 14:50:03	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	58815	Lims Sample ID:	5
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92406.D		
Lims ID:	STD3 Diesel	Client ID:	
Inject. Date:	24-Sep-2012 15:19:52	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0013485-006		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	58815	Lims Sample ID:	6
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\TPH5F.m		
Last Update:	25-Sep-2012 15:24:16	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		
First Level Reviewer: bolgrind		Date:	25-Sep-2012 11:50:52

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
5.516	5.516	0.000	9727983	50.1	
A 15 Diesel					
10.112	6.201 - 14.024		89805886	487.7	

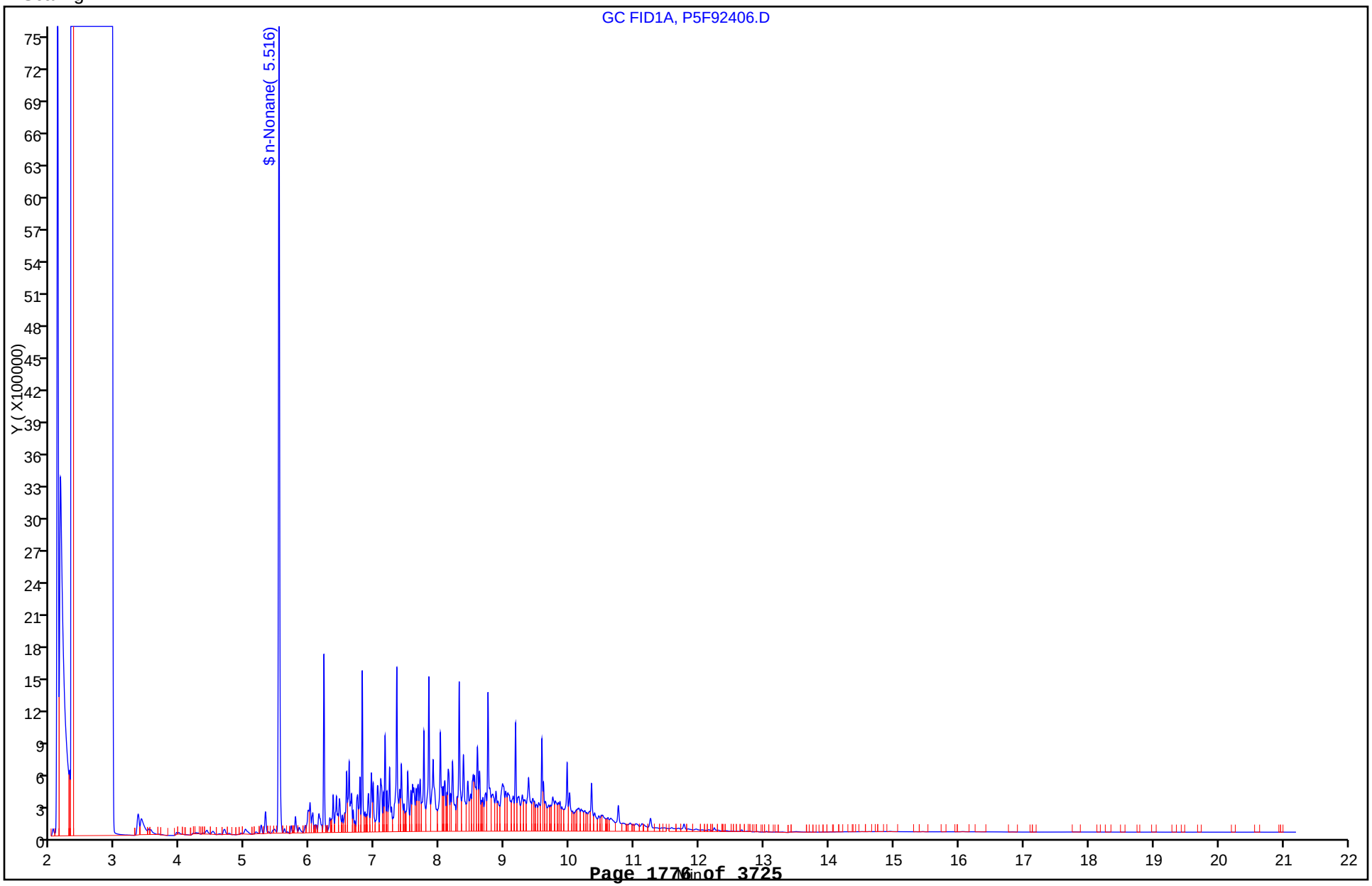
Report Date: 25-Sep-2012 15:24:17 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92406.D

Injection Date:	24-Sep-2012 15:19:52	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	58815	Lims Sample ID:	6
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92407.D		
Lims ID:	STD4 Diesel	Client ID:	
Inject. Date:	24-Sep-2012 15:49:39	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0013485-007		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	58815	Lims Sample ID:	7
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\TPH5F.m		
Last Update:	25-Sep-2012 15:24:17	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		
First Level Reviewer: bolgrind		Date:	25-Sep-2012 11:51:01

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
5.518	5.516	0.002	18531718	95.5	
A 15 Diesel					
10.112	6.201 - 14.024		173705861	943.3	

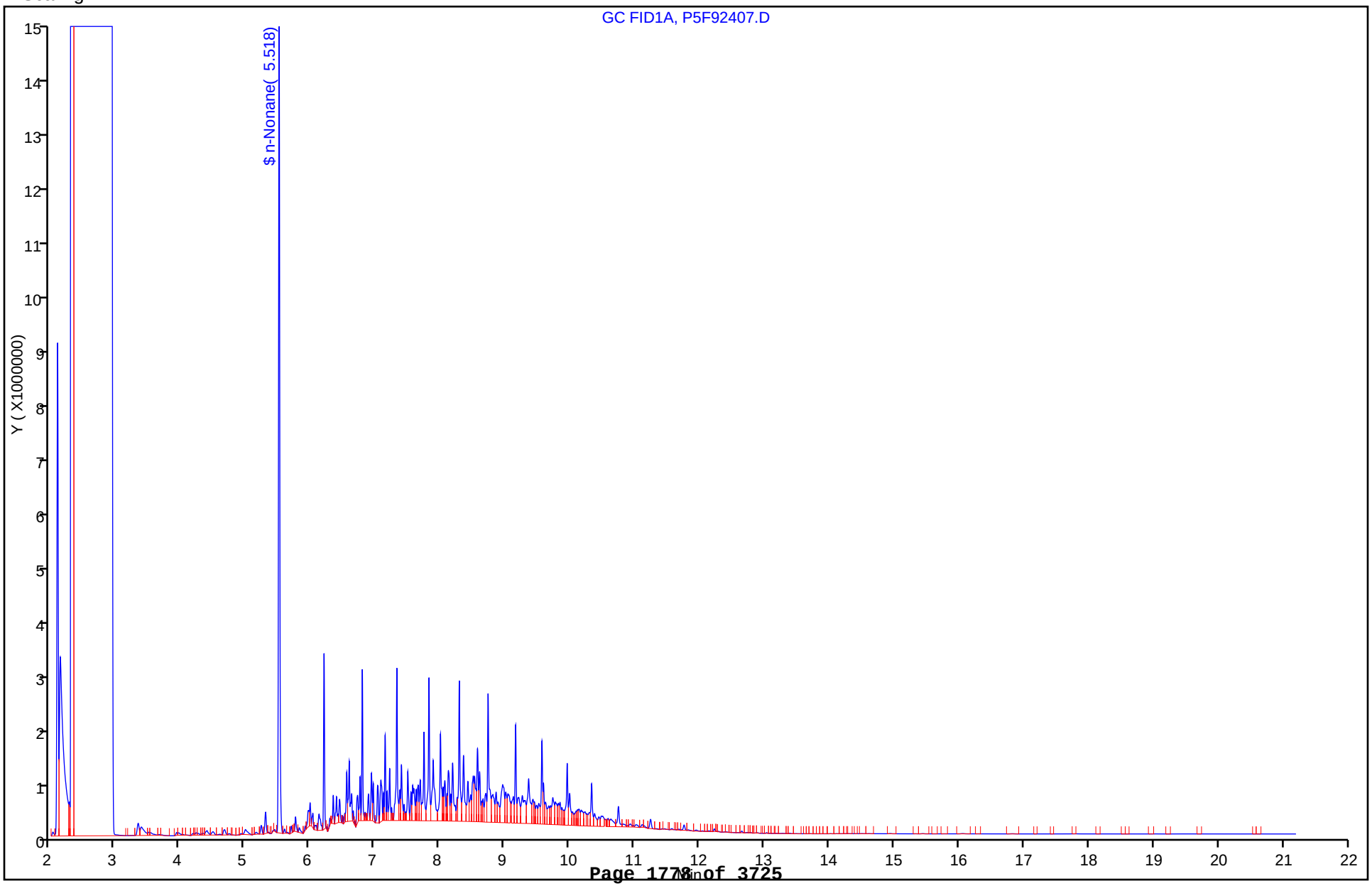
Report Date: 25-Sep-2012 15:24:18 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92407.D

Injection Date:	24-Sep-2012 15:49:39	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	58815	Lims Sample ID:	7
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92408.D		
Lims ID:	STD5 Diesel	Client ID:	
Inject. Date:	24-Sep-2012 16:19:38	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0013485-008		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	58815	Lims Sample ID:	8
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\TPH5F.m		
Last Update:	25-Sep-2012 15:24:18	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		
First Level Reviewer: bolgrind		Date:	25-Sep-2012 11:51:10

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
5.512	5.516	-0.004	38074555	196.2	
A 15 Diesel					
10.112	6.201 - 14.024		355375537	1929.9	

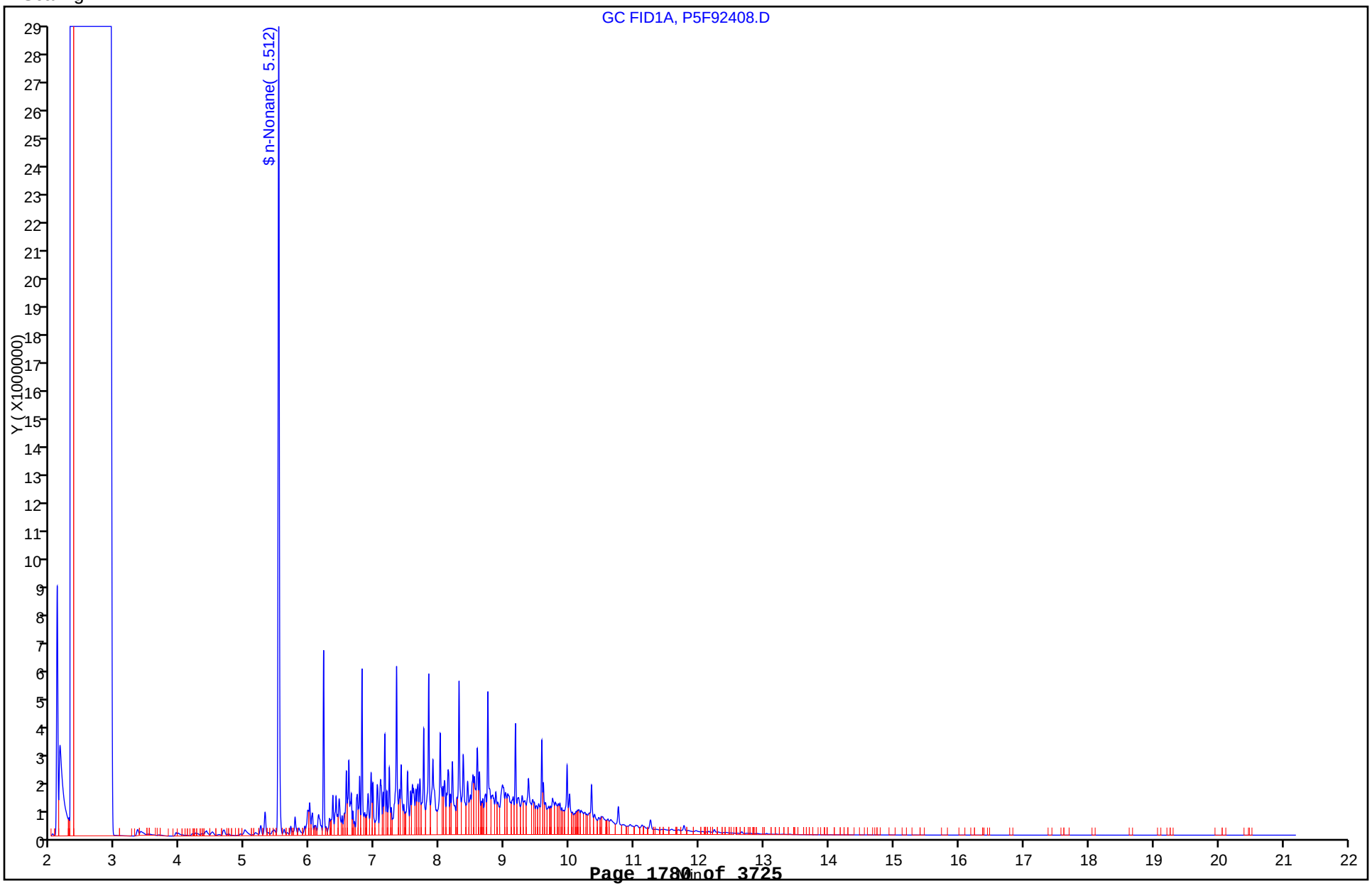
Report Date: 25-Sep-2012 15:24:19 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92408.D

Injection Date:	24-Sep-2012 16:19:38	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	58815	Lims Sample ID:	8
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68137

SDG No.:

Instrument ID: A2HP6F GC Column: RTX-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 16:08 Calibration End Date: 12/11/2012 18:11 Calibration ID: 12803

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-68137/4	P6F11004.D
Level 2	STD2 240-68137/5	P6F11005.D
Level 3	STD3 240-68137/6	P6F11006.D
Level 4	STD4 240-68137/7	P6F11007.D
Level 5	STD5 240-68137/8	P6F11008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Diesel Range Organics [C10 - C28]	9.379	9.379	9.379	9.379	9.379						5.157 - 13.602	9.379
n-Nonane	4.142	4.140	4.141	4.141	4.141						4.092 - 4.192	4.141

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68137

SDG No.:

Instrument ID: A2HP6F GC Column: RTX-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 16:08 Calibration End Date: 12/11/2012 18:11 Calibration ID: 12803

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-68137/4	P6F11004.D
Level 2	STD2 240-68137/5	P6F11005.D
Level 3	STD3 240-68137/6	P6F11006.D
Level 4	STD4 240-68137/7	P6F11007.D
Level 5	STD5 240-68137/8	P6F11008.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Diesel Range Organics [C10 - C28]	192890 159185	174600	187030	158233	Ave		174387.763				9.0		20.0			
n-Nonane	131871 139396	133038	151304	134907	Ave		138103.048				5.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 68137

SDG No.:

Instrument ID: A2HP6F GC Column: RTX-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2012 16:08 Calibration End Date: 12/11/2012 18:11 Calibration ID: 12803

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-68137/4	P6F11004.D
Level 2	STD2 240-68137/5	P6F11005.D
Level 3	STD3 240-68137/6	P6F11006.D
Level 4	STD4 240-68137/7	P6F11007.D
Level 5	STD5 240-68137/8	P6F11008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Diesel Range Organics [C10 - C28]	Ave	19288959	34920039	93515077	158233423	318370908	100	200	500	1000	2000
n-Nonane	Ave	1318709	2660764	7565185	13490682	27879124	10.0	20.0	50.0	100	200

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11004.D		
Lims ID:	STD1 DIESEL	Client ID:	
Inject. Date:	11-Dec-2012 16:08:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0015714-004		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	68137	Lims Sample ID:	4
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\TPH6F.m		
Last Update:	12-Dec-2012 09:04:04	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK007		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.142	4.142	0.000	1318709	9.55	
A 15 Diesel					
9.379	5.157 - 13.602		19288959	110.6	

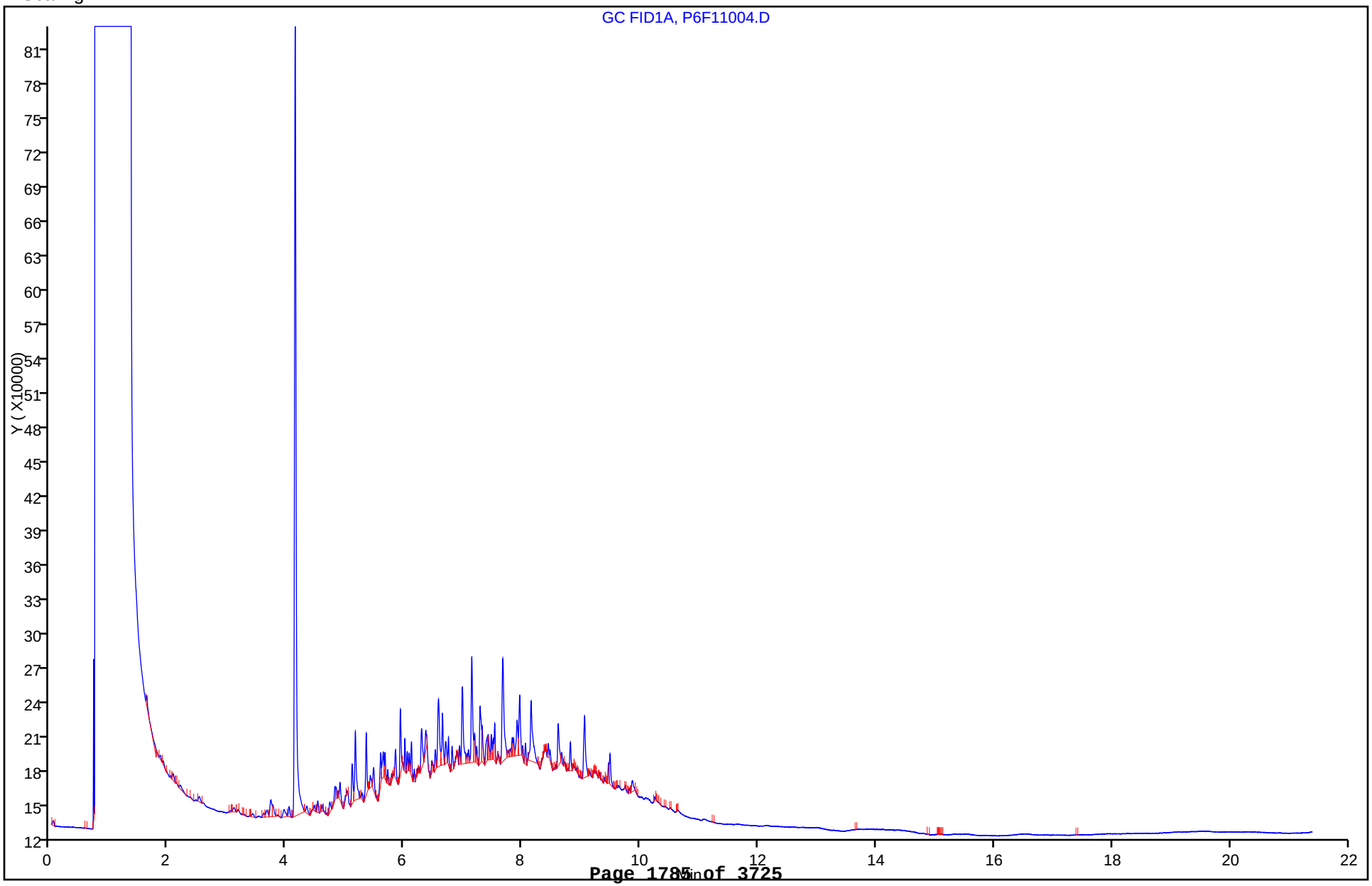
Report Date: 12-Dec-2012 09:04:04 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11004.D

Injection Date:	11-Dec-2012 16:08:05	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	68137	Lims Sample ID:	4
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11005.D		
Lims ID:	STD2 DIESEL	Client ID:	
Inject. Date:	11-Dec-2012 16:39:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015714-005		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	68137	Lims Sample ID:	5
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\TPH6F.m		
Last Update:	12-Dec-2012 09:04:05	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK007		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.140	4.142	-0.002	2660764	19.3	
A 15 Diesel					
9.379	5.157 - 13.602		34920039	200.2	

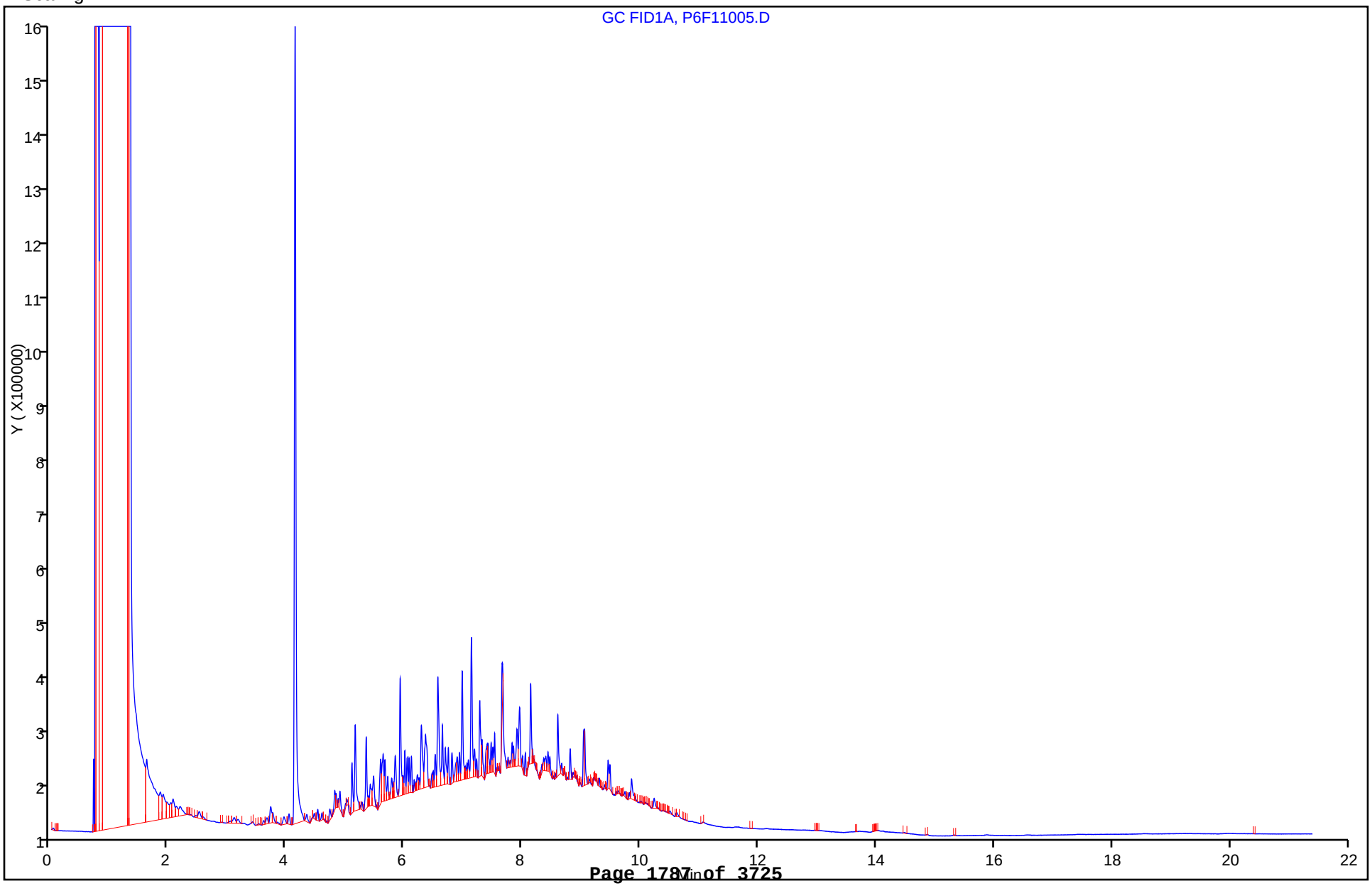
Report Date: 12-Dec-2012 09:04:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11005.D

Injection Date:	11-Dec-2012 16:39:16	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	68137	Lims Sample ID:	5
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11006.D		
Lims ID:	STD3 DIESEL	Client ID:	
Inject. Date:	11-Dec-2012 17:09:54	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0015714-006		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	68137	Lims Sample ID:	6
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\TPH6F.m		
Last Update:	12-Dec-2012 09:04:06	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK007		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.141	4.141	0.000	7565185	54.8	
A 15 Diesel					
9.379	5.157 - 13.602		93515077	536.2	

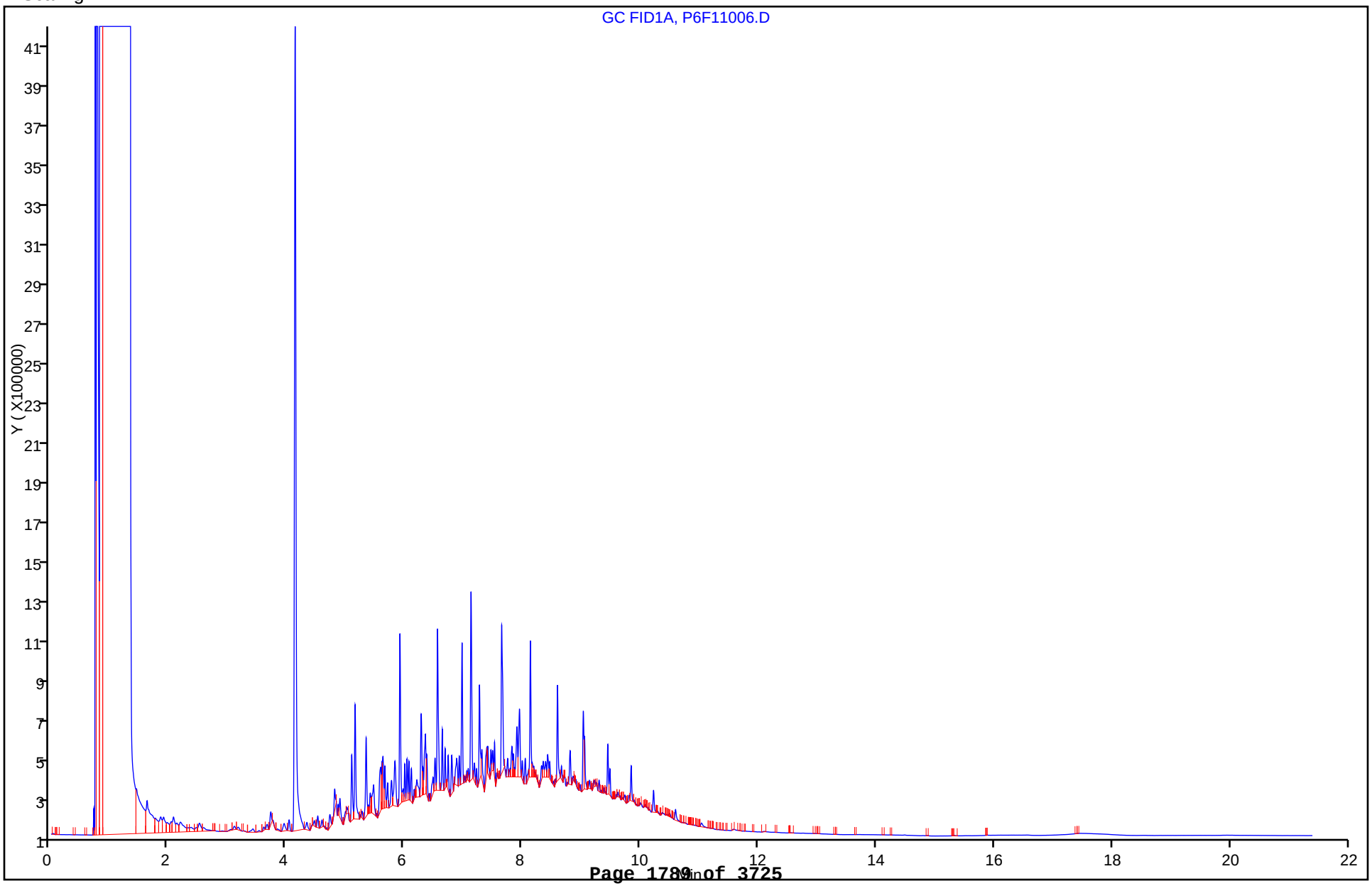
Report Date: 12-Dec-2012 09:04:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11006.D

Injection Date:	11-Dec-2012 17:09:54	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	68137	Lims Sample ID:	6
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11007.D		
Lims ID:	STD4 DIESEL	Client ID:	
Inject. Date:	11-Dec-2012 17:40:47	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015714-007		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	68137	Lims Sample ID:	7
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\TPH6F.m		
Last Update:	12-Dec-2012 09:04:07	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK007		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.141	4.141	0.000	13490682	97.7	
A 15 Diesel					
9.379	5.157 - 13.602		158233423	907.4	

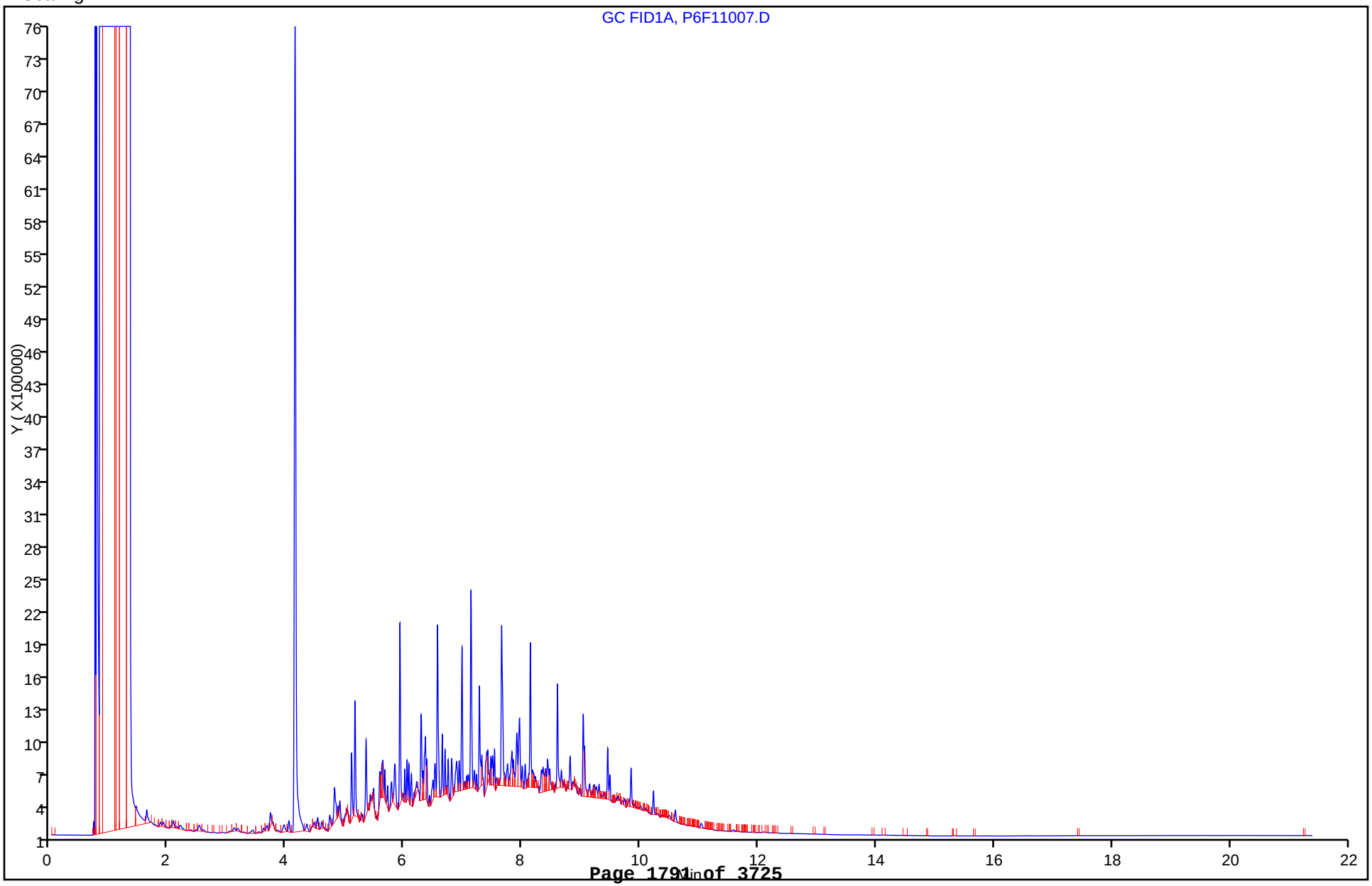
Report Date: 12-Dec-2012 09:04:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11007.D

Injection Date:	11-Dec-2012 17:40:47	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	68137	Lims Sample ID:	7
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Lims ID:	STD5 DIESEL	Client ID:	
Inject. Date:	11-Dec-2012 18:11:22	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015714-008		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	68137	Lims Sample ID:	8
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\TPH6F.m		
Last Update:	12-Dec-2012 09:04:08	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK007		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.141	4.141	0.000	27879124	201.9	
A 15 Diesel					
9.379	5.157 - 13.602		318370908	1825.6	

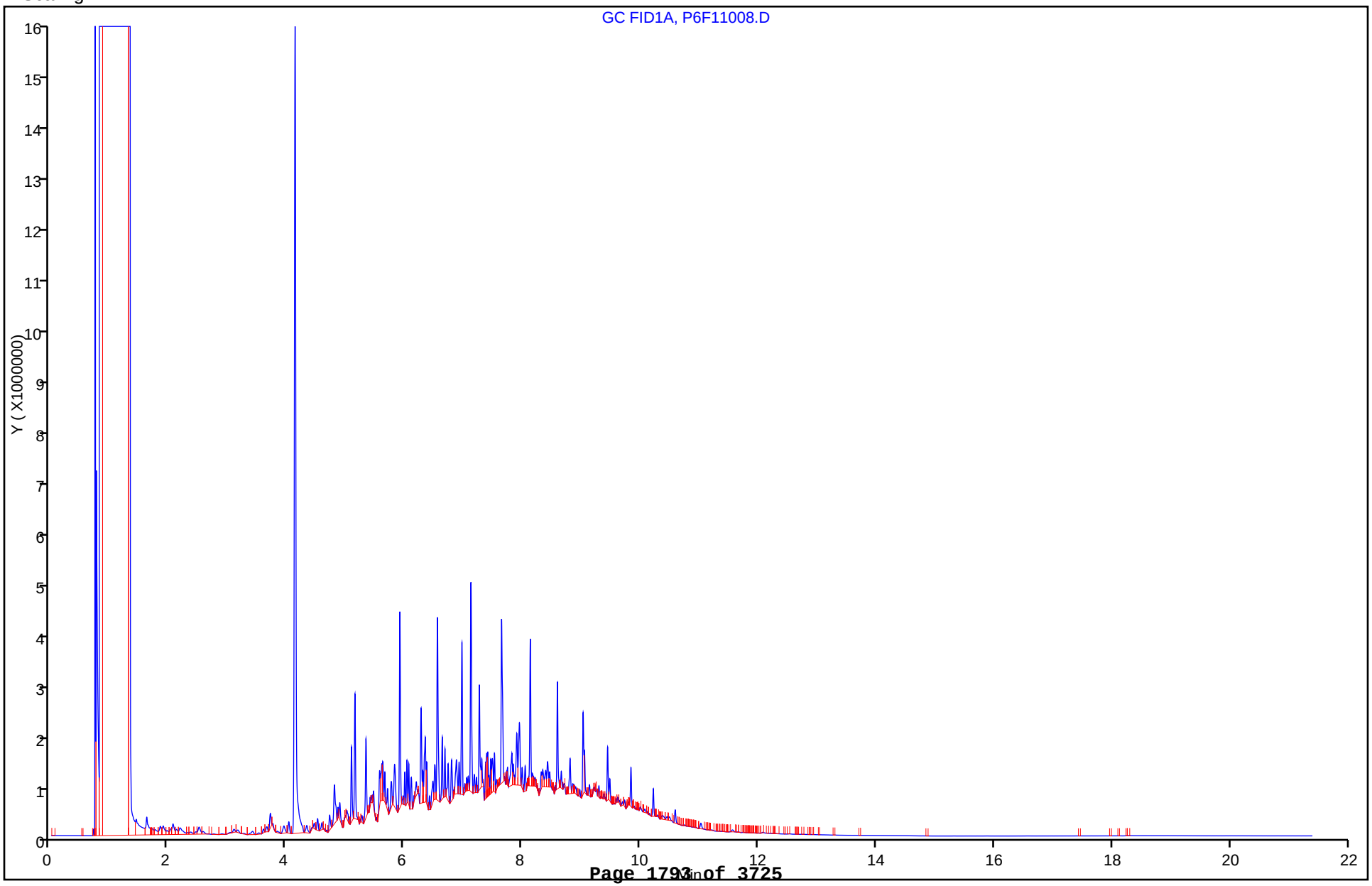
Report Date: 12-Dec-2012 09:04:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D

Injection Date:	11-Dec-2012 18:11:22	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	68137	Lims Sample ID:	8
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-58815/9 Calibration Date: 09/24/2012 16:49

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F92409.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	184142	196035		532	500	6.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-58815/9 Calibration Date: 09/24/2012 16:49

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F92409.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	10.11	6.20	14.02

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92409.D		
Lims ID:	ICV Diesel	Client ID:	
Inject. Date:	24-Sep-2012 16:49:32	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0013485-009		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	58815	Lims Sample ID:	9
Sublist:			
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\TPH5F.m		
Last Update:	25-Sep-2012 15:24:18	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
10.112	6.201 - 14.024		98017293	532.3	

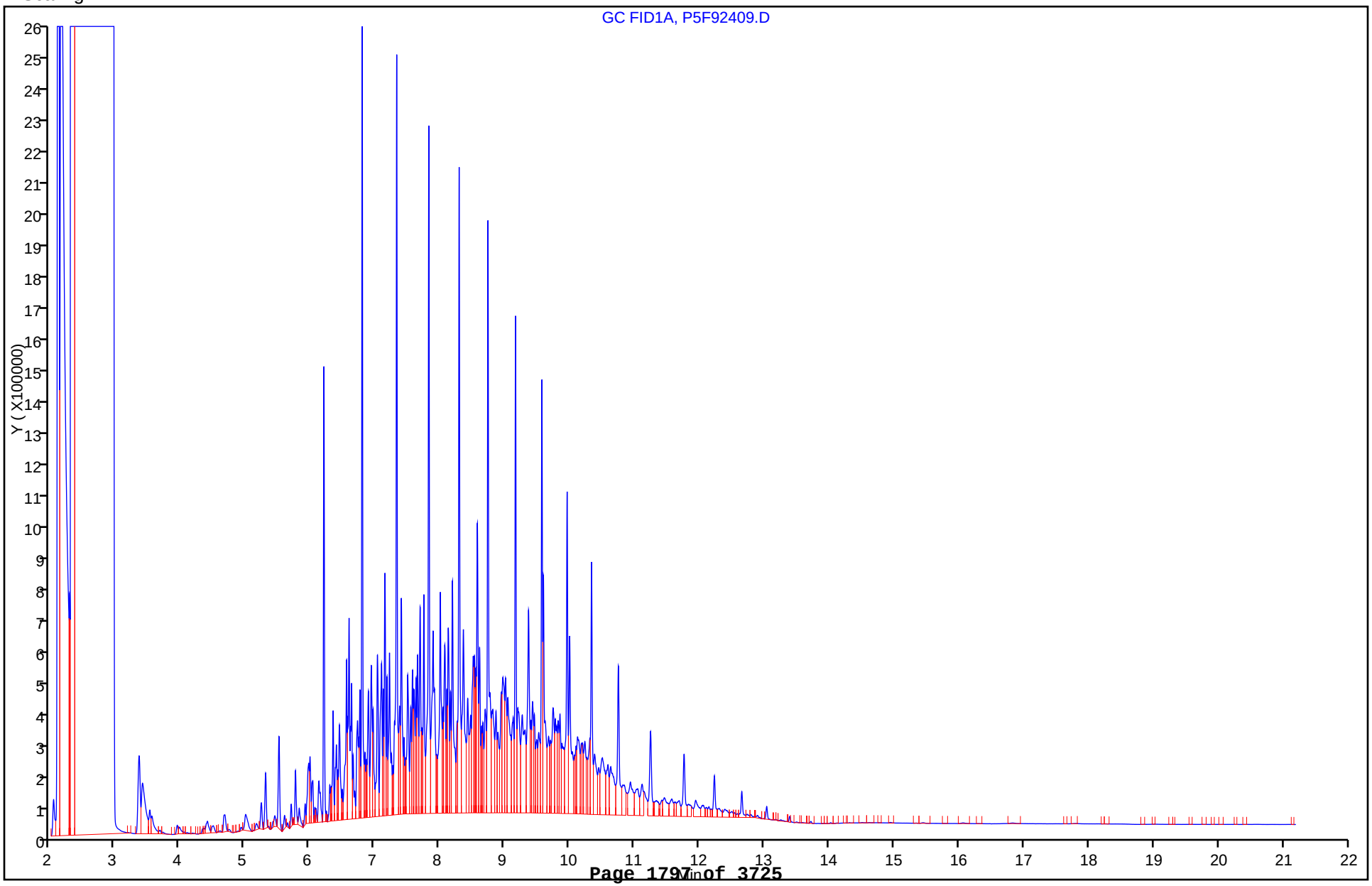
Report Date: 25-Sep-2012 15:24:20 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92409.D

Injection Date:	24-Sep-2012 16:49:32	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	58815	Lims Sample ID:	9
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69606/5 Calibration Date: 12/20/2012 17:00

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	184142	195132		530	500	6.0	20.0
n-Nonane	Ave	194089	161112		41.5	50.0	-17.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69606/5 Calibration Date: 12/20/2012 17:00

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.44	5.25	13.62
n-Nonane	4.27	4.20	4.34

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10005.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	20-Dec-2012 17:00:40	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0016061-005		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	69606	Lims Sample ID:	5
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	21-Dec-2012 09:34:05	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK029		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.268	4.268	0.000	8055607	41.5	
A 15 Diesel					
9.435	5.250 - 13.620		97565921	529.8	

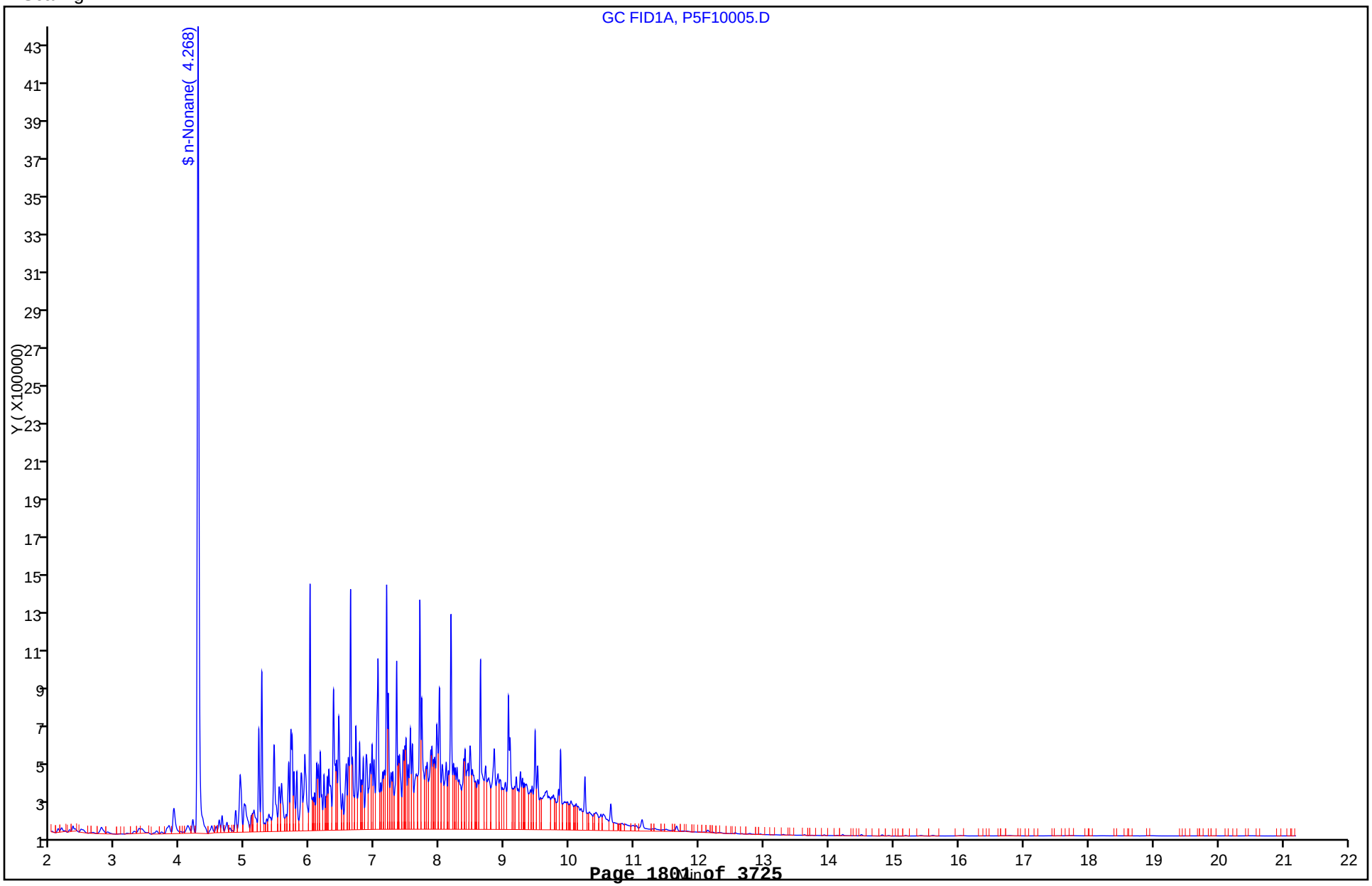
Report Date: 21-Dec-2012 09:34:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10005.D

Injection Date:	20-Dec-2012 17:00:40	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	5
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69606/23 Calibration Date: 12/21/2012 02:06

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10023.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	184142	217323		590	500	18.0	20.0
n-Nonane	Ave	194089	184117		47.4	50.0	-5.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69606/23 Calibration Date: 12/21/2012 02:06

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10023.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.44	5.25	13.62
n-Nonane	4.27	4.20	4.34

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10023.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	21-Dec-2012 02:06:54	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016061-023		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	69606	Lims Sample ID:	23
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	21-Dec-2012 09:34:16	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK029		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.270	4.268	0.002	9205860	47.4	
A 15 Diesel					
9.435	5.250 - 13.620		108661450	590.1	

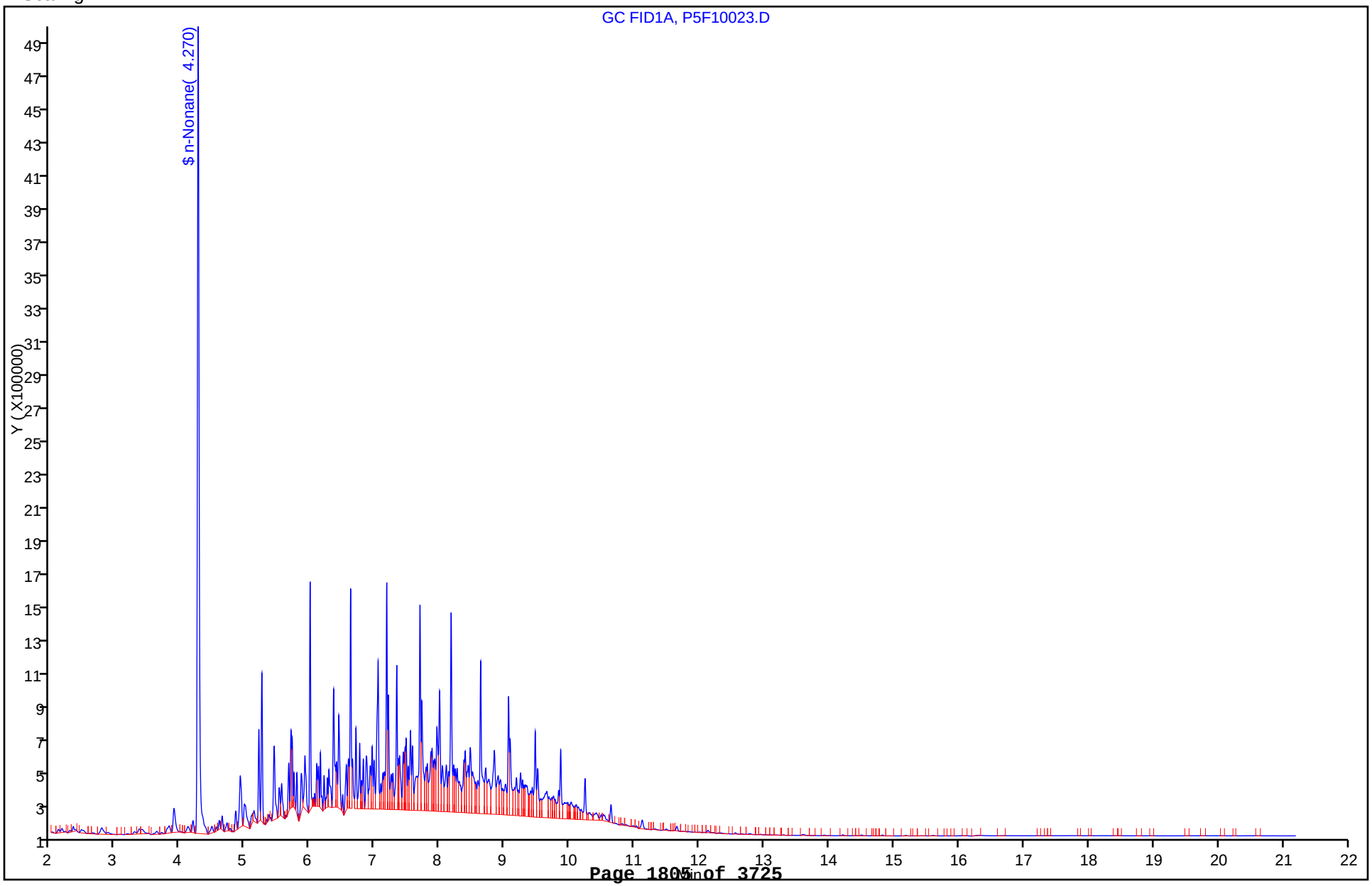
Report Date: 21-Dec-2012 09:34:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10023.D

Injection Date:	21-Dec-2012 02:06:54	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	23
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69606/34 Calibration Date: 12/21/2012 07:36

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10034.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	184142	225479		612	500	22.4*	20.0
n-Nonane	Ave	194089	188623		48.6	50.0	-2.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69606/34 Calibration Date: 12/21/2012 07:36

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10034.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.44	5.25	13.62
n-Nonane	4.27	4.20	4.34

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10034.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	21-Dec-2012 07:36:57	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016061-034		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	34
Lims Batch ID:	69606	Lims Sample ID:	34
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	21-Dec-2012 09:34:24	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK029		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.271	4.268	0.003	9431168	48.6	
A 15 Diesel					
9.435	5.250 - 13.620		112739544	612.2	

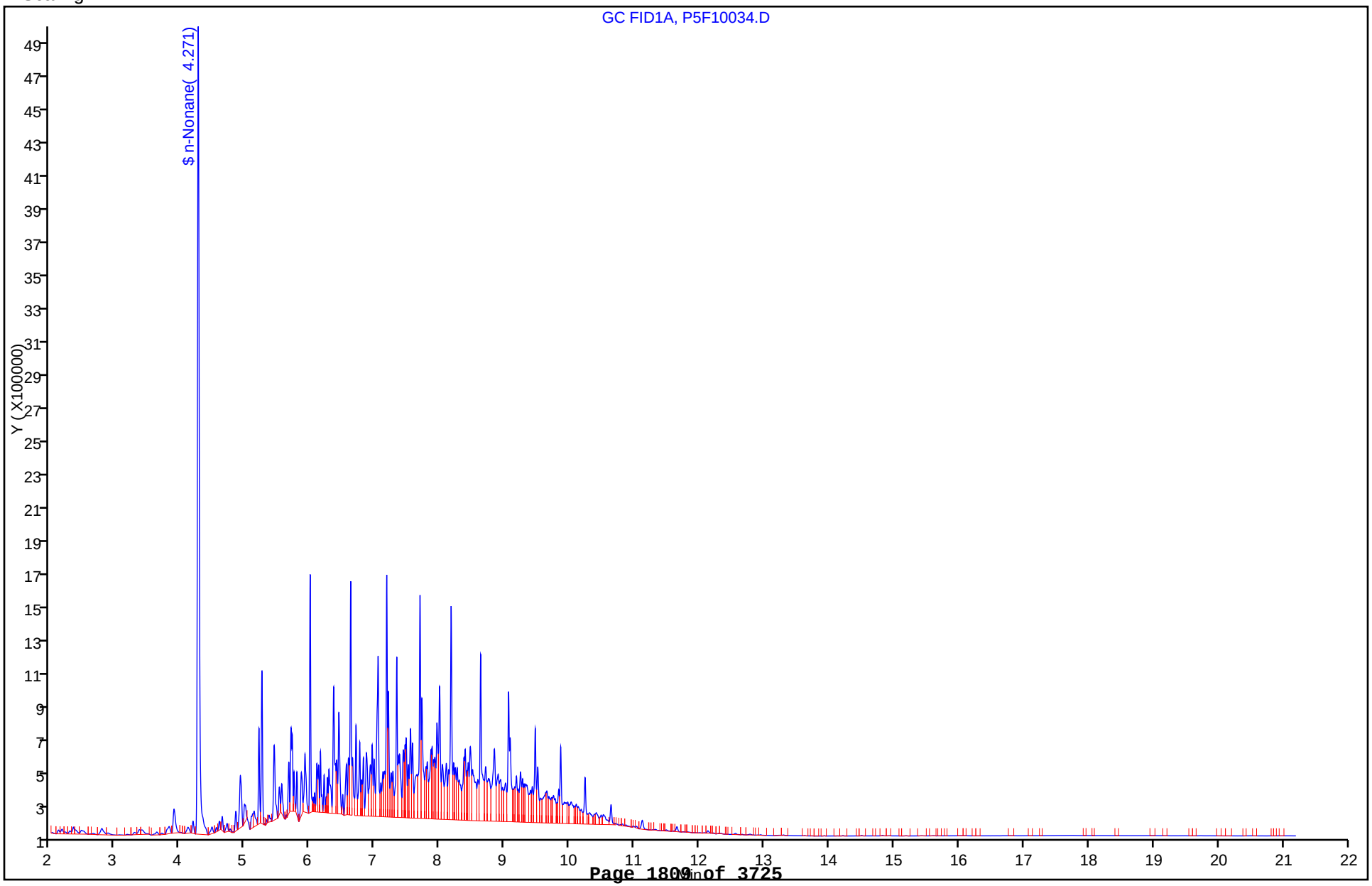
Report Date: 21-Dec-2012 09:34:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10034.D

Injection Date:	21-Dec-2012 07:36:57	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	34
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69606/41 Calibration Date: 12/21/2012 11:07

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10041.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	184142	238098		647	500	29.3*	20.0
n-Nonane	Ave	194089	198137		51.0	50.0	2.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69606/41 Calibration Date: 12/21/2012 11:07

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10041.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.44	5.25	13.62
n-Nonane	4.27	4.20	4.34

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10041.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	21-Dec-2012 11:07:19	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016061-041		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	41
Lims Batch ID:	69606	Lims Sample ID:	41
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	24-Dec-2012 09:04:22	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.270	4.268	0.002	9906858	51.0	
A 15 Diesel					
9.435	5.250 - 13.620		119048857	646.5	

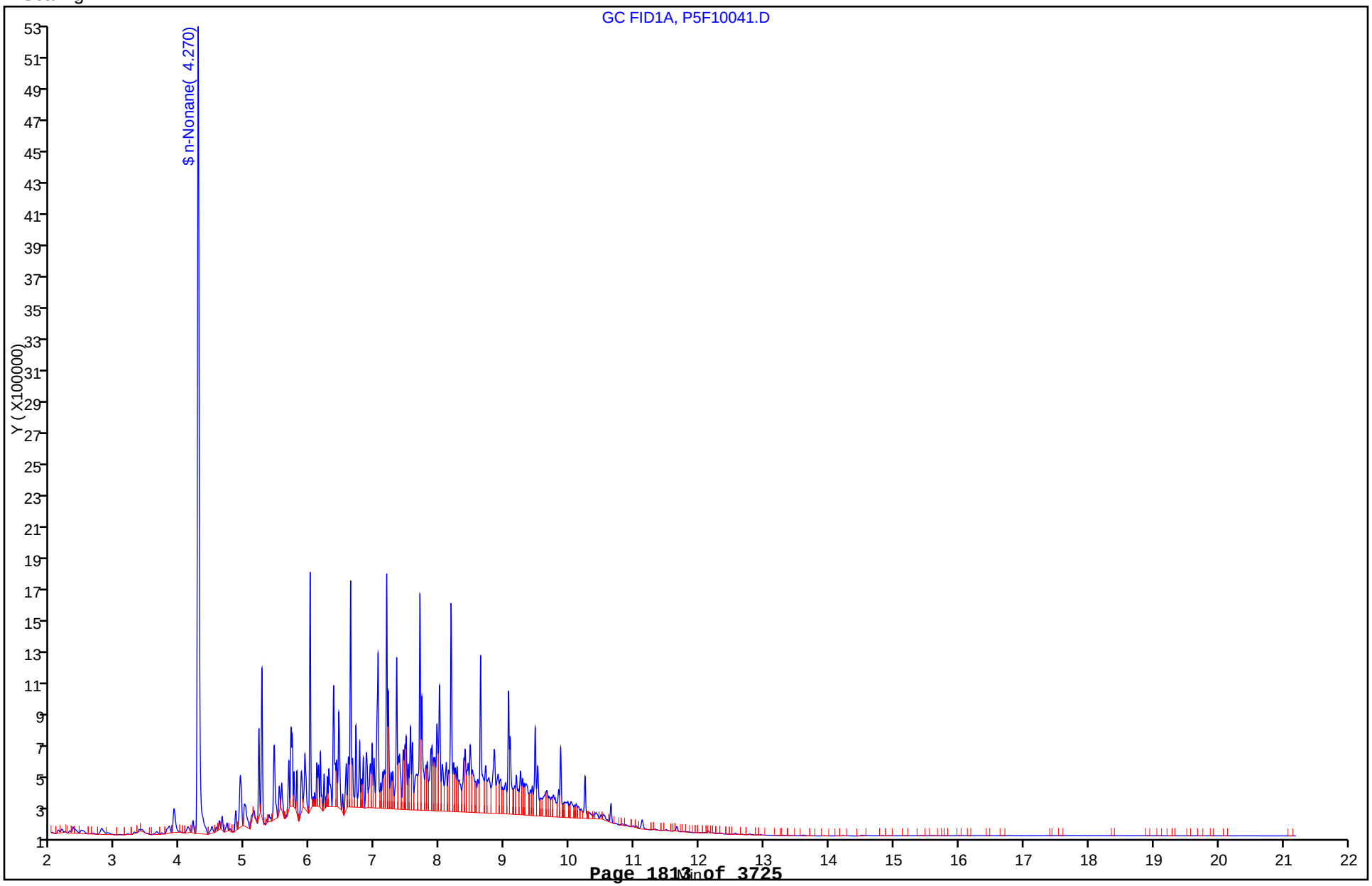
Report Date: 24-Dec-2012 09:04:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10041.D

Injection Date:	21-Dec-2012 11:07:19	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	41
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69606/46 Calibration Date: 12/21/2012 13:41

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10046.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	184142	206092		560	500	11.9	20.0
n-Nonane	Ave	194089	173787		44.8	50.0	-10.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69606/46 Calibration Date: 12/21/2012 13:41

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10046.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.44	5.25	13.62
n-Nonane	4.27	4.20	4.34

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10046.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	21-Dec-2012 13:41:13	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016061-046		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	46
Lims Batch ID:	69606	Lims Sample ID:	46
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	24-Dec-2012 09:04:26	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.265	4.268	-0.003	8689354	44.8	
A 15 Diesel					
9.435	5.250 - 13.620		103046152	559.6	

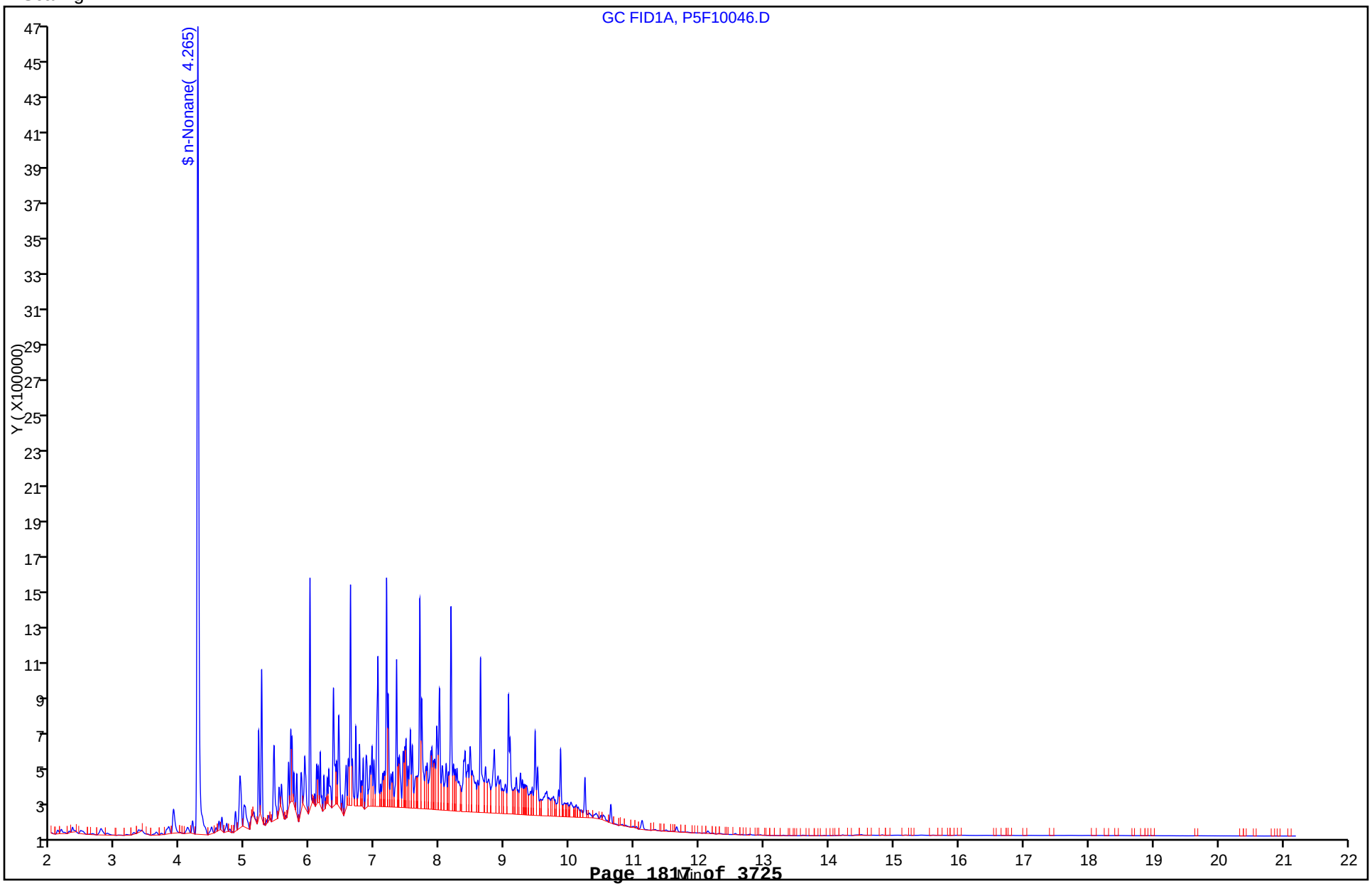
Report Date: 24-Dec-2012 09:04:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10046.D

Injection Date:	21-Dec-2012 13:41:13	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	46
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70013/5 Calibration Date: 12/24/2012 14:15

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	184142	190212		516	500	3.3	20.0
n-Nonane	Ave	194089	163509		42.1	50.0	-15.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70013/5 Calibration Date: 12/24/2012 14:15

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.42	5.23	13.61
n-Nonane	4.24	4.17	4.31

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10005.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	24-Dec-2012 14:15:48	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0016155-005		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	70013	Lims Sample ID:	5
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\TPH5F.m		
Last Update:	26-Dec-2012 09:57:36	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.242	4.242	0.000	8175456	42.1	
A 15 Diesel					
9.419	5.230 - 13.608		95106206	516.5	

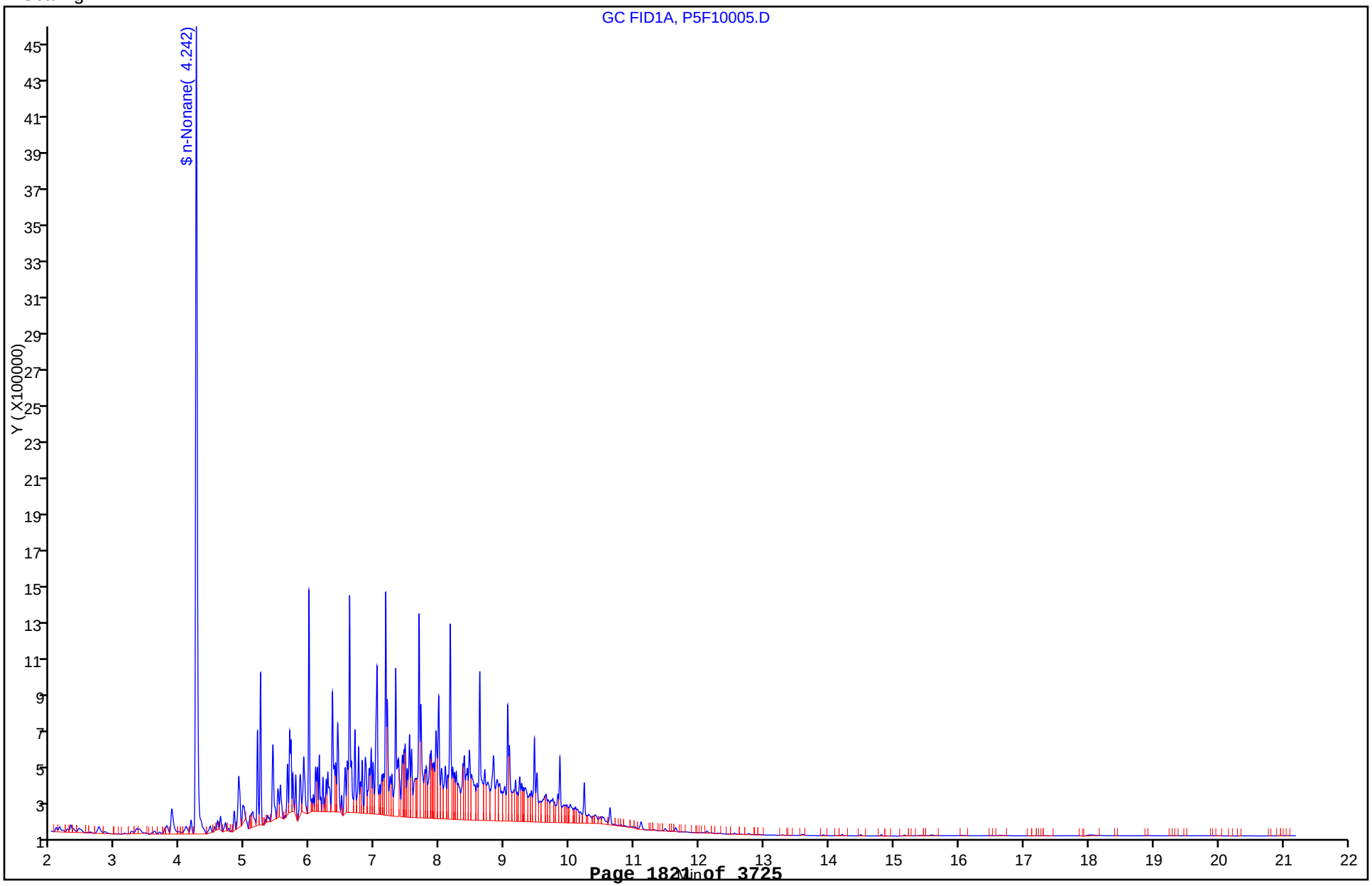
Report Date: 26-Dec-2012 09:57:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10005.D

Injection Date:	24-Dec-2012 14:15:48	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	70013	Lims Sample ID:	5
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70013/12 Calibration Date: 12/24/2012 17:45

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	184142	182402		495	500	-0.9	20.0
n-Nonane	Ave	194089	168379		43.4	50.0	-13.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70013/12 Calibration Date: 12/24/2012 17:45

Instrument ID: A2HP5F Calib Start Date: 09/24/2012 14:20

GC Column: ID: Calib End Date: 09/24/2012 16:19

Lab File ID: P5F10012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.42	5.23	13.61
n-Nonane	4.25	4.17	4.31

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10012.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	24-Dec-2012 17:45:50	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016155-012		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	70013	Lims Sample ID:	12
Sublist:	chrom-TPH5F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\TPH5F.m		
Last Update:	26-Dec-2012 09:57:37	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.245	4.242	0.003	8418958	43.4	
A 15 Diesel					
9.419	5.230 - 13.608		91200994	495.3	

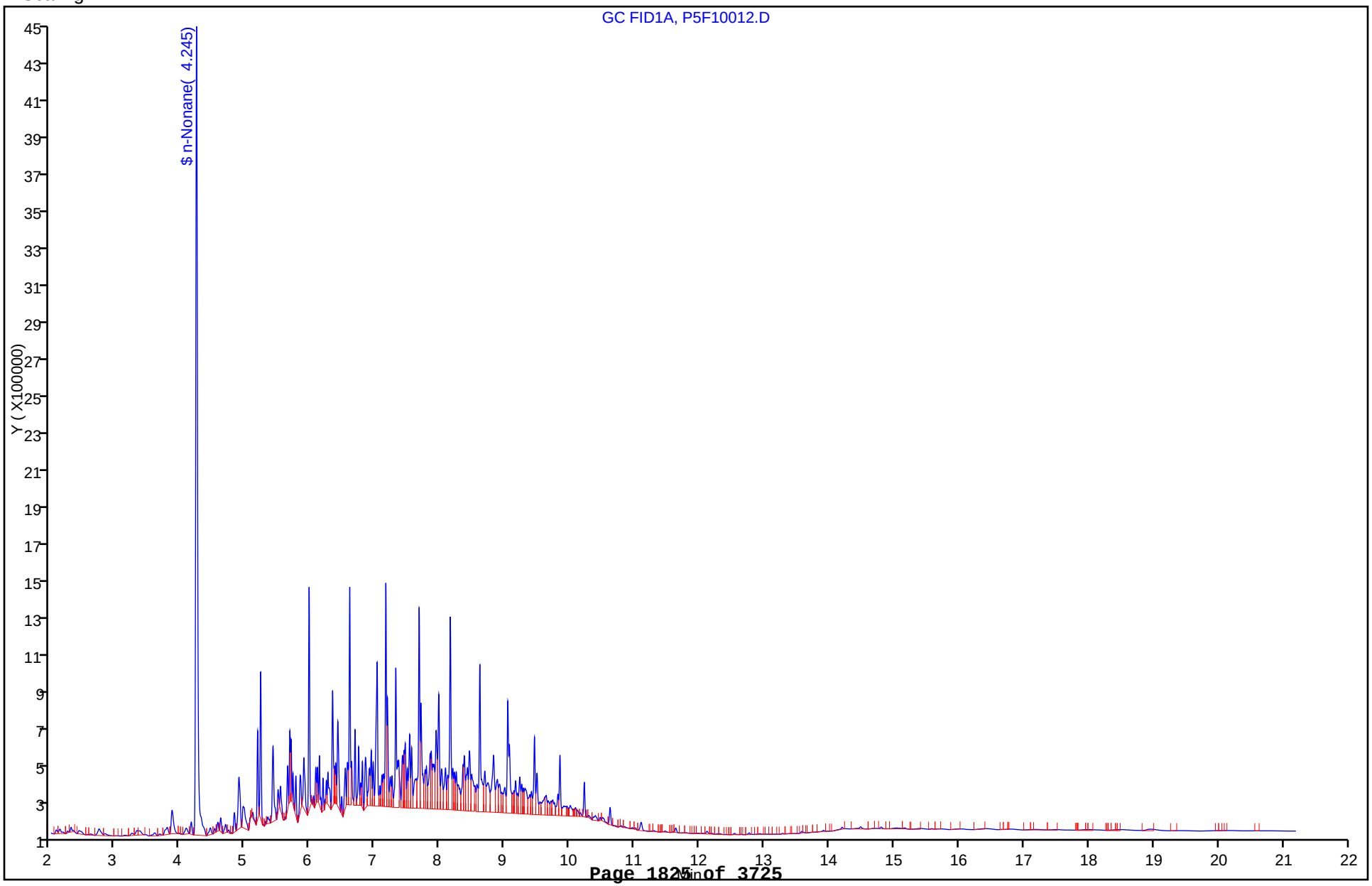
Report Date: 26-Dec-2012 09:57:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10012.D

Injection Date:	24-Dec-2012 17:45:50	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	70013	Lims Sample ID:	12
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-68137/9 Calibration Date: 12/11/2012 18:42

Instrument ID: A2HP6F Calib Start Date: 12/11/2012 16:08

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 12/11/2012 18:11

Lab File ID: P6F11009.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	174388	161532		463	500	-7.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-68137/9 Calibration Date: 12/11/2012 18:42

Instrument ID: A2HP6F Calib Start Date: 12/11/2012 16:08

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 12/11/2012 18:11

Lab File ID: P6F11009.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.38	5.16	13.60

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11009.D		
Lims ID:	ICV DIESEL	Client ID:	
Inject. Date:	11-Dec-2012 18:42:07	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0015714-009		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	68137	Lims Sample ID:	9
Sublist:			
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\TPH6F.m		
Last Update:	12-Dec-2012 09:12:15	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK007		

First Level Reviewer: bolgrind Date: 12-Dec-2012 08:53:13

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.379	5.157 - 13.602		80766154	463.1	

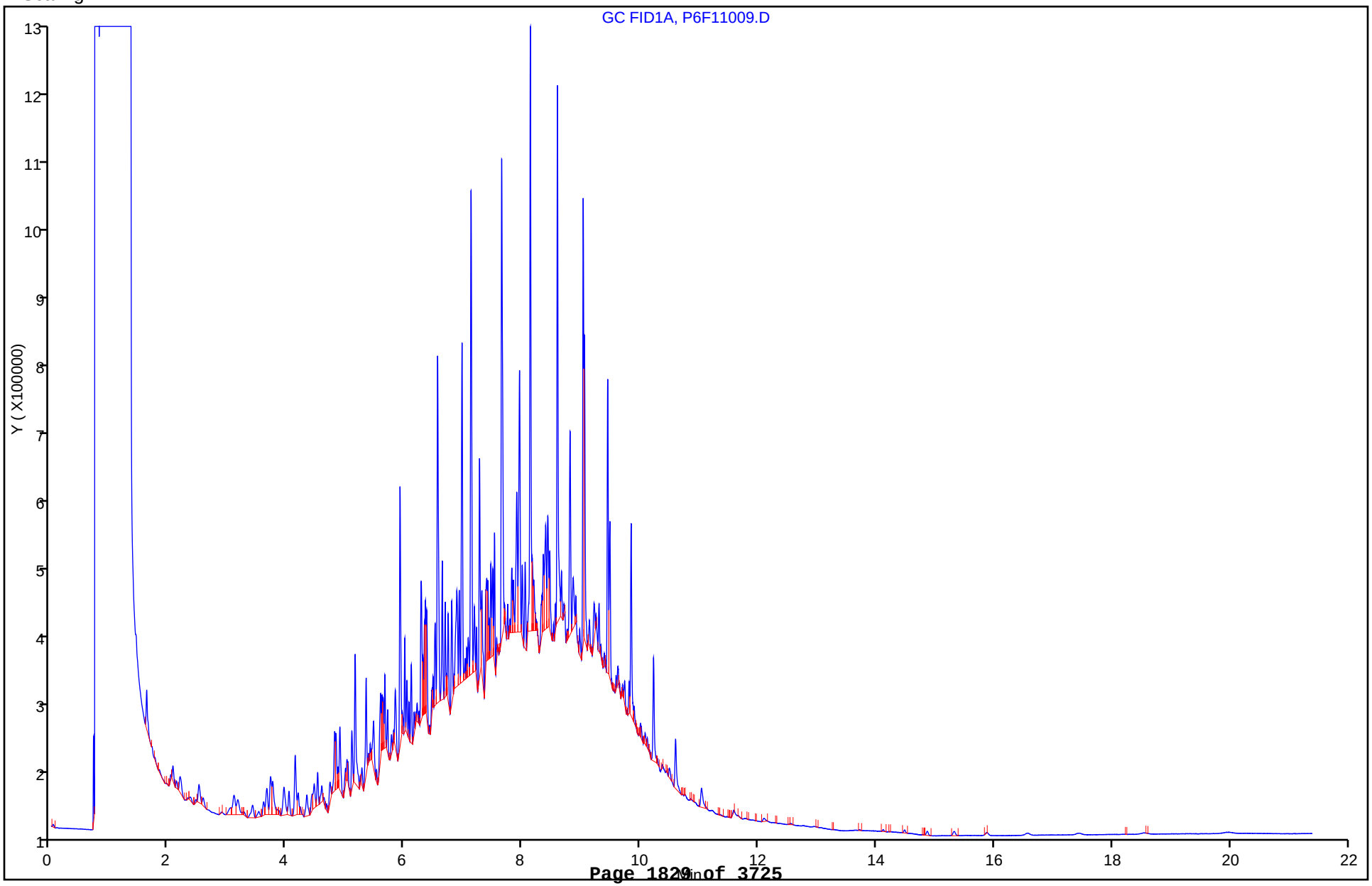
Report Date: 12-Dec-2012 09:12:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11009.D

Injection Date:	11-Dec-2012 18:42:07	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	68137	Lims Sample ID:	9
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70006/6 Calibration Date: 12/24/2012 15:54

Instrument ID: A2HP6F Calib Start Date: 12/11/2012 16:08

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 12/11/2012 18:11

Lab File ID: P6F24006.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	174388	183283		526	500	5.1	20.0
n-Nonane	Ave	138103	149499		54.1	50.0	8.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70006/6 Calibration Date: 12/24/2012 15:54

Instrument ID: A2HP6F Calib Start Date: 12/11/2012 16:08

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 12/11/2012 18:11

Lab File ID: P6F24006.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.39	5.17	13.60
n-Nonane	4.14	4.09	4.19

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24006.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	24-Dec-2012 15:54:14	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0016152-006		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	70006	Lims Sample ID:	6
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\TPH6F.m		
Last Update:	26-Dec-2012 10:07:11	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.139	4.139	0.000	7474971	54.1	
A 15 Diesel					
9.385	5.172 - 13.598		91641643	525.5	

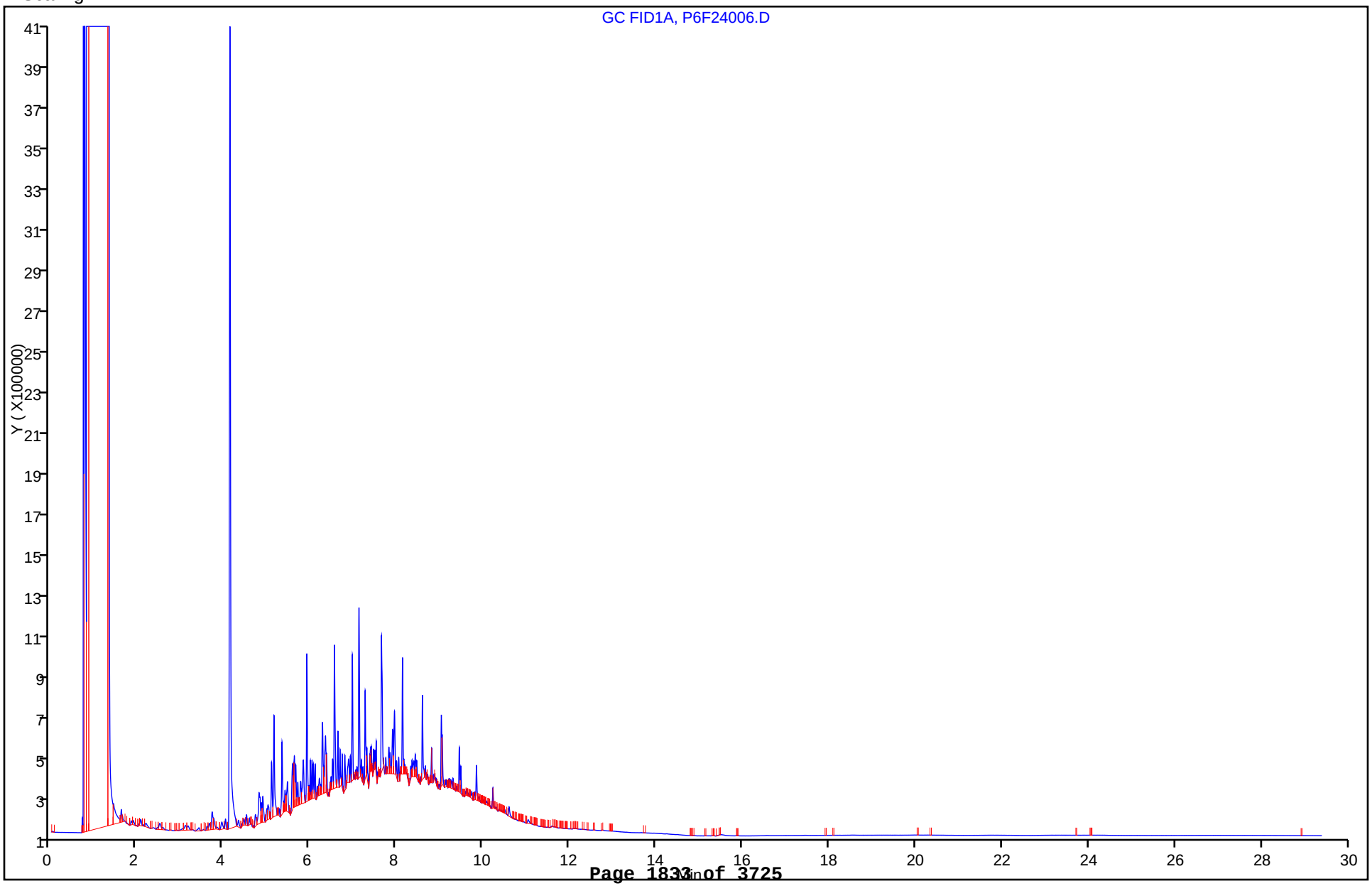
Report Date: 26-Dec-2012 10:07:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24006.D

Injection Date:	24-Dec-2012 15:54:14	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	6
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70006/17 Calibration Date: 12/24/2012 23:02

Instrument ID: A2HP6F Calib Start Date: 12/11/2012 16:08

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 12/11/2012 18:11

Lab File ID: P6F24017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	174388	185998		533	500	6.7	20.0
n-Nonane	Ave	138103	149996		54.3	50.0	8.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70006/17 Calibration Date: 12/24/2012 23:02

Instrument ID: A2HP6F Calib Start Date: 12/11/2012 16:08

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 12/11/2012 18:11

Lab File ID: P6F24017.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.38	5.15	13.60
n-Nonane	4.14	4.09	4.19

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24017.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	24-Dec-2012 23:02:26	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016152-017		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	70006	Lims Sample ID:	17
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\TPH6F.m		
Last Update:	26-Dec-2012 09:44:40	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.138	4.141	-0.003	7499794	54.3	
A 15 Diesel					
9.376	5.154 - 13.598		92998978	533.3	

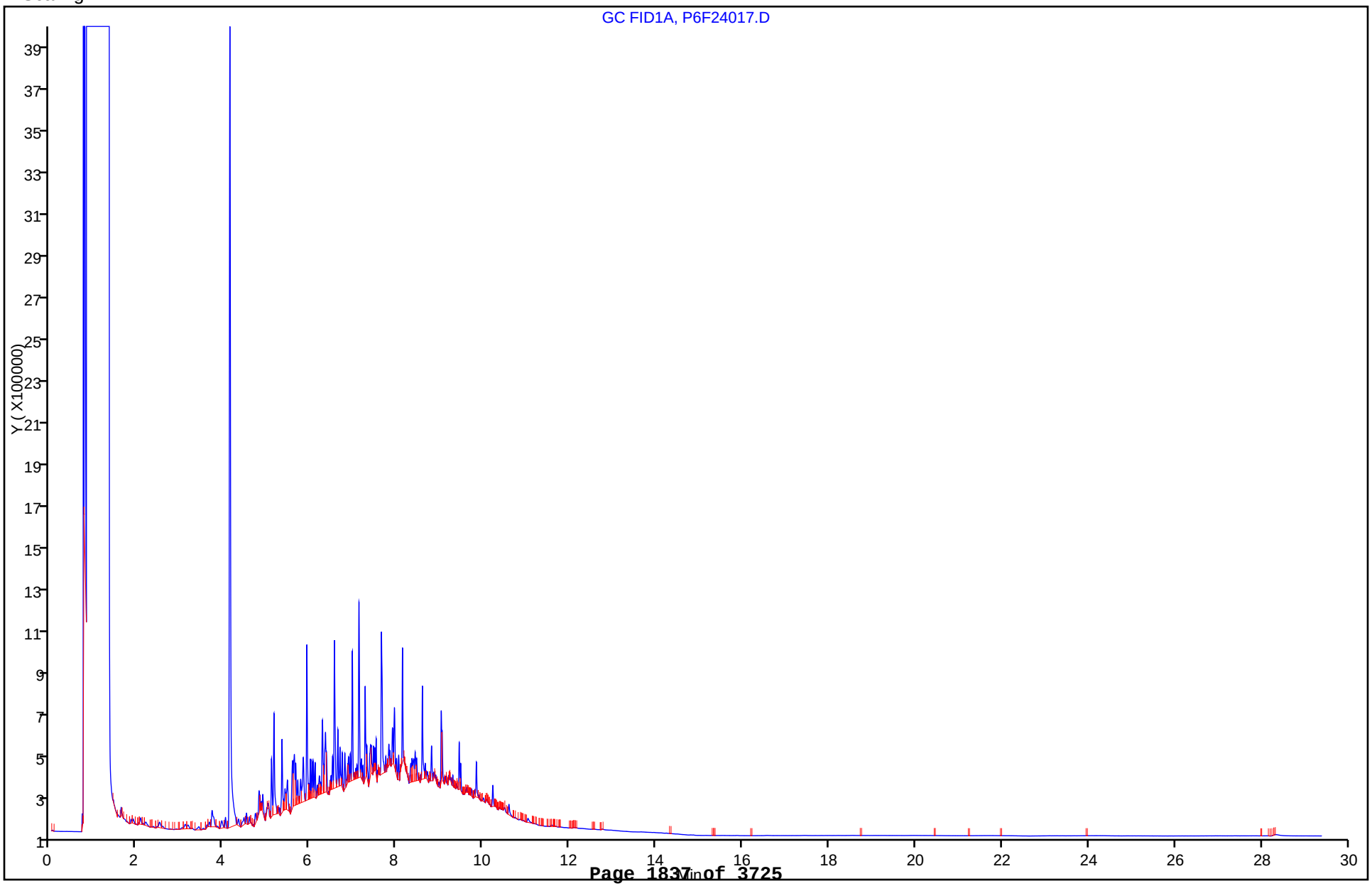
Report Date: 26-Dec-2012 09:44:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24017.D

Injection Date:	24-Dec-2012 23:02:26	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	17
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70006/28 Calibration Date: 12/25/2012 06:09

Instrument ID: A2HP6F Calib Start Date: 12/11/2012 16:08

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 12/11/2012 18:11

Lab File ID: P6F24028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	174388	186537		535	500	7.0	20.0
n-Nonane	Ave	138103	154859		56.1	50.0	12.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70006/28 Calibration Date: 12/25/2012 06:09

Instrument ID: A2HP6F Calib Start Date: 12/11/2012 16:08

GC Column: RTX-5 ID: 0.53(mm) Calib End Date: 12/11/2012 18:11

Lab File ID: P6F24028.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.38	5.15	13.60
n-Nonane	4.14	4.09	4.19

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24028.D		
Lims ID:	CCV DIESEL	Client ID:	
Inject. Date:	25-Dec-2012 06:09:18	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016152-028		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	70006	Lims Sample ID:	28
Sublist:	chrom-TPH6F*sub1		
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\TPH6F.m		
Last Update:	26-Dec-2012 09:44:51	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.137	4.141	-0.004	7742956	56.1	
A 15 Diesel					
9.376	5.154 - 13.598		93268425	534.8	

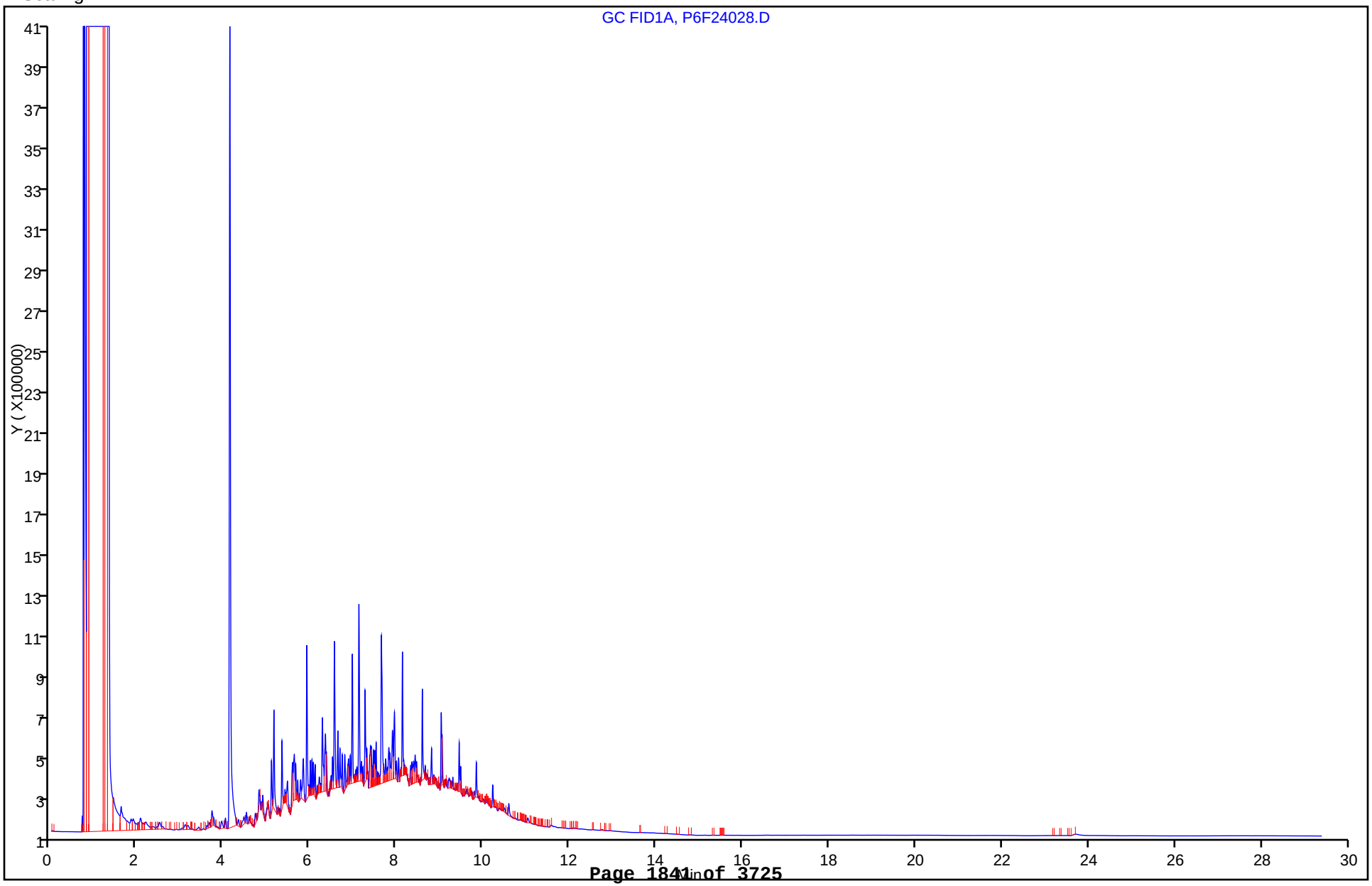
Report Date: 26-Dec-2012 09:44:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24028.D

Injection Date:	25-Dec-2012 06:09:18	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	28
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-69404/17-A

Matrix: Solid Lab File ID: P5F10024.D

Analysis Method: 8015B_DRO/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 12/19/2012 11:57

Sample wt/vol: 30.00(g) Date Analyzed: 12/21/2012 02:36

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	9.3	U	17	9.3	9.3
STL00272	C20-C34	9.3	U	17	9.3	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	55		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10024.D
Lims ID: MB 240-69404/17-A Client ID:
Inject. Date: 21-Dec-2012 02:36:55 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016061-024
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5F
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 69606 Lims Sample ID: 24
Detector: GC FID1A

Method: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m
Last Update: 21-Dec-2012 09:34:16 Calib Date: 24-Sep-2012 19:19:01
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	Tetratetracontane					1
	23.884					
A 2	C28-C36					
	13.675 - 16.894					
A 3	C10-C34					
	5.250 - 15.599					
A 4	C32-C44					1
	0.0 - 0.100					
A 5	C12-C22					
	6.620 - 11.115					
A 6	C22-C32					
	11.115 - 14.817					
7	n-Octane					
	2.752	2.765	-0.013	750375	0	
$ 8	n-Nonane					
	4.260	4.268	-0.008	10584087	54.5	
9	n-Decane					
	5.247	5.250	-0.003	20460	0	
10	Dodecane					
	6.616	6.620	-0.004	1566	0	
11	n-Tetradecane					
	7.697	7.689	0.008	912	0	
A 12	C10-C20					
	5.250 - 10.235					
13	Hexadecane					
	8.648	8.623	0.025	5480	0	
A 14	C10-C28					
	5.188 - 13.675					

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A	15 Diesel					
	5.250 - 13.620					
	16 n-Octadecane					
	9.500	9.466	0.034	661	0	
A	17 C10-C32					
	5.250 - 14.817					
	18 icosane					
	10.236	10.235	0.001	1128	0	
	19 n-Docosane					
	11.069	11.115	-0.046	914	0	
A	20 C12-C24					
	4.548	3.039 - 6.058		16242731	88.2	
	21 n-Tetracosane					
	12.131	12.128	0.003	1885	0	
A	22 C20-C34					
	10.235 - 15.599					
	23 n-Hexacosane					
	12.944	12.941	0.003	5319	0	
	24 n-Octacosane					
	13.596	13.620	-0.024	14996	0	
	25 Triacontane					
	14.211	14.210	0.001	12328	0	
	26 Dotriacontane					
	14.822	14.817	0.005	12982	0	
	27 Tetratriacontane					
	15.603	15.599	0.004	13089	0	
A	28 C24-C40					
	12.128 - 20.428					
	29 n-Hexatriacontane					
	16.680	16.674	0.006	10572	0	
	30 C38					
	18.165	18.210	-0.045	1421	0	
	31 C40					1
	20.428					
A	32 C20-C36					
	10.235 - 16.674					
A	34 C24-C44					
	12.128 - 23.884					
A	35 C10-C24					
	3.790	3.117 - 4.463		15401016	83.6	

QC Flag Legend

Processing Flags
1 - Missing Peaks

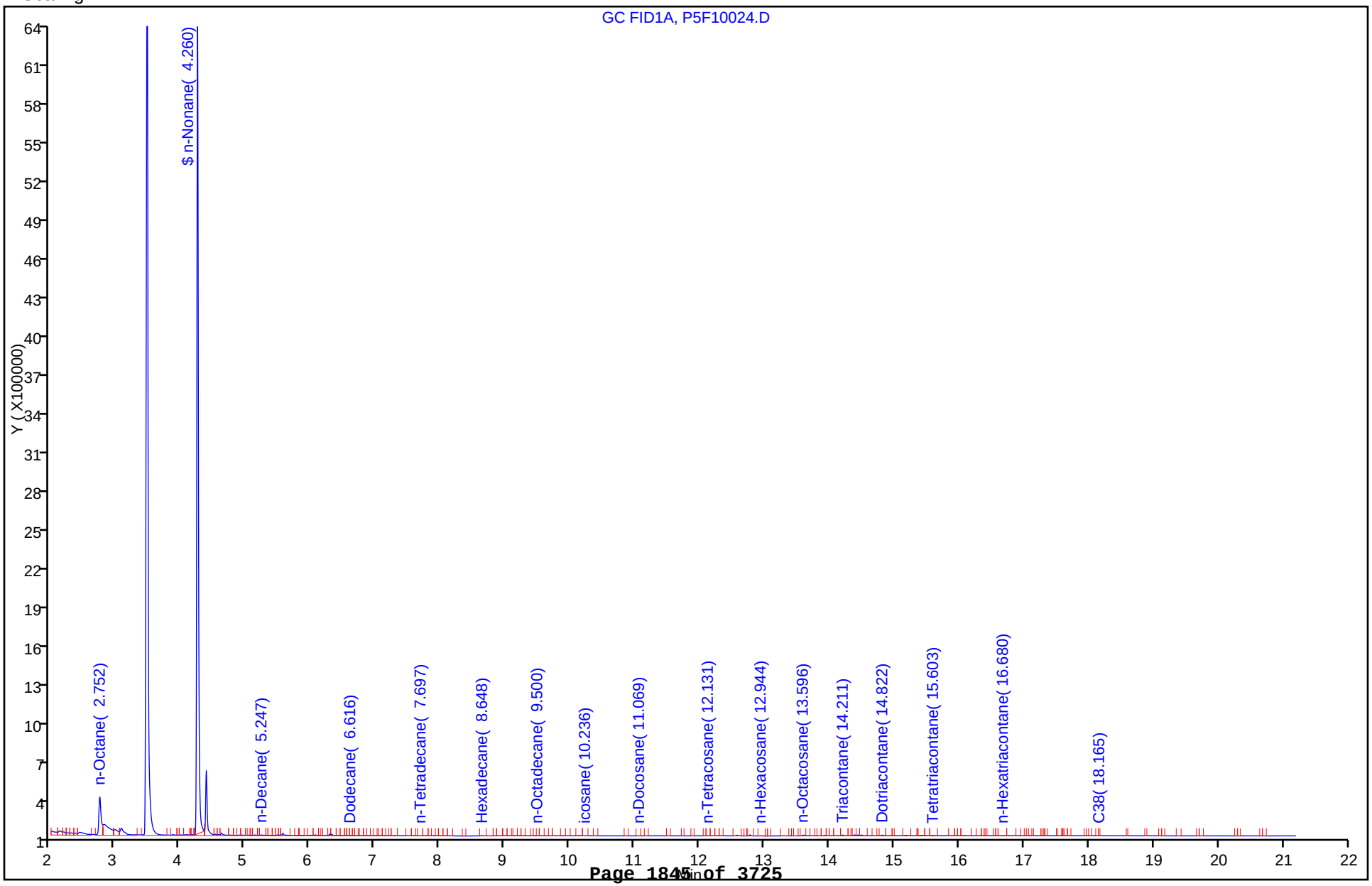
Report Date: 21-Dec-2012 09:34:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10024.D

Injection Date:	21-Dec-2012 02:36:55	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	24
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69794/6-A

Matrix: Solid | Lab File ID: P6F24021.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/21/2012 11:38

Sample wt/vol: 30.00(g) | Date Analyzed: 12/25/2012 01:37

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70006 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	9.3	U	17	9.3	9.3
STL00272	C20-C34	9.3	U	17	9.3	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	62		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24021.D		
Lims ID:	MB 240-69794/6-A	Client ID:	
Inject. Date:	25-Dec-2012 01:37:45	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0016152-021		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	70006	Lims Sample ID:	21
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\TPH6F.m		
Last Update:	26-Dec-2012 09:44:40	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
	27.289					
A	2 C28-C36					
	13.701 - 16.672					
A	3 C10-C34					
	10.316	5.154 - 15.478		9869536	56.6	
A	4 C32-C44					
	14.764 - 14.769					
A	5 C12-C22					
	6.554 - 11.022					
A	6 C22-C32					
	11.022 - 14.764					
	7 n-Octane					
	2.503	2.507	-0.004	422694	0	
$	8 n-Nonane					
	4.132	4.141	-0.009	8495099	61.5	
	9 n-Decane					
	5.146	5.154	-0.008	568	0	
	10 Dodecane					1
	6.554					
	11 n-Tetradecane					1
	7.643					
A	12 C10-C20					
	5.154 - 10.218					
	13 Hexadecane					1
	8.591					
A	14 C10-C28					
	5.119 - 13.701					

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
	5.154 - 13.598				
16 n-Octadecane					1
	9.443				
A 17 C10-C32					
9.959	5.154 - 14.764		8444306	48.4	
18 icosane					1
	10.218				
19 n-Docosane					1
	11.022				
A 20 C12-C24					
	6.554 - 12.063				
21 n-Tetracosane					1
	12.063				
A 22 C20-C34					
	10.218 -15.478				
23 n-Hexacosane					1
	12.906				
24 n-Octacosane					1
	13.598				
25 Triacontane					1
	14.198				
26 Dotriacontane					1
	14.764				
27 Tetratriacontane					1
	15.478				
A 28 C24-C40					
	12.063 -19.886				
29 n-Hexatriacontane					1
	16.460				
30 C38					1
	17.863				
31 C40					1
	19.886				
A 32 C20-C36					
	10.218 -16.460				
A 33 C24-C44					
	12.063 -27.069				
A 34 C10-C24					
	5.154 - 12.063				

QC Flag Legend

Processing Flags
1 - Missing Peaks

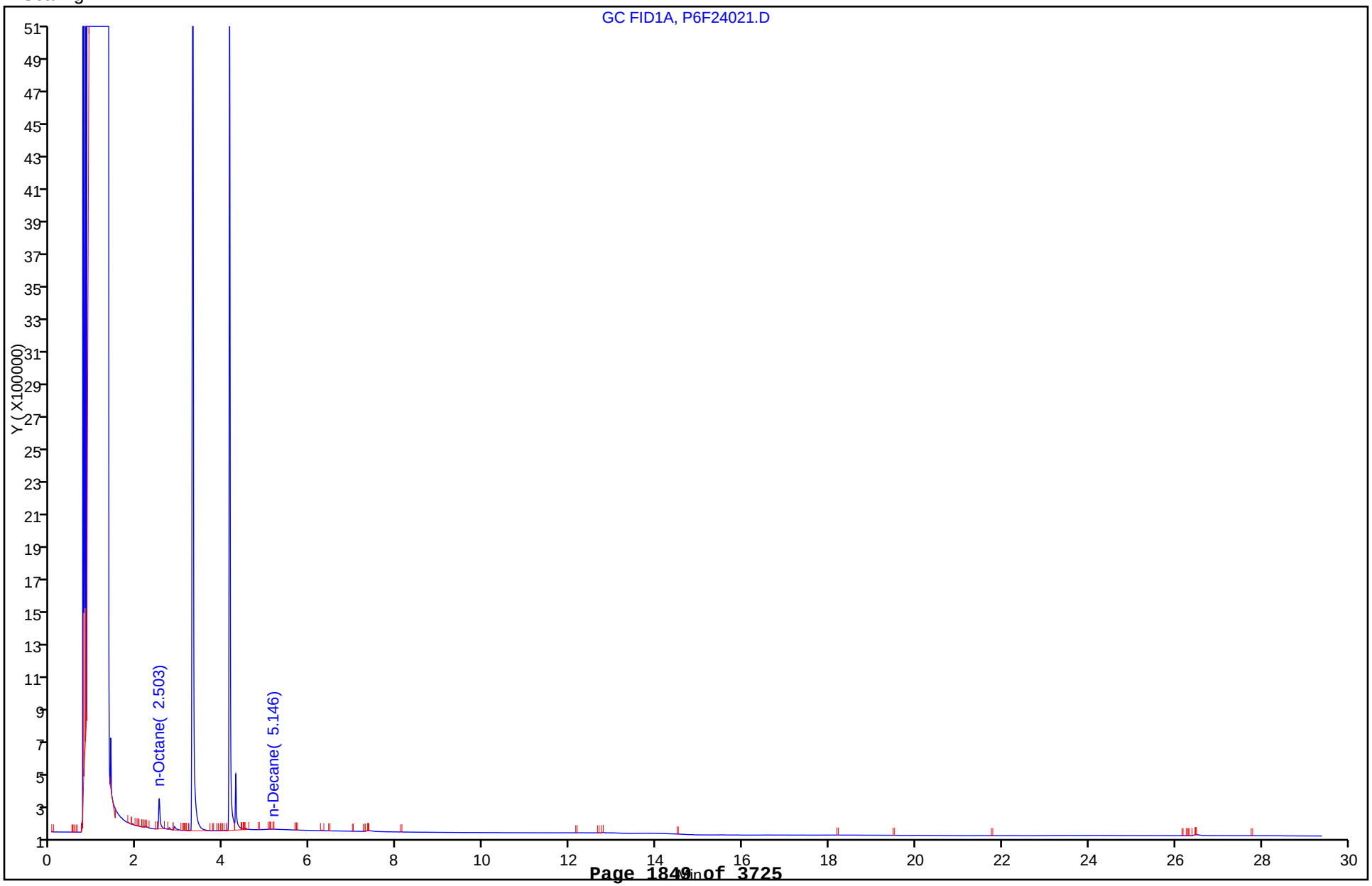
Report Date: 26-Dec-2012 09:44:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24021.D

Injection Date:	25-Dec-2012 01:37:45	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	21
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-69404/18-A

Matrix: Solid Lab File ID: P5F10025.D

Analysis Method: 8015B_DRO/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 12/19/2012 11:57

Sample wt/vol: 30.00(g) Date Analyzed: 12/21/2012 03:06

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	50		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10025.D		
Lims ID:	LCS 240-69404/18-A	Client ID:	
Inject. Date:	21-Dec-2012 03:06:53	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0016061-025		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	69606	Lims Sample ID:	25
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m		
Last Update:	21-Dec-2012 09:34:16	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK029		

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$	8 n-Nonane					
	4.256	4.268	-0.012	9642268	49.7	
A	15 Diesel					
	9.435	5.250 -	13.620	68694162	373.0	

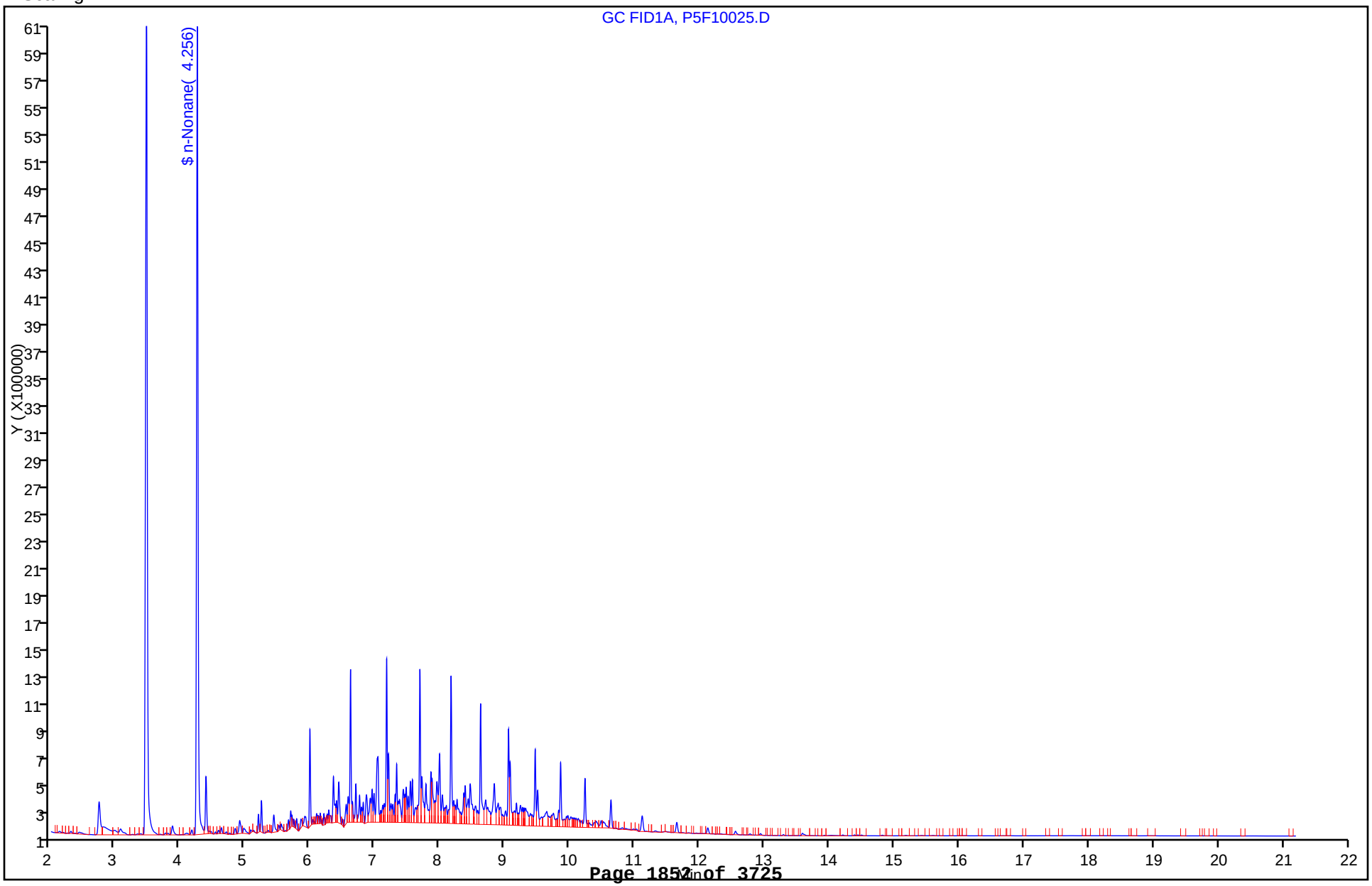
Report Date: 21-Dec-2012 09:34:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10025.D

Injection Date:	21-Dec-2012 03:06:53	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	25
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69794/7-A

Matrix: Solid | Lab File ID: P6F24022.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/21/2012 11:38

Sample wt/vol: 30.00(g) | Date Analyzed: 12/25/2012 02:16

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70006 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	67		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24022.D		
Lims ID:	LCS 240-69794/7-A	Client ID:	
Inject. Date:	25-Dec-2012 02:16:36	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0016152-022		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	70006	Lims Sample ID:	22
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\TPH6F.m		
Last Update:	26-Dec-2012 09:44:40	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 8 n-Nonane					
4.129	4.141	-0.012	9212081	66.7	
A 15 Diesel					
9.376	5.154 - 13.598		72547903	416.0	

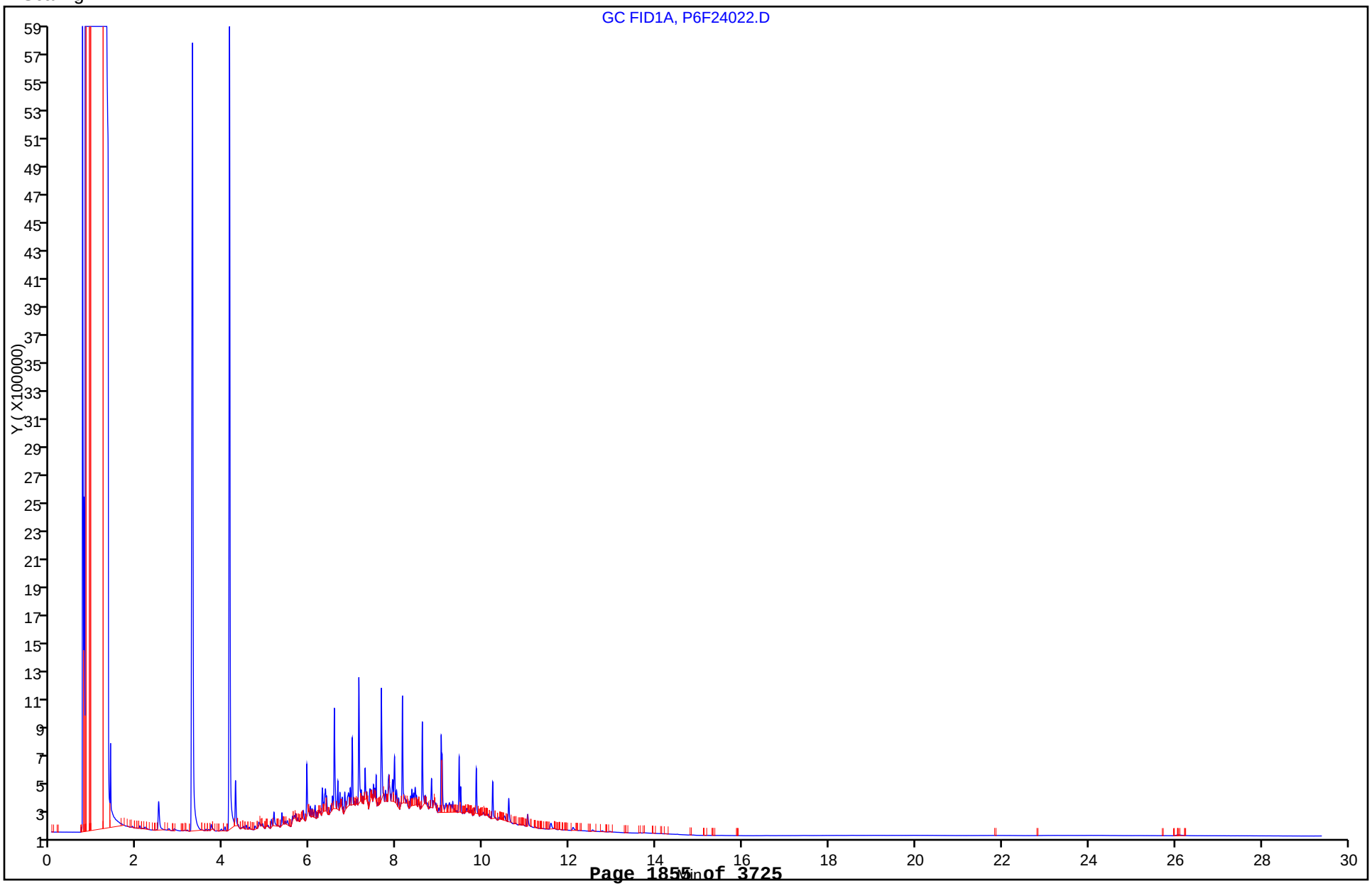
Report Date: 26-Dec-2012 09:44:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24022.D

Injection Date:	25-Dec-2012 02:16:36	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	22
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69606/4

Matrix: Solid | Lab File ID: P5F10004.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/20/2012 16:30

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	72.2	J	100	56	56
STL00272	C20-C34	56	U	100	56	56

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	76		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10004.D
Lims ID: MRL Client ID:
Inject. Date: 20-Dec-2012 16:30:14 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016061-004
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5F
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 69606 Lims Sample ID: 4
Detector: GC FID1A

Method: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m
Last Update: 21-Dec-2012 09:34:04 Calib Date: 24-Sep-2012 19:19:01
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	Tetratetracontane					1
	23.884					
A 2	C28-C36					
	13.675	-16.894				
A 3	C10-C34					
	10.424	5.250 - 15.599		20759027	112.7	
A 4	C32-C44					1
	0.0 -	0.100				
A 5	C12-C22					
	8.867	6.620 - 11.115		12197357	66.2	
A 6	C22-C32					
	11.115	-14.817				
7	n-Octane					
	2.778	2.765	0.013	22571	0	
$ 8	n-Nonane					
	4.267	4.268	-0.001	1475420	7.60	
9	n-Decane					
	5.250	5.250	0.000	198112	0	
10	Dodecane					
	6.619	6.620	-0.001	350103	0	
11	n-Tetradecane					
	7.688	7.689	-0.001	298872	0	
A 12	C10-C20					
	7.742	5.250 - 10.235		13286292	72.2	
13	Hexadecane					
	8.624	8.623	0.001	294124	0	
A 14	C10-C28					
	9.431	5.188 - 13.675		20118005	100.1	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.435	5.250 - 13.620		19564809	106.2	
16 n-Octadecane					
9.465	9.466	-0.001	140778	0	
A 17 C10-C32					
10.033	5.250 - 14.817		20368959	110.6	
18 icosane					
10.234	10.235	-0.001	70560	0	
19 n-Docosane					
11.114	11.115	-0.001	18598	0	
A 20 C12-C24					
	3.039 - 6.058				
21 n-Tetracosane					
12.128	12.128	0.000	6846	0	
A 22 C20-C34					
	10.235 - 15.599				
23 n-Hexacosane					
12.942	12.941	0.001	2381	0	
24 n-Octacosane					
13.621	13.620	0.001	4165	0	
25 Triacontane					
14.210	14.210	0.000	8575	0	
26 Dotriacontane					
14.816	14.817	-0.001	8896	0	
27 Tetratriacontane					
15.600	15.599	0.001	7208	0	
A 28 C24-C40					
	12.128 - 20.428				
29 n-Hexatriacontane					
16.686	16.674	0.012	4354	0	
30 C38					
18.183	18.210	-0.027	714	0	
31 C40					1
	20.428				
A 32 C20-C36					
	10.235 - 16.674				
A 34 C24-C44					
	12.128 - 23.884				
A 35 C10-C24					
	3.117 - 4.463				

QC Flag Legend

Processing Flags
1 - Missing Peaks

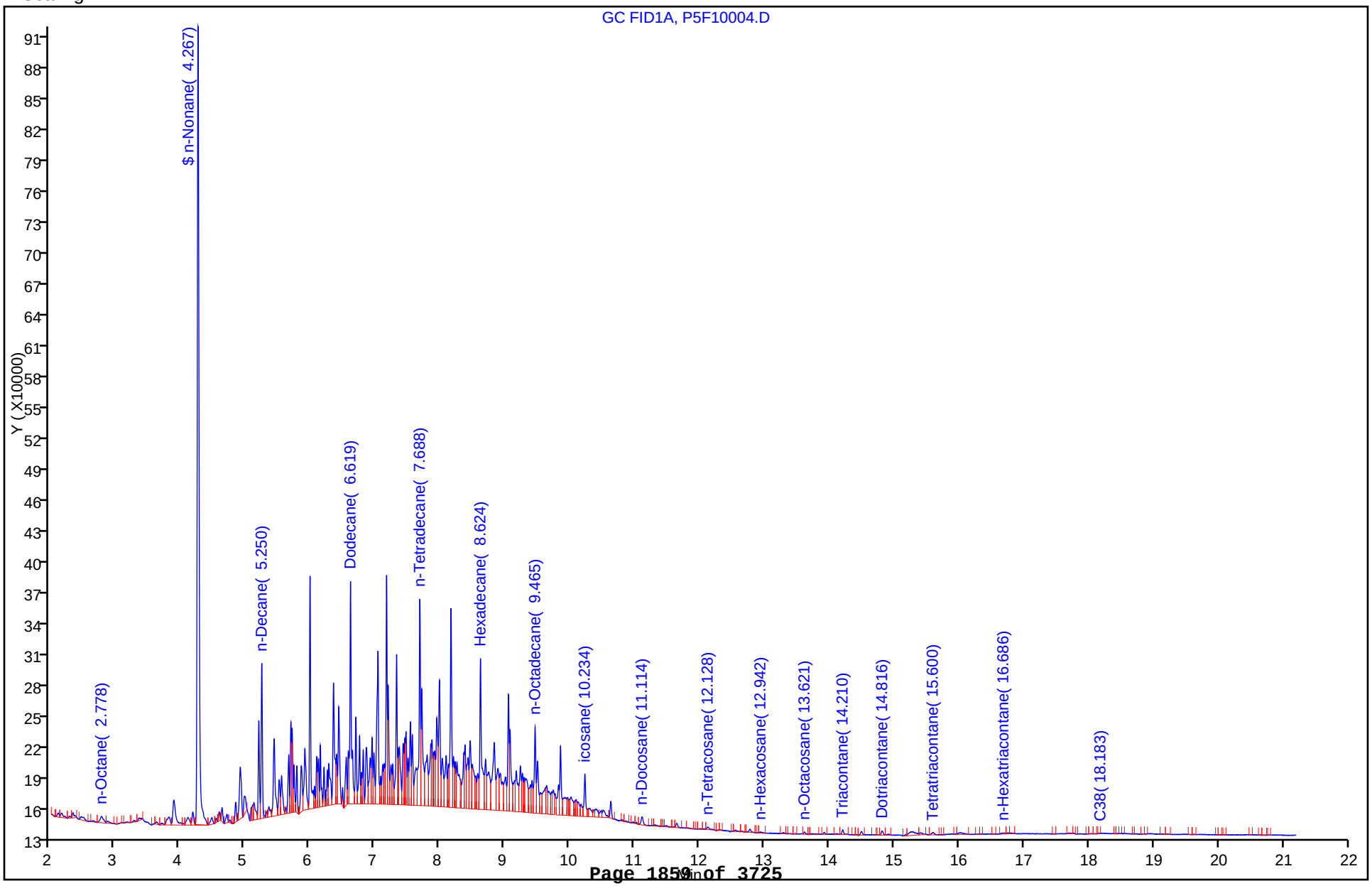
Report Date: 21-Dec-2012 09:34:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10004.D

Injection Date:	20-Dec-2012 16:30:14	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	4
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69606/47

Matrix: Solid | Lab File ID: P5F10047.D

Analysis Method: 8015B_DRO/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/21/2012 14:11

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69606 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	66.9	J	100	56	56
STL00272	C20-C34	56	U	100	56	56

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	74		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10047.D
Lims ID: MRL Client ID:
Inject. Date: 21-Dec-2012 14:11:22 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016061-047
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5F
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 69606 Lims Sample ID: 47
Detector: GC FID1A

Method: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\TPH5F.m
Last Update: 24-Dec-2012 09:04:26 Calib Date: 24-Sep-2012 19:19:01
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK020

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	Tetratetracontane					1
	23.884					
A 2	C28-C36					
	13.675	-16.894				
A 3	C10-C34					
	10.424	5.250 - 15.599		18004469	97.8	
A 4	C32-C44					1
	0.0 -	0.100				
A 5	C12-C22					
	8.867	6.620 - 11.115		11228565	61.0	
A 6	C22-C32					
	11.115	-14.817				
7	n-Octane					
	2.774	2.765	0.009	23116	0	
$ 8	n-Nonane					
	4.266	4.268	-0.002	1438223	7.41	
9	n-Decane					
	5.249	5.250	-0.001	169281	0	
10	Dodecane					
	6.619	6.620	-0.001	249490	0	
11	n-Tetradecane					
	7.689	7.689	0.000	268419	0	
A 12	C10-C20					
	7.742	5.250 - 10.235		12313870	66.9	
13	Hexadecane					
	8.624	8.623	0.001	259284	0	
A 14	C10-C28					
	9.431	5.188 - 13.675		17893904	89.1	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.435	5.250 - 13.620		17643696	95.8	
16 n-Octadecane					
9.467	9.466	0.001	126586	0	
A 17 C10-C32					
10.033	5.250 - 14.817		17813218	96.7	
18 icosane					
10.234	10.235	-0.001	56092	0	
19 n-Docosane					
11.118	11.115	0.003	17985	0	
A 20 C12-C24					
	3.039 - 6.058				
21 n-Tetracosane					
12.131	12.128	0.003	5048	0	
A 22 C20-C34					
	10.275 - 15.599				
23 n-Hexacosane					
12.947	12.941	0.006	2016	0	
24 n-Octacosane					
13.620	13.620	0.000	3018	0	
25 Triacontane					
14.213	14.210	0.003	4791	0	
26 Dotriacontane					
14.819	14.817	0.002	3823	0	
27 Tetratriacontane					
15.597	15.599	-0.002	3666	0	
A 28 C24-C40					
	12.128 - 20.428				
29 n-Hexatriacontane					
16.655	16.674	-0.019	435	0	
30 C38					
18.189	18.210	-0.021	6443	0	
31 C40					
20.381	20.428	-0.047	2170	0	
A 32 C20-C36					
	10.235 - 16.674				
A 34 C24-C44					
	12.128 - 23.884				
A 35 C10-C24					
	3.117 - 4.463				

QC Flag Legend

Processing Flags
1 - Missing Peaks

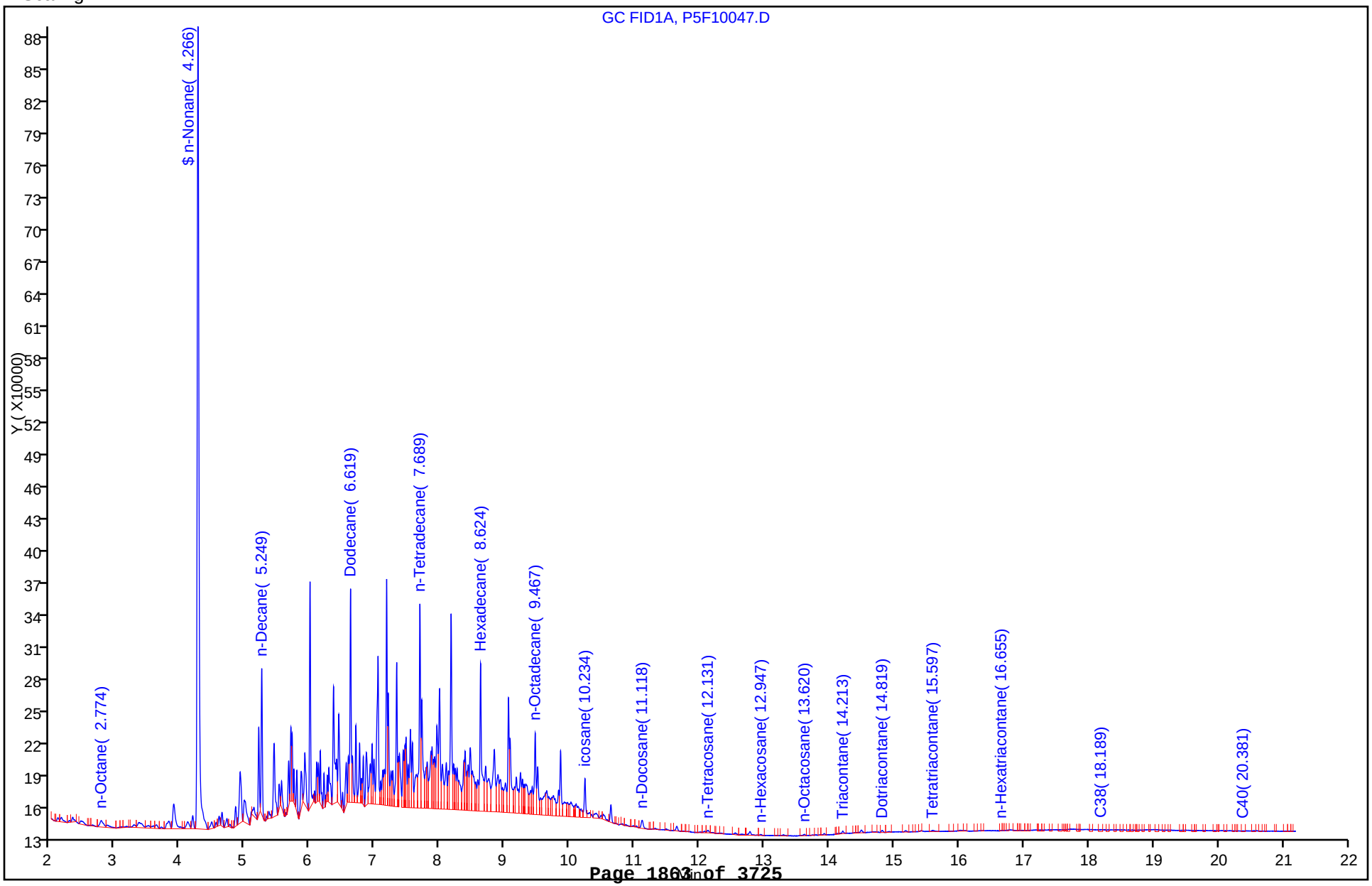
Report Date: 24-Dec-2012 09:04:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121220-16061.b\P5F10047.D

Injection Date:	21-Dec-2012 14:11:22	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	69606	Lims Sample ID:	47
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-70013/4

Matrix: Solid Lab File ID: P5F10004.D

Analysis Method: 8015B_DRO/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/24/2012 13:45

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70013 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	70.3	J	100	56	56
STL00272	C20-C34	56	U	100	56	56

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	76		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10004.D
Lims ID: MRL Client ID:
Inject. Date: 24-Dec-2012 13:45:13 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016155-004
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5F
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 70013 Lims Sample ID: 4
Detector: GC FID1A

Method: \\Ncchrom\ChromData\A2HP5F\20121224-16155.b\TPH5F.m
Last Update: 26-Dec-2012 09:21:02 Calib Date: 24-Sep-2012 19:19:01
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	Tetratetracontane					1
	23.884					
A 2	C28-C36					
	13.690	-16.778				
A 3	C10-C34					
	10.406	5.230 - 15.581		18587485	100.9	
A 4	C32-C44					1
	0.0 -	0.100				
A 5	C12-C22					
	8.852	6.605 - 11.099		11872938	64.5	
A 6	C22-C32					
	11.099	-14.803				
7	n-Octane					
	2.734	2.726	0.008	20295	0	
$ 8	n-Nonane					
	4.239	4.242	-0.003	1480461	7.63	
9	n-Decane					
	5.230	5.230	0.000	208908	0	
10	Dodecane					
	6.605	6.605	0.000	396139	0	
11	n-Tetradecane					
	7.677	7.677	0.000	342378	0	
A 12	C10-C20					
	7.727	5.230 - 10.223		12953059	70.3	
13	Hexadecane					
	8.612	8.613	-0.001	308382	0	
A 14	C10-C28					
	9.433	5.175 - 13.690		18486071	92.0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.419	5.230 - 13.608		18242310	99.1	
16 n-Octadecane					
9.455	9.455	0.000	153937	0	
A 17 C10-C32					
10.017	5.230 - 14.803		18456369	100.2	
18 icosane					
10.223	10.223	0.000	87256	0	
19 n-Docosane					
11.101	11.099	0.002	17099	0	
A 20 C12-C24					
	3.039 - 6.058				
21 n-Tetracosane					
12.117	12.113	0.004	4663	0	
A 22 C20-C34					
	10.223 - 15.581				
23 n-Hexacosane					
12.931	12.928	0.003	1331	0	
24 n-Octacosane					
13.610	13.608	0.002	4810	0	
25 Triacontane					
14.199	14.198	0.001	5358	0	
26 Dotriacontane					
14.807	14.803	0.004	5418	0	
27 Tetratriacontane					
15.589	15.581	0.008	4160	0	
A 28 C24-C40					
	12.113 - 20.380				
29 n-Hexatriacontane					1
	16.650				
30 C38					1
	18.175				
31 C40					
20.342	20.380	-0.038	1053	0	
A 32 C20-C36					
	10.223 - 16.650				
A 34 C24-C44					
	12.113 - 23.884				
A 35 C10-C24					
	3.117 - 4.463				

QC Flag Legend

Processing Flags
1 - Missing Peaks

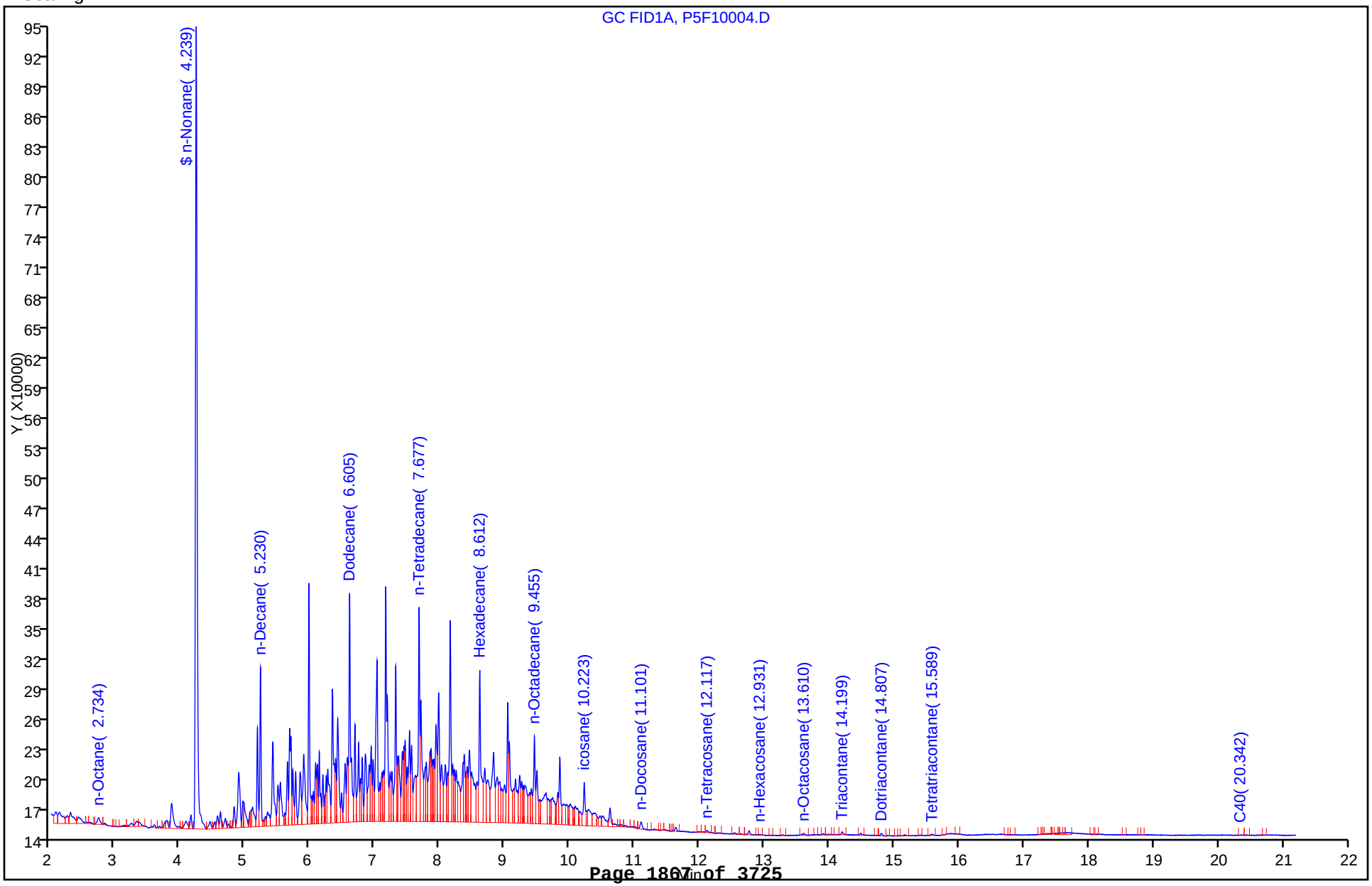
Report Date: 26-Dec-2012 09:21:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10004.D

Injection Date:	24-Dec-2012 13:45:13	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	70013	Lims Sample ID:	4
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-70013/31

Matrix: Solid Lab File ID: P5F10031.D

Analysis Method: 8015B_DRO/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/25/2012 03:14

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70013 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	70.7	J	100	56	56
STL00272	C20-C34	56	U	100	56	56

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	77		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10031.D
Lims ID: MRL Client ID:
Inject. Date: 25-Dec-2012 03:14:23 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016155-031
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5F
Injection Vol: 1.0 ul ALS Bottle#: 31
Lims Batch ID: 70013 Lims Sample ID: 31
Detector: GC FID1A

Method: \\Ncchrom\ChromData\A2HP5F\20121224-16155.b\TPH5F.m
Last Update: 26-Dec-2012 09:21:22 Calib Date: 24-Sep-2012 19:19:01
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	Tetratetracontane					1
	23.884					
A 2	C28-C36					
	13.690	-16.778				
A 3	C10-C34					
	10.406	5.230 - 15.581		18226701	99.0	
A 4	C32-C44					1
	0.0 -	0.100				
A 5	C12-C22					
	8.852	6.605 - 11.099		11342081	61.6	
A 6	C22-C32					
	11.099	-14.803				
7	n-Octane					
	2.731	2.726	0.005	24560	0	
$ 8	n-Nonane					
	4.239	4.242	-0.003	1488810	7.67	
9	n-Decane					
	5.230	5.230	0.000	213569	0	
10	Dodecane					
	6.604	6.605	-0.001	434674	0	
11	n-Tetradecane					
	7.675	7.677	-0.002	337519	0	
A 12	C10-C20					
	7.727	5.230 - 10.223		13027249	70.7	
13	Hexadecane					
	8.611	8.613	-0.002	343228	0	
A 14	C10-C28					
	9.433	5.175 - 13.690		18164718	90.4	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.419	5.230 - 13.608		17858045	97.0	
16 n-Octadecane					
9.453	9.455	-0.002	159475	0	
A 17 C10-C32					
10.017	5.230 - 14.803		18093262	98.3	
18 icosane					
10.221	10.223	-0.002	89787	0	
19 n-Docosane					
11.097	11.099	-0.002	24410	0	
A 20 C12-C24					
	3.039 - 6.058				
21 n-Tetracosane					
12.111	12.113	-0.002	3788	0	
A 22 C20-C34					
	10.223 - 15.581				
23 n-Hexacosane					
12.924	12.928	-0.004	1304	0	
24 n-Octacosane					1
	13.608				
25 Triacontane					
14.196	14.198	-0.002	1656	0	
26 Dotriacontane					
14.800	14.803	-0.003	3943	0	
27 Tetratriacontane					
15.584	15.581	0.003	1868	0	
A 28 C24-C40					
	12.113 - 20.380				
29 n-Hexatriacontane					
16.602	16.650	-0.048	1294	0	
30 C38					1
	18.175				
31 C40					
20.392	20.380	0.012	5033	0	
A 32 C20-C36					
	10.223 - 16.650				
A 34 C24-C44					
	12.113 - 23.884				
A 35 C10-C24					
	3.117 - 4.463				

QC Flag Legend

Processing Flags
1 - Missing Peaks

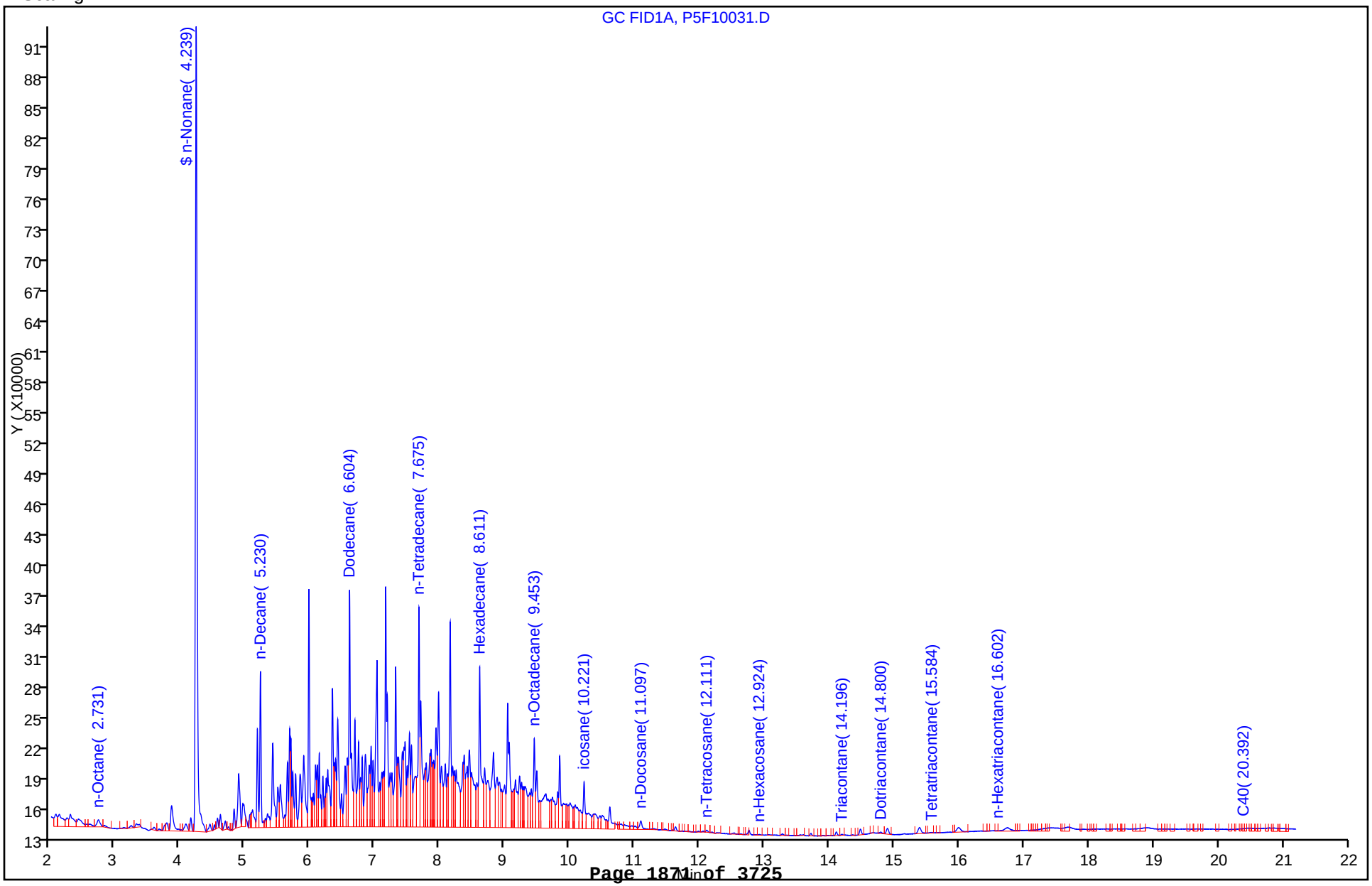
Report Date: 26-Dec-2012 09:21:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10031.D

Injection Date:	25-Dec-2012 03:14:23	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP5F
Lims Batch ID:	70013	Lims Sample ID:	31
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MS | Lab Sample ID: 240-18581-1 MS

Matrix: Solid | Lab File ID: P5F10007.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 11:45

Extraction Method: 3540C | Date Extracted: 12/19/2012 11:57

Sample wt/vol: 30.39(g) | Date Analyzed: 12/24/2012 15:16

Con. Extract Vol.: 5(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 18.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70013 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	553	D	200	110	110
STL00272	C20-C34	232	D	200	110	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	42		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10007.D		
Lims ID:	240-18581-M-1-E MS	Client ID:	070SB-0042M-0002-SO
Inject. Date:	24-Dec-2012 15:16:14	Dil. Factor:	10.0000
Sample Type:	MS		
Sample ID:	240-0016155-007		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	70013	Lims Sample ID:	7
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\TPH5F.m		
Last Update:	26-Dec-2012 09:57:46	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

First Level Reviewer: bolgrind Date: 26-Dec-2012 09:57:46

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
	23.884					
A	2 C28-C36					
	15.234	13.690	-16.778	10127601	50.4	
A	3 C10-C34					
	10.406	5.230	- 15.581	99793248	541.9	
A	4 C32-C44					1
		0.0	- 0.100			
A	5 C12-C22					
	8.852	6.605	- 11.099	57674434	313.2	
A	6 C22-C32					
	12.951	11.099	-14.803	6239385	33.9	
	7 n-Octane					
	2.747	2.726	0.021	2898470	0	
$	8 n-Nonane					
	4.247	4.242	0.005	806297	4.15	
	9 n-Decane					
	5.233	5.230	0.003	30426	0	
	10 Dodecane					
	6.605	6.605	0.000	149326	0	
	11 n-Tetradecane					
	7.676	7.677	-0.001	207304	0	
A	12 C10-C20					
	7.727	5.230	- 10.223	50392683	273.7	
	13 Hexadecane					
	8.613	8.613	0.000	315284	0	
A	14 C10-C28					
	9.433	5.175	- 13.690	84482591	420.5	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.419	5.230 -	13.608	83696571	454.5	
16 n-Octadecane					
9.452	9.455	-0.003	216372	0	
A 17 C10-C32					
10.017	5.230 -	14.803	94830780	515.0	
18 icosane					
10.223	10.223	0.000	551351	0	
19 n-Docosane					
11.107	11.099	0.008	155263	0	
A 20 C12-C24					
4.548	3.039 -	6.058	1349405064	7328.1	
21 n-Tetracosane					
12.131	12.113	0.018	140490	0	
A 22 C20-C34					
12.933	10.223 -	15.581	21137691	114.8	
23 n-Hexacosane					
12.926	12.928	-0.002	34482	0	
24 n-Octacosane					
13.624	13.608	0.016	127613	0	
25 Triacontane					
14.235	14.198	0.037	362781	0	
26 Dotriacontane					
14.801	14.803	-0.002	34211	0	
27 Tetratriacontane					
15.553	15.581	-0.028	13022	0	
A 28 C24-C40					
16.247	12.113 -	20.380	32763434	177.9	
29 n-Hexatriacontane					
16.677	16.650	0.027	818	0	
30 C38					
18.139	18.175	-0.036	11526	0	
31 C40					1
20.380					
A 32 C20-C36					
13.437	10.223 -	16.650	32580938	176.9	
A 34 C24-C44					
17.999	12.113 -	23.884	35077700	190.5	
A 35 C10-C24					
3.790	3.117 -	4.463	1350280045	7332.8	

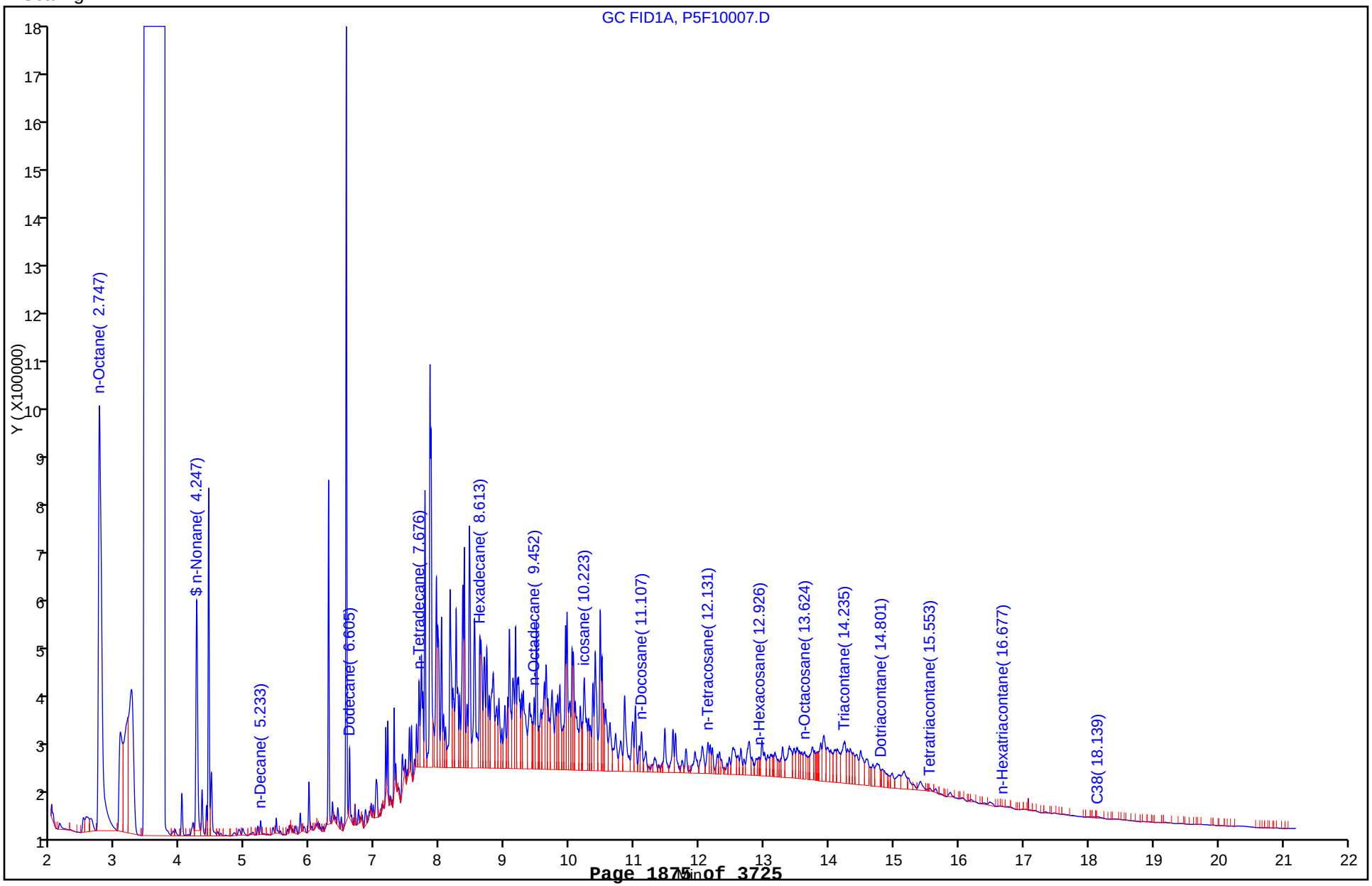
QC Flag Legend

Processing Flags
1 - Missing Peaks

Report Date: 26-Dec-2012 09:57:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10007.D		
Injection Date:	24-Dec-2012 15:16:14	Limit Group:	GC 8015C TPH ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A2HP5F
Lims Batch ID:	70013	Lims Sample ID:	7
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-043M-0001-SO MS | Lab Sample ID: 240-18581-2 MS

Matrix: Solid | Lab File ID: P6F24024.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 11:45

Extraction Method: 3540C | Date Extracted: 12/21/2012 11:38

Sample wt/vol: 29.94(g) | Date Analyzed: 12/25/2012 03:34

Con. Extract Vol.: 5(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.53(mm)

% Moisture: 20.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70006 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	418	D	100	58	58
STL00272	C20-C34	414	D M	100	58	58

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	60		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24024.D		
Lims ID:	240-18581-H-2-E MS	Client ID:	
Inject. Date:	25-Dec-2012 03:34:17	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	240-0016152-024		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	70006	Lims Sample ID:	24
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\TPH6F.m		
Last Update:	26-Dec-2012 09:44:40	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

First Level Reviewer: bolgrind Date: 26-Dec-2012 09:36:12

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane				1	
	27.289					
A	2 C28-C36					
	15.186	13.701 -	16.672	18073887	108.7	
A	3 C10-C34					
	10.316	5.154 -	15.478	136955984	785.4	
A	4 C32-C44					
		14.764 -	14.769			
A	5 C12-C22					
	8.788	6.554 -	11.022	82190283	471.3	
A	6 C22-C32					
	12.893	11.022 -	14.764	17335590	99.4	
	7 n-Octane					
	2.522	2.507	0.015	2538895	0	
$	8 n-Nonane					
	4.142	4.141	0.001	1650016	11.9	
	9 n-Decane					
	5.167	5.154	0.013	34318	0	
	10 Dodecane					
	6.557	6.554	0.003	311719	0	
	11 n-Tetradecane					
	7.644	7.643	0.001	287113	0	
A	12 C10-C20					
	7.686	5.154 -	10.218	69779186	400.1	
	13 Hexadecane					
	8.592	8.591	0.001	564881	0	
A	14 C10-C28					
	9.410	5.119 -	13.701	120923952	727.5	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.376	5.154 - 13.598		119618789	685.9	
16 n-Octadecane					
9.441	9.443	-0.002	53667	0	
A 17 C10-C32					
9.959	5.154 - 14.764		133146005	763.5	
18 icosane					
10.214	10.218	-0.004	316534	0	
19 n-Docosane					
11.019	11.022	-0.003	149245	0	
A 20 C12-C24					
9.309	6.554 - 12.063		95555421	547.9	
21 n-Tetracosane					
12.060	12.063	-0.003	41191	0	
A 22 C20-C34					M
12.848	10.218 - 15.478		69102262	396.3	M
23 n-Hexacosane					
12.902	12.906	-0.004	9503	0	
24 n-Octacosane					
13.599	13.598	0.001	24048	0	
25 Triacontane					
14.198	14.198	0.000	23387	0	
26 Dotriacontane					
14.757	14.764	-0.007	11542	0	
27 Tetratriacontane					
15.468	15.478	-0.010	6648	0	
A 28 C24-C40					
15.975	12.063 - 19.886		51896805	297.6	
29 n-Hexatriacontane					
16.452	16.460	-0.008	1960	0	
30 C38					
17.814	17.863	-0.049	406	0	
31 C40					1
19.886					
A 32 C20-C36					
13.339	10.218 - 16.460		67151995	385.1	
A 33 C24-C44					
19.566	12.063 - 27.069		58207280	333.8	
A 34 C10-C24					
8.609	5.154 - 12.063		99564593	570.9	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

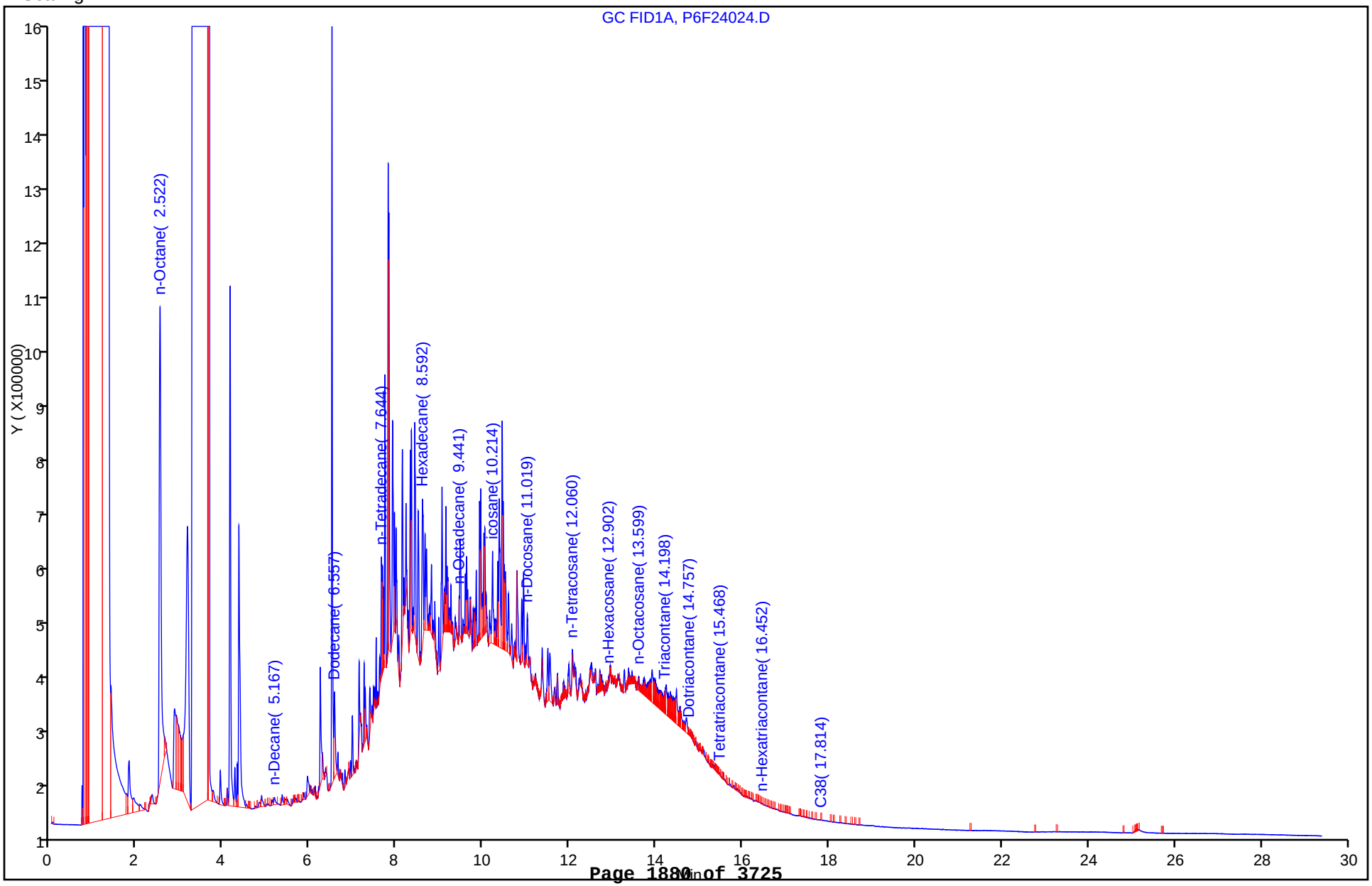
Report Date: 26-Dec-2012 09:44:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24024.D

Injection Date:	25-Dec-2012 03:34:17	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	24
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Report Date: 26-Dec-2012 09:44:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

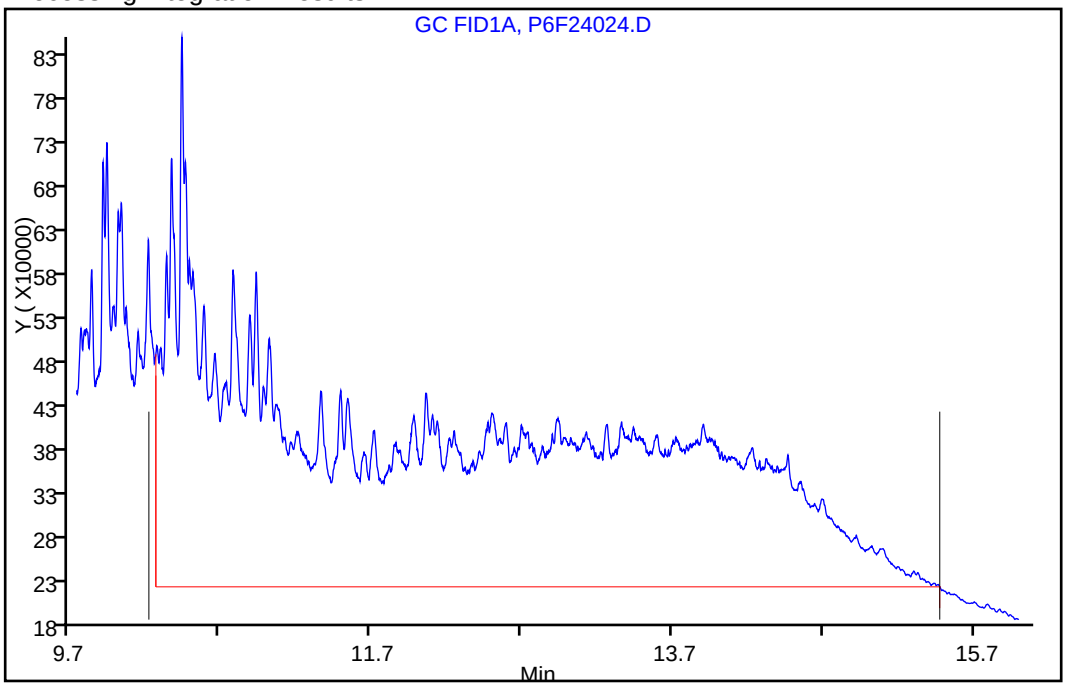
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24024.D		
Injection Date:	25-Dec-2012 03:34:17	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	24
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 22 C20-C34, Signal: 1, Type: quant, RT: 12.85

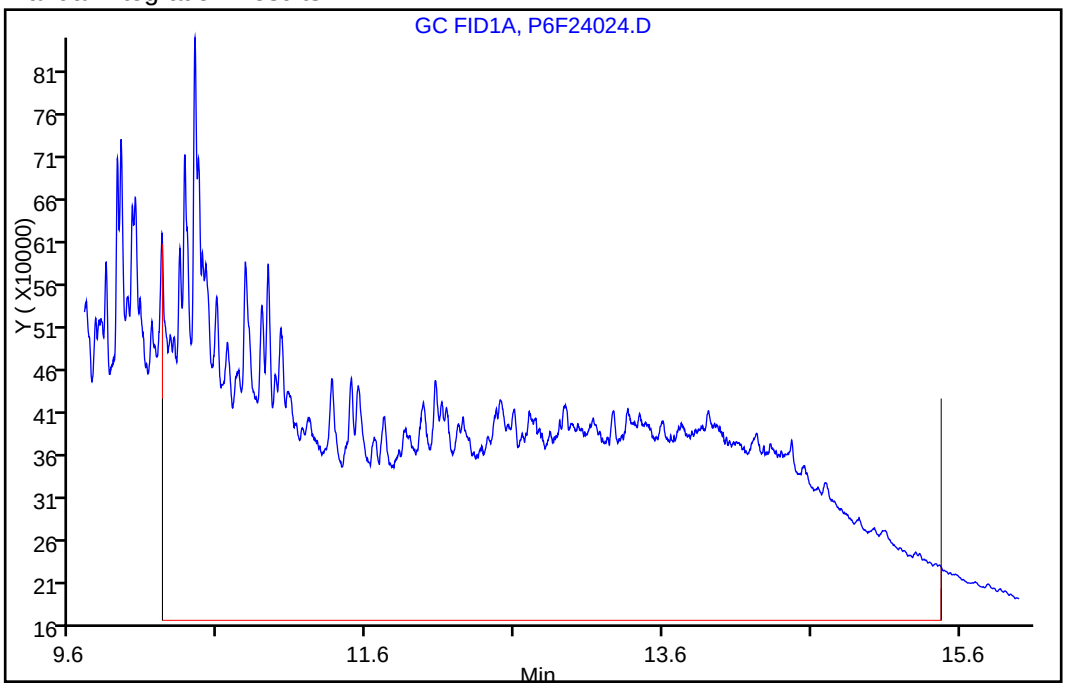
Processing Integration Results

RT: 12.87
Response: 48611375
Amount: 278.7545



Manual Integration Results

RT: 12.85
Response: 69102262
Amount: 396.2564



Reviewer: bolgrind, 26-Dec-2012 09:36:12
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MSD Lab Sample ID: 240-18581-1 MSD

Matrix: Solid Lab File ID: P5F10008.D

Analysis Method: 8015B_DRO/DOD Date Collected: 12/07/2012 11:45

Extraction Method: 3540C Date Extracted: 12/19/2012 11:57

Sample wt/vol: 29.87(g) Date Analyzed: 12/24/2012 15:46

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ID:

% Moisture: 18.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 70013 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	111		21	11	11
STL00272	C20-C34	46.5		21	11	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	15		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10008.D		
Lims ID:	240-18581-M-1-F MSD	Client ID:	070SB-0042M-0002-SO
Inject. Date:	24-Dec-2012 15:46:01	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	240-0016155-008		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP5F
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	70013	Lims Sample ID:	8
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\TPH5F.m		
Last Update:	26-Dec-2012 09:57:10	Calib Date:	24-Sep-2012 19:19:01
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP5F\20120924-13485.b\P5F92414.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					1
	23.884					
A	2 C28-C36					
	15.234	13.690 -	16.778	20704918	103.1	
A	3 C10-C34					
	10.406	5.230 -	15.581	197153948	1070.7	
A	4 C32-C44					1
	0.0 -		0.100			
A	5 C12-C22					
	8.852	6.605 -	11.099	112346568	610.1	
A	6 C22-C32					
	12.951	11.099 -	14.803	13644000	74.1	
	7 n-Octane					
	2.727	2.726	0.001	7196130	0	
$	8 n-Nonane					
	4.247	4.242	0.005	2882638	14.9	
	9 n-Decane					
	5.233	5.230	0.003	73527	0	
	10 Dodecane					
	6.605	6.605	0.000	293651	0	
	11 n-Tetradecane					
	7.677	7.677	0.000	348392	0	
A	12 C10-C20					
	7.710	5.230 -	10.189	99464780	540.2	
	13 Hexadecane					
	8.613	8.613	0.000	572086	0	
A	14 C10-C28					
	9.433	5.175 -	13.690	166650909	829.5	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.419	5.230 -	13.608	165079170	896.5	
16 n-Octadecane					
9.452	9.455	-0.003	345973	0	
A 17 C10-C32					
10.017	5.230 -	14.803	187396725	1017.7	
18 icosane					
10.224	10.223	0.001	685523	0	
19 n-Docosane					
11.105	11.099	0.006	249988	0	
A 20 C12-C24					
4.548	3.039 -	6.058	3166852045	17198	
21 n-Tetracosane					
12.132	12.113	0.019	213379	0	
A 22 C20-C34					
12.902	10.223 -	15.581	41604786	225.9	
23 n-Hexacosane					
12.921	12.928	-0.007	130589	0	
24 n-Octacosane					
13.622	13.608	0.014	264052	0	
25 Triacontane					
14.224	14.198	0.026	335933	0	
26 Dotriacontane					
14.817	14.803	0.014	263376	0	
27 Tetratriacontane					
15.546	15.581	-0.035	36662	0	
A 28 C24-C40					
16.247	12.113 -	20.380	62999950	342.1	
29 n-Hexatriacontane					
16.624	16.650	-0.026	7038	0	
30 C38					1
18.175					
31 C40					
20.399	20.380	0.019	2551	0	
A 32 C20-C36					
13.437	10.223 -	16.650	64447840	350.0	
A 34 C24-C44					
17.999	12.113 -	23.884	67026540	364.0	
A 35 C10-C24					
3.790	3.117 -	4.463	3168880660	17209	

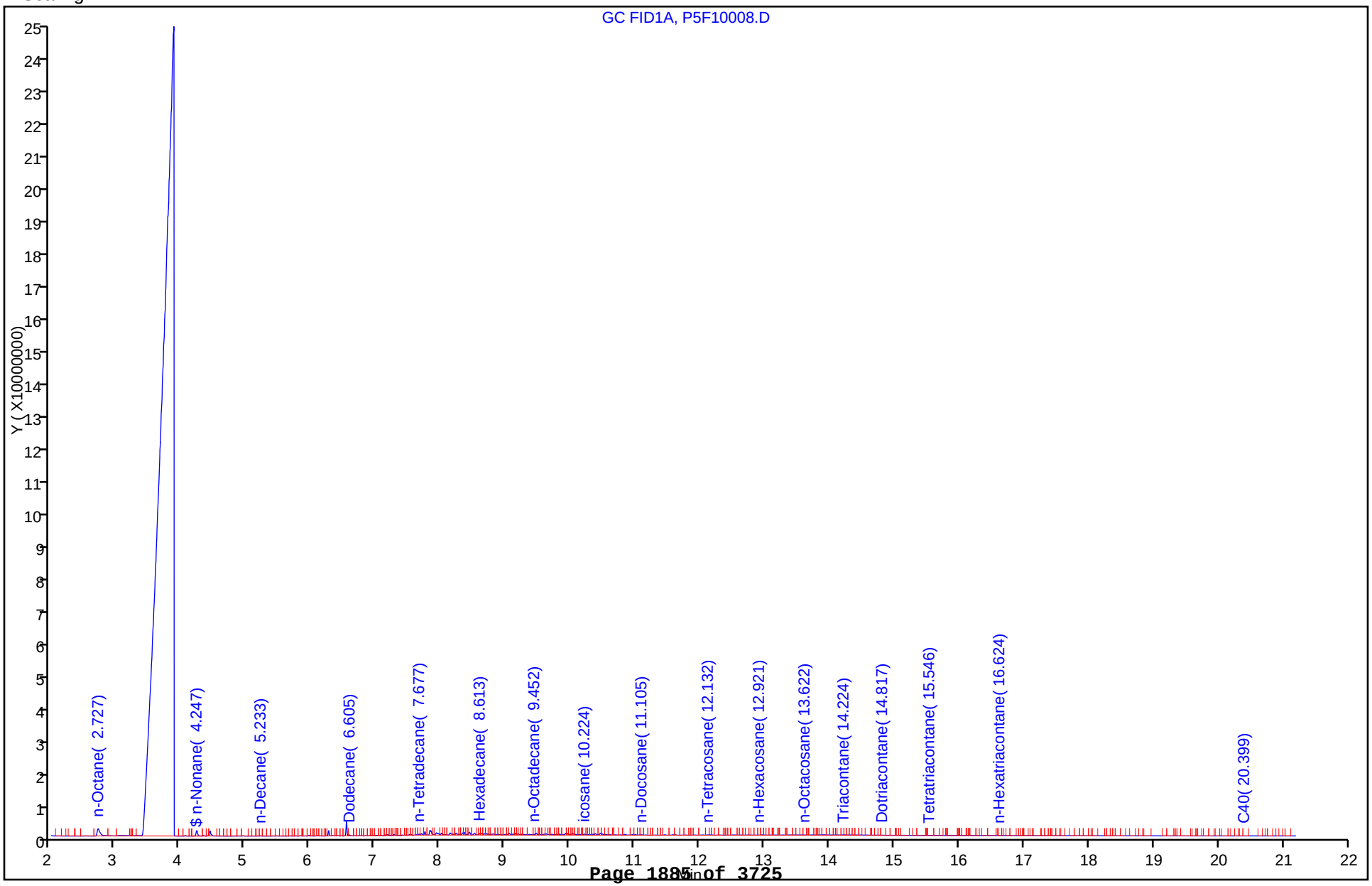
QC Flag Legend

Processing Flags
1 - Missing Peaks

Report Date: 26-Dec-2012 09:57:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP5F\20121224-16155.b\P5F10008.D		
Injection Date:	24-Dec-2012 15:46:01	Limit Group:	GC 8015C TPH ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A2HP5F
Lims Batch ID:	70013	Lims Sample ID:	8
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	
Y Scaling:			



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-043M-0001-SO MSD | Lab Sample ID: 240-18581-2 MSD

Matrix: Solid | Lab File ID: P6F24025.D

Analysis Method: 8015B_DRO/DOD | Date Collected: 12/07/2012 11:45

Extraction Method: 3540C | Date Extracted: 12/21/2012 11:38

Sample wt/vol: 29.77(g) | Date Analyzed: 12/25/2012 04:13

Con. Extract Vol.: 5(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.53(mm)

% Moisture: 20.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70006 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	473	D	110	58	58
STL00272	C20-C34	524	D M	110	58	58

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	51		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24025.D		
Lims ID:	240-18581-H-2-F MSD	Client ID:	
Inject. Date:	25-Dec-2012 04:13:06	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	240-0016152-025		
Misc. Info.:			
Operator:	4275	Instrument ID:	A2HP6F
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	70006	Lims Sample ID:	25
Detector:	GC FID1A		
Method:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\TPH6F.m		
Last Update:	26-Dec-2012 09:44:40	Calib Date:	11-Dec-2012 18:11:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP6F\20121211-15714.b\P6F11008.D		
Limit Group:	GC 8015C TPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

First Level Reviewer: bolgrind Date: 26-Dec-2012 09:36:36

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	1 Tetratetracontane					
	27.026	27.289	-0.263	413	0	
A	2 C28-C36					
	15.186	13.701	-16.672	20527119	123.5	
A	3 C10-C34					
	10.316	5.154	- 15.478	157976821	905.9	
A	4 C32-C44					
		14.764	-14.769			
A	5 C12-C22					
	8.788	6.554	- 11.022	93555744	536.5	
A	6 C22-C32					
	12.893	11.022	-14.764	20793989	119.2	
	7 n-Octane					
	2.522	2.507	0.015	3882060	0	
$	8 n-Nonane					
	4.143	4.141	0.002	1412999	10.2	
	9 n-Decane					
	5.168	5.154	0.014	30820	0	
	10 Dodecane					
	6.556	6.554	0.002	350252	0	
	11 n-Tetradecane					
	7.644	7.643	0.001	419308	0	
A	12 C10-C20					
	7.686	5.154	- 10.218	78543739	450.4	
	13 Hexadecane					
	8.593	8.591	0.002	387391	0	
A	14 C10-C28					
	9.410	5.119	- 13.701	138845995	835.3	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
A 15 Diesel					
9.376	5.154 - 13.598		137315910	787.4	
16 n-Octadecane					
9.444	9.443	0.001	57007	0	
A 17 C10-C32					
9.959	5.154 - 14.764		153320249	879.2	
18 icosane					
10.214	10.218	-0.004	264851	0	
19 n-Docosane					
11.016	11.022	-0.006	198431	0	
A 20 C12-C24					
9.309	6.554 - 12.063		109405554	627.4	
21 n-Tetracosane					
12.064	12.063	0.001	181118	0	
A 22 C20-C34					M
12.848	10.218 - 15.478		86931032	498.5	M
23 n-Hexacosane					
12.904	12.906	-0.002	6267	0	
24 n-Octacosane					
13.598	13.598	0.000	13977	0	
25 Triacontane					
14.187	14.198	-0.011	1389	0	
26 Dotriacontane					
14.754	14.764	-0.010	6666	0	
27 Tetratriacontane					
15.460	15.478	-0.018	1571	0	
A 28 C24-C40					
15.975	12.063 - 19.886		58111913	333.2	
29 n-Hexatriacontane					
16.439	16.460	-0.021	2238	0	
30 C38					
17.899	17.863	0.036	635	0	
31 C40					1
19.886					
A 32 C20-C36					
13.339	10.218 - 16.460		77272812	443.1	
A 33 C24-C44					
19.566	12.063 - 27.069		66922170	383.8	
A 34 C10-C24					
8.609	5.154 - 12.063		113603380	651.4	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

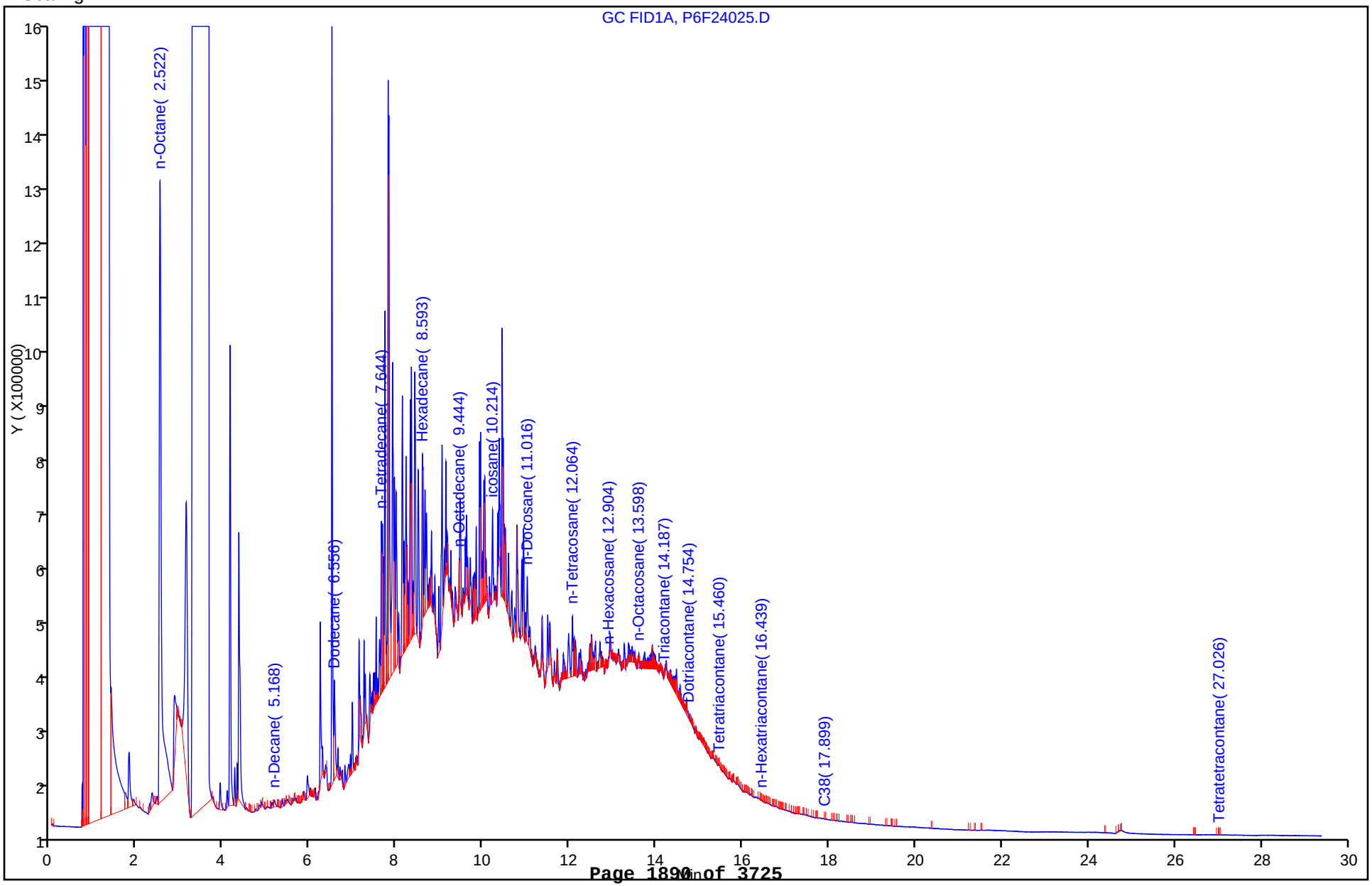
Report Date: 26-Dec-2012 09:44:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24025.D

Injection Date:	25-Dec-2012 04:13:06	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	25
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Report Date: 26-Dec-2012 09:44:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

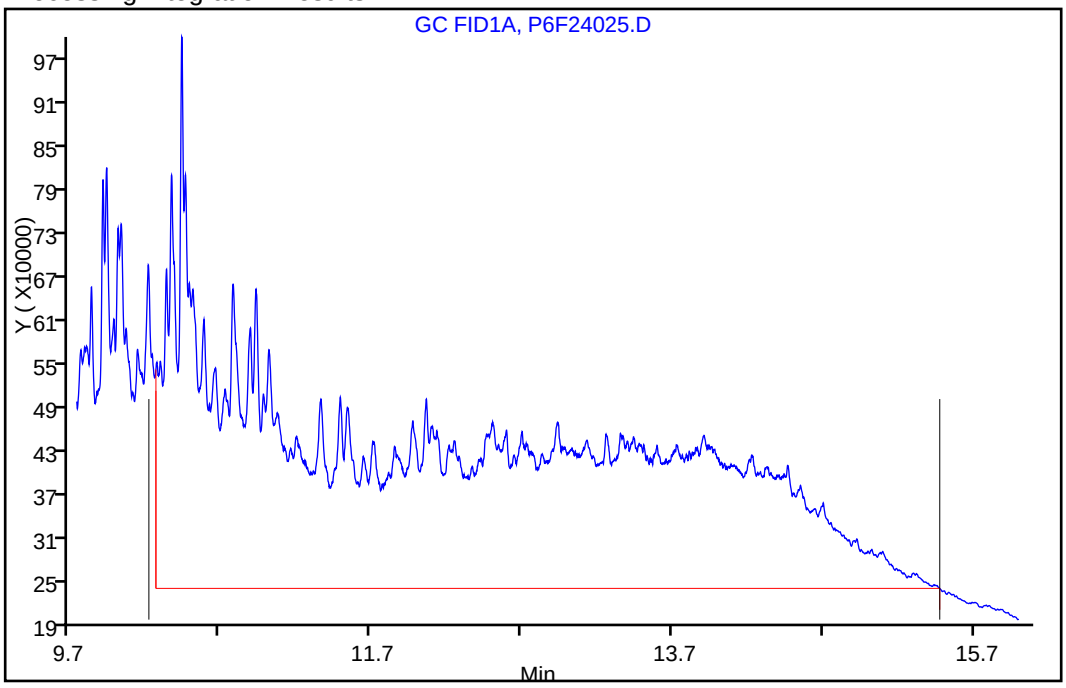
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP6F\20121224-16152.b\P6F24025.D		
Injection Date:	25-Dec-2012 04:13:06	Limit Group:	GC 8015C TPH ICAL
Client ID:		Instrument ID:	A2HP6F
Lims Batch ID:	70006	Lims Sample ID:	25
Operator ID:	4275	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 22 C20-C34, Signal: 1, Type: quant, RT: 12.85

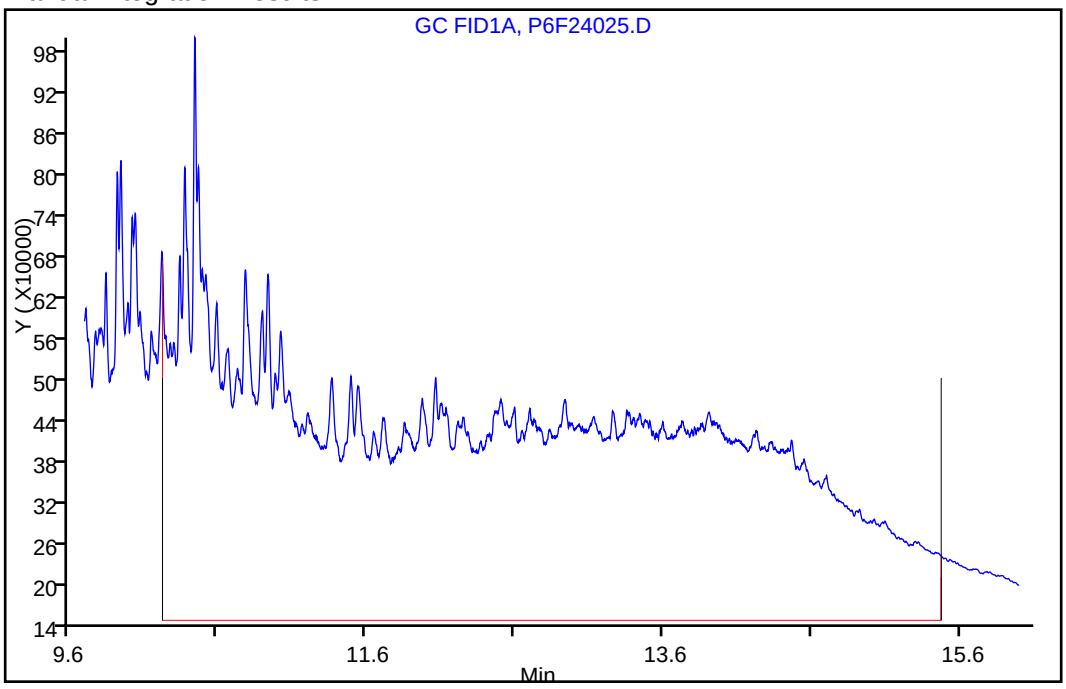
Processing Integration Results

RT: 12.87
Response: 56259097
Amount: 322.6092



Manual Integration Results

RT: 12.85
Response: 86931032
Amount: 498.4927



Reviewer: bolgrind, 26-Dec-2012 09:36:36
Audit Action: Manually Integrated
Audit Reason: Baseline Event

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP5F Start Date: 09/24/2012 14:20

Analysis Batch Number: 58815 End Date: 09/25/2012 01:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-58815/4 IC		09/24/2012 14:20	1	P5F92404.D	
STD2 240-58815/5 IC		09/24/2012 14:50	1	P5F92405.D	
STD3 240-58815/6 ICRT		09/24/2012 15:19	1	P5F92406.D	
STD4 240-58815/7 IC		09/24/2012 15:49	1	P5F92407.D	
STD5 240-58815/8 IC		09/24/2012 16:19	1	P5F92408.D	
ICV 240-58815/9		09/24/2012 16:49	1	P5F92409.D	
STD1 240-58815/10 IC		09/24/2012 17:19	1		
STD2 240-58815/11 IC		09/24/2012 17:49	1		
STD3 240-58815/12 ICRT		09/24/2012 18:19	1		
STD4 240-58815/13 IC		09/24/2012 18:48	1		
STD5 240-58815/14 IC		09/24/2012 19:19	1		
ICV 240-58815/15		09/24/2012 19:49	1		
CCV 240-58815/16		09/24/2012 20:19	1		
ZZZZZ		09/24/2012 20:49	1		
ZZZZZ		09/24/2012 21:20	1		
ZZZZZ		09/24/2012 21:50	1		
ZZZZZ		09/24/2012 22:20	1		
ZZZZZ		09/24/2012 22:50	1		
ZZZZZ		09/24/2012 23:20	1		
ZZZZZ		09/24/2012 23:51	1		
ZZZZZ		09/25/2012 00:21	1		
ZZZZZ		09/25/2012 00:51	1		
CCV 240-58815/26		09/25/2012 01:21	1		

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP5F Start Date: 12/20/2012 16:30

Analysis Batch Number: 69606 End Date: 12/21/2012 14:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MRL 240-69606/4		12/20/2012 16:30	1	P5F10004.D	
CCV 240-69606/5 CCVRT		12/20/2012 17:00	1	P5F10005.D	
CCV 240-69606/7		12/20/2012 18:01	1		
ZZZZZ		12/20/2012 18:32	1		
ZZZZZ		12/20/2012 19:02	1		
ZZZZZ		12/20/2012 19:33	1		
ZZZZZ		12/20/2012 20:03	1		
ZZZZZ		12/20/2012 20:34	1		
ZZZZZ		12/20/2012 21:05	1		
ZZZZZ		12/20/2012 21:35	1		
ZZZZZ		12/20/2012 22:06	1		
ZZZZZ		12/20/2012 22:36	1		
CCV 240-69606/18		12/20/2012 23:36	1		
ZZZZZ		12/21/2012 00:06	1		
ZZZZZ		12/21/2012 00:36	1		
ZZZZZ		12/21/2012 01:06	1		
ZZZZZ		12/21/2012 01:36	1		
CCV 240-69606/23		12/21/2012 02:06	1	P5F10023.D	
MB 240-69404/17-A		12/21/2012 02:36	1	P5F10024.D	
LCS 240-69404/18-A		12/21/2012 03:06	1	P5F10025.D	
ZZZZZ		12/21/2012 03:36	10		
ZZZZZ		12/21/2012 04:06	10		
ZZZZZ		12/21/2012 04:36	10		
240-18581-7	072SB-0056-0001-SO	12/21/2012 05:06	1	P5F10029.D	
240-18581-8	072SB-0057-0001-SO	12/21/2012 05:36	1	P5F10030.D	
240-18581-9	072SB-0058-0001-SO	12/21/2012 06:07	1	P5F10031.D	
240-18581-10	072SB-0059-0001-SO	12/21/2012 06:36	1	P5F10032.D	
240-18581-11	072SB-0060-0001-SO	12/21/2012 07:07	1	P5F10033.D	
CCV 240-69606/34		12/21/2012 07:36	1	P5F10034.D	
240-18581-13	072SB-0070-0001-SO	12/21/2012 08:06	1	P5F10035.D	
240-18581-14	072SB-0071-0001-SO	12/21/2012 08:36	1	P5F10036.D	
240-18581-15	072SB-0072-0001-SO	12/21/2012 09:06	1	P5F10037.D	
CCV 240-69606/41		12/21/2012 11:07	1	P5F10041.D	
240-18581-16	072SB-0073-0001-SO	12/21/2012 11:40	1	P5F10042.D	
CCV 240-69606/46		12/21/2012 13:41	1	P5F10046.D	
MRL 240-69606/47		12/21/2012 14:11	1	P5F10047.D	

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP5F Start Date: 12/24/2012 13:45

Analysis Batch Number: 70013 End Date: 12/25/2012 03:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MRL 240-70013/4		12/24/2012 13:45	1	P5F10004.D	
CCV 240-70013/5 CCVRT		12/24/2012 14:15	1	P5F10005.D	
240-18581-1	070SB-0042M-0001-SO	12/24/2012 14:46	10	P5F10006.D	
240-18581-1 MS	070SB-0042M-0001-SO MS	12/24/2012 15:16	10	P5F10007.D	
240-18581-1 MSD	070SB-0042M-0001-SO MSD	12/24/2012 15:46	1	P5F10008.D	
CCV 240-70013/12		12/24/2012 17:45	1	P5F10012.D	
ZZZZZ		12/24/2012 18:15	1		
ZZZZZ		12/24/2012 18:45	1		
ZZZZZ		12/24/2012 21:15	1		
ZZZZZ		12/24/2012 21:46	1		
ZZZZZ		12/24/2012 22:16	1		
ZZZZZ		12/24/2012 22:45	1		
CCV 240-70013/23		12/24/2012 23:15	1		
ZZZZZ		12/24/2012 23:45	1		
ZZZZZ		12/25/2012 00:15	1		
ZZZZZ		12/25/2012 00:45	1		
ZZZZZ		12/25/2012 01:15	1		
ZZZZZ		12/25/2012 01:45	1		
CCV 240-70013/30		12/25/2012 02:44	1		
MRL 240-70013/31		12/25/2012 03:14	1	P5F10031.D	

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP6F Start Date: 12/11/2012 16:08

Analysis Batch Number: 68137 End Date: 12/12/2012 05:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-68137/4 IC		12/11/2012 16:08	1	P6F11004.D	RTX-5 0.53(mm)
STD2 240-68137/5 IC		12/11/2012 16:39	1	P6F11005.D	RTX-5 0.53(mm)
STD3 240-68137/6 ICRT		12/11/2012 17:09	1	P6F11006.D	RTX-5 0.53(mm)
STD4 240-68137/7 IC		12/11/2012 17:40	1	P6F11007.D	RTX-5 0.53(mm)
STD5 240-68137/8 IC		12/11/2012 18:11	1	P6F11008.D	RTX-5 0.53(mm)
ICV 240-68137/9		12/11/2012 18:42	1	P6F11009.D	RTX-5 0.53(mm)
ZZZZZ		12/11/2012 19:12	1		RTX-5 0.53(mm)
ZZZZZ		12/11/2012 19:43	1		RTX-5 0.53(mm)
CCV 240-68137/20		12/12/2012 00:18	1		RTX-5 0.53(mm)
ZZZZZ		12/12/2012 01:19	1		RTX-5 0.53(mm)
ZZZZZ		12/12/2012 01:49	1		RTX-5 0.53(mm)
ZZZZZ		12/12/2012 02:19	1		RTX-5 0.53(mm)
ZZZZZ		12/12/2012 02:50	1		RTX-5 0.53(mm)
ZZZZZ		12/12/2012 03:20	1		RTX-5 0.53(mm)
ZZZZZ		12/12/2012 03:51	1		RTX-5 0.53(mm)
ZZZZZ		12/12/2012 04:21	1		RTX-5 0.53(mm)
CCV 240-68137/31		12/12/2012 05:53	1		RTX-5 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP6F Start Date: 12/24/2012 14:37

Analysis Batch Number: 70006 End Date: 12/25/2012 06:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/24/2012 14:37	1		RTX-5 0.53(mm)
ZZZZZ		12/24/2012 15:15	1		RTX-5 0.53(mm)
CCV 240-70006/6 CCVRT		12/24/2012 15:54	1	P6F24006.D	RTX-5 0.53(mm)
ZZZZZ		12/24/2012 16:32	1		RTX-5 0.53(mm)
ZZZZZ		12/24/2012 17:11	1		RTX-5 0.53(mm)
ZZZZZ		12/24/2012 17:50	10		RTX-5 0.53(mm)
ZZZZZ		12/24/2012 18:29	1		RTX-5 0.53(mm)
ZZZZZ		12/24/2012 19:08	1		RTX-5 0.53(mm)
ZZZZZ		12/24/2012 19:47	1		RTX-5 0.53(mm)
ZZZZZ		12/24/2012 20:26	1		RTX-5 0.53(mm)
ZZZZZ		12/24/2012 21:05	1		RTX-5 0.53(mm)
ZZZZZ		12/24/2012 21:44	1		RTX-5 0.53(mm)
ZZZZZ		12/24/2012 22:23	1		RTX-5 0.53(mm)
CCV 240-70006/17		12/24/2012 23:02	1	P6F24017.D	RTX-5 0.53(mm)
ZZZZZ		12/24/2012 23:41	1		RTX-5 0.53(mm)
ZZZZZ		12/25/2012 00:20	1		RTX-5 0.53(mm)
MB 240-69794/6-A		12/25/2012 01:37	1	P6F24021.D	RTX-5 0.53(mm)
LCS 240-69794/7-A		12/25/2012 02:16	1	P6F24022.D	RTX-5 0.53(mm)
240-18581-2	070SB-043M-0001-SO	12/25/2012 02:55	5	P6F24023.D	RTX-5 0.53(mm)
240-18581-2 MS	070SB-043M-0001-SO MS	12/25/2012 03:34	5	P6F24024.D	RTX-5 0.53(mm)
240-18581-2 MSD	070SB-043M-0001-SO MSD	12/25/2012 04:13	5	P6F24025.D	RTX-5 0.53(mm)
ZZZZZ		12/25/2012 04:51	1		RTX-5 0.53(mm)
ZZZZZ		12/25/2012 05:30	1		RTX-5 0.53(mm)
CCV 240-70006/28		12/25/2012 06:09	1	P6F24028.D	RTX-5 0.53(mm)
ZZZZZ		12/25/2012 06:47	1		RTX-5 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69404 Batch Start Date: 12/19/12 15:35 Batch Analyst: Earle, Steve

Batch Method: 3540C Batch End Date: 12/20/12 07:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXDIESELSPKW 00021	EXTPHSURR 00016		
240-18581-M-1-A	070SB-0042M-0001-SO	3540C, 8015B_DRO/DOD	T	29.86 g	5 mL		1 mL		
240-18581-M-1-BMS	070SB-0042M-0001-SO	3540C, 8015B_DRO/DOD	T	30.39 g	5 mL	1 mL	1 mL		
240-18581-M-1-CMSD	070SB-0042M-0001-SO	3540C, 8015B_DRO/DOD	T	29.87 g	5 mL	1 mL	1 mL		
240-18581-H-7	072SB-0056-0001-SO	3540C, 8015B_DRO/DOD	T	29.75 g	5 mL		1 mL		
240-18581-H-8	072SB-0057-0001-SO	3540C, 8015B_DRO/DOD	T	29.90 g	5 mL		1 mL		
240-18581-H-9	072SB-0058-0001-SO	3540C, 8015B_DRO/DOD	T	29.63 g	5 mL		1 mL		
240-18581-H-10	072SB-0059-0001-SO	3540C, 8015B_DRO/DOD	T	30.15 g	5 mL		1 mL		
240-18581-H-11	072SB-0060-0001-SO	3540C, 8015B_DRO/DOD	T	29.61 g	5 mL		1 mL		
240-18581-H-13	072SB-0070-0001-SO	3540C, 8015B_DRO/DOD	T	30.01 g	5 mL		1 mL		
240-18581-H-14	072SB-0071-0001-SO	3540C, 8015B_DRO/DOD	T	29.69 g	5 mL		1 mL		
240-18581-H-15	072SB-0072-0001-SO	3540C, 8015B_DRO/DOD	T	30.34 g	5 mL		1 mL		
240-18581-H-16	072SB-0073-0001-SO	3540C, 8015B_DRO/DOD	T	30.21 g	5 mL		1 mL		
MB 240-69404/17		3540C, 8015B_DRO/DOD		30.00 g	5 mL		1 mL		
LCS 240-69404/18		3540C, 8015B_DRO/DOD		30.00 g	5 mL	1 mL	1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69404 Batch Start Date: 12/19/12 15:35 Batch Analyst: Earle, Steve

Batch Method: 3540C Batch End Date: 12/20/12 07:35

Batch Notes	
Balance ID	b036
Na2SO4 Lot Number	677233
Prep Solvent Lot #	785981

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69794 Batch Start Date: 12/21/12 13:35 Batch Analyst: Cerne, Amanda

Batch Method: 3540C Batch End Date: 12/22/12 07:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXDIESELSPKW 00022	EXTPHSURR 00016		
240-18581-H-2-A	070SB-043M-0001-SO	3540C, 8015B_DRO/DOD	T	30.11 g	5 mL		1 mL		
240-18581-H-2-AMS	070SB-043M-0001-SO	3540C, 8015B_DRO/DOD	T	29.94 g	5 mL	1 mL	1 mL		
240-18581-H-2-AMSD	070SB-043M-0001-SO	3540C, 8015B_DRO/DOD	T	29.77 g	5 mL	1 mL	1 mL		
MB 240-69794/6		3540C, 8015B_DRO/DOD		30.00 g	5 mL		1 mL		
LCS 240-69794/7		3540C, 8015B_DRO/DOD		30.00 g	5 mL	1 mL	1 mL		

Batch Notes	
Balance ID	b036
Person's name who did the concentration	se/lh/bm
Na2SO4 Lot Number	677232
Prep Solvent Lot #	785981

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8081 DOD

Organochlorine Pesticides (GC) by Method 8081A/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCB1	#	DCB2	#
070SB-0042M-0001-SO	240-18581-1	167	Q	342	Q	80	M	105	
070SB-044M-0001-SO	240-18581-3	110		110		92		94	
070SB-046M-0001-SO	240-18581-5	1	Q	2	Q	2	Q	2	Q
	MB 240-69426/6-A	103		107		104		88	
	LCS 240-69426/7-A	82		88		83		85	
070SB-0042M-0001-SO MS	240-18581-1 MS	137	Q	301	Q	74		153	Q
070SB-0042M-0001-SO MSD	240-18581-1 MSD	177	Q	347	Q	92	M	93	

	QC LIMITS
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Column to be used to flag recovery values

FORM II 8081/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P9122220.D

Lab ID: LCS 240-69426/7-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	33.3	28.6	86	30-135	
4,4'-DDE	33.3	28.0	84	70-125	
4,4'-DDT	33.3	28.4	85	45-140	
Aldrin	33.3	27.8	83	45-140	
alpha-BHC	33.3	28.7	86	60-125	
alpha-Chlordane	33.3	26.8	80	65-120	
beta-BHC	33.3	26.2	78	60-125	
delta-BHC	33.3	29.2	88	55-130	
Dieldrin	33.3	29.5	89	65-125	
Endosulfan I	33.3	26.2	79	15-135	
Endosulfan II	33.3	25.0	75	35-140	
Endosulfan sulfate	33.3	28.9	87	60-135	
Endrin	33.3	26.4	79	60-135	
Endrin aldehyde	33.3	30.1	90	35-145	
Endrin ketone	33.3	23.8	71	65-135	
gamma-BHC (Lindane)	33.3	26.1	78	60-125	
gamma-Chlordane	33.3	27.3	82	65-125	
Heptachlor	33.3	25.9	78	50-140	
Heptachlor epoxide	33.3	30.3	91	65-130	
Methoxychlor	33.3	27.8	83	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P9122219.D

Lab ID: MRL 240-69893/19 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00509	102	70-130	M
4,4'-DDD	0.00500	0.00529	106	70-130	
4,4'-DDE	0.00500	0.00499 J	100	70-130	
4,4'-DDE	0.00500	0.00508	102	70-130	
4,4'-DDT	0.00500	0.00491 J	98	70-130	
4,4'-DDT	0.00500	0.00493 J	99	70-130	
Aldrin	0.00500	0.00510	102	70-130	
Aldrin	0.00500	0.00498 J	100	70-130	
alpha-BHC	0.00500	0.00481 J	96	70-130	
alpha-BHC	0.00500	0.00456 J	91	70-130	
alpha-Chlordane	0.00500	0.00516	103	70-130	
alpha-Chlordane	0.00500	0.00533	107	70-130	
beta-BHC	0.00500	0.00527	105	70-130	
beta-BHC	0.00500	0.00553	111	70-130	
delta-BHC	0.00500	0.00464 J	93	70-130	
delta-BHC	0.00500	0.00473 J	95	70-130	
Dieldrin	0.00500	0.00522	104	70-130	
Dieldrin	0.00500	0.00545	109	70-130	
Endosulfan I	0.00500	0.00554	111	70-130	
Endosulfan I	0.00500	0.00581	116	70-130	
Endosulfan II	0.00500	0.00550	110	70-130	M
Endosulfan II	0.00500	0.00529	106	70-130	
Endosulfan sulfate	0.00500	0.00532	106	70-130	
Endosulfan sulfate	0.00500	0.00534	107	70-130	
Endrin	0.00500	0.00548	110	70-130	
Endrin	0.00500	0.00556	111	70-130	
Endrin aldehyde	0.00500	0.00555	111	70-130	
Endrin aldehyde	0.00500	0.00580	116	70-130	
Endrin ketone	0.00500	0.00548	110	70-130	
Endrin ketone	0.00500	0.00556	111	70-130	
gamma-BHC (Lindane)	0.00500	0.00505	101	70-130	
gamma-BHC (Lindane)	0.00500	0.00498 J	100	70-130	
gamma-Chlordane	0.00500	0.00514	103	70-130	
gamma-Chlordane	0.00500	0.00528	106	70-130	
Heptachlor	0.00500	0.00561	112	70-130	
Heptachlor	0.00500	0.00597	119	70-130	
Heptachlor epoxide	0.00500	0.00544	109	70-130	
Heptachlor epoxide	0.00500	0.00557	111	70-130	
Methoxychlor	0.00500	0.00507 J	101	70-130	
Methoxychlor	0.00500	0.00559 J	112	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P9122243.D

Lab ID: MRL 240-69893/43 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00638	128	70-130	M
4,4'-DDD	0.00500	0.00632	126	70-130	
4,4'-DDE	0.00500	0.00624	125	70-130	
4,4'-DDE	0.00500	0.00634	127	70-130	
4,4'-DDT	0.00500	0.00586	117	70-130	
4,4'-DDT	0.00500	0.00624	125	70-130	
Aldrin	0.00500	0.00651	130	70-130	
Aldrin	0.00500	0.00661	132	70-130	^
alpha-BHC	0.00500	0.00636	127	70-130	
alpha-BHC	0.00500	0.00600	120	70-130	
alpha-Chlordane	0.00500	0.00672	134	70-130	^
alpha-Chlordane	0.00500	0.00687	137	70-130	^
beta-BHC	0.00500	0.00711	142	70-130	^
beta-BHC	0.00500	0.00724	145	70-130	^
delta-BHC	0.00500	0.00641	128	70-130	
delta-BHC	0.00500	0.00642	128	70-130	
Dieldrin	0.00500	0.00635	127	70-130	
Dieldrin	0.00500	0.00657	131	70-130	^
Endosulfan I	0.00500	0.00665	133	70-130	^
Endosulfan I	0.00500	0.00690	138	70-130	^
Endosulfan II	0.00500	0.00643	129	70-130	M
Endosulfan II	0.00500	0.00632	126	70-130	
Endosulfan sulfate	0.00500	0.00662	132	70-130	^
Endosulfan sulfate	0.00500	0.00658	132	70-130	^
Endrin	0.00500	0.00625	125	70-130	
Endrin	0.00500	0.00630	126	70-130	
Endrin aldehyde	0.00500	0.00619	124	70-130	
Endrin aldehyde	0.00500	0.00634	127	70-130	
Endrin ketone	0.00500	0.00632	126	70-130	
Endrin ketone	0.00500	0.00631	126	70-130	
gamma-BHC (Lindane)	0.00500	0.00668	134	70-130	^
gamma-BHC (Lindane)	0.00500	0.00657	131	70-130	^
gamma-Chlordane	0.00500	0.00671	134	70-130	^
gamma-Chlordane	0.00500	0.00674	135	70-130	^
Heptachlor	0.00500	0.00611	122	70-130	
Heptachlor	0.00500	0.00654	131	70-130	^
Heptachlor epoxide	0.00500	0.00683	137	70-130	^
Heptachlor epoxide	0.00500	0.00695	139	70-130	^
Methoxychlor	0.00500	0.00639 J	128	70-130	
Methoxychlor	0.00500	0.00669 J	134	70-130	^

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P9010314.D

Lab ID: MRL 240-71028/14 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00516	103	70-130	
4,4'-DDD	0.00500	0.00562	112	70-130	
4,4'-DDE	0.00500	0.00539	108	70-130	
4,4'-DDE	0.00500	0.00723	145	70-130	^
4,4'-DDT	0.00500	0.00476 J	95	70-130	
4,4'-DDT	0.00500	0.00508	102	70-130	
Aldrin	0.00500	0.00553	111	70-130	
Aldrin	0.00500	0.00550	110	70-130	
alpha-BHC	0.00500	0.00528	106	70-130	
alpha-BHC	0.00500	0.00488 J	98	70-130	
alpha-Chlordane	0.00500	0.00559	112	70-130	
alpha-Chlordane	0.00500	0.00568	114	70-130	
beta-BHC	0.00500	0.00568	114	70-130	
beta-BHC	0.00500	0.00600	120	70-130	
delta-BHC	0.00500	0.00504	101	70-130	
delta-BHC	0.00500	0.00496 J	99	70-130	
Dieldrin	0.00500	0.00545	109	70-130	
Dieldrin	0.00500	0.00593	119	70-130	
Endosulfan I	0.00500	0.00580	116	70-130	
Endosulfan I	0.00500	0.00610	122	70-130	
Endosulfan II	0.00500	0.00600	120	70-130	
Endosulfan II	0.00500	0.00562	112	70-130	
Endosulfan sulfate	0.00500	0.00566	113	70-130	
Endosulfan sulfate	0.00500	0.00547	109	70-130	
Endrin	0.00500	0.00568	114	70-130	
Endrin	0.00500	0.00579	116	70-130	
Endrin aldehyde	0.00500	0.00584	117	70-130	
Endrin aldehyde	0.00500	0.00592	118	70-130	
Endrin ketone	0.00500	0.00586	117	70-130	
Endrin ketone	0.00500	0.00568	114	70-130	
gamma-BHC (Lindane)	0.00500	0.00538	108	70-130	
gamma-BHC (Lindane)	0.00500	0.00528	106	70-130	
gamma-Chlordane	0.00500	0.00549	110	70-130	
gamma-Chlordane	0.00500	0.00557	111	70-130	
Heptachlor	0.00500	0.00575	115	70-130	
Heptachlor	0.00500	0.00608	122	70-130	
Heptachlor epoxide	0.00500	0.00573	115	70-130	
Heptachlor epoxide	0.00500	0.00589	118	70-130	
Methoxychlor	0.00500	0.00519 J	104	70-130	
Methoxychlor	0.00500	0.00550 J	110	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P9010347.D

Lab ID: MRL 240-71028/46 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00548	110	70-130	
4,4'-DDD	0.00500	0.00544	109	70-130	
4,4'-DDE	0.00500	0.00544	109	70-130	
4,4'-DDE	0.00500	0.00563	113	70-130	
4,4'-DDT	0.00500	0.00499 J	100	70-130	
4,4'-DDT	0.00500	0.00492 J	98	70-130	
Aldrin	0.00500	0.00556	111	70-130	
Aldrin	0.00500	0.00549	110	70-130	
alpha-BHC	0.00500	0.00527	105	70-130	
alpha-BHC	0.00500	0.00485 J	97	70-130	
alpha-Chlordane	0.00500	0.00568	114	70-130	
alpha-Chlordane	0.00500	0.00577	115	70-130	
beta-BHC	0.00500	0.00580	116	70-130	
beta-BHC	0.00500	0.00610	122	70-130	
delta-BHC	0.00500	0.00490 J	98	70-130	
delta-BHC	0.00500	0.00497 J	99	70-130	
Dieldrin	0.00500	0.00556	111	70-130	
Dieldrin	0.00500	0.00571	114	70-130	
Endosulfan I	0.00500	0.00584	117	70-130	
Endosulfan I	0.00500	0.00610	122	70-130	
Endosulfan II	0.00500	0.00597	119	70-130	
Endosulfan II	0.00500	0.00544	109	70-130	
Endosulfan sulfate	0.00500	0.00546	109	70-130	
Endosulfan sulfate	0.00500	0.00514	103	70-130	
Endrin	0.00500	0.00593	119	70-130	
Endrin	0.00500	0.00571	114	70-130	
Endrin aldehyde	0.00500	0.00582	116	70-130	
Endrin aldehyde	0.00500	0.00557	111	70-130	
Endrin ketone	0.00500	0.00569	114	70-130	
Endrin ketone	0.00500	0.00524	105	70-130	
gamma-BHC (Lindane)	0.00500	0.00530	106	70-130	
gamma-BHC (Lindane)	0.00500	0.00522	104	70-130	
gamma-Chlordane	0.00500	0.00546	109	70-130	
gamma-Chlordane	0.00500	0.00557	111	70-130	
Heptachlor	0.00500	0.00572	114	70-130	
Heptachlor	0.00500	0.00605	121	70-130	
Heptachlor epoxide	0.00500	0.00590	118	70-130	
Heptachlor epoxide	0.00500	0.00601	120	70-130	
Methoxychlor	0.00500	0.00520 J	104	70-130	
Methoxychlor	0.00500	0.00512 J	102	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P9122222.D

Lab ID: 240-18581-1 MS Client ID: 070SB-0042M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
4,4'-DDD	33.4	33 U	34 U	0	30-135	J
4,4'-DDE	33.4	33 U	29.5 J	88	70-125	D
4,4'-DDT	33.4	33 U	34 U	0	45-140	J
Aldrin	33.4	66 U	67 U	NC	45-140	
alpha-BHC	33.4	66 U	67 U	NC	60-125	
alpha-Chlordane	33.4	66 U	67 U	NC	65-120	
beta-BHC	33.4	66 U	67 U	NC	60-125	
delta-BHC	33.4	66 U	67 U	NC	55-130	
Dieldrin	33.4	33 U	26.8 J	80	65-125	D
Endosulfan I	33.4	33 U	29.6 J	89	15-135	D
Endosulfan II	33.4	66 U	67 U	NC	35-140	
Endosulfan sulfate	33.4	66 U	67 U	NC	60-135	
Endrin	33.4	33 U	26.8 J	80	60-135	D
Endrin aldehyde	33.4	66 U	67 U	NC	35-145	
Endrin ketone	33.4	33 U	34 U	0	65-135	J
gamma-BHC (Lindane)	33.4	66 U	67 U	NC	60-125	
gamma-Chlordane	33.4	33 U	27.4 J	82	65-125	D
Heptachlor	33.4	66 U	67 U	NC	50-140	
Heptachlor epoxide	33.4	66 U	67 U	NC	65-130	
Methoxychlor	33.4	160 U	170 U	NC	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P9122223.D

Lab ID: 240-18581-1 MSD Client ID: 070SB-0042M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	33.2	33 U	0	NC	30	30-135	M J
4,4'-DDE	33.2	33.9 J	102	14	30	70-125	D
4,4'-DDT	33.2	33 U	0	NC	30	45-140	J
Aldrin	33.2	66 U	NC	NC	30	45-140	
alpha-BHC	33.2	66 U	NC	NC	30	60-125	
alpha-Chlordane	33.2	66 U	NC	NC	30	65-120	
beta-BHC	33.2	66 U	NC	NC	30	60-125	
delta-BHC	33.2	66 U	NC	NC	30	55-130	
Dieldrin	33.2	33.3 J	101	22	30	65-125	D
Endosulfan I	33.2	35.5 J	107	18	30	15-135	D
Endosulfan II	33.2	66 U	NC	NC	30	35-140	M
Endosulfan sulfate	33.2	66 U	NC	NC	30	60-135	
Endrin	33.2	30.6 J	92	13	30	60-135	D
Endrin aldehyde	33.2	66 U	NC	NC	30	35-145	
Endrin ketone	33.2	31.4 J	95	200	30	65-135	D J
gamma-BHC (Lindane)	33.2	66 U	NC	NC	30	60-125	
gamma-Chlordane	33.2	33.6 J	101	20	30	65-125	D
Heptachlor	33.2	66 U	NC	NC	30	50-140	
Heptachlor epoxide	33.2	66 U	NC	NC	30	65-130	J
Methoxychlor	33.2	160 U	NC	NC	30	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: MB 240-69426/6-A

Matrix: Solid Date Extracted: 12/19/2012 12:53

Lab File ID:(1) P9122229.D Lab File ID:(2) P9122229.D

Date Analyzed:(1) 12/22/2012 22:56 Date Analyzed:(2) 12/22/2012 22:56

Instrument ID:(1) A2HP9 Instrument ID:(2) A2HP9

GC Column:(1) CLP-1 ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-69426/7-A	12/22/2012 19:15	12/22/2012 19:15
070SB-0042M-0001-SO	240-18581-1	12/22/2012 19:40	12/22/2012 19:40
070SB-0042M-0001-SO MS	240-18581-1 MS	12/22/2012 20:04	12/22/2012 20:04
070SB-0042M-0001-SO MSD	240-18581-1 MSD	12/22/2012 20:28	12/22/2012 20:28
070SB-044M-0001-SO	240-18581-3	01/04/2013 08:21	01/04/2013 08:21
070SB-046M-0001-SO	240-18581-5	01/04/2013 08:48	01/04/2013 08:48

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: STD 240-69893/7 Date Analyzed: 12/22/2012 14:00

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P9122207.D Heated Purge: (Y/N) N

Calibration ID: 13014

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				3.50	12.80	
UPPER LIMIT				3.53	12.83	
LOWER LIMIT				3.47	12.77	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD 240-69893/7 ICRT		12/22/2012 14:00	P9122207.D	3.50	12.80	
LCS 240-69426/7-A		12/22/2012 19:15	P9122220.D	3.50	12.80	
240-18581-1	070SB-0042M-0001-SO	12/22/2012 19:40	P9122221.D	3.50	12.80	
240-18581-1 MS	070SB-0042M-0001-SO MS	12/22/2012 20:04	P9122222.D	3.50	12.80	
240-18581-1 MSD	070SB-0042M-0001-SO MSD	12/22/2012 20:28	P9122223.D	3.50	12.80	
MB 240-69426/6-A		12/22/2012 22:56	P9122229.D	3.50	12.80	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: STD 240-69893/7 Date Analyzed: 12/22/2012 14:00

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P9122207.D Heated Purge: (Y/N) N

Calibration ID: 13015

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				4.09	14.25	
UPPER LIMIT				4.12	14.28	
LOWER LIMIT				4.06	14.22	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD 240-69893/7 ICRT		12/22/2012 14:00	P9122207.D	4.09	14.25	
LCS 240-69426/7-A		12/22/2012 19:15	P9122220.D	4.09	14.25	
240-18581-1	070SB-0042M-0001-SO	12/22/2012 19:40	P9122221.D	4.09	14.24	
240-18581-1 MS	070SB-0042M-0001-SO MS	12/22/2012 20:04	P9122222.D	4.09	14.25	
240-18581-1 MSD	070SB-0042M-0001-SO MSD	12/22/2012 20:28	P9122223.D	4.09	14.24	
MB 240-69426/6-A		12/22/2012 22:56	P9122229.D	4.09	14.25	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-71028/5 Date Analyzed: 01/03/2013 16:46

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P9010305.D Heated Purge: (Y/N) N

Calibration ID: 13014

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.50	12.80	
UPPER LIMIT				3.53	12.83	
LOWER LIMIT				3.47	12.77	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-71028/5 CCVRT		01/03/2013 16:46	P9010305.D	3.50	12.80	
PEM 240-71028/29		01/04/2013 02:51	P9010329.D	3.50		
CCV 240-71028/41		01/04/2013 07:54	P9010341.D	3.50	12.80	
240-18581-3	070SB-044M-0001-SO	01/04/2013 08:21	P9010342.D	3.50	12.80	
240-18581-5	070SB-046M-0001-SO	01/04/2013 08:48	P9010343.D	3.50	12.80	
CCV 240-71028/45		01/04/2013 10:11	P9010346.D	3.50	12.80	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-71028/5 Date Analyzed: 01/03/2013 16:46

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P9010305.D Heated Purge: (Y/N) N

Calibration ID: 13015

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.09	14.24	
UPPER LIMIT				4.12	14.27	
LOWER LIMIT				4.06	14.21	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-71028/5 CCVRT		01/03/2013 16:46	P9010305.D	4.09	14.24	
PEM 240-71028/29		01/04/2013 02:51	P9010329.D	4.09		
CCV 240-71028/41		01/04/2013 07:54	P9010341.D	4.08	14.24	
240-18581-3	070SB-044M-0001-SO	01/04/2013 08:21	P9010342.D	4.08	14.24	
240-18581-5	070SB-046M-0001-SO	01/04/2013 08:48	P9010343.D	4.08	14.24	
CCV 240-71028/45		01/04/2013 10:11	P9010346.D	4.08	14.24	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MS Lab Sample ID: 240-18581-1 MS

Instrument ID (1): A2HP9 Instrument ID (2): A2HP9

Date Analyzed (1): 12/22/2012 20:04 Date Analyzed (2): 12/22/2012 20:04

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-Chlordane	1		7.16	7.14	7.20	27.4		1.6
	2		8.92	8.89	8.95	27.8		
Endosulfan I	1		7.80	7.76	7.82	29.6		9.1
	2		9.29	9.26	9.32	32.4		
4,4'-DDE	1		7.90	7.87	7.93	29.5		5.9
	2		9.69	9.66	9.72	31.3		
Dieldrin	1		8.36	8.33	8.39	26.8		8.3
	2		9.83	9.80	9.86	29.2		
Endrin	1		8.82	8.79	8.85	26.8		14.4
	2		10.35	10.32	10.38	30.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MSD Lab Sample ID: 240-18581-1 MSD

Instrument ID (1): A2HP9 Instrument ID (2): A2HP9

Date Analyzed (1): 12/22/2012 20:28 Date Analyzed (2): 12/22/2012 20:28

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-Chlordane	1		7.17	7.14	7.20	33.6		1.4
	2		8.92	8.89	8.95	33.1		
Endosulfan I	1		7.79	7.76	7.82	35.5		4.6
	2		9.29	9.26	9.32	37.2		
4,4'-DDE	1		7.90	7.87	7.93	33.9		8.5
	2		9.69	9.66	9.72	31.2		
Dieldrin	1		8.36	8.33	8.39	33.3		3.9
	2		9.83	9.80	9.86	34.7		
Endrin	1		8.82	8.79	8.85	30.6		10.0
	2		10.35	10.32	10.38	33.9		
Endrin ketone	1		11.19	11.16	11.22	31.4		4.4
	2		12.47	12.44	12.50	32.8		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-69426/7-A

Instrument ID (1): A2HP9 Instrument ID (2): A2HP9

Date Analyzed (1): 12/22/2012 19:15 Date Analyzed (2): 12/22/2012 19:15

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.18	4.15	4.21	28.7		5.4
	2		4.92	4.88	4.94	30.3		
gamma-BHC (Lindane)	1		4.56	4.53	4.59	26.1		3.4
	2		5.47	5.44	5.50	27.0		
beta-BHC	1		4.69	4.66	4.72	26.2		7.0
	2		5.65	5.61	5.67	28.1		
delta-BHC	1		4.90	4.87	4.93	29.2		9.6
	2		6.19	6.16	6.22	32.2		
Heptachlor	1		5.18	5.15	5.22	25.9		2.1
	2		6.29	6.25	6.32	25.4		
Aldrin	1		5.63	5.60	5.66	27.8		0.6
	2		7.01	6.98	7.04	28.0		
Heptachlor epoxide	1		6.86	6.83	6.89	30.3		0.4
	2		8.49	8.46	8.52	30.2		
gamma-Chlordane	1		7.17	7.14	7.20	27.3		0.5
	2		8.92	8.89	8.95	27.2		
alpha-Chlordane	1		7.52	7.49	7.55	26.8		10.3
	2		9.23	9.20	9.26	29.7		
Endosulfan I	1		7.79	7.76	7.82	26.2		0.8
	2		9.29	9.26	9.32	26.0		
4,4'-DDE	1		7.90	7.87	7.93	28.0		7.6
	2		9.69	9.66	9.72	30.3		
Dieldrin	1		8.36	8.33	8.39	29.5		2.2
	2		9.83	9.80	9.86	30.2		
Endrin	1		8.82	8.79	8.85	26.4		3.6
	2		10.35	10.32	10.38	27.4		
4,4'-DDD	1		9.18	9.16	9.22	28.6		7.2
	2		10.72	10.69	10.75	26.6		
Endosulfan II	1		9.27	9.24	9.30	25.0		6.0
	2		10.72	10.69	10.75	26.6		
4,4'-DDT	1		9.71	9.68	9.74	28.4		7.5
	2		11.21	11.18	11.24	30.6		
Endrin aldehyde	1		10.06	10.04	10.10	30.1		0.4
	2		11.30	11.27	11.33	30.0		
Methoxychlor	1		10.65	10.63	10.69	27.8		2.1
	2		12.29	12.26	12.32	28.4		
Endosulfan sulfate	1		10.79	10.76	10.82	28.9		7.9
	2		11.73	11.70	11.76	31.2		
Endrin ketone	1		11.19	11.16	11.22	23.8		11.0
	2		12.47	12.44	12.50	26.5		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO | Lab Sample ID: 240-18581-1

Matrix: Solid | Lab File ID: P9122221.D

Analysis Method: 8081/DOD | Date Collected: 12/07/2012 11:45

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:53

Sample wt/vol: 30.18(g) | Date Analyzed: 12/22/2012 19:40

Con. Extract Vol.: 10(mL) | Dilution Factor: 50

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	33	U J	99	33	31
72-55-9	4,4'-DDE	33	U	84	33	19
50-29-3	4,4'-DDT	33	U J	99	33	31
309-00-2	Aldrin	66	U	200	66	60
319-84-6	alpha-BHC	66	U	120	66	36
5103-71-9	alpha-Chlordane	66	U	150	66	47
319-85-7	beta-BHC	66	U	170	66	55
319-86-8	delta-BHC	66	U	200	66	60
60-57-1	Dieldrin	33	U	84	33	23
959-98-8	Endosulfan I	33	U	84	33	26
33213-65-9	Endosulfan II	66	U	120	66	41
1031-07-8	Endosulfan sulfate	66	U	150	66	43
72-20-8	Endrin	33	U	84	33	25
7421-93-4	Endrin aldehyde	66	U	150	66	50
53494-70-5	Endrin ketone	33	U J	99	33	31
58-89-9	gamma-BHC (Lindane)	66	U	120	66	37
5103-74-2	gamma-Chlordane	33	U	84	33	21
76-44-8	Heptachlor	66	U	170	66	55
1024-57-3	Heptachlor epoxide	66	U	120	66	40
72-43-5	Methoxychlor	160	U	250	160	75
8001-35-2	Toxaphene	990	U	3300	990	940

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80	M	55-130
877-09-8	Tetrachloro-m-xylene	167	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122221.D		
Lims ID:	240-18581-M-1-H	Client ID:	070SB-0042M-0001-SO
Inject. Date:	22-Dec-2012 19:40:00	Dil. Factor:	50.0000
Sample Type:	Client		
Sample ID:	240-0016122-021		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	69893	Lims Sample ID:	21
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m		
Last Update:	03-Jan-2013 07:24:17	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK036		
First Level Reviewer: vandorenc		Date:	03-Jan-2013 06:32:41

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.504	3.499	0.005	1813256	0.000667			
2	100	4.089	4.089	0.000	12019838	0.001370			
						RPD = 69.02			
24 Hexachlorobenzene									
1	100		3.968						
2	100		4.696						
12 Diallate									
1	100		4.059						
1	2		4.221						
2	100		4.659						
2	2		4.806						
5 alpha-BHC									
1	100		4.182						
2	100		4.913						
20 gamma-BHC (Lindane)									
1	100		4.557						
2	100		5.467						
7 beta-BHC									
1	100	4.679	4.689	-0.010	1620479	0.001194			
2	100	5.615	5.643	-0.028	4825350	0.001106			
						RPD = 7.67			
11 delta-BHC									
1	100		4.902						
2	100		6.192						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.070						
1	2		5.925						
1	3		7.168						
1	4		7.513						
2	100		5.996						
2	2		7.491						
2	3		8.918						
2	4		9.231						
22 Heptachlor									
1	100		5.183						
2	100		6.289						
4 Aldrin									
1	100		5.633						
2	100		7.005						
25 Isodrin									1
1	100		6.218						
2	100		8.001						
23 Heptachlor epoxide									
1	100		6.860						
2	100		8.492						
21 gamma-Chlordane									
1	100		7.166						
2	100		8.919						
6 alpha-Chlordane									
1	100		7.516						
2	100		9.232						
14 Endosulfan I									
1	100		7.794						
2	100		9.294						
2 4,4'-DDE									
1	100		7.899						
2	100		9.694						
13 Dieldrin									
1	100		8.361						
2	100		9.829						
17 Endrin									
1	100		8.818						
2	100		10.351						
26 Kepone									
1	100		8.915						
2	100		10.536						
1 4,4'-DDD									
1	100		9.185						
2	100		10.724						
15 Endosulfan II									
1	100		9.269						
2	100		10.724						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 Chlorobenzilate									
1	100		9.286						
2	100		10.541						
30 Toxaphene									
1	100		9.498						
1	2		9.949						
1	3		10.015						
1	4		10.599						
1	5		11.165						
2	100		10.886						
2	2		11.435						
2	3		11.836						
2	4		12.064						
2	5		12.451						
3 4,4'-DDT									
1	100		9.706						
2	100		11.209						
18 Endrin aldehyde									
1	100		10.065						
2	100		11.297						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.659						
2	100		12.288						
16 Endosulfan sulfate									
1	100		10.789						
2	100		11.730						
19 Endrin ketone									
1	100		11.188						
2	100		12.467						
$ 10 DCB Decachlorobiphenyl									
1	100	12.799	12.802	-0.003	818869	0.000321			7M
2	100	14.244	14.247	-0.003	2857975	0.000421			7
						RPD = 26.96			

LOD = 0.000500

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

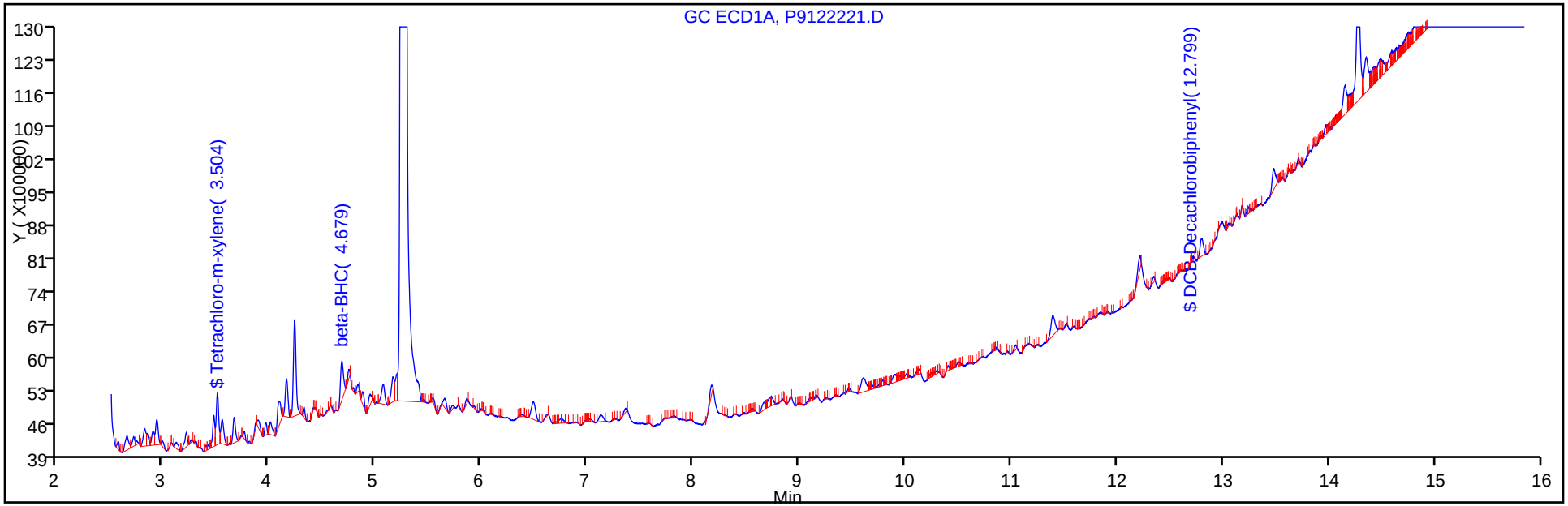
Report Date: 03-Jan-2013 07:24:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

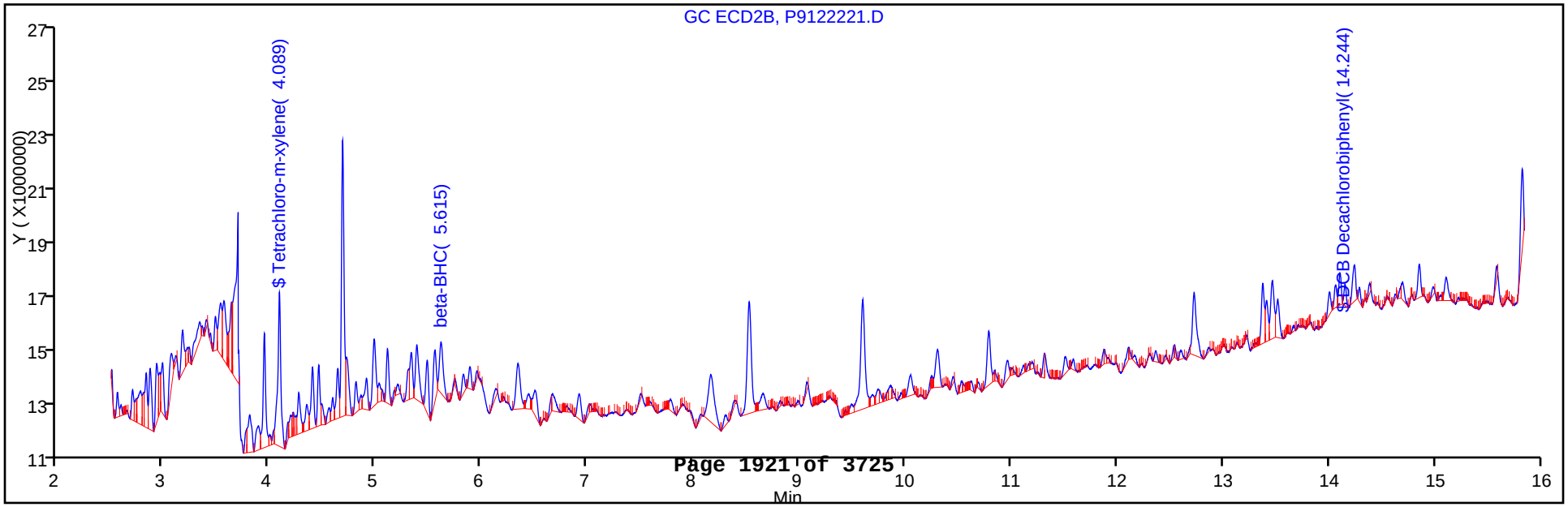
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122221.D

Injection Date:	22-Dec-2012 19:40:00	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	21
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO Lab Sample ID: 240-18581-1

Matrix: Solid Lab File ID: P9122221.D

Analysis Method: 8081/DOD Date Collected: 12/07/2012 11:45

Extraction Method: 3540C Date Extracted: 12/19/2012 12:53

Sample wt/vol: 30.18(g) Date Analyzed: 12/22/2012 19:40

Con. Extract Vol.: 10(mL) Dilution Factor: 50

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	105		55-130
877-09-8	Tetrachloro-m-xylene	342	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122221.D		
Lims ID:	240-18581-M-1-H	Client ID:	070SB-0042M-0001-SO
Inject. Date:	22-Dec-2012 19:40:00	Dil. Factor:	50.0000
Sample Type:	Client		
Sample ID:	240-0016122-021		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	69893	Lims Sample ID:	21
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m		
Last Update:	03-Jan-2013 07:24:17	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK036		
First Level Reviewer: vandorenc		Date:	03-Jan-2013 06:32:41

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.504	3.499	0.005	1813256	0.000667			
2	100	4.089	4.089	0.000	12019838	0.001370			
						RPD = 69.02			
24 Hexachlorobenzene									
1	100		3.968						
2	100		4.696						
12 Diallate									
1	100		4.059						
1	2		4.221						
2	100		4.659						
2	2		4.806						
5 alpha-BHC									
1	100		4.182						
2	100		4.913						
20 gamma-BHC (Lindane)									
1	100		4.557						
2	100		5.467						
7 beta-BHC									
1	100	4.679	4.689	-0.010	1620479	0.001194			
2	100	5.615	5.643	-0.028	4825350	0.001106			
						RPD = 7.67			
11 delta-BHC									
1	100		4.902						
2	100		6.192						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.070						
1	2		5.925						
1	3		7.168						
1	4		7.513						
2	100		5.996						
2	2		7.491						
2	3		8.918						
2	4		9.231						
22 Heptachlor									
1	100		5.183						
2	100		6.289						
4 Aldrin									
1	100		5.633						
2	100		7.005						
25 Isodrin									1
1	100		6.218						
2	100		8.001						
23 Heptachlor epoxide									
1	100		6.860						
2	100		8.492						
21 gamma-Chlordane									
1	100		7.166						
2	100		8.919						
6 alpha-Chlordane									
1	100		7.516						
2	100		9.232						
14 Endosulfan I									
1	100		7.794						
2	100		9.294						
2 4,4'-DDE									
1	100		7.899						
2	100		9.694						
13 Dieldrin									
1	100		8.361						
2	100		9.829						
17 Endrin									
1	100		8.818						
2	100		10.351						
26 Kepone									
1	100		8.915						
2	100		10.536						
1 4,4'-DDD									
1	100		9.185						
2	100		10.724						
15 Endosulfan II									
1	100		9.269						
2	100		10.724						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 Chlorobenzilate									
1	100		9.286						
2	100		10.541						
30 Toxaphene									
1	100		9.498						
1	2		9.949						
1	3		10.015						
1	4		10.599						
1	5		11.165						
2	100		10.886						
2	2		11.435						
2	3		11.836						
2	4		12.064						
2	5		12.451						
3 4,4'-DDT									
1	100		9.706						
2	100		11.209						
18 Endrin aldehyde									
1	100		10.065						
2	100		11.297						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.659						
2	100		12.288						
16 Endosulfan sulfate									
1	100		10.789						
2	100		11.730						
19 Endrin ketone									
1	100		11.188						
2	100		12.467						
$ 10 DCB Decachlorobiphenyl									
1	100	12.799	12.802	-0.003	818869	0.000321			7M
2	100	14.244	14.247	-0.003	2857975	0.000421			7
						RPD = 26.96			

LOD = 0.000500

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

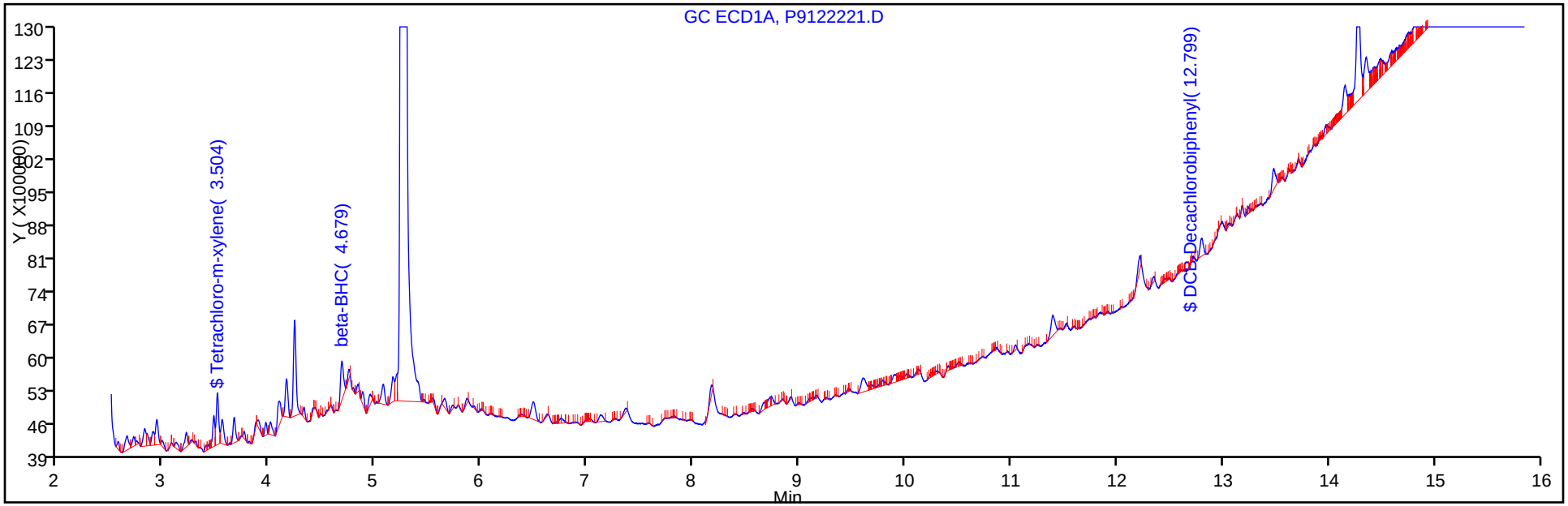
Report Date: 03-Jan-2013 07:24:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

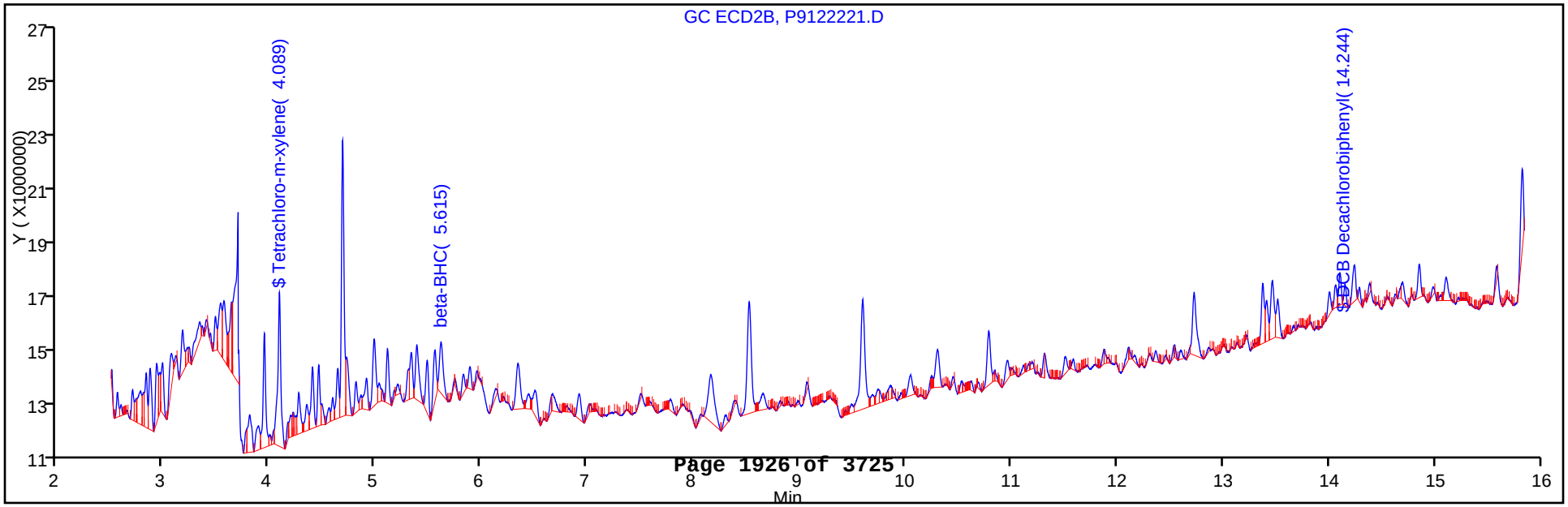
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122221.D

Injection Date:	22-Dec-2012 19:40:00	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	21
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO | Lab Sample ID: 240-18581-3

Matrix: Solid | Lab File ID: P9010342.D

Analysis Method: 8081/DOD | Date Collected: 12/07/2012 11:15

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:53

Sample wt/vol: 30.40(g) | Date Analyzed: 01/04/2013 08:21

Con. Extract Vol.: 10(mL) | Dilution Factor: 50

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71028 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	33	U	99	33	31
72-55-9	4,4'-DDE	33	U	84	33	19
50-29-3	4,4'-DDT	33	U	99	33	31
309-00-2	Aldrin	66	U	200	66	59
319-84-6	alpha-BHC	66	U	120	66	36
5103-71-9	alpha-Chlordane	66	U	150	66	46
319-85-7	beta-BHC	66	U	170	66	54
319-86-8	delta-BHC	66	U	200	66	59
60-57-1	Dieldrin	33	U	84	33	23
959-98-8	Endosulfan I	33	U	84	33	26
33213-65-9	Endosulfan II	66	U	120	66	40
1031-07-8	Endosulfan sulfate	66	U	150	66	43
72-20-8	Endrin	33	U	84	33	25
7421-93-4	Endrin aldehyde	66	U	150	66	49
53494-70-5	Endrin ketone	33	U	99	33	31
58-89-9	gamma-BHC (Lindane)	66	U	120	66	37
5103-74-2	gamma-Chlordane	33	U	84	33	21
76-44-8	Heptachlor	66	U	170	66	54
1024-57-3	Heptachlor epoxide	66	U	120	66	39
72-43-5	Methoxychlor	160	U	250	160	74
8001-35-2	Toxaphene	990	U	3300	990	940

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	92		55-130
877-09-8	Tetrachloro-m-xylene	110		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010342.D
Lims ID: 240-18581-L-3-H
Client ID: 070SB-044M-0001-SO
Inject. Date: 04-Jan-2013 08:21:16
Dil. Factor: 50.0000
Sample Type: Client
Sample ID: 240-0016373-042
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 42
Lims Batch ID: 71028
Lims Sample ID: 42
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:45
Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc
Date: 04-Jan-2013 10:43:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.497	3.498	-0.001	1190868	0.000438			7
2	100	4.084	4.084	0.000	3844491	0.000438			7
						RPD = 0.02			
LOD = 0.000500									
5 alpha-BHC									1
1	100		4.180						
2	100		4.909						
20 gamma-BHC (Lindane)									1
1	100		4.556						
2	100		5.462						
7 beta-BHC									1
1	100		4.687						
2	100		5.638						
11 delta-BHC									1
1	100		4.901						
2	100		6.186						
22 Heptachlor									1
1	100		5.181						
2	100		6.284						
4 Aldrin									1
1	100		5.631						
2	100		6.997						
23 Heptachlor epoxide									1
1	100		6.858						
2	100		8.484						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									M
1	100	7.163	7.162	0.001	1059112	0.000346			7
2	100	8.912	8.912	0.000	2919769	0.000327			7
						RPD = 5.60			
LOD = 0.000500									
6 alpha-Chlordane									M
1	100	7.507	7.514	-0.007	1288260	0.000408			7
2	100	9.223	9.225	-0.002	2244759	0.000254			7
						RPD = 46.63			
LOD = 0.000500									
14 Endosulfan I									1
1	100		7.789						
2	100		9.285						
2 4,4'-DDE									1
1	100		7.894						
2	100		9.687						
13 Dieldrin									1
1	100		8.357						
2	100		9.822						
17 Endrin									1
1	100		8.816						
2	100		10.344						
1 4,4'-DDD									
1	100		9.181						
2	100		10.717						
15 Endosulfan II									1
1	100		9.267						
2	100		10.717						
30 Toxaphene									
1	100		9.492						
1	2		9.942						
1	3		10.009						
1	4		10.593						
1	5		11.161						
2	100		10.880						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
3 4,4'-DDT									1
1	100		9.703						
2	100		11.203						
18 Endrin aldehyde									1
1	100		10.063						
2	100		11.290						
27 Methoxychlor									1
1	100		10.655						
2	100		12.282						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									1
1	100		10.785						
2	100		11.724						
19 Endrin ketone									1
1	100		11.187						
2	100		12.461						
$ 10 DCB Decachlorobiphenyl									
1	100	12.800	12.799	0.001	936637	0.000367			7
2	100	14.238	14.240	-0.002	2548242	0.000375			7
						RPD = 2.21			

LOD = 0.000500

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

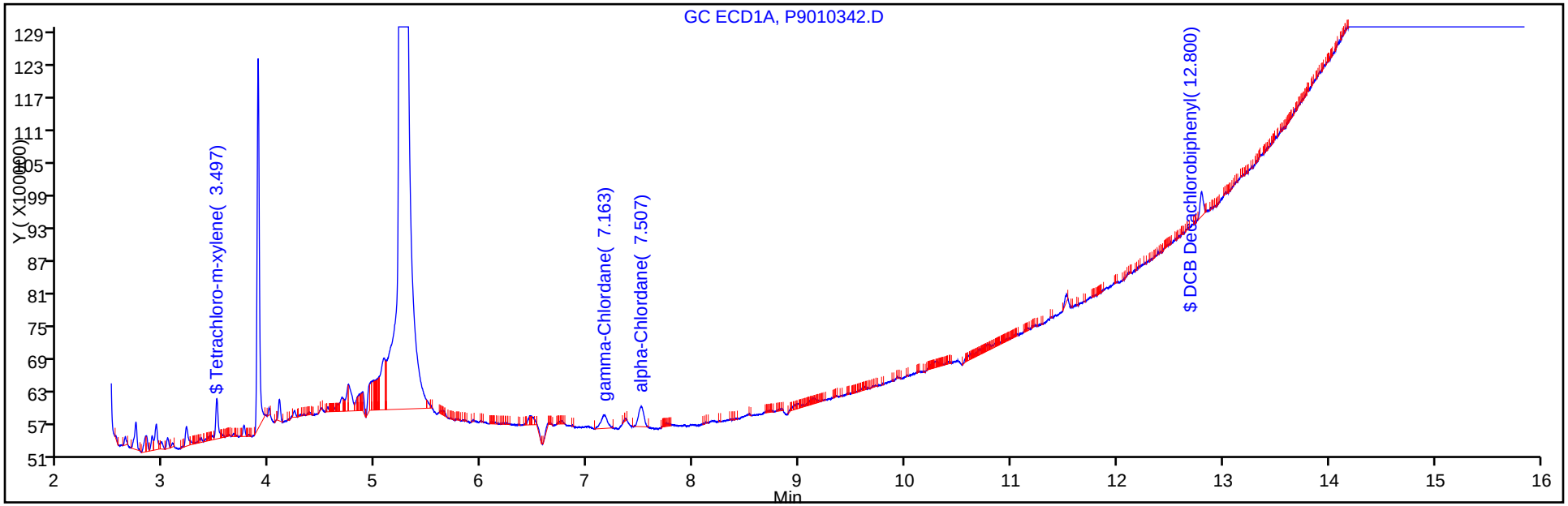
Report Date: 04-Jan-2013 10:57:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

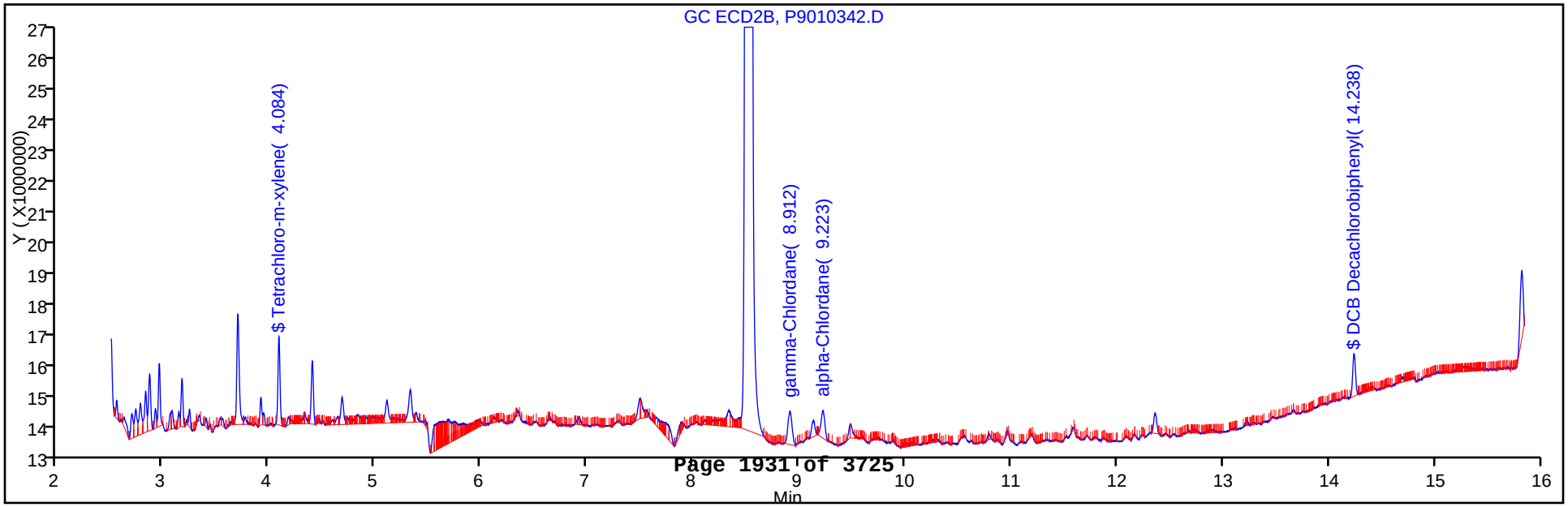
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010342.D

Injection Date:	04-Jan-2013 08:21:16	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	42
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO Lab Sample ID: 240-18581-3

Matrix: Solid Lab File ID: P9010342.D

Analysis Method: 8081/DOD Date Collected: 12/07/2012 11:15

Extraction Method: 3540C Date Extracted: 12/19/2012 12:53

Sample wt/vol: 30.40(g) Date Analyzed: 01/04/2013 08:21

Con. Extract Vol.: 10(mL) Dilution Factor: 50

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 71028 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	94		55-130
877-09-8	Tetrachloro-m-xylene	110		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010342.D
Lims ID: 240-18581-L-3-H Client ID: 070SB-044M-0001-SO
Inject. Date: 04-Jan-2013 08:21:16 Dil. Factor: 50.0000
Sample Type: Client
Sample ID: 240-0016373-042
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 42
Lims Batch ID: 71028 Lims Sample ID: 42
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:45 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 10:43:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.497	3.498	-0.001	1190868	0.000438			7
2	100	4.084	4.084	0.000	3844491	0.000438			7
						RPD = 0.02			
LOD = 0.000500									
5 alpha-BHC									1
1	100		4.180						
2	100		4.909						
20 gamma-BHC (Lindane)									1
1	100		4.556						
2	100		5.462						
7 beta-BHC									1
1	100		4.687						
2	100		5.638						
11 delta-BHC									1
1	100		4.901						
2	100		6.186						
22 Heptachlor									1
1	100		5.181						
2	100		6.284						
4 Aldrin									1
1	100		5.631						
2	100		6.997						
23 Heptachlor epoxide									1
1	100		6.858						
2	100		8.484						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									M
1	100	7.163	7.162	0.001	1059112	0.000346			7
2	100	8.912	8.912	0.000	2919769	0.000327			7
						RPD = 5.60			
LOD = 0.000500									
6 alpha-Chlordane									M
1	100	7.507	7.514	-0.007	1288260	0.000408			7
2	100	9.223	9.225	-0.002	2244759	0.000254			7
						RPD = 46.63			
LOD = 0.000500									
14 Endosulfan I									1
1	100		7.789						
2	100		9.285						
2 4,4'-DDE									1
1	100		7.894						
2	100		9.687						
13 Dieldrin									1
1	100		8.357						
2	100		9.822						
17 Endrin									1
1	100		8.816						
2	100		10.344						
1 4,4'-DDD									
1	100		9.181						
2	100		10.717						
15 Endosulfan II									1
1	100		9.267						
2	100		10.717						
30 Toxaphene									
1	100		9.492						
1	2		9.942						
1	3		10.009						
1	4		10.593						
1	5		11.161						
2	100		10.880						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
3 4,4'-DDT									1
1	100		9.703						
2	100		11.203						
18 Endrin aldehyde									1
1	100		10.063						
2	100		11.290						
27 Methoxychlor									1
1	100		10.655						
2	100		12.282						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									1
1	100		10.785						
2	100		11.724						
19 Endrin ketone									1
1	100		11.187						
2	100		12.461						
$ 10 DCB Decachlorobiphenyl									
1	100	12.800	12.799	0.001	936637	0.000367			7
2	100	14.238	14.240	-0.002	2548242	0.000375			7
						RPD = 2.21			

LOD = 0.000500

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

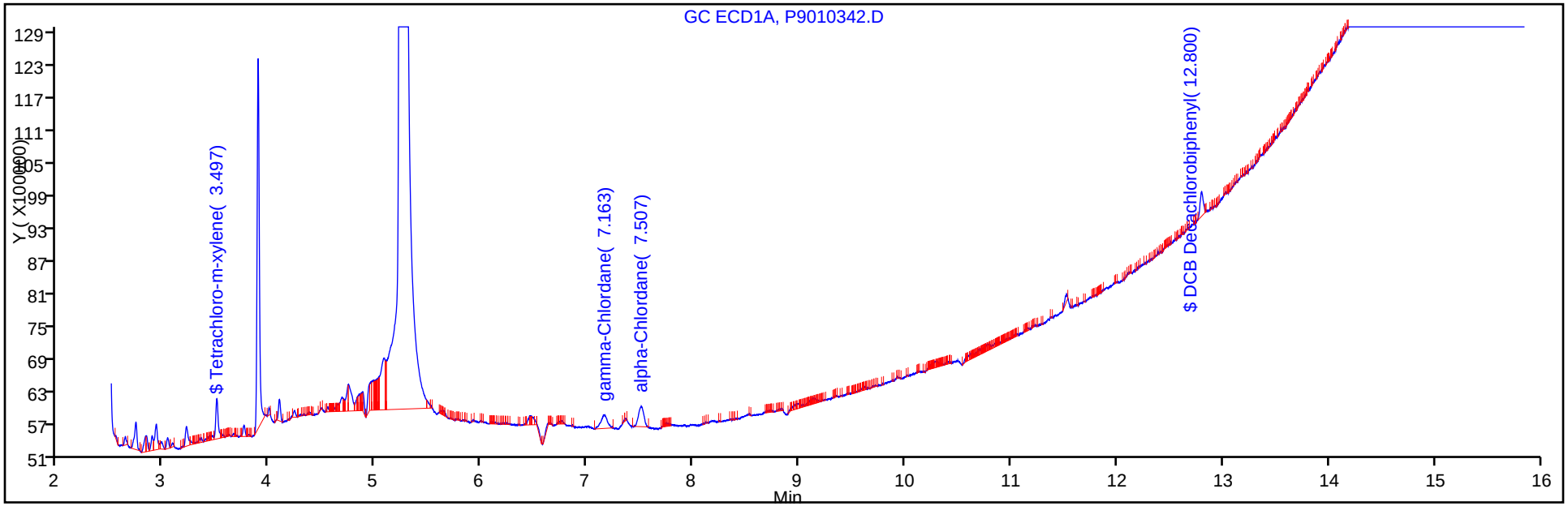
Review Flags
M - Manually Integrated

Report Date: 04-Jan-2013 10:57:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

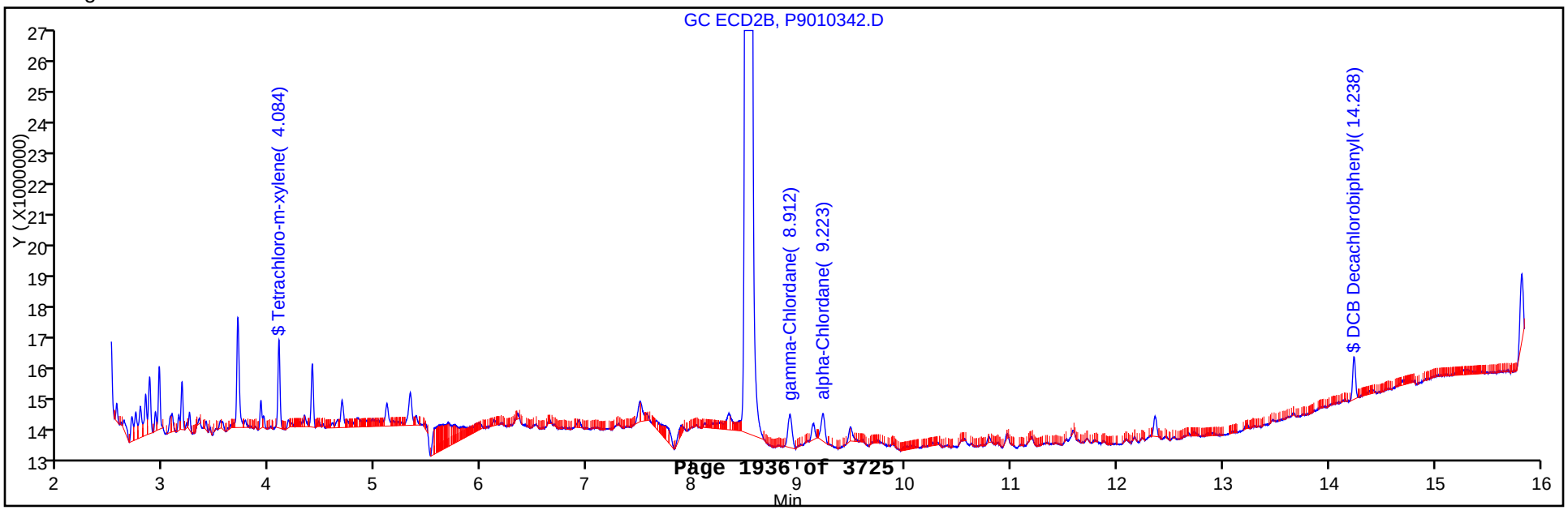
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010342.D		
Injection Date:	04-Jan-2013 08:21:16	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	42
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO | Lab Sample ID: 240-18581-5

Matrix: Solid | Lab File ID: P9010343.D

Analysis Method: 8081/DOD | Date Collected: 12/07/2012 10:50

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:53

Sample wt/vol: 30.40(g) | Date Analyzed: 01/04/2013 08:48

Con. Extract Vol.: 10(mL) | Dilution Factor: 50

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71028 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	33	U	99	33	31
72-55-9	4,4'-DDE	33	U	84	33	19
50-29-3	4,4'-DDT	33	U	99	33	31
309-00-2	Aldrin	66	U	200	66	59
319-84-6	alpha-BHC	66	U	120	66	36
5103-71-9	alpha-Chlordane	66	U	150	66	46
319-85-7	beta-BHC	66	U	170	66	54
319-86-8	delta-BHC	66	U	200	66	59
60-57-1	Dieldrin	33	U	84	33	23
959-98-8	Endosulfan I	33	U	84	33	26
33213-65-9	Endosulfan II	66	U	120	66	40
1031-07-8	Endosulfan sulfate	66	U	150	66	43
72-20-8	Endrin	33	U	84	33	25
7421-93-4	Endrin aldehyde	66	U	150	66	49
53494-70-5	Endrin ketone	33	U	99	33	31
58-89-9	gamma-BHC (Lindane)	66	U	120	66	37
5103-74-2	gamma-Chlordane	33	U	84	33	21
76-44-8	Heptachlor	66	U	170	66	54
1024-57-3	Heptachlor epoxide	66	U	120	66	39
72-43-5	Methoxychlor	160	U	250	160	74
8001-35-2	Toxaphene	990	U	3300	990	940

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	2	Q	55-130
877-09-8	Tetrachloro-m-xylene	1	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010343.D
Lims ID: 240-18581-K-5-C Client ID: 070SB-046M-0001-SO
Inject. Date: 04-Jan-2013 08:48:50 Dil. Factor: 50.0000
Sample Type: Client
Sample ID: 240-0016373-043
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 43
Lims Batch ID: 71028 Lims Sample ID: 43
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:45 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 10:45:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.498	0.001	1028985	0.000378			7
2	100	4.084	4.084	0.000	3970885	0.000452			7
						RPD = 17.82			
LOD = 0.000500									
5 alpha-BHC									
1	100		4.180						
2	100		4.909						
20 gamma-BHC (Lindane)									
1	100		4.556						
2	100		5.462						
7 beta-BHC									
1	100	4.684	4.687	-0.003	973793	0.000718			
2	100	5.626	5.638	-0.012	212361228	0.0487			
						RPD = 194.19			
11 delta-BHC									
1	100		4.901						
2	100		6.186						
22 Heptachlor									1
1	100		5.181						
2	100		6.284						
4 Aldrin									
1	100		5.631						
2	100		6.997						
23 Heptachlor epoxide									
1	100		6.858						
2	100		8.484						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100		7.162						
2	100		8.912						
6 alpha-Chlordane									
1	100		7.514						
2	100		9.225						
14 Endosulfan I									
1	100		7.789						
2	100		9.285						
2 4,4'-DDE									
1	100		7.894						
2	100		9.687						
13 Dieldrin									
1	100		8.357						
2	100		9.822						
17 Endrin									
1	100		8.816						
2	100		10.344						
1 4,4'-DDD									
1	100		9.181						
2	100		10.717						
15 Endosulfan II									
1	100		9.267						
2	100		10.717						
30 Toxaphene									
1	100		9.492						
1	2		9.942						
1	3		10.009						
1	4		10.593						
1	5		11.161						
2	100		10.880						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
3 4,4'-DDT									
1	100		9.703						
2	100		11.203						
18 Endrin aldehyde									
1	100		10.063						
2	100		11.290						
27 Methoxychlor									
1	100		10.655						
2	100		12.282						
16 Endosulfan sulfate									
1	100		10.785						
2	100		11.724						
19 Endrin ketone									
1	100		11.187						
2	100		12.461						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.798	12.799	-0.001	996015	0.000390			7
2	100	14.242	14.240	0.002	3412265	0.000502			7
						RPD = 25.13			

LOD = 0.000500

QC Flag Legend

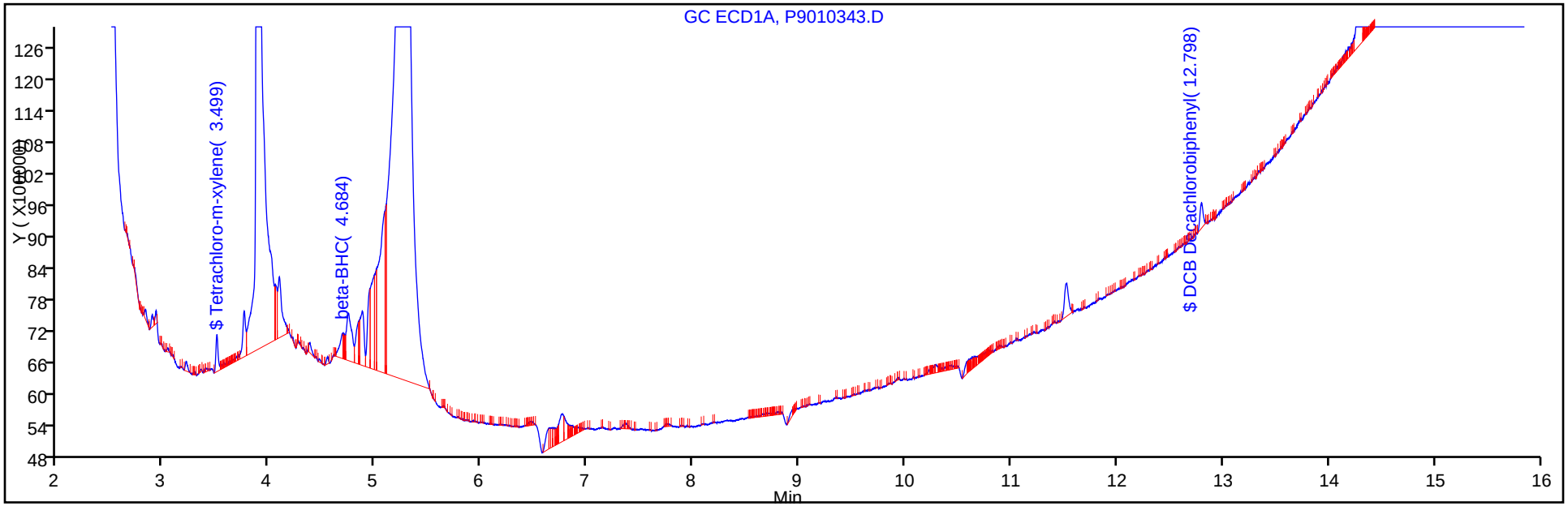
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Report Date: 04-Jan-2013 10:57:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

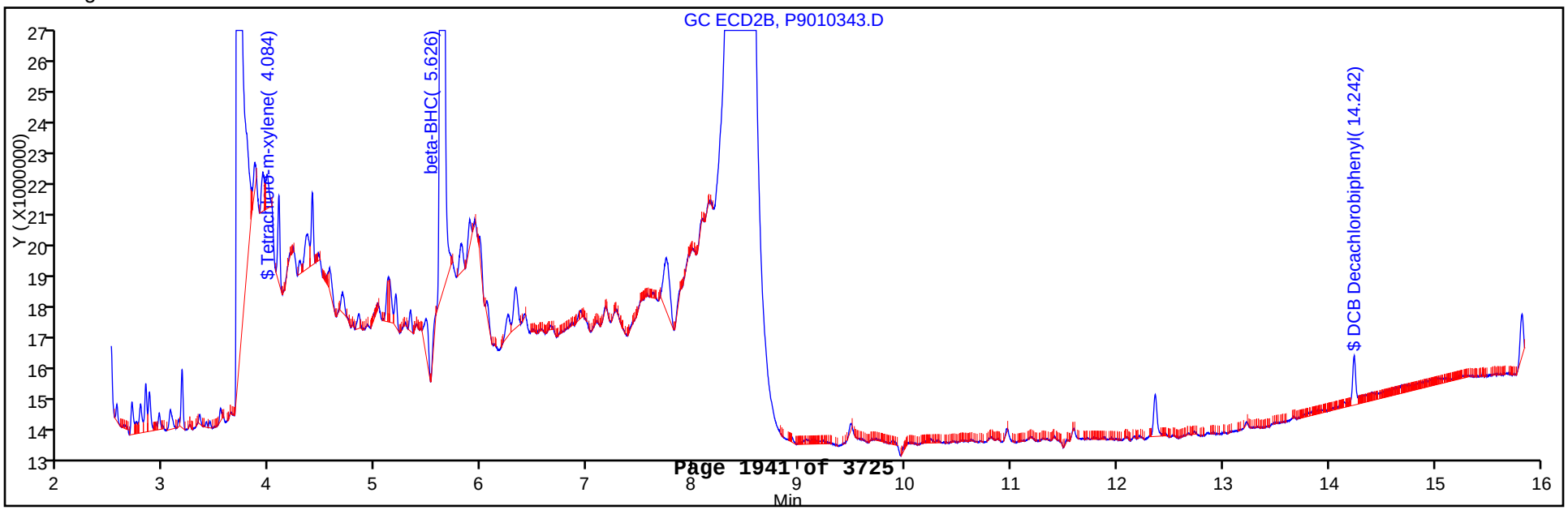
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010343.D		
Injection Date:	04-Jan-2013 08:48:50	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	43
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO Lab Sample ID: 240-18581-5

Matrix: Solid Lab File ID: P9010343.D

Analysis Method: 8081/DOD Date Collected: 12/07/2012 10:50

Extraction Method: 3540C Date Extracted: 12/19/2012 12:53

Sample wt/vol: 30.40(g) Date Analyzed: 01/04/2013 08:48

Con. Extract Vol.: 10(mL) Dilution Factor: 50

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 71028 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	2	Q	55-130
877-09-8	Tetrachloro-m-xylene	2	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010343.D
Lims ID: 240-18581-K-5-C Client ID: 070SB-046M-0001-SO
Inject. Date: 04-Jan-2013 08:48:50 Dil. Factor: 50.0000
Sample Type: Client
Sample ID: 240-0016373-043
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 43
Lims Batch ID: 71028 Lims Sample ID: 43
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:45 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 10:45:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.498	0.001	1028985	0.000378			7
2	100	4.084	4.084	0.000	3970885	0.000452			7
						RPD = 17.82			
LOD = 0.000500									
5 alpha-BHC									
1	100		4.180						
2	100		4.909						
20 gamma-BHC (Lindane)									
1	100		4.556						
2	100		5.462						
7 beta-BHC									
1	100	4.684	4.687	-0.003	973793	0.000718			
2	100	5.626	5.638	-0.012	212361228	0.0487			
						RPD = 194.19			
11 delta-BHC									
1	100		4.901						
2	100		6.186						
22 Heptachlor									1
1	100		5.181						
2	100		6.284						
4 Aldrin									
1	100		5.631						
2	100		6.997						
23 Heptachlor epoxide									
1	100		6.858						
2	100		8.484						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100		7.162						
2	100		8.912						
6 alpha-Chlordane									
1	100		7.514						
2	100		9.225						
14 Endosulfan I									
1	100		7.789						
2	100		9.285						
2 4,4'-DDE									
1	100		7.894						
2	100		9.687						
13 Dieldrin									
1	100		8.357						
2	100		9.822						
17 Endrin									
1	100		8.816						
2	100		10.344						
1 4,4'-DDD									
1	100		9.181						
2	100		10.717						
15 Endosulfan II									
1	100		9.267						
2	100		10.717						
30 Toxaphene									
1	100		9.492						
1	2		9.942						
1	3		10.009						
1	4		10.593						
1	5		11.161						
2	100		10.880						
2	2		11.428						
2	3		11.831						
2	4		12.057						
2	5		12.445						
3 4,4'-DDT									
1	100		9.703						
2	100		11.203						
18 Endrin aldehyde									
1	100		10.063						
2	100		11.290						
27 Methoxychlor									
1	100		10.655						
2	100		12.282						
16 Endosulfan sulfate									
1	100		10.785						
2	100		11.724						
19 Endrin ketone									
1	100		11.187						
2	100		12.461						

Report Date: 04-Jan-2013 10:57:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010343.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.798	12.799	-0.001	996015	0.000390			7
2	100	14.242	14.240	0.002	3412265	0.000502			7
						RPD = 25.13			

LOD = 0.000500

QC Flag Legend

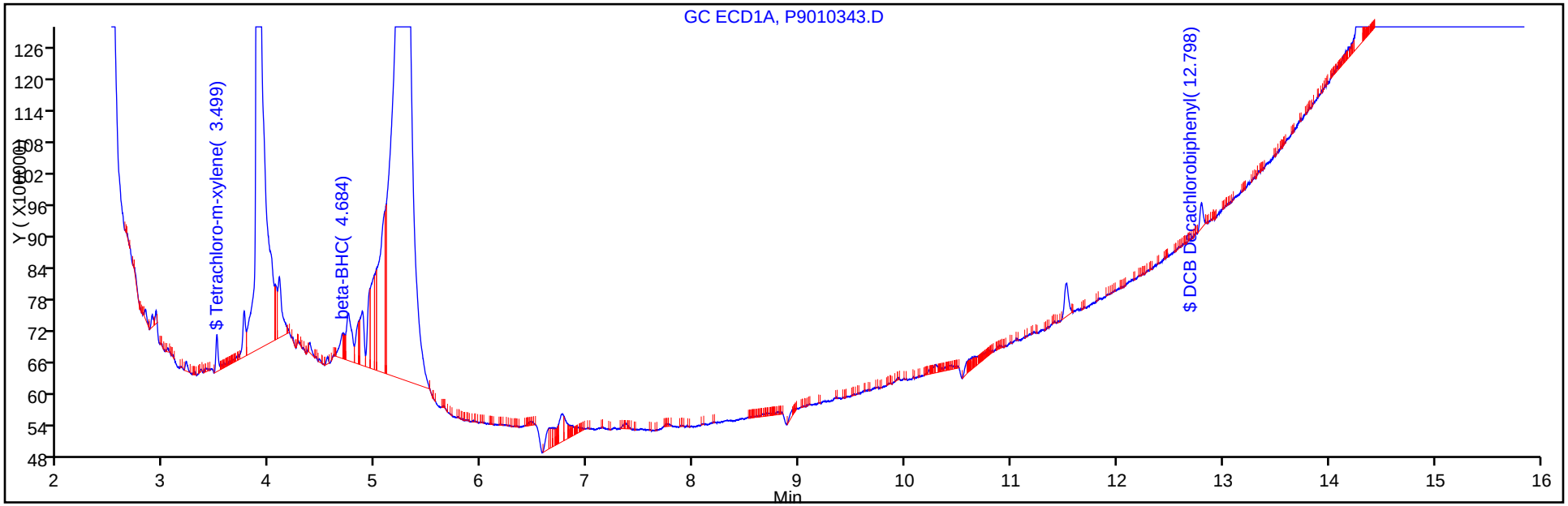
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Report Date: 04-Jan-2013 10:57:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

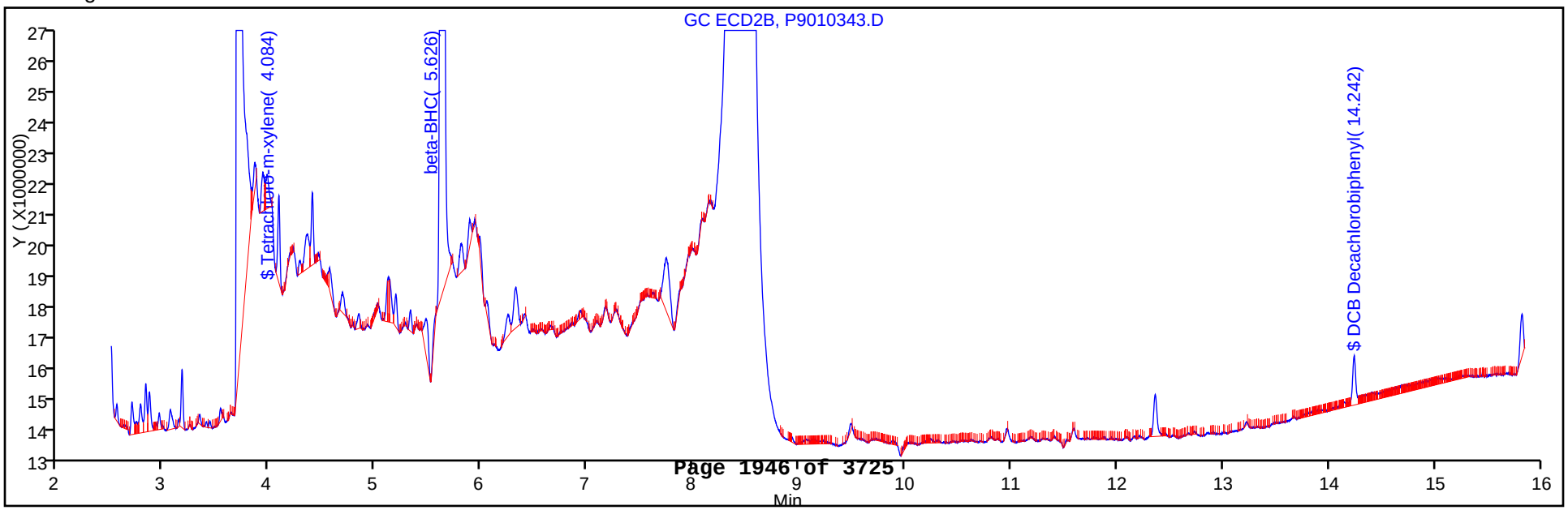
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010343.D		
Injection Date:	04-Jan-2013 08:48:50	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	43
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 13:58 Calibration End Date: 12/06/2012 15:48 Calibration ID: 12712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/12	P9120612.D
Level 2	STD 240-67554/13	P9120613.D
Level 3	STD 240-67554/14	P9120614.D
Level 4	STD 240-67554/15	P9120615.D
Level 5	STD 240-67554/16	P9120616.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	9.505	9.506	9.508	9.508	9.507						9.478 - 9.538	9.507
Toxaphene Peak 2	9.952	9.952	9.951	9.956	9.954						9.921 - 9.981	9.953
Toxaphene Peak 3	10.019	10.021	10.021	10.020	10.021						9.991 - 10.051	10.020
Toxaphene Peak 4	10.604	10.603	10.605	10.604	10.603						10.575 - 10.635	10.604
Toxaphene Peak 5	11.168	11.169	11.170	11.170	11.170						11.140 - 11.200	11.169

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 13:58 Calibration End Date: 12/06/2012 15:48 Calibration ID: 12712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/12	P9120612.D
Level 2	STD 240-67554/13	P9120613.D
Level 3	STD 240-67554/14	P9120614.D
Level 4	STD 240-67554/15	P9120615.D
Level 5	STD 240-67554/16	P9120616.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	71391445 64152866	76548370	62258278	70612991	Ave		68992789.9				8.4		20.0			
Toxaphene Peak 2	92110295 80018780	88244200	78150246	88824662	Ave		85469636.5				7.1		20.0			
Toxaphene Peak 3	77020950 71076954	74981218	68653392	77095048	Ave		73765512.4				5.1		20.0			
Toxaphene Peak 4	105166900 93304506	106895652	85217063	103134712	Ave		98743766.5				9.3		20.0			
Toxaphene Peak 5	65495270 63137898	70525146	52584471	66386458	Ave		63625848.6				11.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 13:58 Calibration End Date: 12/06/2012 15:48 Calibration ID: 12712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/12	P9120612.D
Level 2	STD 240-67554/13	P9120613.D
Level 3	STD 240-67554/14	P9120614.D
Level 4	STD 240-67554/15	P9120615.D
Level 5	STD 240-67554/16	P9120616.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	14278289	38274185	62258278	141225982	320764328	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	18422059	44122100	78150246	177649323	400093900	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	15404190	37490609	68653392	154190096	355384770	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	21033380	53447826	85217063	206269423	466522531	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	13099054	35262573	52584471	132772916	315689490	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120612.D		
Lims ID:	STD TOX 1	Client ID:	
Inject. Date:	06-Dec-2012 13:58:34	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0015581-012		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	67554	Lims Sample ID:	12
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:30	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:38:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.505	9.508	-0.003	14278289	0.2070		100.0	M
1	2	9.952	9.951	0.001	18422059	0.2155	105.5- 145.5	129.0	M
1	3	10.019	10.021	-0.002	15404190	0.2088	90.3- 130.3	107.9	M
1	4	10.604	10.605	-0.001	21033380	0.2130	116.9- 156.9	147.3	M
1	5	11.168	11.170	-0.002	13099054	0.2059	64.5- 104.5	91.7	M
			Average of Peak Amounts =			0.2100			
2	100	10.897	10.898	-0.001	58494491	0.2203		100.0	M
2	2	11.446	11.448	-0.002	36218341	0.2182	43.7- 83.7	61.9	M
2	3	11.848	11.848	0.000	37476403	0.2185	45.7- 85.7	64.1	M
2	4	12.076	12.077	-0.001	54834322	0.2135	80.2- 120.2	93.7	M
2	5	12.462	12.464	-0.002	25821970	0.2112	28.1- 68.1	44.1	M
			Average of Peak Amounts =			0.2164			
						RPD = 2.96			

QC Flag Legend

Review Flags
M - Manually Integrated

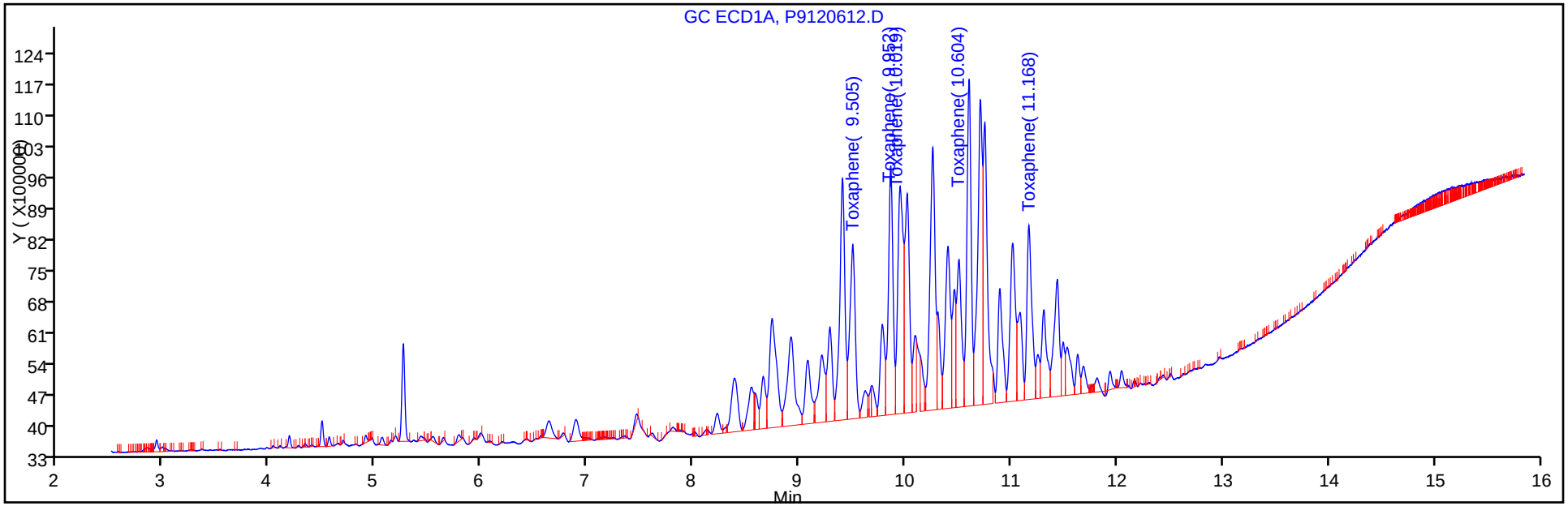
Report Date: 07-Dec-2012 10:25:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

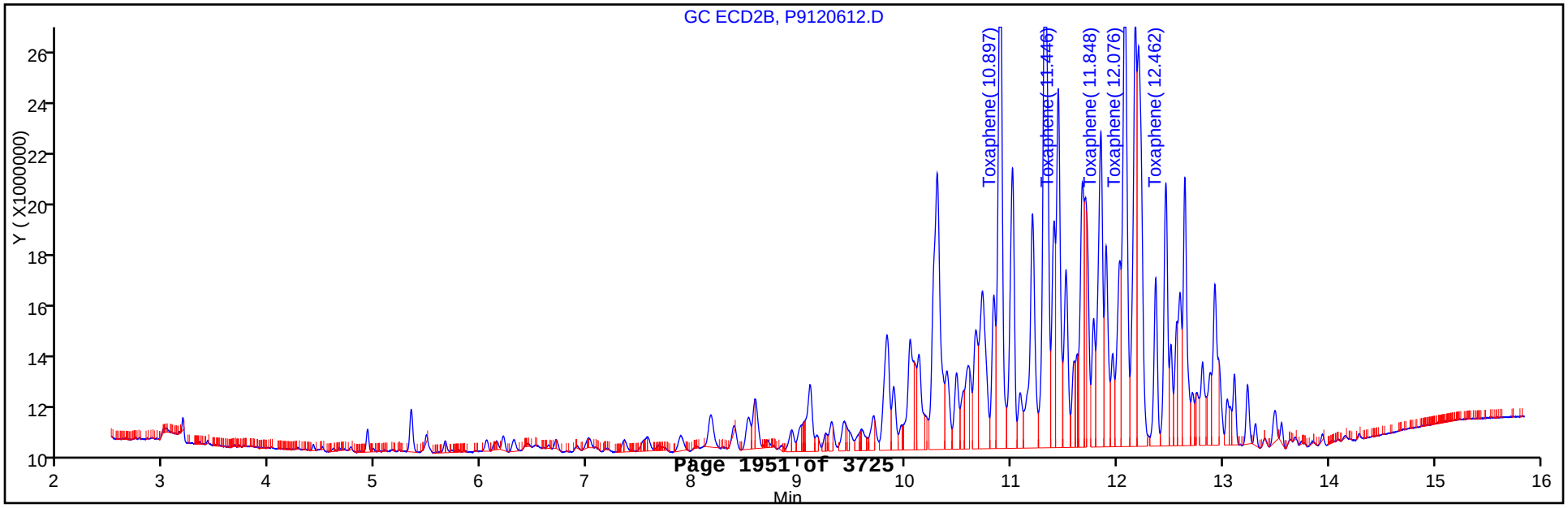
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120612.D

Injection Date:	06-Dec-2012 13:58:34	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



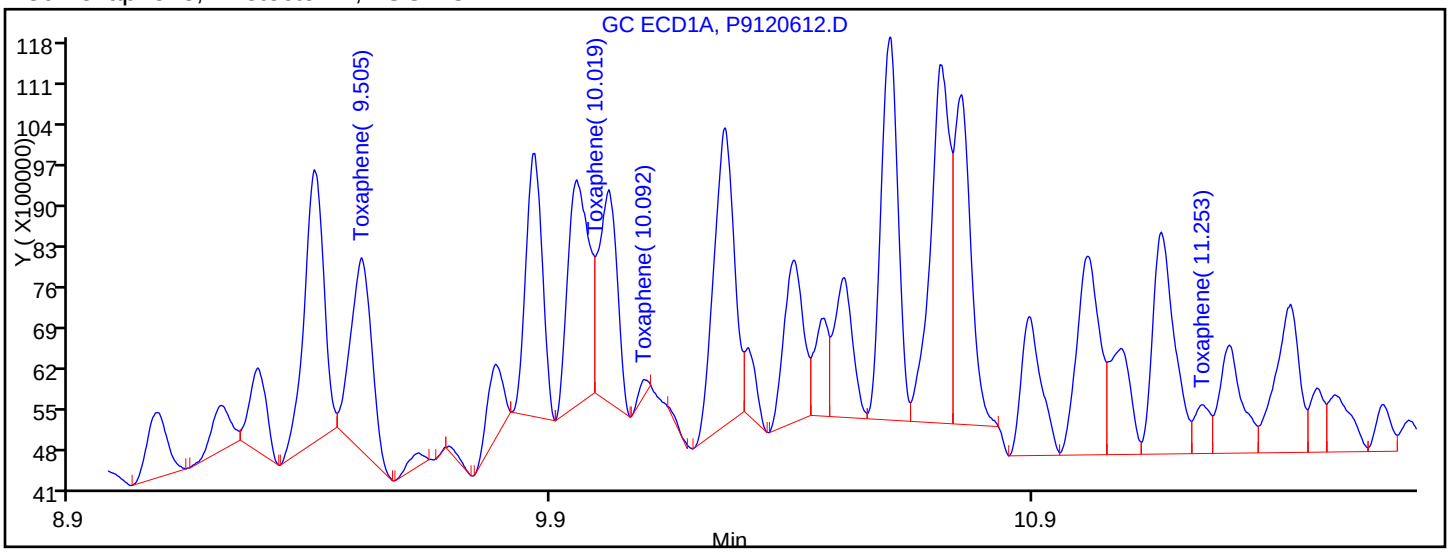
Report Date: 07-Dec-2012 10:25:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120612.D

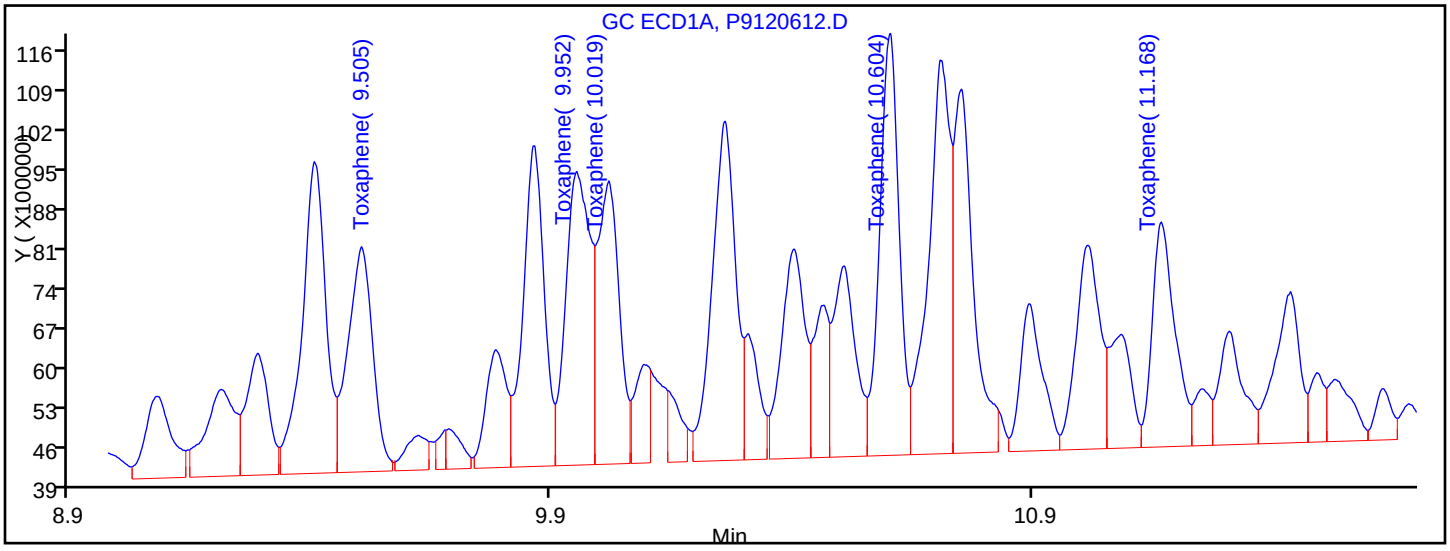
Injection Date:	06-Dec-2012 13:58:34	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.505	Response = 9989553	M
RT = 10.019	Response = 9580955	M
RT = 10.092	Response = 377422	M
RT = 0.000	Response = 0	M
RT = 11.253	Response = 1887183	M



Manual Integration Results

RT = 9.505	Response = 14278289	M
RT = 9.952	Response = 18422059	M
RT = 10.019	Response = 15404190	M
RT = 10.604	Response = 21033380	M
RT = 11.168	Response = 13099054	M

Reviewer: vandorenc, 07-Dec-2012 07:38:30

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120613.D
Lims ID: STD TOX2 Client ID:
Inject. Date: 06-Dec-2012 14:24:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015581-013
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 67554 Lims Sample ID: 13
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:33 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:41:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.506	9.508	-0.002	38274185	0.5548		100.0	M
1	2	9.952	9.951	0.001	44122100	0.5162	105.5- 145.5	115.3	M
1	3	10.021	10.021	0.000	37490609	0.5082	90.3- 130.3	98.0	M
1	4	10.603	10.605	-0.002	53447826	0.5413	116.9- 156.9	139.6	M
1	5	11.169	11.170	-0.001	35262573	0.5542	64.5- 104.5	92.1	M
			Average of Peak Amounts =			0.5349			
2	100	10.899	10.898	0.001	123675963	0.4658		100.0	
2	2	11.447	11.448	-0.001	75183809	0.4530	43.7- 83.7	60.8	A
2	3	11.848	11.848	0.000	72454678	0.4225	45.7- 85.7	58.6	A
2	4	12.076	12.077	-0.001	108399435	0.4221	80.2- 120.2	87.6	A
2	5	12.464	12.464	0.000	44890815	0.3672	28.1- 68.1	36.3	A
			Average of Peak Amounts =			0.4261			
						RPD = 22.65			

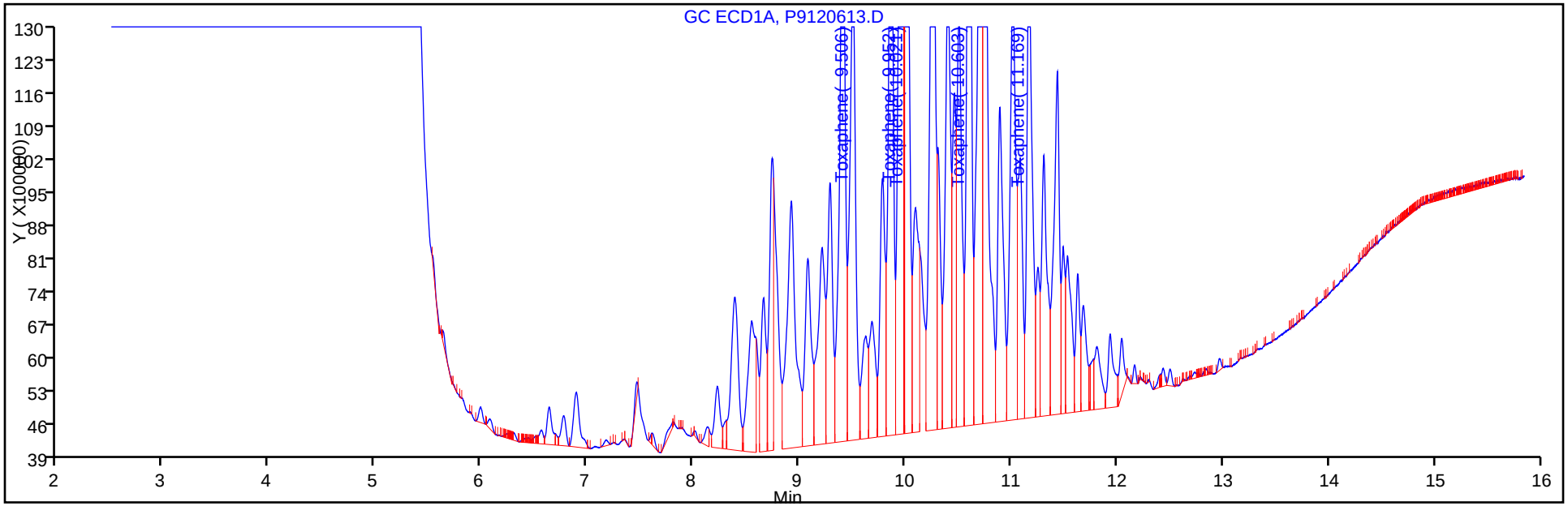
Report Date: 07-Dec-2012 10:25:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

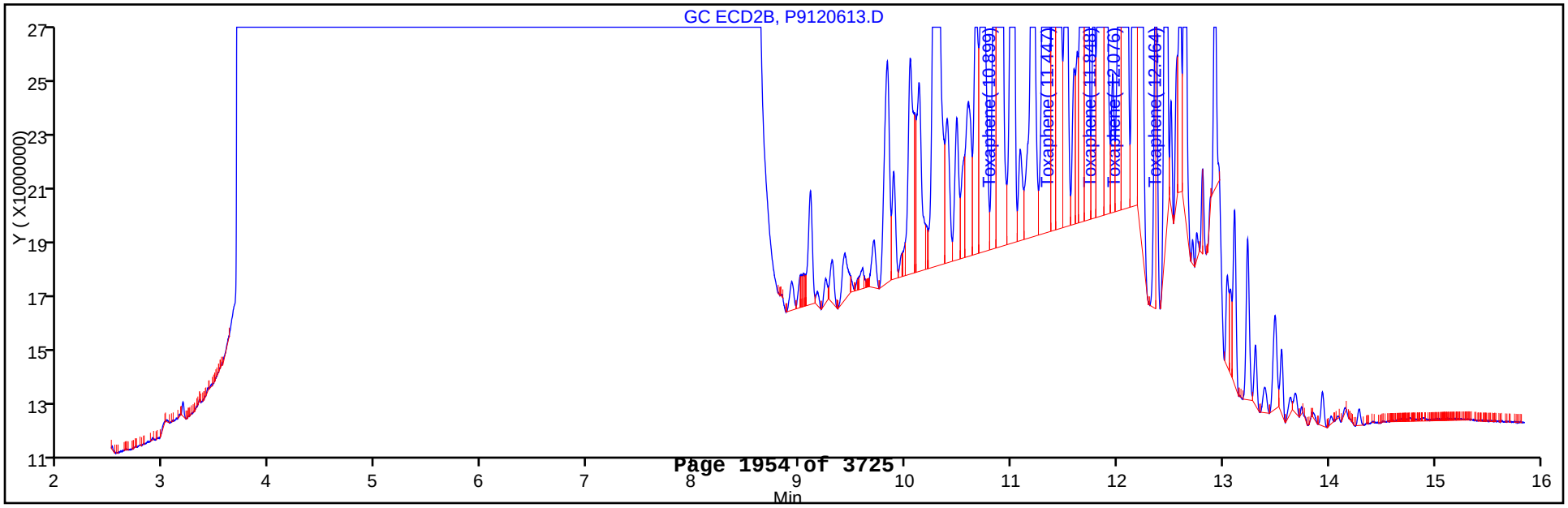
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120613.D

Injection Date:	06-Dec-2012 14:24:05	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120614.D
Lims ID: STD TOX3 Client ID:
Inject. Date: 06-Dec-2012 14:52:12 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015581-014
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 67554 Lims Sample ID: 14
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:35 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:45:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.508	9.508	0.000	62258278	0.9024		100.0	M
1	2	9.951	9.951	0.000	78150246	0.9144	105.5- 145.5	125.5	M
1	3	10.021	10.021	0.000	68653392	0.9307	90.3- 130.3	110.3	M
1	4	10.605	10.605	0.000	85217063	0.8630	116.9- 156.9	136.9	A
1	5	11.170	11.170	0.000	52584471	0.8265	64.5- 104.5	84.5	A
			Average of Peak Amounts =			0.8874			
2	100	10.898	10.898	0.000	269496535	1.02		100.0	
2	2	11.448	11.448	0.000	171680539	1.03	43.7- 83.7	63.7	A
2	3	11.848	11.848	0.000	176931653	1.03	45.7- 85.7	65.7	A
2	4	12.077	12.077	0.000	270000292	1.05	80.2- 120.2	100.2	A
2	5	12.464	12.464	0.000	129671979	1.06	28.1- 68.1	48.1	A
			Average of Peak Amounts =			1.04			
						RPD = 15.71			

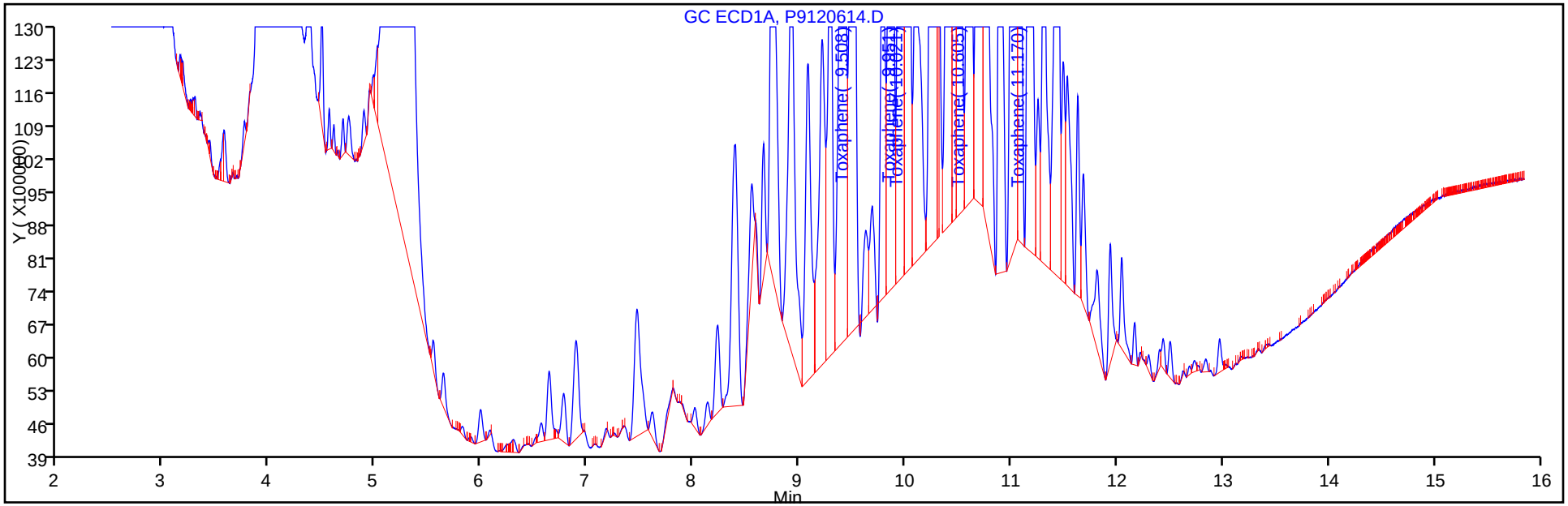
Report Date: 07-Dec-2012 10:25:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

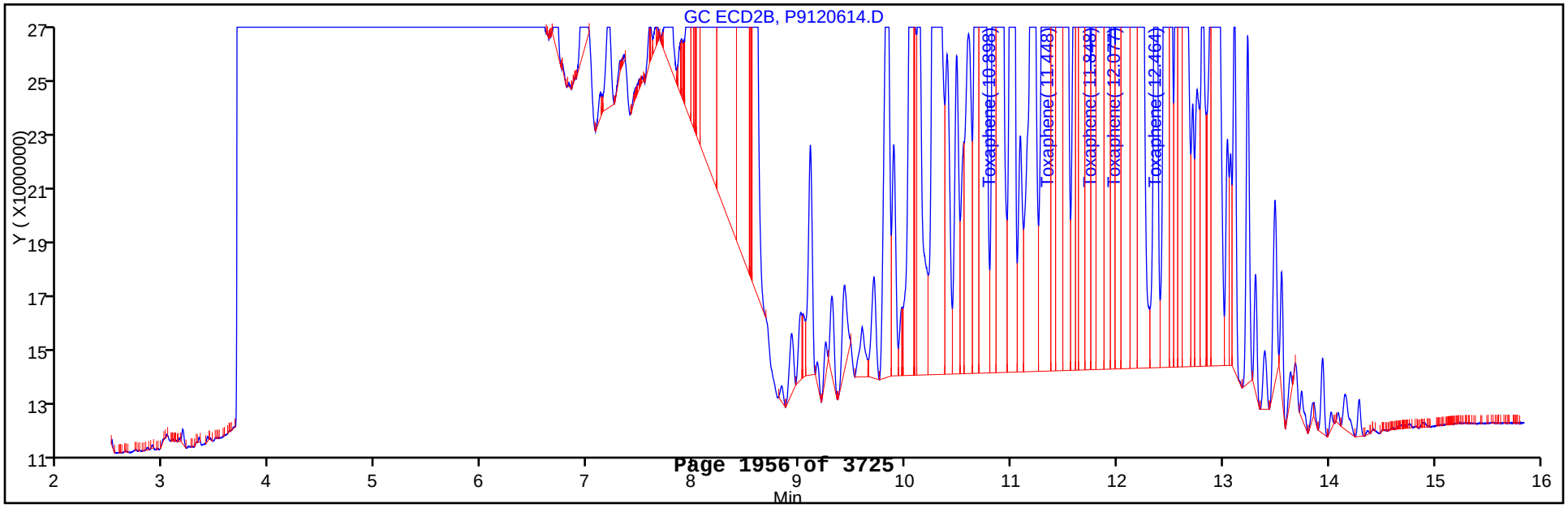
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120614.D

Injection Date:	06-Dec-2012 14:52:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120615.D		
Lims ID:	STD TOX4	Client ID:	
Inject. Date:	06-Dec-2012 15:20:19	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015581-015		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	67554	Lims Sample ID:	15
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:37	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:46:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.508	9.508	0.000	141225982	2.05		100.0	
1	2	9.956	9.951	0.005	177649323	2.08	105.5- 145.5	125.8	
1	3	10.020	10.021	-0.001	154190096	2.09	90.3- 130.3	109.2	
1	4	10.604	10.605	-0.001	206269423	2.09	116.9- 156.9	146.1	
1	5	11.170	11.170	0.000	132772916	2.09	64.5- 104.5	94.0	
			Average of Peak Amounts =			2.08			
2	100	10.898	10.898	0.000	551056414	2.08		100.0	M
2	2	11.446	11.448	-0.002	343302433	2.07	43.7- 83.7	62.3	M
2	3	11.848	11.848	0.000	367855848	2.15	45.7- 85.7	66.8	M
2	4	12.077	12.077	0.000	547075527	2.13	80.2- 120.2	99.3	M
2	5	12.462	12.464	-0.002	277675164	2.27	28.1- 68.1	50.4	M
			Average of Peak Amounts =			2.14			
						RPD = 2.84			

QC Flag Legend

Review Flags
M - Manually Integrated

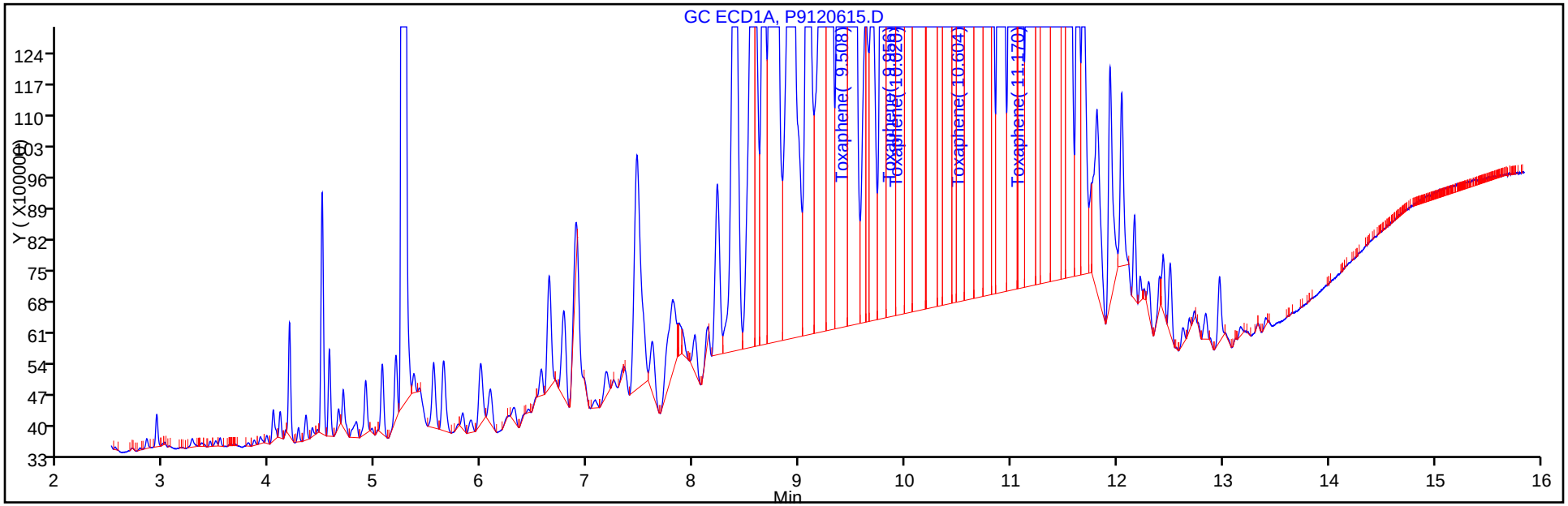
Report Date: 07-Dec-2012 10:25:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

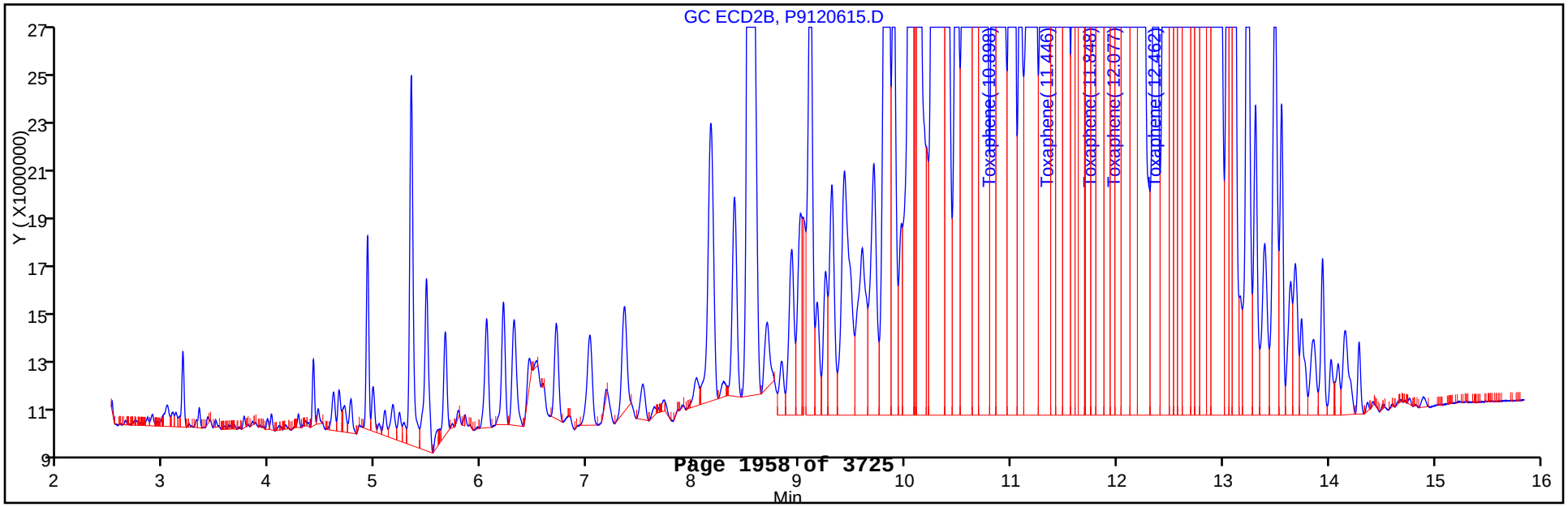
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120615.D

Injection Date:	06-Dec-2012 15:20:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120616.D		
Lims ID:	STD TOX5	Client ID:	
Inject. Date:	06-Dec-2012 15:48:28	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015581-016		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	67554	Lims Sample ID:	16
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:40	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:47:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.507	9.508	-0.001	320764328	4.65		100.0	
1	2	9.954	9.951	0.003	400093900	4.68	105.5- 145.5	124.7	
1	3	10.021	10.021	0.000	355384770	4.82	90.3- 130.3	110.8	
1	4	10.603	10.605	-0.002	466522531	4.72	116.9- 156.9	145.4	
1	5	11.170	11.170	0.000	315689490	4.96	64.5- 104.5	98.4	
			Average of Peak Amounts =			4.77			
2	100	10.899	10.898	0.001	1212888260	4.57		100.0	
2	2	11.447	11.448	-0.001	775615828	4.67	43.7- 83.7	63.9	A
2	3	11.849	11.848	0.001	821441819	4.79	45.7- 85.7	67.7	
2	4	12.075	12.077	-0.002	1247357220	4.86	80.2- 120.2	102.8	
2	5	12.463	12.464	-0.001	619488835	5.07	28.1- 68.1	51.1	
			Average of Peak Amounts =			4.79			
						RPD = 0.51			

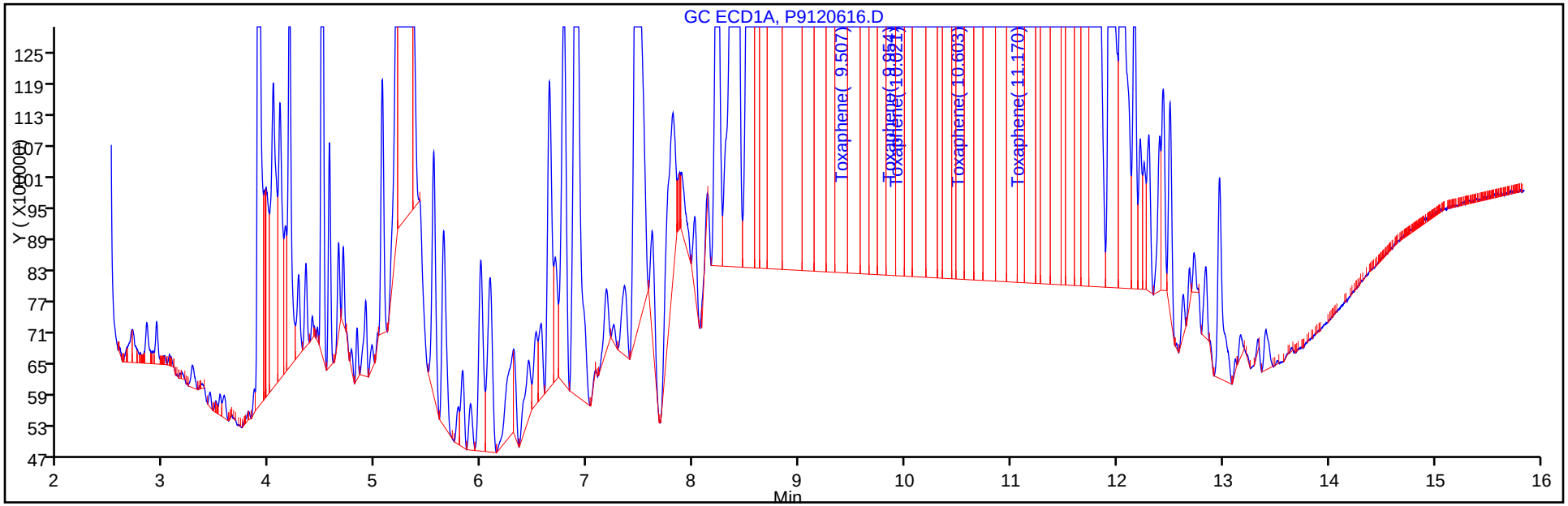
Report Date: 07-Dec-2012 10:25:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

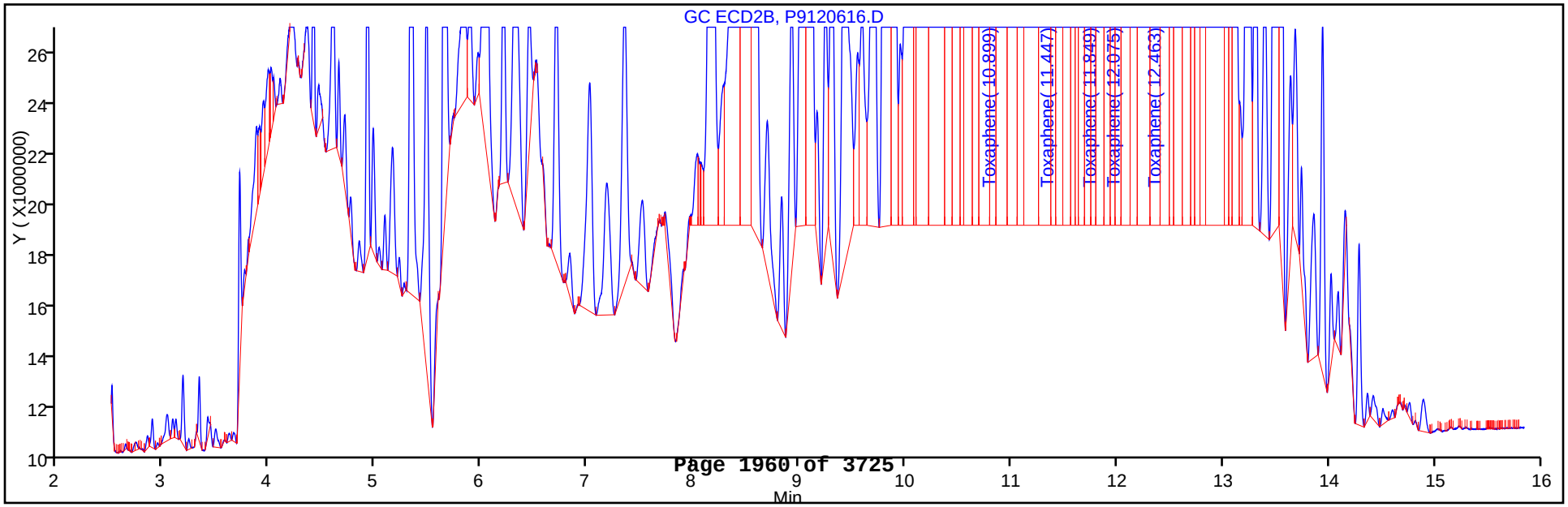
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120616.D

Injection Date:	06-Dec-2012 15:48:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	16
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 13:58 Calibration End Date: 12/06/2012 15:48 Calibration ID: 12713

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/12	P9120612.D
Level 2	STD 240-67554/13	P9120613.D
Level 3	STD 240-67554/14	P9120614.D
Level 4	STD 240-67554/15	P9120615.D
Level 5	STD 240-67554/16	P9120616.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	10.897	10.899	10.898	10.898	10.899						10.868 - 10.928	10.898
Toxaphene Peak 2	11.446	11.447	11.448	11.446	11.447						11.418 - 11.478	11.447
Toxaphene Peak 3	11.848	11.848	11.848	11.848	11.849						11.818 - 11.878	11.848
Toxaphene Peak 4	12.076	12.076	12.077	12.077	12.075						12.047 - 12.107	12.076
Toxaphene Peak 5	12.462	12.464	12.464	12.462	12.463						12.434 - 12.494	12.463

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 13:58 Calibration End Date: 12/06/2012 15:48 Calibration ID: 12713

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/12	P9120612.D
Level 2	STD 240-67554/13	P9120613.D
Level 3	STD 240-67554/14	P9120614.D
Level 4	STD 240-67554/15	P9120615.D
Level 5	STD 240-67554/16	P9120616.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	292472455 242577652	247351926	269496535	275528207	Ave		265485355				7.8		20.0			
Toxaphene Peak 2	181091705 155123166	150367618	171680539	171651217	Ave		165982849				7.7		20.0			
Toxaphene Peak 3	187382015 164288364	144909356	176931653	183927924	Ave		171487862				10.0		20.0			
Toxaphene Peak 4	274171610 249471444	216798870	270000292	273537764	Ave		256795996				9.6		20.0			
Toxaphene Peak 5	129109850 123897767	89781630	129671979	138837582	Ave		122259762				15.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67554

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2012 13:58 Calibration End Date: 12/06/2012 15:48 Calibration ID: 12713

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67554/12	P9120612.D
Level 2	STD 240-67554/13	P9120613.D
Level 3	STD 240-67554/14	P9120614.D
Level 4	STD 240-67554/15	P9120615.D
Level 5	STD 240-67554/16	P9120616.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	58494491	123675963	269496535	551056414	1212888260	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	36218341	75183809	171680539	343302433	775615828	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	37476403	72454678	176931653	367855848	821441819	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	54834322	108399435	270000292	547075527	1247357220	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	25821970	44890815	129671979	277675164	619488835	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120612.D
Lims ID: STD TOX 1 Client ID:
Inject. Date: 06-Dec-2012 13:58:34 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015581-012
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 67554 Lims Sample ID: 12
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:30 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:38:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.505	9.508	-0.003	14278289	0.2070		100.0	M
1	2	9.952	9.951	0.001	18422059	0.2155	105.5- 145.5	129.0	M
1	3	10.019	10.021	-0.002	15404190	0.2088	90.3- 130.3	107.9	M
1	4	10.604	10.605	-0.001	21033380	0.2130	116.9- 156.9	147.3	M
1	5	11.168	11.170	-0.002	13099054	0.2059	64.5- 104.5	91.7	M
			Average of Peak Amounts =			0.2100			
2	100	10.897	10.898	-0.001	58494491	0.2203		100.0	M
2	2	11.446	11.448	-0.002	36218341	0.2182	43.7- 83.7	61.9	M
2	3	11.848	11.848	0.000	37476403	0.2185	45.7- 85.7	64.1	M
2	4	12.076	12.077	-0.001	54834322	0.2135	80.2- 120.2	93.7	M
2	5	12.462	12.464	-0.002	25821970	0.2112	28.1- 68.1	44.1	M
			Average of Peak Amounts =			0.2164			
						RPD = 2.96			

QC Flag Legend

Review Flags
M - Manually Integrated

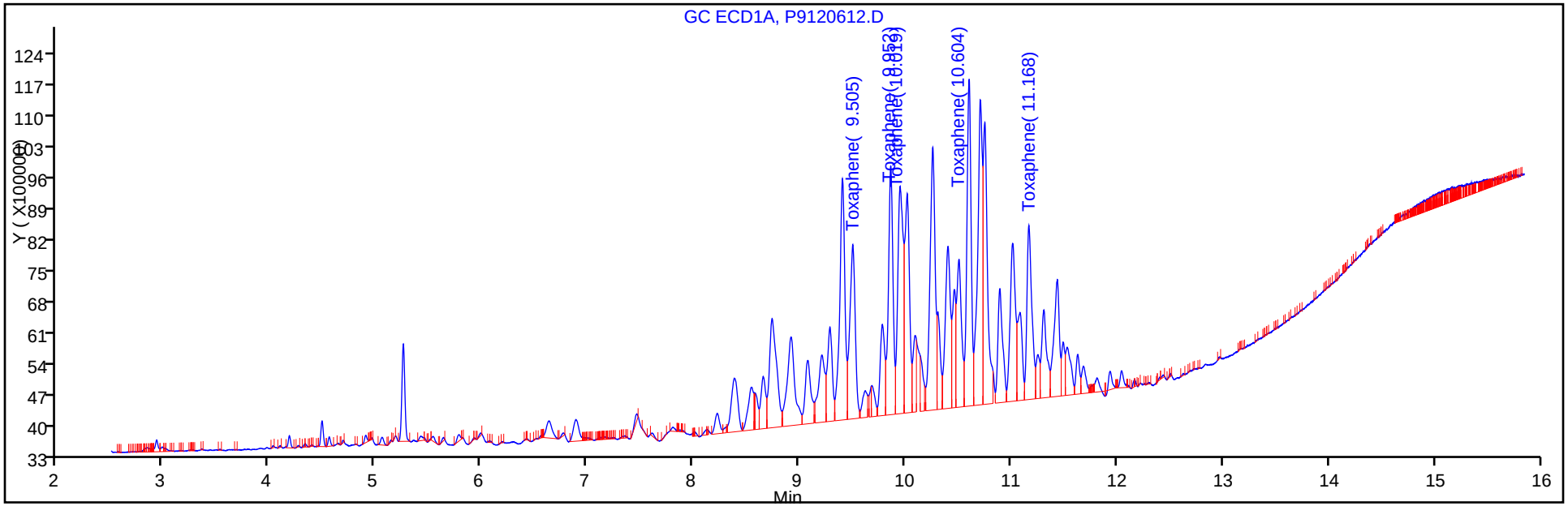
Report Date: 07-Dec-2012 10:25:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

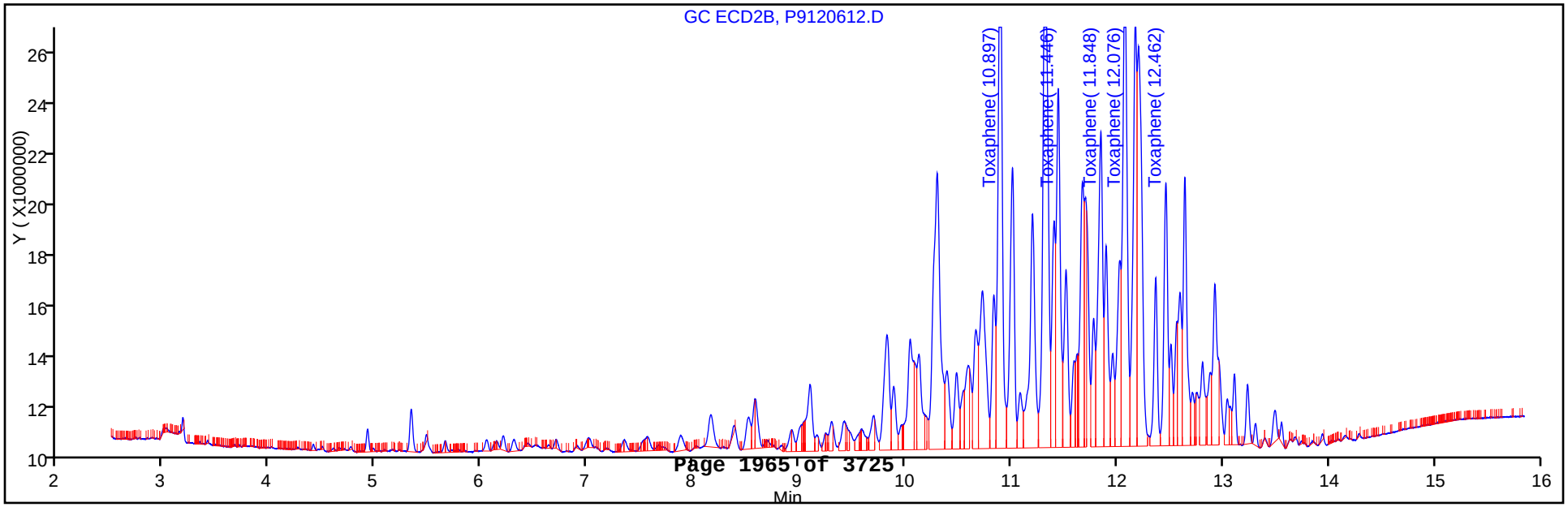
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120612.D

Injection Date:	06-Dec-2012 13:58:34	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



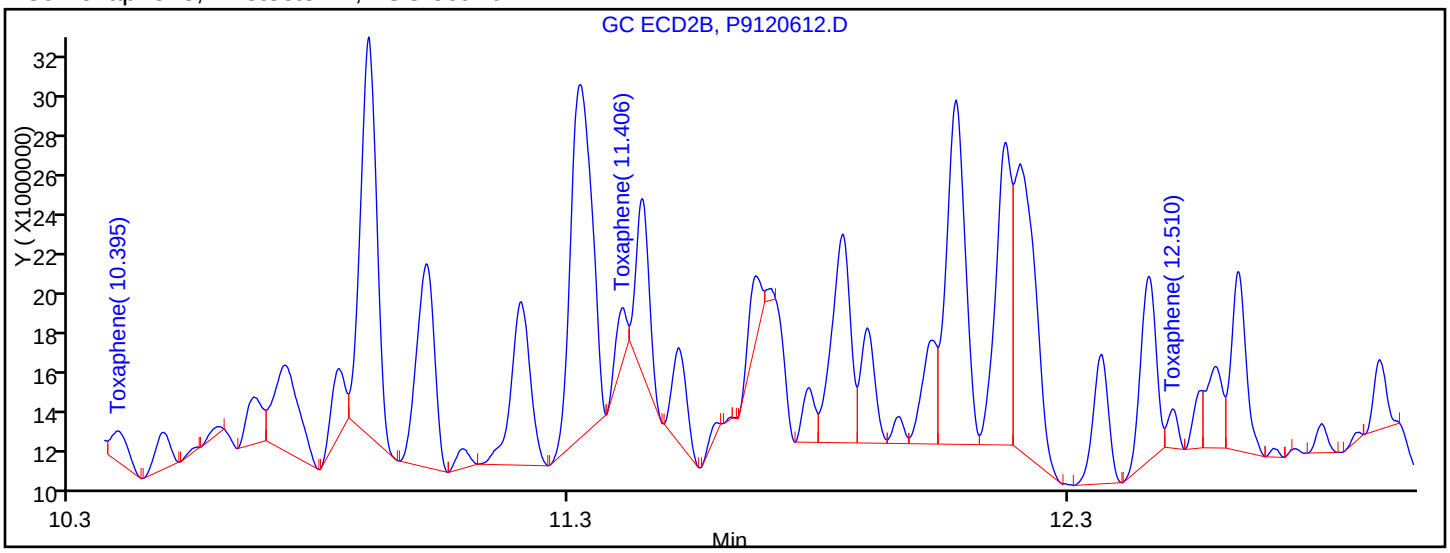
Report Date: 07-Dec-2012 10:25:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120612.D

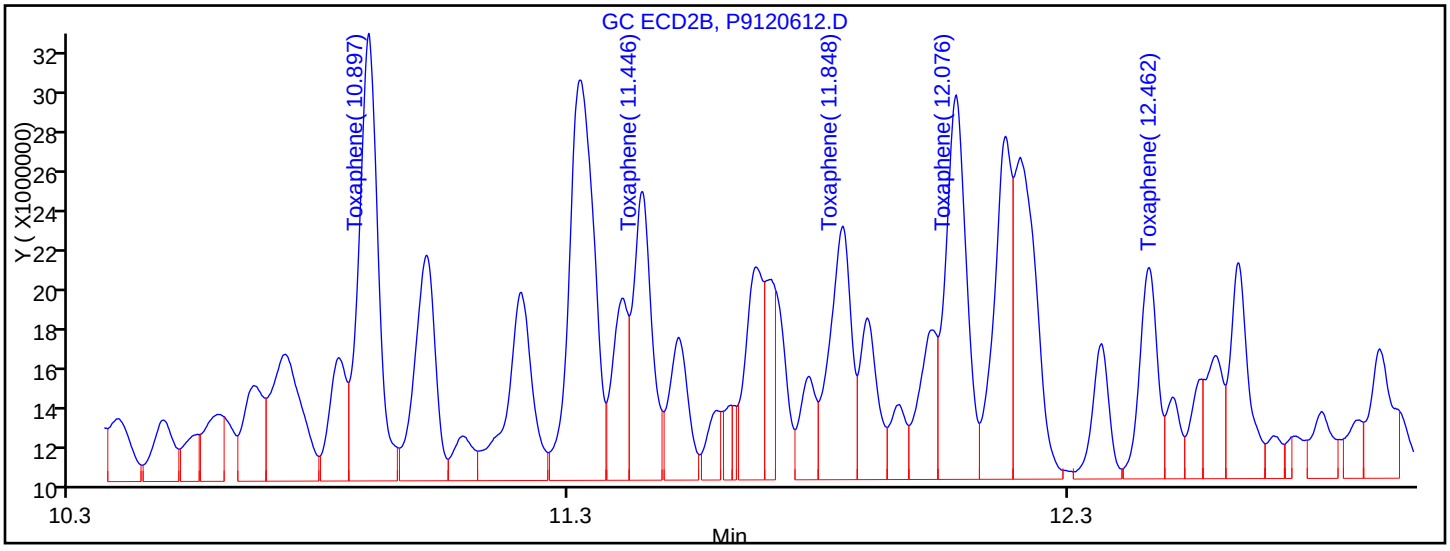
Injection Date:	06-Dec-2012 13:58:34	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.395	Response = 3466883	M
RT = 11.406	Response = 4179367	M
RT = 0.000	Response = 0	M
RT = 0.000	Response = 0	M
RT = 12.510	Response = 2689233	M



Manual Integration Results

RT = 10.897	Response = 58494491	M
RT = 11.446	Response = 36218341	M
RT = 11.848	Response = 37476403	M
RT = 12.076	Response = 54834322	M
RT = 12.462	Response = 25821970	M

Reviewer: vandorenc, 07-Dec-2012 07:38:30

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120613.D
Lims ID: STD TOX2 Client ID:
Inject. Date: 06-Dec-2012 14:24:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015581-013
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 67554 Lims Sample ID: 13
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:33 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:41:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.506	9.508	-0.002	38274185	0.5548		100.0	M
1	2	9.952	9.951	0.001	44122100	0.5162	105.5- 145.5	115.3	M
1	3	10.021	10.021	0.000	37490609	0.5082	90.3- 130.3	98.0	M
1	4	10.603	10.605	-0.002	53447826	0.5413	116.9- 156.9	139.6	M
1	5	11.169	11.170	-0.001	35262573	0.5542	64.5- 104.5	92.1	M
			Average of Peak Amounts =			0.5349			
2	100	10.899	10.898	0.001	123675963	0.4658		100.0	
2	2	11.447	11.448	-0.001	75183809	0.4530	43.7- 83.7	60.8	A
2	3	11.848	11.848	0.000	72454678	0.4225	45.7- 85.7	58.6	A
2	4	12.076	12.077	-0.001	108399435	0.4221	80.2- 120.2	87.6	A
2	5	12.464	12.464	0.000	44890815	0.3672	28.1- 68.1	36.3	A
			Average of Peak Amounts =			0.4261			
						RPD = 22.65			

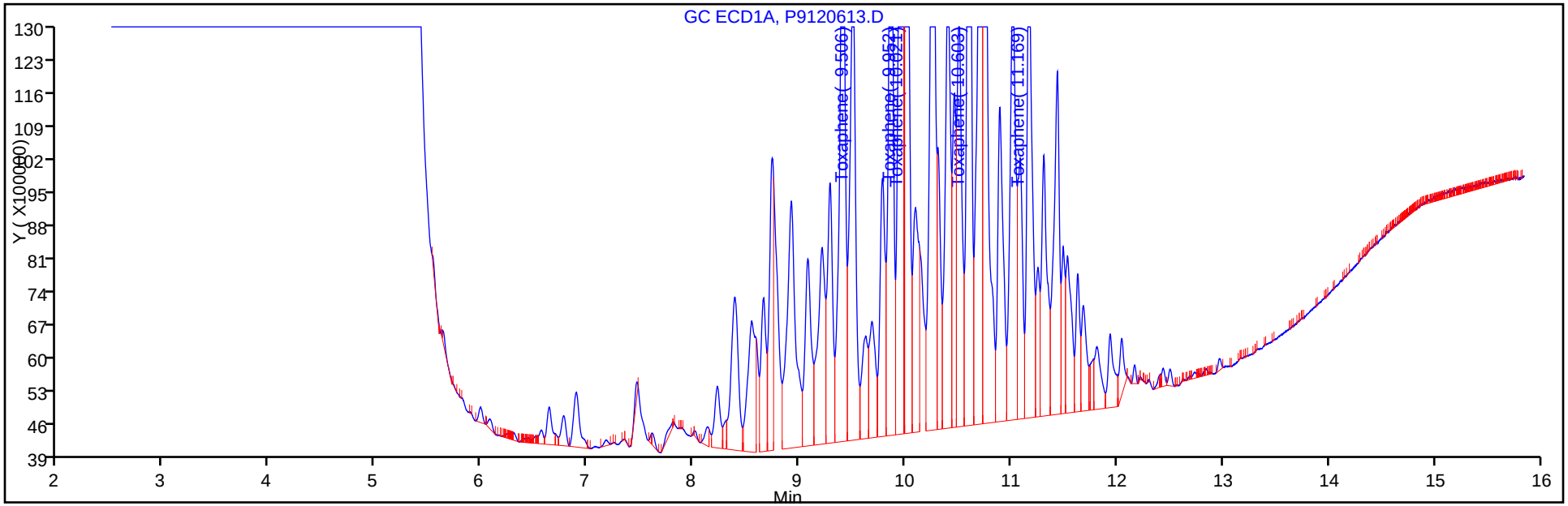
Report Date: 07-Dec-2012 10:25:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

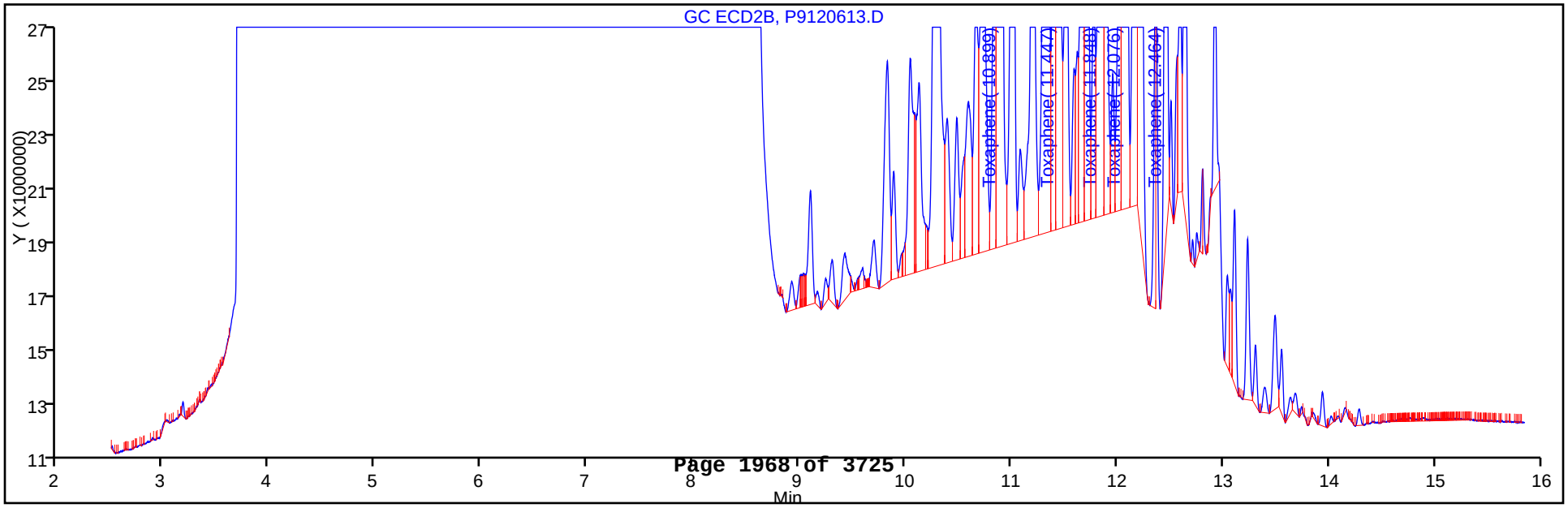
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120613.D

Injection Date:	06-Dec-2012 14:24:05	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120614.D
Lims ID: STD TOX3 Client ID:
Inject. Date: 06-Dec-2012 14:52:12 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015581-014
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 67554 Lims Sample ID: 14
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:35 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:45:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.508	9.508	0.000	62258278	0.9024		100.0	M
1	2	9.951	9.951	0.000	78150246	0.9144	105.5- 145.5	125.5	M
1	3	10.021	10.021	0.000	68653392	0.9307	90.3- 130.3	110.3	M
1	4	10.605	10.605	0.000	85217063	0.8630	116.9- 156.9	136.9	A
1	5	11.170	11.170	0.000	52584471	0.8265	64.5- 104.5	84.5	A
			Average of Peak Amounts =			0.8874			
2	100	10.898	10.898	0.000	269496535	1.02		100.0	
2	2	11.448	11.448	0.000	171680539	1.03	43.7- 83.7	63.7	A
2	3	11.848	11.848	0.000	176931653	1.03	45.7- 85.7	65.7	A
2	4	12.077	12.077	0.000	270000292	1.05	80.2- 120.2	100.2	A
2	5	12.464	12.464	0.000	129671979	1.06	28.1- 68.1	48.1	A
			Average of Peak Amounts =			1.04			
						RPD = 15.71			

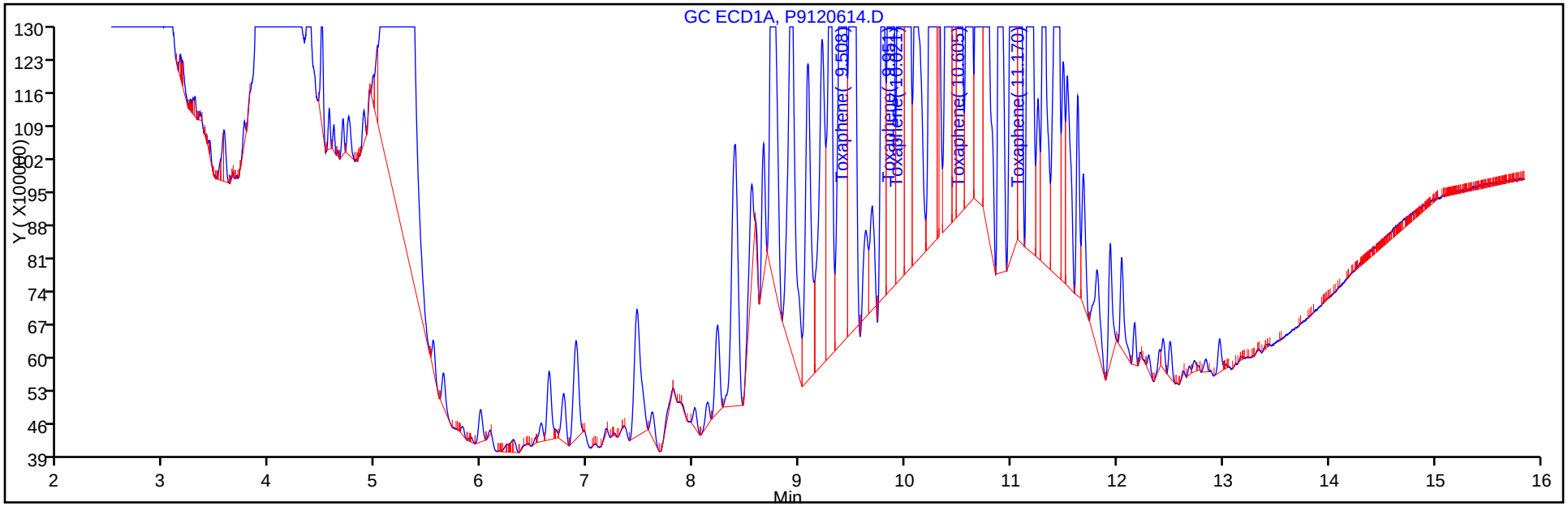
Report Date: 07-Dec-2012 10:25:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

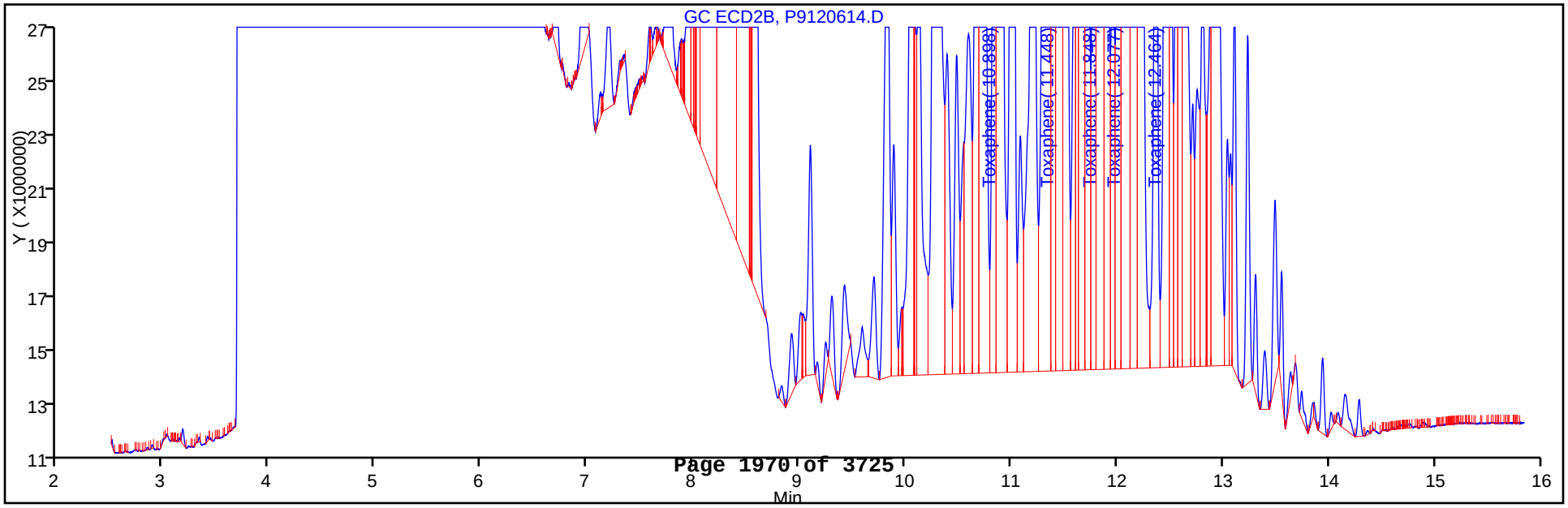
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120614.D

Injection Date:	06-Dec-2012 14:52:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120615.D
Lims ID: STD TOX4 Client ID:
Inject. Date: 06-Dec-2012 15:20:19 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015581-015
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 67554 Lims Sample ID: 15
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:37 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:46:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.508	9.508	0.000	141225982	2.05		100.0	
1	2	9.956	9.951	0.005	177649323	2.08	105.5- 145.5	125.8	
1	3	10.020	10.021	-0.001	154190096	2.09	90.3- 130.3	109.2	
1	4	10.604	10.605	-0.001	206269423	2.09	116.9- 156.9	146.1	
1	5	11.170	11.170	0.000	132772916	2.09	64.5- 104.5	94.0	
			Average of Peak Amounts =			2.08			
2	100	10.898	10.898	0.000	551056414	2.08		100.0	M
2	2	11.446	11.448	-0.002	343302433	2.07	43.7- 83.7	62.3	M
2	3	11.848	11.848	0.000	367855848	2.15	45.7- 85.7	66.8	M
2	4	12.077	12.077	0.000	547075527	2.13	80.2- 120.2	99.3	M
2	5	12.462	12.464	-0.002	277675164	2.27	28.1- 68.1	50.4	M
			Average of Peak Amounts =			2.14			
						RPD = 2.84			

QC Flag Legend

Review Flags
M - Manually Integrated

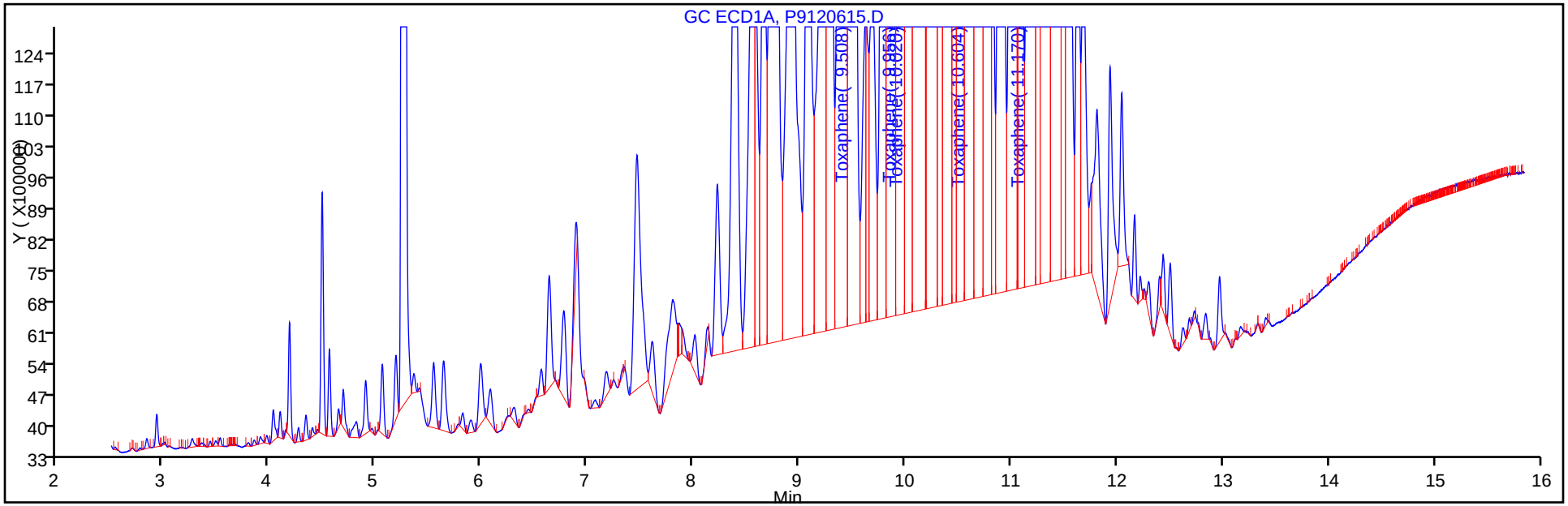
Report Date: 07-Dec-2012 10:25:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

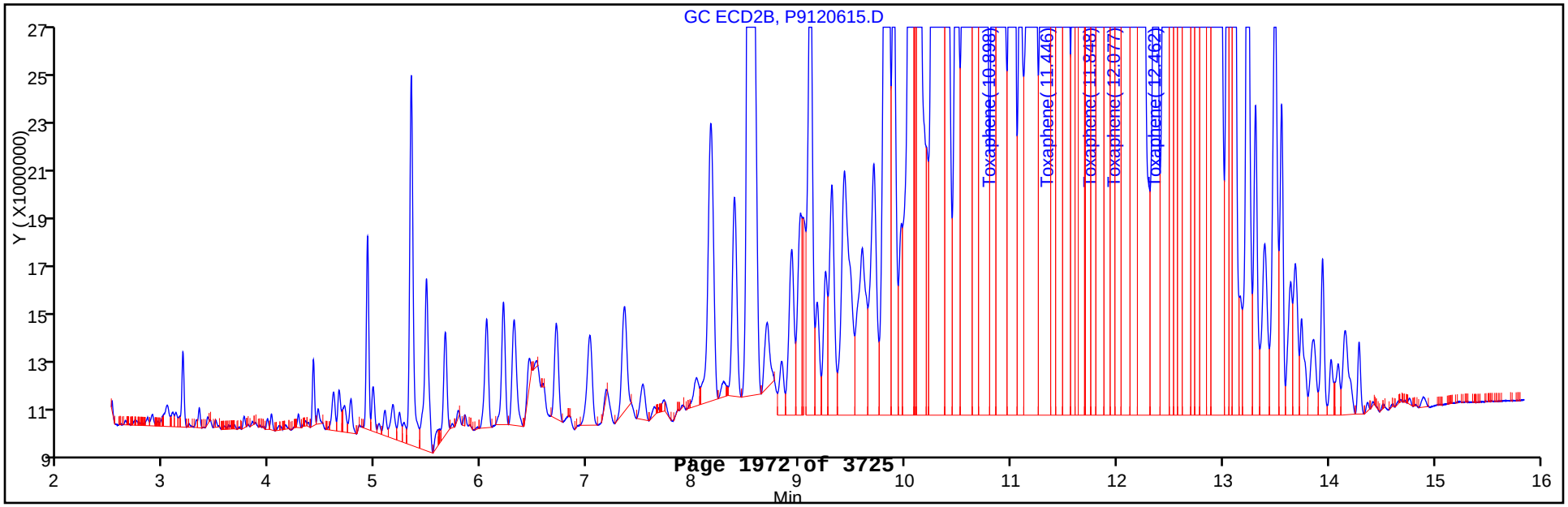
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120615.D

Injection Date:	06-Dec-2012 15:20:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



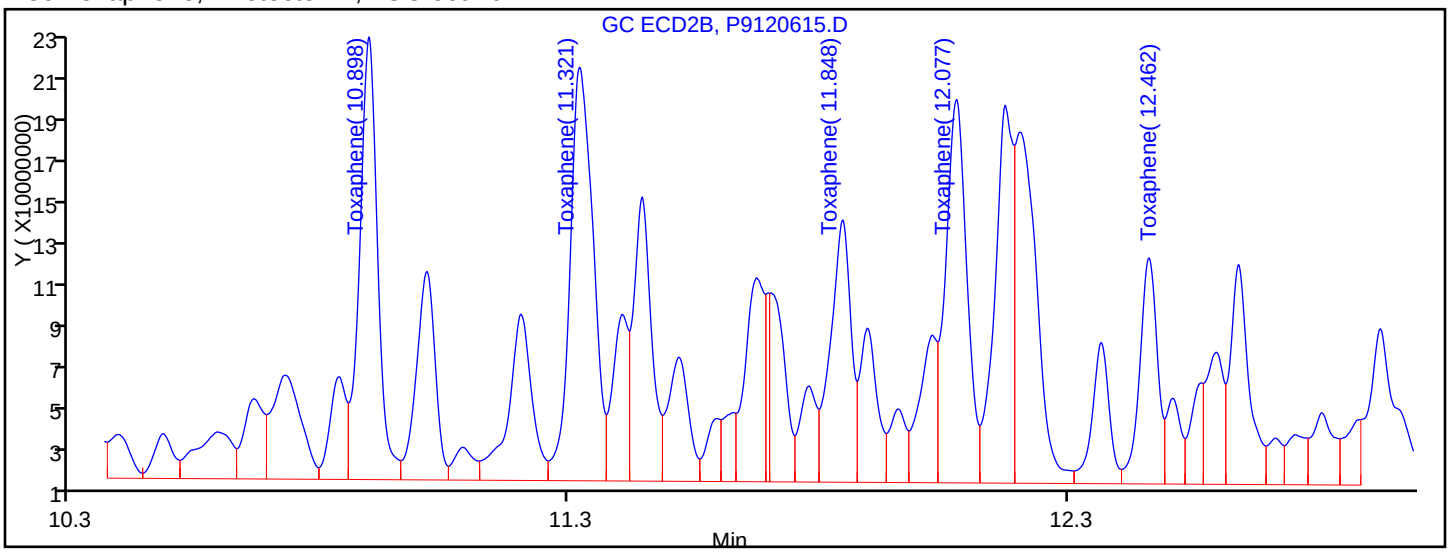
Report Date: 07-Dec-2012 10:25:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120615.D

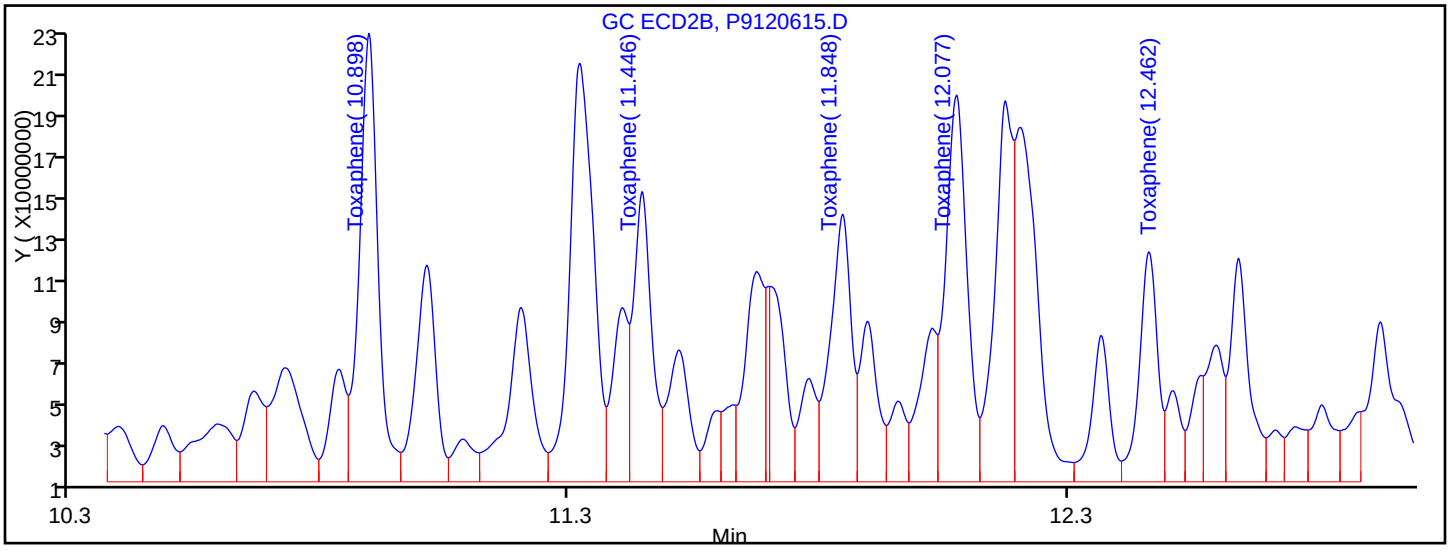
Injection Date:	06-Dec-2012 15:20:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.898	Response = 519328326	M
RT = 11.321	Response = 623613676	M
RT = 11.848	Response = 350232487	M
RT = 12.077	Response = 529312213	M
RT = 12.462	Response = 261874423	M



Manual Integration Results

RT = 10.898	Response = 551056414	M
RT = 11.446	Response = 343302433	M
RT = 11.848	Response = 367855848	M
RT = 12.077	Response = 547075527	M
RT = 12.462	Response = 277675164	M

Reviewer: vandorenc, 07-Dec-2012 07:46:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120616.D		
Lims ID:	STD TOX5	Client ID:	
Inject. Date:	06-Dec-2012 15:48:28	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015581-016		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	67554	Lims Sample ID:	16
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m		
Last Update:	07-Dec-2012 10:25:40	Calib Date:	06-Dec-2012 18:34:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:47:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.507	9.508	-0.001	320764328	4.65		100.0	
1	2	9.954	9.951	0.003	400093900	4.68	105.5- 145.5	124.7	
1	3	10.021	10.021	0.000	355384770	4.82	90.3- 130.3	110.8	
1	4	10.603	10.605	-0.002	466522531	4.72	116.9- 156.9	145.4	
1	5	11.170	11.170	0.000	315689490	4.96	64.5- 104.5	98.4	
			Average of Peak Amounts =			4.77			
2	100	10.899	10.898	0.001	1212888260	4.57		100.0	
2	2	11.447	11.448	-0.001	775615828	4.67	43.7- 83.7	63.9	A
2	3	11.849	11.848	0.001	821441819	4.79	45.7- 85.7	67.7	
2	4	12.075	12.077	-0.002	1247357220	4.86	80.2- 120.2	102.8	
2	5	12.463	12.464	-0.001	619488835	5.07	28.1- 68.1	51.1	
			Average of Peak Amounts =			4.79			
						RPD = 0.51			

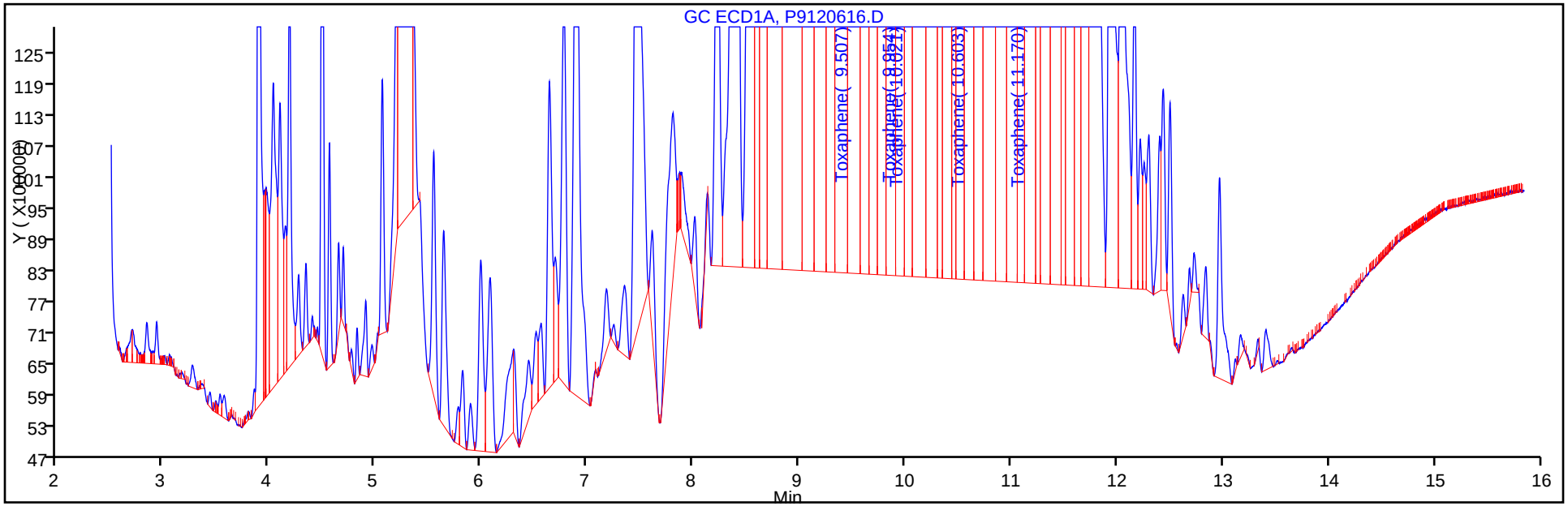
Report Date: 07-Dec-2012 10:25:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

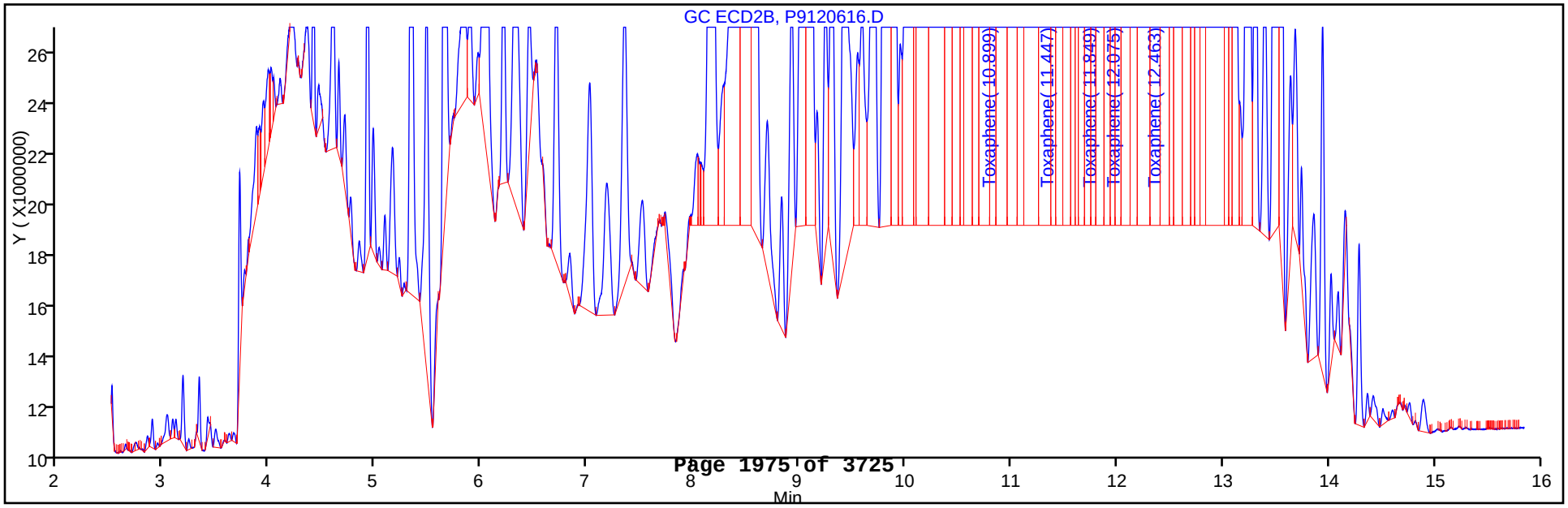
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120616.D

Injection Date:	06-Dec-2012 15:48:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	16
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13014

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-69893/5	P9122205.D
Level 2	STD 240-69893/6	P9122206.D
Level 3	STD 240-69893/7	P9122207.D
Level 4	STD 240-69893/8	P9122208.D
Level 5	STD 240-69893/9	P9122209.D
Level 6	STD 240-69893/10	P9122210.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.182	4.181	4.182	4.181	4.180	4.181					4.152 - 4.212	4.181
gamma-BHC (Lindane)	4.559	4.556	4.557	4.557	4.557	4.556					4.527 - 4.587	4.557
beta-BHC	4.691	4.688	4.689	4.690	4.688	4.688					4.659 - 4.719	4.689
delta-BHC	4.905	4.902	4.902	4.903	4.901	4.901					4.872 - 4.932	4.902
Heptachlor	5.185	5.182	5.183	5.183	5.182	5.182					5.148 - 5.218	5.183
Aldrin	5.636	5.633	5.633	5.633	5.633	5.633					5.603 - 5.663	5.634
Heptachlor epoxide	6.864	6.859	6.860	6.860	6.859	6.859					6.830 - 6.890	6.860
gamma-Chlordane	7.168	7.164	7.166	7.167	7.164	7.166					7.136 - 7.196	7.166
alpha-Chlordane	7.519	7.515	7.516	7.516	7.513	7.516					7.486 - 7.546	7.516
Endosulfan I	7.797	7.793	7.794	7.795	7.793	7.793					7.764 - 7.824	7.794
4,4'-DDE	7.902	7.899	7.899	7.896	7.896	7.896					7.869 - 7.929	7.898
Dieldrin	8.362	8.360	8.361	8.361	8.358	8.359					8.331 - 8.391	8.360
Endrin	8.820	8.819	8.818	8.819	8.818	8.817					8.788 - 8.848	8.819
4,4'-DDD	9.191	9.185	9.185	9.184	9.183	9.182					9.155 - 9.215	9.185
Endosulfan II	9.273	9.269	9.269	9.270	9.271	9.267					9.239 - 9.299	9.270
4,4'-DDT	9.709	9.705	9.706	9.708	9.704	9.706					9.676 - 9.736	9.706
Endrin aldehyde	10.068	10.065	10.065	10.067	10.065	10.065					10.035 - 10.095	10.066
Methoxychlor	10.664	10.660	10.659	10.659	10.658	10.656					10.629 - 10.689	10.659
Endosulfan sulfate	10.791	10.788	10.789	10.790	10.788	10.789					10.759 - 10.819	10.789
Endrin ketone	11.191	11.189	11.188	11.190	11.189	11.188					11.158 - 11.218	11.189
Tetrachloro-m-xylene	3.501	3.499	3.499	3.499	3.498	3.498					3.469 - 3.529	3.499
DCB Decachlorobiphenyl	12.802	12.801	12.802	12.800	12.800	12.801					12.772 - 12.832	12.801

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13014

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-69893/5	P9122205.D
Level 2	STD 240-69893/6	P9122206.D
Level 3	STD 240-69893/7	P9122207.D
Level 4	STD 240-69893/8	P9122208.D
Level 5	STD 240-69893/9	P9122209.D
Level 6	STD 240-69893/10	P9122210.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	3839716800 3818223650	3488684600 3840708835	3889024240	3982567560	Ave		3809820948				4.4		20.0			
gamma-BHC (Lindane)	3167027200 3087702660	2906343800 3181155535	3152465480	3198675960	Ave		3115561773				3.5		20.0			
beta-BHC	1486772600 1304205040	1307439700 1302221135	1352056160	1388087740	Ave		1356797063				5.3		20.0			
delta-BHC	3267766600 3442311240	3056045600 3435925600	3447441720	3605977520	Ave		3375911380				5.6		20.0			
Heptachlor	2867950200 2594526660	2724477100 2679002455	2796003520	2800988080	Ave		2743824669				3.6		20.0			
Aldrin	3899331600 3428876710	3378049900 3316308855	3634443160	3676625960	Ave		3555606031				6.2		20.0			
Heptachlor epoxide	2933378400 2567079080	2691231200 2601234880	2810001800	2724722040	Ave		2721274567				5.0		20.0			
gamma-Chlordane	3202120000 2975626770	2925314900 3062176015	3118688520	3095260680	Ave		3063197814				3.3		20.0			
alpha-Chlordane	3372705000 3048408380	3018639300 3106475915	3219372280	3182119100	Ave		3157953329				4.1		20.0			
Endosulfan I	2762502400 2413296620	2560137800 2444678325	2612908120	2558460400	Ave		2558663944				4.9		20.0			
4,4'-DDE	3558192200 3214665890	3110168000 3217641270	3323697960	3414697700	Ave		3306510503				4.9		20.0			
Dieldrin	2744709200 2581746380	2571566800 2615849000	2712655600	2703083340	Ave		2654935053				2.8		20.0			
Endrin	2605385400 2325550560	2448739900 2342236045	2503108920	2437704040	Ave		2443787478				4.3		20.0			
4,4'-DDD	1872060600 1888553900	1781206100 2004334645	1899783440	1895578400	Ave		1890252848				3.8		20.0			
Endosulfan II	2718501400 2381659030	2555348600 2398456965	2590656640	2514943420	Ave		2526594343				5.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13014

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	1757725600 1910777280	1725412100 2081806860	1905567000	1881273480	Ave		1877093720				6.8		20.0			
Endrin aldehyde	1930485000 1735564280	1848720700 1788379030	1900758000	1828234980	Ave		1838690332				3.9		20.0			
Methoxychlor	913632800 852580720	834322200 883590800	904641360	878509800	Ave		877879613				3.4		20.0			
Endosulfan sulfate	2330950600 2175085460	2160498100 2207148440	2297923880	2258796620	Ave		2238400517				3.1		20.0			
Endrin ketone	2518409200 2198987720	2344056900 2284246215	2401398640	2300994620	Ave		2341348883				4.7		20.0			
Tetrachloro-m-xylene	2975390400 2629432940	2632778800 2497974465	2788366280	2789259320	Ave		2718867034				6.1		20.0			
DCB Decachlorobiphenyl	2760238400 2420313980	2508622700 2506290295	2566090760	2554947140	Ave		2552750546				4.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13014

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-69893/5	P9122205.D
Level 2	STD 240-69893/6	P9122206.D
Level 3	STD 240-69893/7	P9122207.D
Level 4	STD 240-69893/8	P9122208.D
Level 5	STD 240-69893/9	P9122209.D
Level 6	STD 240-69893/10	P9122210.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	19198584 768141767	34886846	97225606	199128378	381822365	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	15835136 636231107	29063438	78811637	159933798	308770266	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	7433863 260444227	13074397	33801404	69404387	130420504	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	16338833 687185120	30560456	86186043	180298876	344231124	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	14339751 535800491	27244771	69900088	140049404	259452666	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	19496658 663261771	33780499	90861079	183831298	342887671	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	14666892 520246976	26912312	70250045	136236102	256707908	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	16010600 612435203	29253149	77967213	154763034	297562677	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	16863525 621295183	30186393	80484307	159105955	304840838	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	13812512 488935665	25601378	65322703	127923020	241329662	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	17790961 643528254	31101680	83092449	170734885	321466589	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	13723546 523169800	25715668	67816390	135154167	258174638	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	13026927 468447209	24487399	62577723	121885202	232555056	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	9360303 400866929	17812061	47494586	94778920	188855390	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	13592507 479691393	25553486	64766416	125747171	238165903	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	8788628 416361372	17254121	47639175	94063674	191077728	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13014

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	9652425 357675806	18487207	47518950	91411749	173556428	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	4568164 176718160	8343222	22616034	43925490	85258072	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	11654753 441429688	21604981	57448097	112939831	217508546	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	12592046 456849243	23440569	60034966	115049731	219898772	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	14876952 499594893	26327788	69709157	139462966	262943294	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	13801192 501258059	25086227	64152269	127747357	242031398	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122205.D
Lims ID: STD AB L1 Client ID:
Inject. Date: 22-Dec-2012 13:11:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0016122-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 69893 Lims Sample ID: 5
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:42 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 10:43:55

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.499	0.002	14876952	0.005472			
2	100	4.089	4.089	0.000	45380358	0.005171			
						RPD = 5.65			
5 alpha-BHC									
1	100	4.182	4.182	0.000	19198584	0.005039			
2	100	4.913	4.913	0.000	59493681	0.004515			
						RPD = 10.98			
20 gamma-BHC (Lindane)									
1	100	4.559	4.557	0.002	15835136	0.005083			
2	100	5.469	5.467	0.002	49879707	0.004782			
						RPD = 6.10			
7 beta-BHC									
1	100	4.691	4.689	0.002	7433863	0.005479			
2	100	5.645	5.643	0.002	23846980	0.005466			
						RPD = 0.23			
11 delta-BHC									
1	100	4.905	4.902	0.003	16338833	0.004840			
2	100	6.192	6.192	0.000	49410144	0.004552			
						RPD = 6.13			
22 Heptachlor									
1	100	5.185	5.183	0.002	14339751	0.005226			
2	100	6.290	6.289	0.001	46687197	0.005303			
						RPD = 1.45			
4 Aldrin									
1	100	5.636	5.633	0.003	19496658	0.005483			
2	100	7.006	7.005	0.001	56146408	0.005280			
						RPD = 3.77			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.864	6.860	0.004	14666892	0.005390			
2	100	8.492	8.492	0.000	44116721	0.005287			
						RPD = 1.92			
21 gamma-Chlordane									
1	100	7.168	7.166	0.002	16010600	0.005227			
2	100	8.920	8.919	0.001	46868464	0.005248			
						RPD = 0.40			
6 alpha-Chlordane									
1	100	7.519	7.516	0.003	16863525	0.005340			
2	100	9.233	9.232	0.001	47466433	0.005364			
						RPD = 0.45			
14 Endosulfan I									
1	100	7.797	7.794	0.003	13812512	0.005398			
2	100	9.293	9.294	-0.001	38111528	0.005343			
						RPD = 1.03			
2 4,4'-DDE									
1	100	7.902	7.899	0.003	17790961	0.005381			
2	100	9.695	9.694	0.001	45113319	0.005218			
						RPD = 3.06			
13 Dieldrin									
1	100	8.362	8.361	0.001	13723546	0.005169			
2	100	9.830	9.829	0.001	40887928	0.005156			
						RPD = 0.26			
17 Endrin									
1	100	8.820	8.818	0.002	13026927	0.005331			
2	100	10.353	10.351	0.002	36002396	0.005111			
						RPD = 4.21			
1 4,4'-DDD									
1	100	9.191	9.185	0.006	9360303	0.004952			
2	100	10.726	10.724	0.002	61449978	0.004961			
						RPD = 0.18			
15 Endosulfan II									
1	100	9.273	9.269	0.004	13592507	0.005380			
2	100	10.726	10.724	0.002	61449978	0.004961			
						RPD = 8.10			
3 4,4'-DDT									
1	100	9.709	9.706	0.003	8788628	0.004682			
2	100	11.210	11.209	0.001	21588831	0.004627			
						RPD = 1.18			
18 Endrin aldehyde									
1	100	10.068	10.065	0.003	9652425	0.005250			
2	100	11.297	11.297	0.000	27719699	0.005278			
						RPD = 0.54			
27 Methoxychlor									M
1	100	10.664	10.659	0.005	4568164	0.005204			M
2	100	12.291	12.288	0.003	11707426	0.005067			
						RPD = 2.65			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									M
1	100	10.791	10.789	0.002	11654753	0.005207			M
2	100	11.731	11.730	0.001	31049046	0.004886			
						RPD = 6.35			
19 Endrin ketone									
1	100	11.191	11.188	0.003	12592046	0.005378			
2	100	12.468	12.467	0.001	31911339	0.005103			
						RPD = 5.25			
$ 10 DCB Decachlorobiphenyl									
1	100	12.802	12.802	0.000	13801192	0.005406			
2	100	14.246	14.247	-0.001	35638927	0.005246			
						RPD = 3.00			

QC Flag Legend

Review Flags
M - Manually Integrated

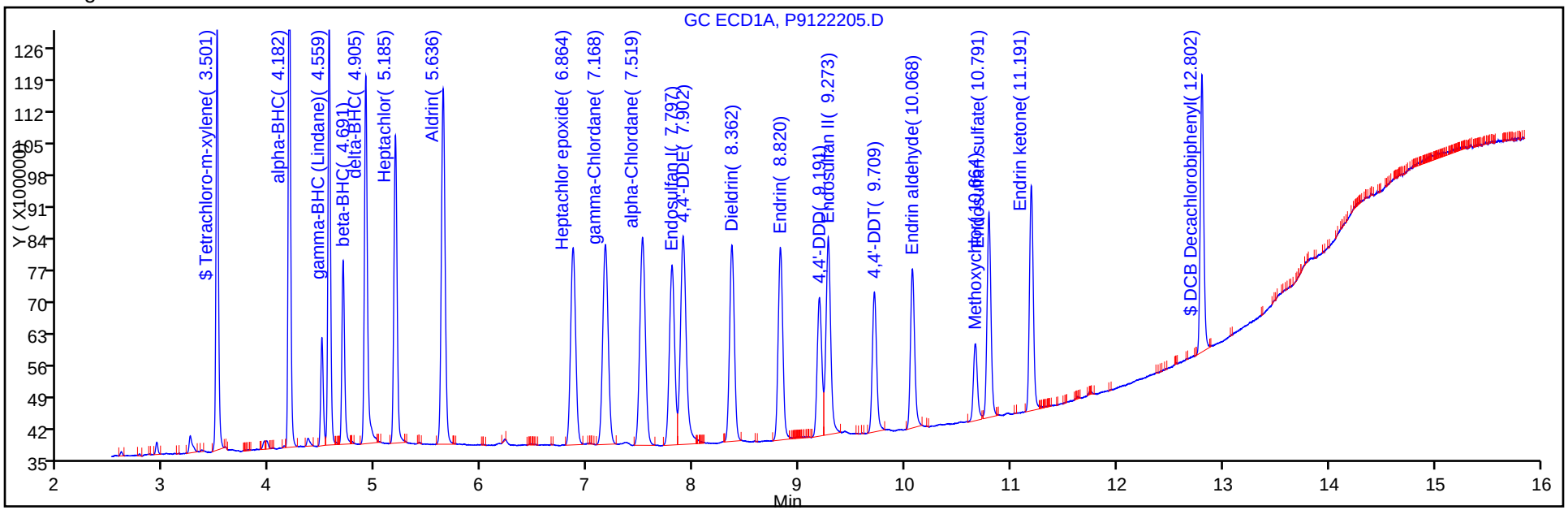
Report Date: 31-Dec-2012 10:57:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

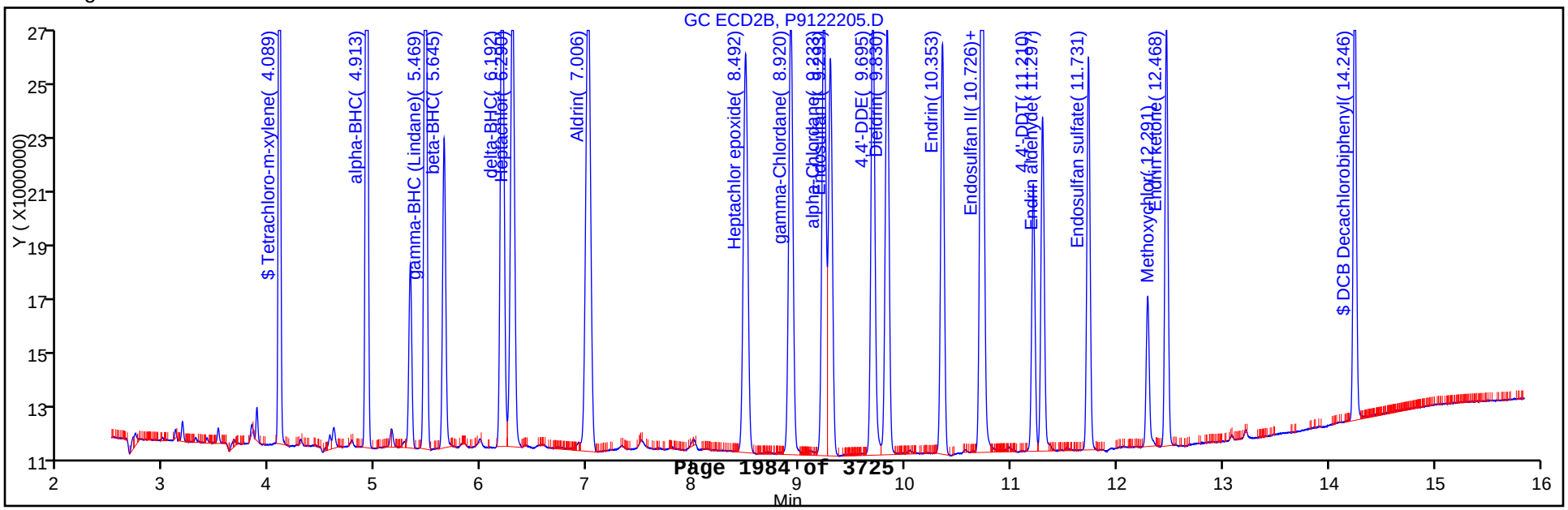
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122205.D

Injection Date:	22-Dec-2012 13:11:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

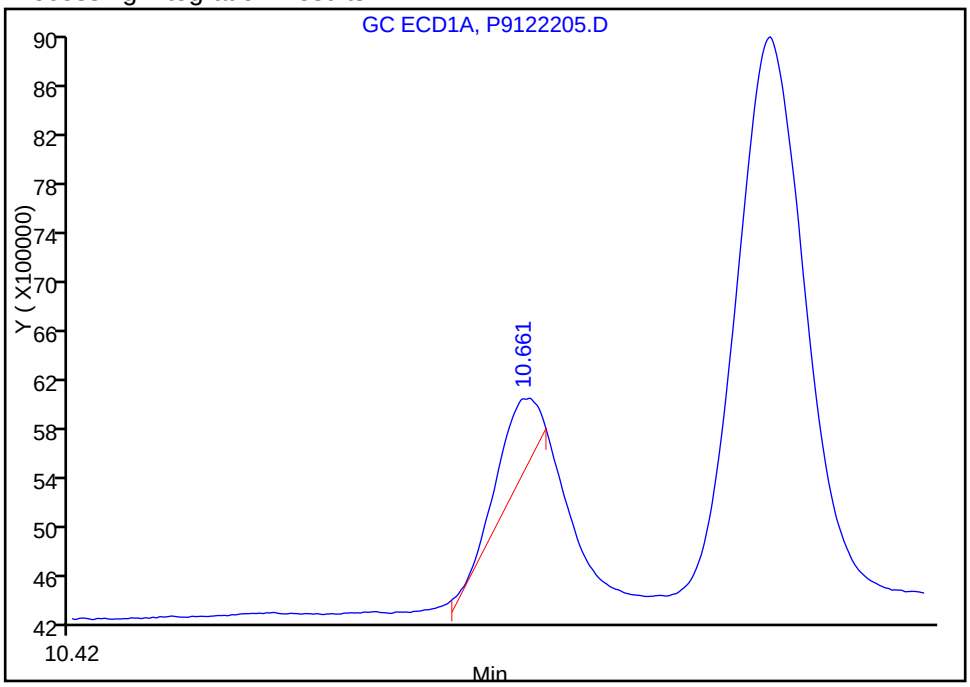
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122205.D		
Injection Date:	22-Dec-2012 13:11:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

27 Methoxychlor, Signal: 1, Type: quant, RT: 10.66, Det: GC ECD1A

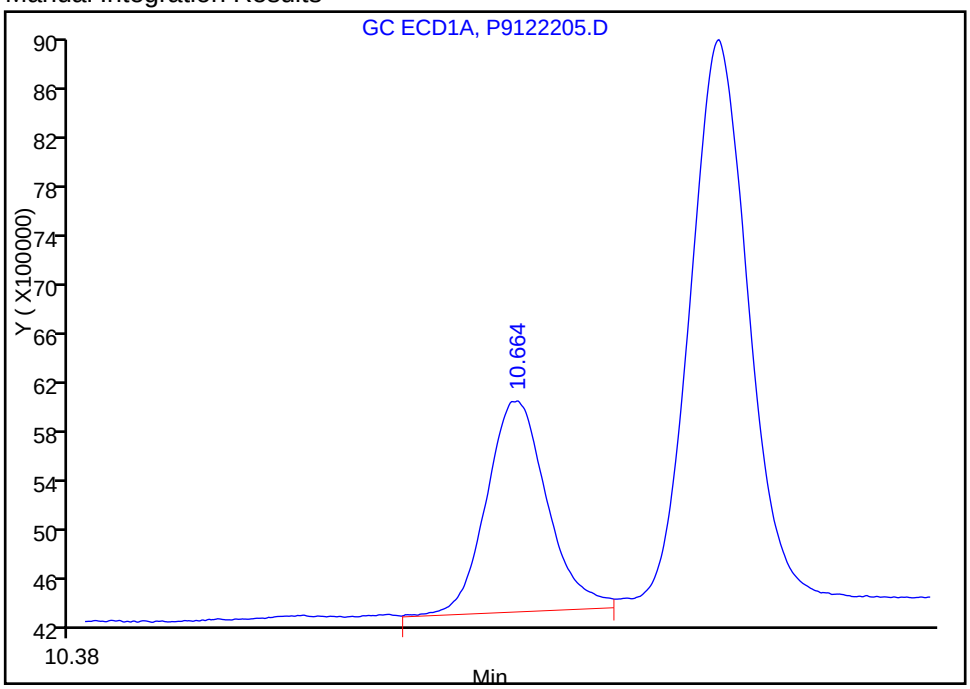
Processing Integration Results

RT: 10.66
Response: 904009
Amount: 0.001196



Manual Integration Results

RT: 10.66
Response: 4568164
Amount: 0.005204



Reviewer: vandorenc, 31-Dec-2012 10:43:55
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

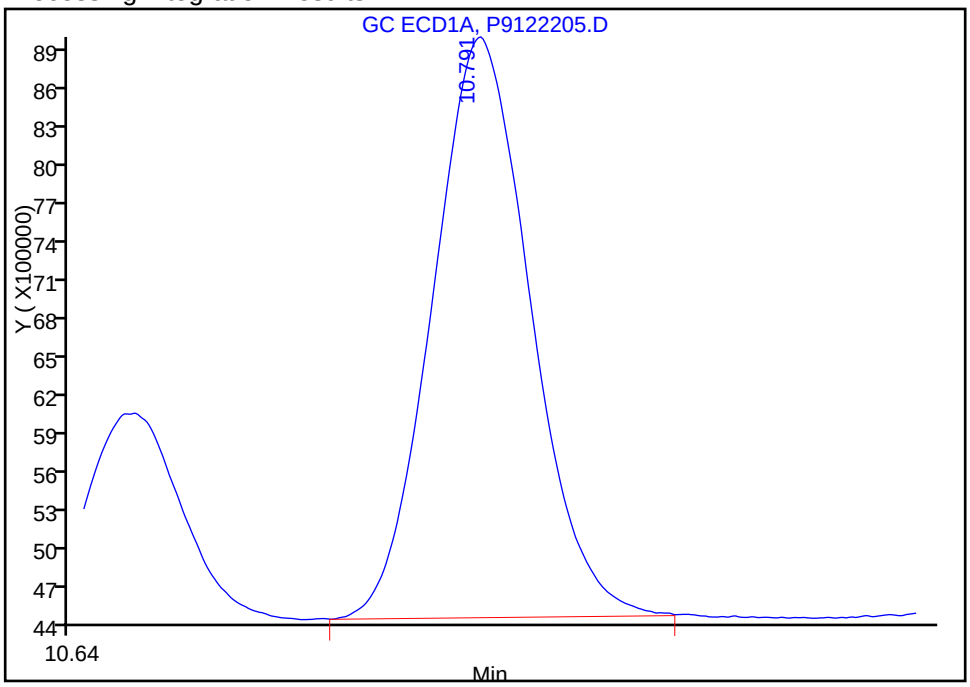
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122205.D		
Injection Date:	22-Dec-2012 13:11:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

16 Endosulfan sulfate, Signal: 1, Type: quant, RT: 10.79, Det: GC ECD1A

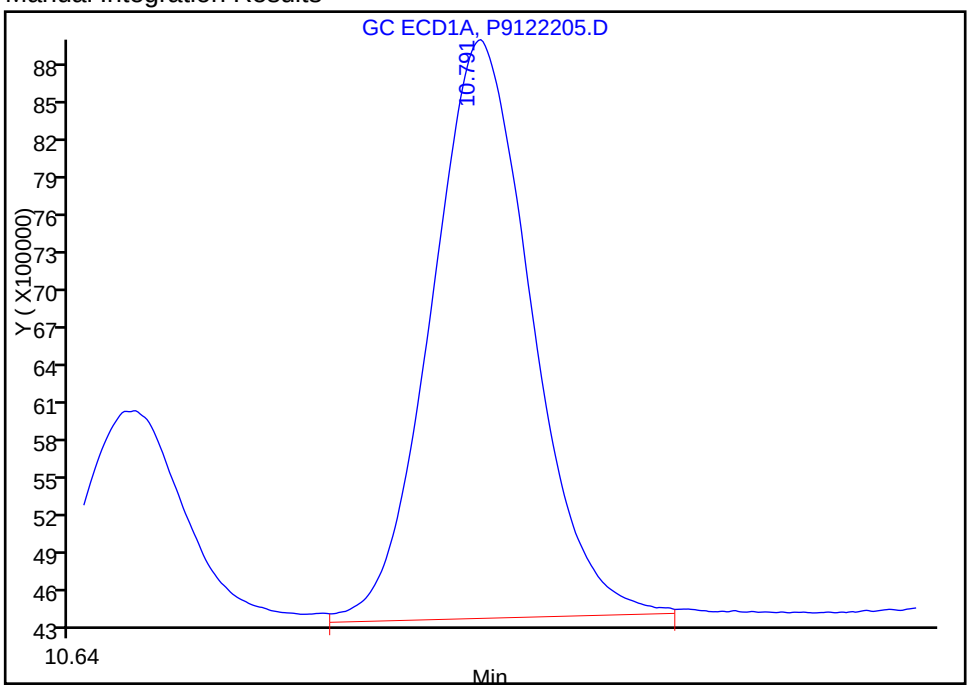
Processing Integration Results

RT: 10.79
Response: 11312240
Amount: 0.005080



Manual Integration Results

RT: 10.79
Response: 11654753
Amount: 0.005207



Reviewer: vandorenc, 31-Dec-2012 10:43:55
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122206.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 22-Dec-2012 13:36:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0016122-006
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 69893 Lims Sample ID: 6
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:45 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	26327788	0.009683			
2	100	4.089	4.089	0.000	79131320	0.009017			
						RPD = 7.12			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	34886846	0.009157			
2	100	4.913	4.913	0.000	108117927	0.008205			
						RPD = 10.97			
20 gamma-BHC (Lindane)									
1	100	4.556	4.557	-0.001	29063438	0.009328			
2	100	5.468	5.467	0.001	91237834	0.008747			
						RPD = 6.43			
7 beta-BHC									
1	100	4.688	4.689	-0.001	13074397	0.009636			
2	100	5.644	5.643	0.001	41558513	0.009526			
						RPD = 1.15			
11 delta-BHC									
1	100	4.902	4.902	0.000	30560456	0.009053			
2	100	6.193	6.192	0.001	91941241	0.008470			
						RPD = 6.65			
22 Heptachlor									
1	100	5.182	5.183	-0.001	27244771	0.0099			
2	100	6.289	6.289	0.000	85557872	0.009718			
						RPD = 2.16			
4 Aldrin									
1	100	5.633	5.633	0.000	33780499	0.009501			
2	100	7.004	7.005	-0.001	96036641	0.009032			
						RPD = 5.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.859	6.860	-0.001	26912312	0.009890			
2	100	8.491	8.492	-0.001	79756447	0.009559			
						RPD = 3.40			
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	29253149	0.009550			
2	100	8.919	8.919	0.000	81732580	0.009151			
						RPD = 4.26			
6 alpha-Chlordane									
1	100	7.515	7.516	-0.001	30186393	0.009559			
2	100	9.231	9.232	-0.001	81770641	0.009241			
						RPD = 3.38			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	25601378	0.0100			
2	100	9.294	9.294	0.000	69719809	0.009774			
						RPD = 2.34			
2 4,4'-DDE									
1	100	7.899	7.899	0.000	31101680	0.009406			
2	100	9.695	9.694	0.001	77953252	0.009017			
						RPD = 4.22			
13 Dieldrin									
1	100	8.360	8.361	-0.001	25715668	0.009686			
2	100	9.829	9.829	0.000	74704321	0.009420			
						RPD = 2.79			
17 Endrin									
1	100	8.819	8.818	0.001	24487399	0.0100			
2	100	10.351	10.351	0.000	66989765	0.009510			
						RPD = 5.23			
1 4,4'-DDD									
1	100	9.185	9.185	0.000	17812061	0.009423			
2	100	10.724	10.724	0.000	114833998	0.009271			
						RPD = 1.63			
15 Endosulfan II									
1	100	9.269	9.269	0.000	25553486	0.0101			
2	100	10.724	10.724	0.000	114833998	0.009271			
						RPD = 8.70			
3 4,4'-DDT									
1	100	9.705	9.706	-0.001	17254121	0.009192			
2	100	11.209	11.209	0.000	40682243	0.008720			
						RPD = 5.27			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	18487207	0.0101			
2	100	11.297	11.297	0.000	50472262	0.009610			
						RPD = 4.52			
27 Methoxychlor									
1	100	10.660	10.659	0.001	8343222	0.009504			
2	100	12.289	12.288	0.001	22271242	0.009640			
						RPD = 1.42			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.788	10.789	-0.001	21604981	0.009652			
2	100	11.730	11.730	0.000	57795628	0.009096			
						RPD = 5.94			
19 Endrin ketone									
1	100	11.189	11.188	0.001	23440569	0.0100			
2	100	12.467	12.467	0.000	59485799	0.009512			
						RPD = 5.12			
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.802	-0.001	25086227	0.009827			
2	100	14.246	14.247	-0.001	62654026	0.009223			
						RPD = 6.34			

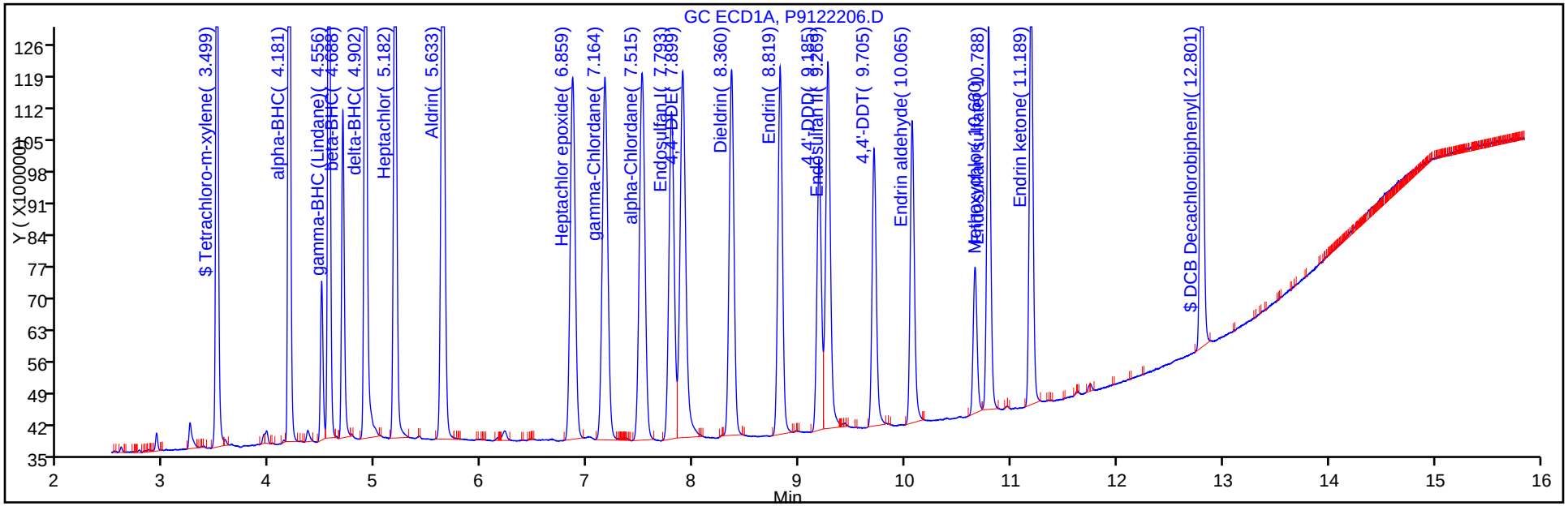
Report Date: 31-Dec-2012 10:57:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

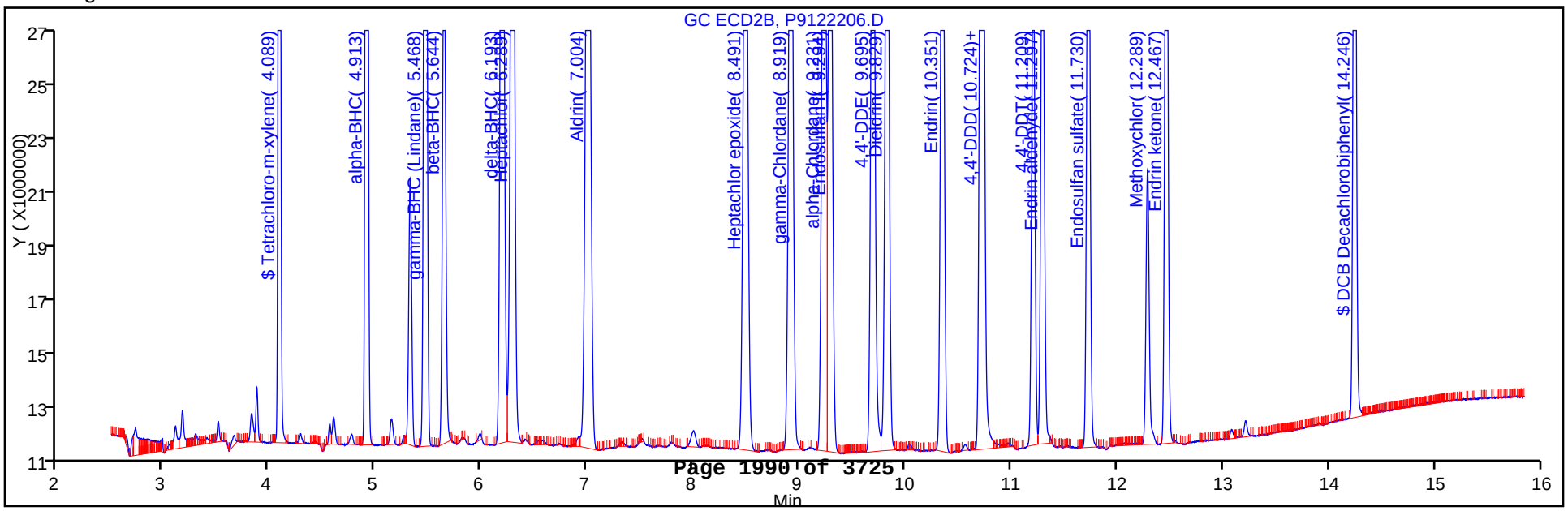
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122206.D

Injection Date:	22-Dec-2012 13:36:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122207.D
Lims ID: STD AB L3 Client ID:
Inject. Date: 22-Dec-2012 14:00:36 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 3
Sample ID: 240-0016122-007
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 69893 Lims Sample ID: 7
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:47 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	69709157	0.0256			
2	100	4.089	4.089	0.000	213055108	0.0243			
						RPD = 5.45			
5 alpha-BHC									
1	100	4.182	4.182	0.000	97225606	0.0255			
2	100	4.913	4.913	0.000	308826216	0.0234			
						RPD = 8.51			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	78811637	0.0253			
2	100	5.467	5.467	0.000	248326236	0.0238			
						RPD = 6.07			
7 beta-BHC									
1	100	4.689	4.689	0.000	33801404	0.0249			
2	100	5.643	5.643	0.000	107046996	0.0245			
						RPD = 1.51			
11 delta-BHC									
1	100	4.902	4.902	0.000	86186043	0.0255			
2	100	6.192	6.192	0.000	257325928	0.0237			
						RPD = 7.41			
22 Heptachlor									
1	100	5.183	5.183	0.000	69900088	0.0255			
2	100	6.289	6.289	0.000	211681542	0.0240			
						RPD = 5.79			
4 Aldrin									
1	100	5.633	5.633	0.000	90861079	0.0256			
2	100	7.005	7.005	0.000	256850215	0.0242			
						RPD = 5.62			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	70250045	0.0258			
2	100	8.492	8.492	0.000	204907789	0.0246			
						RPD = 4.99			
21 gamma-Chlordane									
1	100	7.166	7.166	0.000	77967213	0.0255			
2	100	8.919	8.919	0.000	215120969	0.0241			
						RPD = 5.52			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	80484307	0.0255			
2	100	9.232	9.232	0.000	213333957	0.0241			
						RPD = 5.55			
14 Endosulfan I									
1	100	7.794	7.794	0.000	65322703	0.0255			
2	100	9.294	9.294	0.000	172923071	0.0242			
						RPD = 5.17			
2 4,4'-DDE									
1	100	7.899	7.899	0.000	83092449	0.0251			
2	100	9.694	9.694	0.000	204863696	0.0237			
						RPD = 5.87			
13 Dieldrin									
1	100	8.361	8.361	0.000	67816390	0.0255			
2	100	9.829	9.829	0.000	191764710	0.0242			
						RPD = 5.48			
17 Endrin									
1	100	8.818	8.818	0.000	62577723	0.0256			
2	100	10.351	10.351	0.000	171226444	0.0243			
						RPD = 5.21			
1 4,4'-DDD									
1	100	9.185	9.185	0.000	47494586	0.0251			
2	100	10.724	10.724	0.000	300502115	0.0243			
						RPD = 3.51			
15 Endosulfan II									
1	100	9.269	9.269	0.000	64766416	0.0256			
2	100	10.724	10.724	0.000	300502115	0.0243			
						RPD = 5.51			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	47639175	0.0254			
2	100	11.209	11.209	0.000	111228775	0.0238			
						RPD = 6.25			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	47518950	0.0258			
2	100	11.297	11.297	0.000	128695915	0.0245			
						RPD = 5.32			
27 Methoxychlor									
1	100	10.659	10.659	0.000	22616034	0.0258			
2	100	12.288	12.288	0.000	57766626	0.0250			
						RPD = 2.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.789	10.789	0.000	57448097	0.0257			
2	100	11.730	11.730	0.000	151291302	0.0238			
						RPD = 7.50			
19 Endrin ketone									
1	100	11.188	11.188	0.000	60034966	0.0256			
2	100	12.467	12.467	0.000	153508243	0.0245			
						RPD = 4.36			
$ 10 DCB Decachlorobiphenyl									
1	100	12.802	12.802	0.000	64152269	0.0251			
2	100	14.247	14.247	0.000	156739690	0.0231			
						RPD = 8.53			

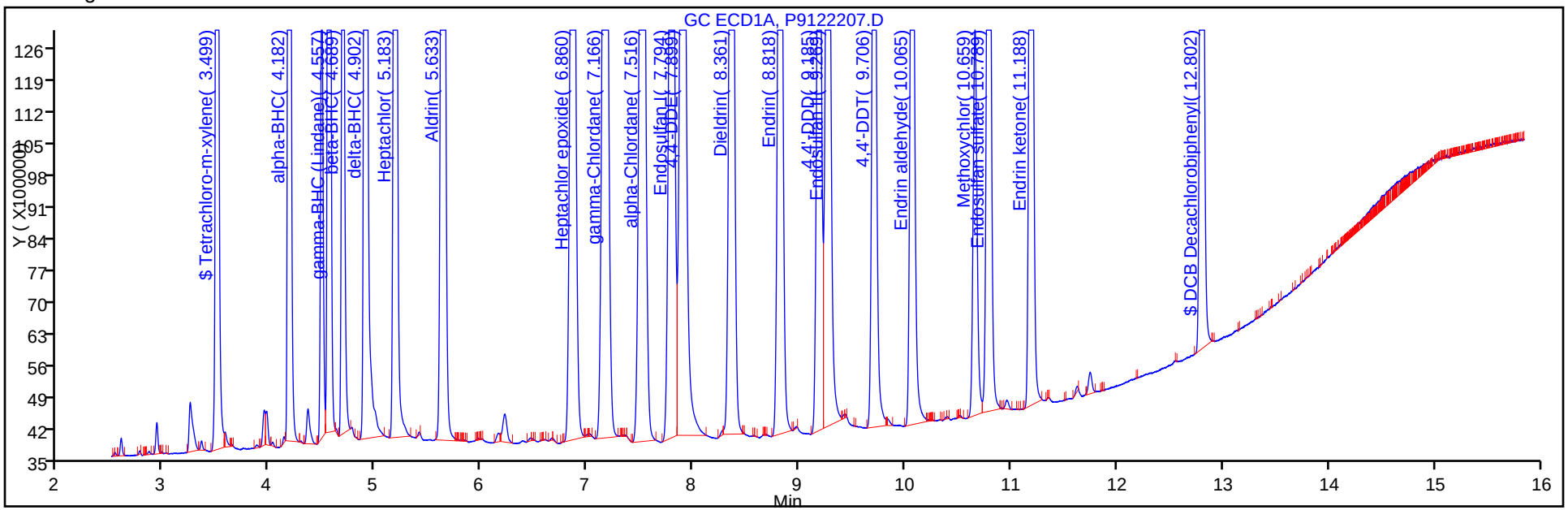
Report Date: 31-Dec-2012 10:57:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

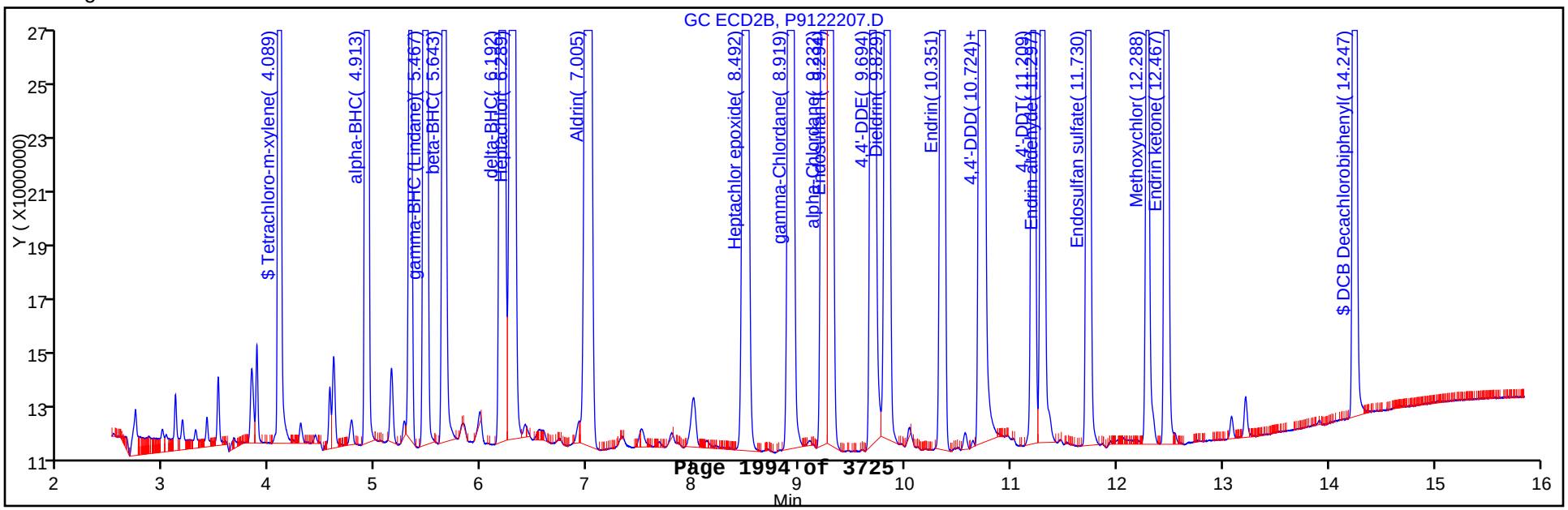
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122207.D

Injection Date:	22-Dec-2012 14:00:36	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122208.D
Lims ID: STD AB L4 Client ID:
Inject. Date: 22-Dec-2012 14:25:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0016122-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 69893 Lims Sample ID: 8
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:50 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	139462966	0.0513			
2	100	4.089	4.089	0.000	448233184	0.0511			
						RPD = 0.42			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	199128378	0.0523			
2	100	4.913	4.913	0.000	680587365	0.0516			
						RPD = 1.19			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	159933798	0.0513			
2	100	5.468	5.467	0.001	524627836	0.0503			
						RPD = 2.04			
7 beta-BHC									
1	100	4.690	4.689	0.001	69404387	0.0512			
2	100	5.644	5.643	0.001	213264607	0.0489			
						RPD = 4.53			
11 delta-BHC									
1	100	4.903	4.902	0.001	180298876	0.0534			
2	100	6.191	6.192	-0.001	560607394	0.0516			
						RPD = 3.35			
22 Heptachlor									
1	100	5.183	5.183	0.000	140049404	0.0510			
2	100	6.290	6.289	0.001	433309568	0.0492			
						RPD = 3.64			
4 Aldrin									
1	100	5.633	5.633	0.000	183831298	0.0517			
2	100	7.005	7.005	0.000	543364941	0.0511			
						RPD = 1.17			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	136236102	0.0501			
2	100	8.492	8.492	0.000	410586360	0.0492			
						RPD = 1.72			
21 gamma-Chlordane									
1	100	7.167	7.166	0.001	154763034	0.0505			
2	100	8.920	8.919	0.001	443834536	0.0497			
						RPD = 1.66			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	159105955	0.0504			
2	100	9.232	9.232	0.000	435205659	0.0492			
						RPD = 2.41			
14 Endosulfan I									
1	100	7.795	7.794	0.001	127923020	0.0500			
2	100	9.293	9.294	-0.001	352271817	0.0494			
						RPD = 1.23			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	170734885	0.0516			
2	100	9.693	9.694	-0.001	438712389	0.0507			
						RPD = 1.74			
13 Dieldrin									
1	100	8.361	8.361	0.000	135154167	0.0509			
2	100	9.830	9.829	0.001	397984159	0.0502			
						RPD = 1.43			
17 Endrin									
1	100	8.819	8.818	0.001	121885202	0.0499			
2	100	10.351	10.351	0.000	347339248	0.0493			
						RPD = 1.15			
1 4,4'-DDD									
1	100	9.184	9.185	-0.001	94778920	0.0501			
2	100	10.723	10.724	-0.001	612304510	0.0494			
						RPD = 1.42			
15 Endosulfan II									
1	100	9.270	9.269	0.001	125747171	0.0498			
2	100	10.723	10.724	-0.001	612304510	0.0494			
						RPD = 0.68			
3 4,4'-DDT									
1	100	9.708	9.706	0.002	94063674	0.0501			
2	100	11.209	11.209	0.000	230209879	0.0493			
						RPD = 1.55			
18 Endrin aldehyde									
1	100	10.067	10.065	0.002	91411749	0.0497			
2	100	11.296	11.297	-0.001	255677197	0.0487			
						RPD = 2.10			
27 Methoxychlor									
1	100	10.659	10.659	0.000	43925490	0.0500			
2	100	12.288	12.288	0.000	112475652	0.0487			
						RPD = 2.74			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.790	10.789	0.001	112939831	0.0505			
2	100	11.730	11.730	0.000	311526171	0.0490			
						RPD = 2.87			
19 Endrin ketone									
1	100	11.190	11.188	0.002	115049731	0.0491			
2	100	12.466	12.467	-0.001	304805373	0.0487			
						RPD = 0.81			
$ 10 DCB Decachlorobiphenyl									
1	100	12.800	12.802	-0.002	127747357	0.0500			
2	100	14.245	14.247	-0.002	331430382	0.0488			
						RPD = 2.54			

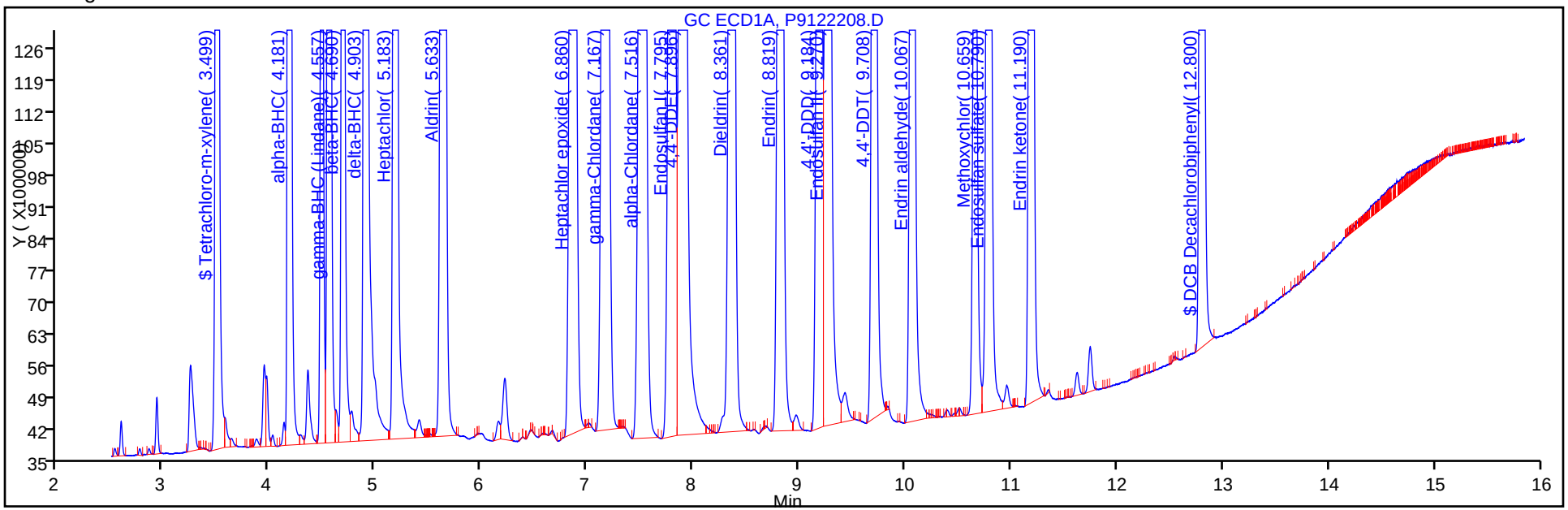
Report Date: 31-Dec-2012 10:57:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

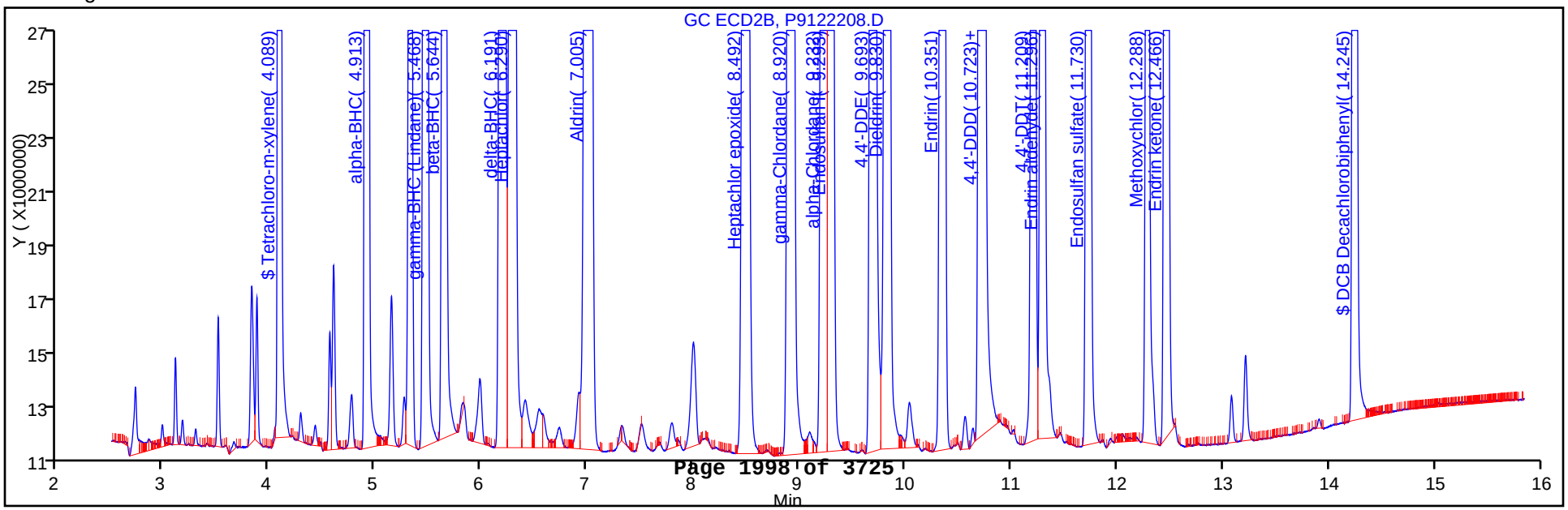
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122208.D

Injection Date:	22-Dec-2012 14:25:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122209.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 22-Dec-2012 14:49:15 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0016122-009
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 69893 Lims Sample ID: 9
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:52 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.499	-0.001	262943294	0.0967			
2	100	4.088	4.089	-0.001	879316557	0.1002			
						RPD = 3.55			
5 alpha-BHC									
1	100	4.180	4.182	-0.002	381822365	0.1002			
2	100	4.913	4.913	0.000	1395374427	0.1059			
						RPD = 5.50			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	308770266	0.0991			
2	100	5.467	5.467	0.000	1056831643	0.1013			
						RPD = 2.21			
7 beta-BHC									
1	100	4.688	4.689	-0.001	130420504	0.0961			
2	100	5.643	5.643	0.000	412268220	0.0945			
						RPD = 1.70			
11 delta-BHC									
1	100	4.901	4.902	-0.001	344231124	0.1020			
2	100	6.192	6.192	0.000	1139357612	0.1050			
						RPD = 2.90			
22 Heptachlor									
1	100	5.182	5.183	-0.001	259452666	0.0946			
2	100	6.290	6.289	0.001	832326654	0.0945			
						RPD = 0.02			
4 Aldrin									
1	100	5.633	5.633	0.000	342887671	0.0964			
2	100	7.003	7.005	-0.002	1055509587	0.0993			
						RPD = 2.90			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.859	6.860	-0.001	256707908	0.0943			
2	100	8.492	8.492	0.000	803900629	0.0963			
						RPD = 2.11			
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	297562677	0.0971			
2	100	8.918	8.919	-0.001	872214824	0.0977			
						RPD = 0.53			
6 alpha-Chlordane									
1	100	7.513	7.516	-0.003	304840838	0.0965			
2	100	9.231	9.232	-0.001	861233697	0.0973			
						RPD = 0.82			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	241329662	0.0943			
2	100	9.292	9.294	-0.002	676491548	0.0948			
						RPD = 0.55			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	321466589	0.0972			
2	100	9.693	9.694	-0.001	860277310	0.0995			
						RPD = 2.33			
13 Dieldrin									
1	100	8.358	8.361	-0.003	258174638	0.0972			
2	100	9.828	9.829	-0.001	775666861	0.0978			
						RPD = 0.58			
17 Endrin									
1	100	8.818	8.818	0.000	232555056	0.0952			
2	100	10.351	10.351	0.000	689393313	0.0979			
						RPD = 2.80			
1 4,4'-DDD									
1	100	9.183	9.185	-0.002	188855390	0.0999			
2	100	10.723	10.724	-0.001	1230378009	0.0993			
						RPD = 0.58			
15 Endosulfan II									
1	100	9.271	9.269	0.002	238165903	0.0943			
2	100	10.723	10.724	-0.001	1230378009	0.0993			
						RPD = 5.23			
3 4,4'-DDT									
1	100	9.704	9.706	-0.002	191077728	0.1018			
2	100	11.208	11.209	-0.001	480152385	0.1029			
						RPD = 1.09			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	173556428	0.0944			
2	100	11.297	11.297	0.000	503014635	0.0958			
						RPD = 1.46			
27 Methoxychlor									
1	100	10.658	10.659	-0.001	85258072	0.0971			
2	100	12.288	12.288	0.000	222930875	0.0965			
						RPD = 0.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.788	10.789	-0.001	217508546	0.0972			
2	100	11.730	11.730	0.000	641191798	0.1009			
						RPD = 3.77			
19 Endrin ketone									
1	100	11.189	11.188	0.001	219898772	0.0939			
2	100	12.466	12.467	-0.001	610796928	0.0977			
						RPD = 3.91			
$ 10 DCB Decachlorobiphenyl									
1	100	12.800	12.802	-0.002	242031398	0.0948			
2	100	14.245	14.247	-0.002	662069990	0.0975			
						RPD = 2.76			

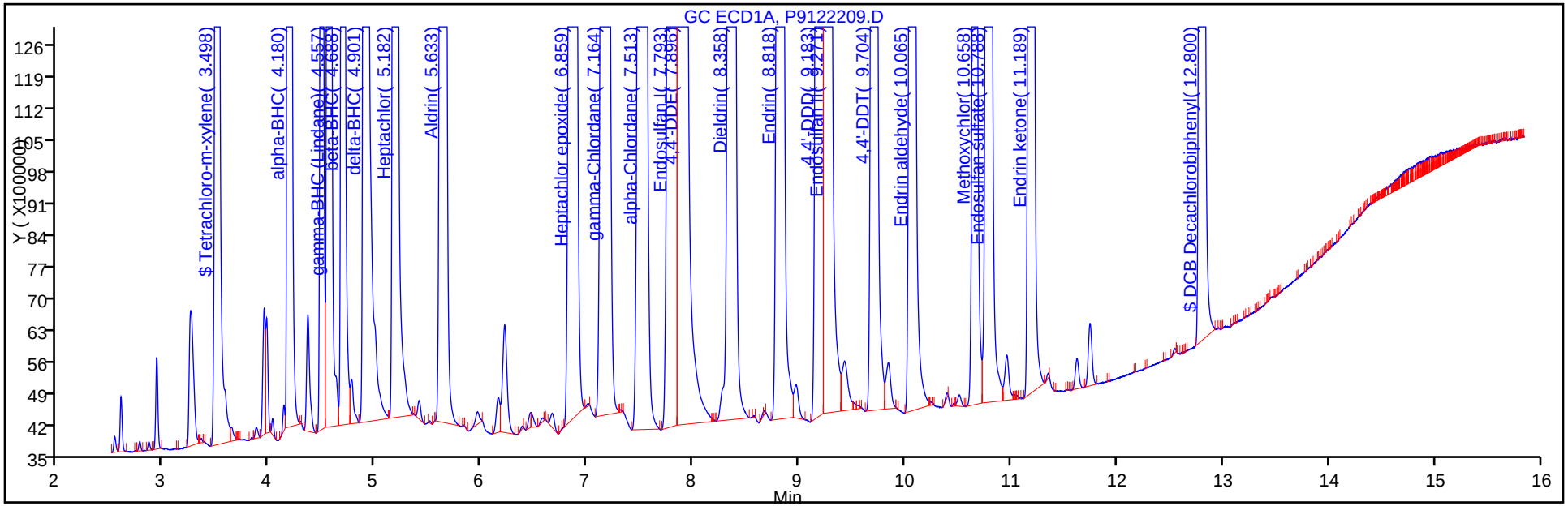
Report Date: 31-Dec-2012 10:57:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

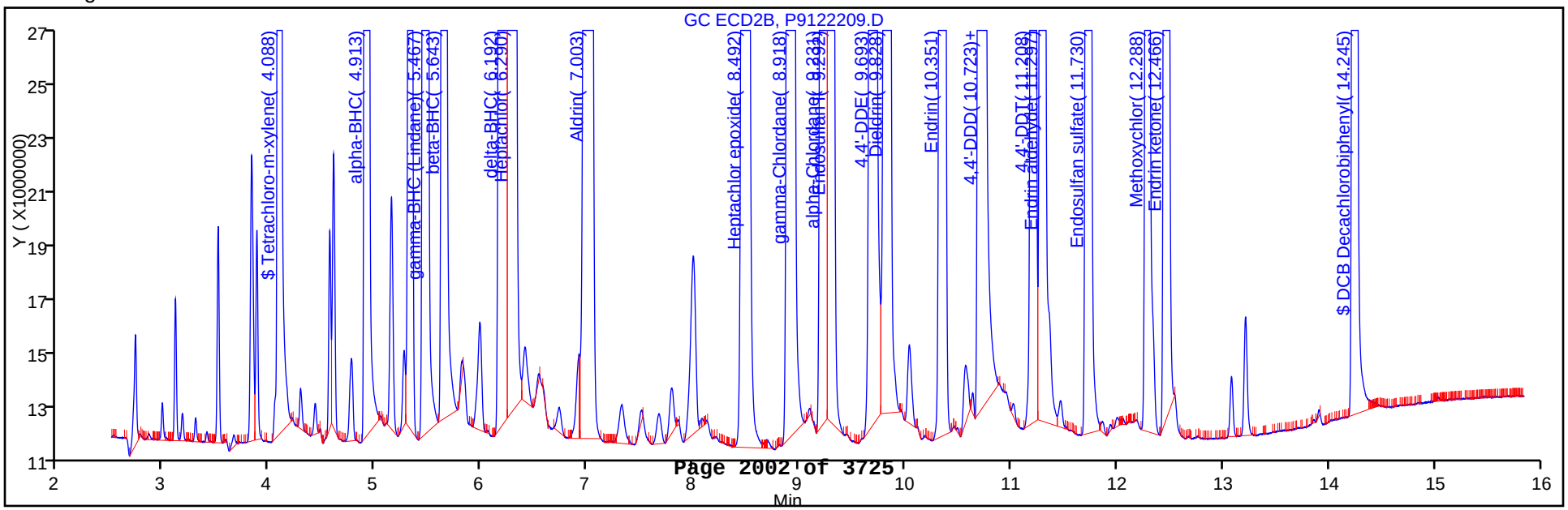
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122209.D

Injection Date:	22-Dec-2012 14:49:15	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122210.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 22-Dec-2012 15:13:25 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0016122-010
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 69893 Lims Sample ID: 10
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:54 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.499	-0.001	499594893	0.1838			
2	100	4.089	4.089	0.000	1876708630	0.2139			
						RPD = 15.14			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	768141767	0.2016			
2	100	4.914	4.913	0.001	3286719172	0.2494			
						RPD = 21.20			
20 gamma-BHC (Lindane)									
1	100	4.556	4.557	-0.001	636231107	0.2042			
2	100	5.467	5.467	0.000	2498251771	0.2395			
						RPD = 15.91			
7 beta-BHC									
1	100	4.688	4.689	-0.001	260444227	0.1920			
2	100	5.643	5.643	0.000	915946127	0.2100			
						RPD = 8.96			
11 delta-BHC									
1	100	4.901	4.902	-0.001	687185120	0.2036			
2	100	6.192	6.192	0.000	2630677835	0.2424			
						RPD = 17.40			
22 Heptachlor									
1	100	5.182	5.183	-0.001	535800491	0.1953			
2	100	6.291	6.289	0.002	1895283610	0.2153			
						RPD = 9.74			
4 Aldrin									
1	100	5.633	5.633	0.000	663261771	0.1865			
2	100	7.006	7.005	0.001	2253559642	0.2119			
						RPD = 12.75			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.859	6.860	-0.001	520246976	0.1912			
2	100	8.491	8.492	-0.001	1763207285	0.2113			
						RPD = 10.01			
21 gamma-Chlordane									
1	100	7.166	7.166	0.000	612435203	0.1999			
2	100	8.920	8.919	0.001	1967602335	0.2203			
						RPD = 9.69			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	621295183	0.1967			
2	100	9.232	9.232	0.000	1914475532	0.2164			
						RPD = 9.50			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	488935665	0.1911			
2	100	9.293	9.294	-0.001	1495459708	0.2096			
						RPD = 9.26			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	643528254	0.1946			
2	100	9.693	9.694	-0.001	1896085231	0.2193			
						RPD = 11.94			
13 Dieldrin									
1	100	8.359	8.361	-0.002	523169800	0.1971			
2	100	9.829	9.829	0.000	1709607295	0.2156			
						RPD = 8.98			
17 Endrin									
1	100	8.817	8.818	-0.001	468447209	0.1917			
2	100	10.351	10.351	0.000	1535350320	0.2180			
						RPD = 12.82			
1 4,4'-DDD									
1	100	9.182	9.185	-0.003	400866929	0.2121			
2	100	10.722	10.724	-0.002	2795664895	0.2257			
						RPD = 6.22			
15 Endosulfan II									
1	100	9.267	9.269	-0.002	479691393	0.1899			
2	100	10.722	10.724	-0.002	2795664895	0.2257			
						RPD = 17.25			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	416361372	0.2218			
2	100	11.208	11.209	-0.001	1150455718	0.2466			
						RPD = 10.58			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	357675806	0.1945			
2	100	11.296	11.297	-0.001	1125612417	0.2143			
						RPD = 9.69			
27 Methoxychlor									
1	100	10.656	10.659	-0.003	176718160	0.2013			
2	100	12.287	12.288	-0.001	500747539	0.2167			
						RPD = 7.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.789	10.789	0.000	441429688	0.1972			
2	100	11.730	11.730	0.000	1488435239	0.2342			
						RPD = 17.17			
19 Endrin ketone									
1	100	11.188	11.188	0.000	456849243	0.1951			
2	100	12.466	12.467	-0.001	1369464177	0.2190			
						RPD = 11.52			
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.802	-0.001	501258059	0.1964			
2	100	14.246	14.247	-0.001	1569230971	0.2310			
						RPD = 16.21			

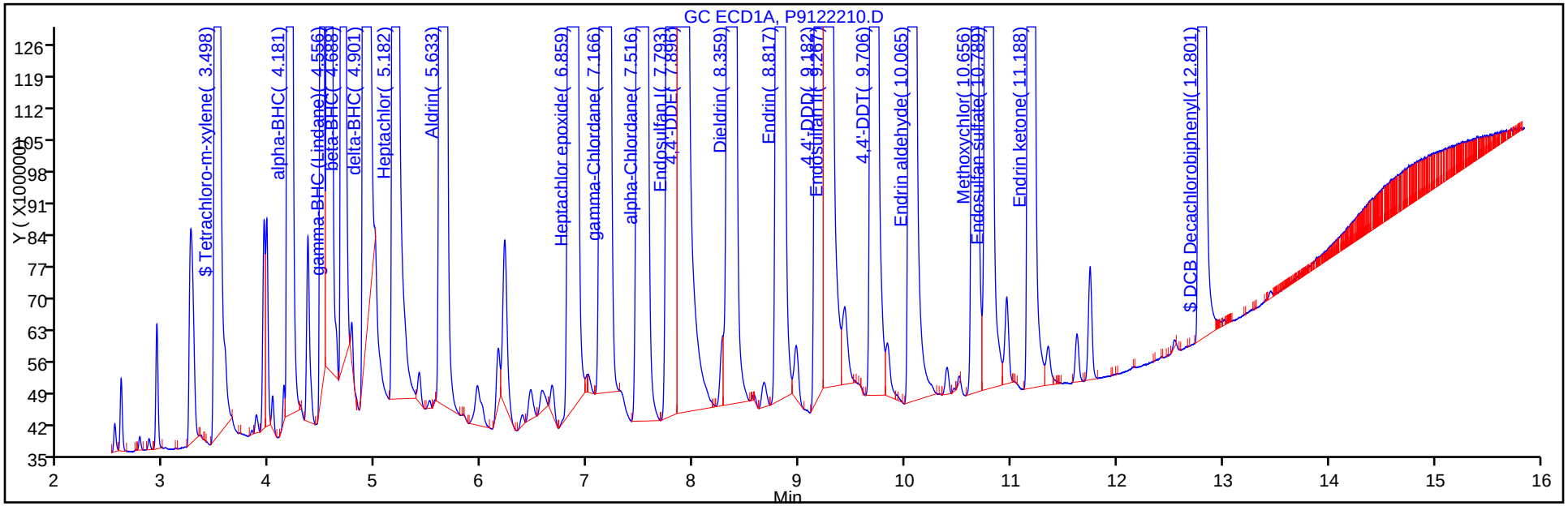
Report Date: 31-Dec-2012 10:57:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

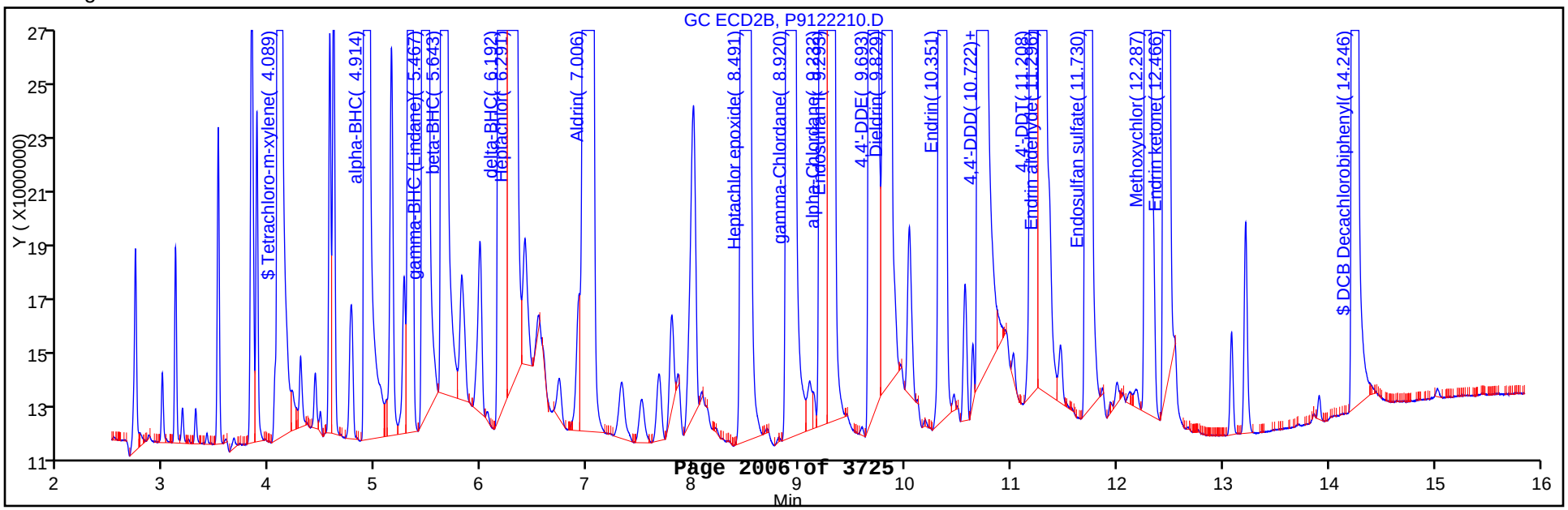
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122210.D

Injection Date:	22-Dec-2012 15:13:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13015

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-69893/5	P9122205.D
Level 2	STD 240-69893/6	P9122206.D
Level 3	STD 240-69893/7	P9122207.D
Level 4	STD 240-69893/8	P9122208.D
Level 5	STD 240-69893/9	P9122209.D
Level 6	STD 240-69893/10	P9122210.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.913	4.913	4.913	4.913	4.913	4.914					4.883 - 4.943	4.913
gamma-BHC (Lindane)	5.469	5.468	5.467	5.468	5.467	5.467					5.437 - 5.497	5.468
beta-BHC	5.645	5.644	5.643	5.644	5.643	5.643					5.613 - 5.673	5.644
delta-BHC	6.192	6.193	6.192	6.191	6.192	6.192					6.162 - 6.222	6.192
Heptachlor	6.290	6.289	6.289	6.290	6.290	6.291					6.254 - 6.324	6.290
Aldrin	7.006	7.004	7.005	7.005	7.003	7.006					6.975 - 7.035	7.005
Heptachlor epoxide	8.492	8.491	8.492	8.492	8.492	8.491					8.462 - 8.522	8.492
gamma-Chlordane	8.920	8.919	8.919	8.920	8.918	8.920					8.889 - 8.949	8.919
alpha-Chlordane	9.233	9.231	9.232	9.232	9.231	9.232					9.202 - 9.262	9.232
Endosulfan I	9.293	9.294	9.294	9.293	9.292	9.293					9.264 - 9.324	9.293
4,4'-DDE	9.695	9.695	9.694	9.693	9.693	9.693					9.664 - 9.724	9.694
Dieldrin	9.830	9.829	9.829	9.830	9.828	9.829					9.799 - 9.859	9.829
Endrin	10.353	10.351	10.351	10.351	10.351	10.351					10.321 - 10.381	10.351
4,4'-DDD	10.726	10.724	10.724	10.723	10.723	10.722					10.694 - 10.754	10.724
Endosulfan II	10.726	10.724	10.724	10.723	10.723	10.722					10.694 - 10.754	10.724
4,4'-DDT	11.210	11.209	11.209	11.209	11.208	11.208					11.179 - 11.239	11.209
Endrin aldehyde	11.297	11.297	11.297	11.296	11.297	11.296					11.267 - 11.327	11.297
Endosulfan sulfate	11.731	11.730	11.730	11.730	11.730	11.730					11.700 - 11.760	11.730
Methoxychlor	12.291	12.289	12.288	12.288	12.288	12.287					12.258 - 12.318	12.289
Endrin ketone	12.468	12.467	12.467	12.466	12.466	12.466					12.437 - 12.497	12.467
Tetrachloro-m-xylene	4.089	4.089	4.089	4.089	4.088	4.089					4.059 - 4.119	4.089
DCB Decachlorobiphenyl	14.246	14.246	14.247	14.245	14.245	14.246					14.217 - 14.277	14.246

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13015

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-69893/5	P9122205.D
Level 2	STD 240-69893/6	P9122206.D
Level 3	STD 240-69893/7	P9122207.D
Level 4	STD 240-69893/8	P9122208.D
Level 5	STD 240-69893/9	P9122209.D
Level 6	STD 240-69893/10	P9122210.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	1189873620 1395374427 0	1081179270 1643359586 0	1235304864 0	1361174730 0	Ave		1.31771 E+010				15.0		20.0			
gamma-BHC (Lindane)	9975941400 1056831643 0	9123783400 1249125885 5	9933049440	1049255672 0	Ave		1.04308 E+010				11.0		20.0			
beta-BHC	4769396000 4122682200	4155851300 4579730635	4281879840	4265292140	Ave		4362472019				5.9		20.0			
delta-BHC	9882028800 1139357612 0	9194124100 1315338917 5	1029303712 0	1121214788 0	Ave		1.08547 E+010				13.0		20.0			
Heptachlor	9337439400 8323266540	8555787200 9476418050	8467261680	8666191360	Ave		8804394038				5.5		20.0			
Aldrin	1122928160 1055509587 0	9603664100 1126779821 0	1027400860 0	1086729882 0	Ave		1.06329 E+010				6.0		20.0			
Heptachlor epoxide	8823344200 8039006290	7975644700 8816036425	8196311560	8211727200	Ave		8343678396				4.5		20.0			
gamma-Chlordane	9373692800 8722148240	8173258000 9838011675	8604838760	8876690720	Ave		8931440033				6.6		20.0			
alpha-Chlordane	9493286600 8612336970	8177064100 9572377660	8533358280	8704113180	Ave		8848756132				6.3		20.0			
Endosulfan I	7622305600 6764915480	6971980900 7477298540	6916922840	7045436340	Ave		7133143283				4.7		20.0			
4,4'-DDE	9022663800 8602773100	7795325200 9480426155	8194547840	8774247780	Ave		8644997313				6.9		20.0			
Dieldrin	8177585600 7756668610	7470432100 8548036475	7670588400	7959683180	Ave		7930499061				4.9		20.0			
Endrin	7200479200 6893933130	6698976500 7676751600	6849057760	6946784960	Ave		7044330525				5.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13015

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDD	1228999560 1230378009 0	1148339980 1397832447 5	1202008460 0	1224609020 0	Ave		1.23869 E+010				6.8		20.0			
Endosulfan II	1228999560 1230378009 0	1148339980 1397832447 5	1202008460 0	1224609020 0	Ave		1.23869 E+010				6.8		20.0			
4,4'-DDT	4317766200 4801523850	4068224300 5752278590	4449151000	4604197580	Ave		4665523587				13.0		20.0			
Endrin aldehyde	5543939800 5030146350	5047226200 5628062085	5147836600	5113543940	Ave		5251792496				5.0		20.0			
Endosulfan sulfate	6209809200 6411917980	5779562800 7442176195	6051652080	6230523420	Ave		6354273613				9.0		20.0			
Methoxychlor	2341485200 2229308750	2227124200 2503737695	2310665040	2249513040	Ave		2310305654				4.6		20.0			
Endrin ketone	6382267800 6107969280	5948579900 6847320885	6140329720	6096107460	Ave		6253762508				5.2		20.0			
Tetrachloro-m-xylene	9076071600 8793165570	7913132000 9383543150	8522204320	8964663680	Ave		8775463387				5.8		20.0			
DCB Decachlorobiphenyl	7127785400 6620699900	6265402600 7846154855	6269587600	6628607640	Ave		6793039666				8.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13015

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-69893/5	P9122205.D
Level 2	STD 240-69893/6	P9122206.D
Level 3	STD 240-69893/7	P9122207.D
Level 4	STD 240-69893/8	P9122208.D
Level 5	STD 240-69893/9	P9122209.D
Level 6	STD 240-69893/10	P9122210.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	59493681 3286719172	108117927	308826216	680587365	1395374427	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	49879707 2498251771	91237834	248326236	524627836	1056831643	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	23846980 915946127	41558513	107046996	213264607	412268220	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	49410144 2630677835	91941241	257325928	560607394	1139357612	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	46687197 1895283610	85557872	211681542	433309568	832326654	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	56146408 2253559642	96036641	256850215	543364941	1055509587	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	44116721 1763207285	79756447	204907789	410586360	803900629	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	46868464 1967602335	81732580	215120969	443834536	872214824	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	47466433 1914475532	81770641	213333957	435205659	861233697	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	38111528 1495459708	69719809	172923071	352271817	676491548	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	45113319 1896085231	77953252	204863696	438712389	860277310	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	40887928 1709607295	74704321	191764710	397984159	775666861	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	36002396 1535350320	66989765	171226444	347339248	689393313	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	61449978 2795664895	114833998	300502115	612304510	1230378009	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	61449978 2795664895	114833998	300502115	612304510	1230378009	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	21588831 1150455718	40682243	111228775	230209879	480152385	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 69893

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2012 13:11 Calibration End Date: 12/22/2012 15:13 Calibration ID: 13015

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	27719699 1125612417	50472262	128695915	255677197	503014635	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	31049046 1488435239	57795628	151291302	311526171	641191798	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	11707426 500747539	22271242	57766626	112475652	222930875	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	31911339 1369464177	59485799	153508243	304805373	610796928	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	45380358 1876708630	79131320	213055108	448233184	879316557	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	35638927 1569230971	62654026	156739690	331430382	662069990	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122205.D		
Lims ID:	STD AB L1	Client ID:	
Inject. Date:	22-Dec-2012 13:11:51	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0016122-005		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	69893	Lims Sample ID:	5
Sublist:	chrom-PEST9*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m		
Last Update:	31-Dec-2012 10:57:42	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK027		
First Level Reviewer: vandorenc		Date:	31-Dec-2012 10:43:55

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.499	0.002	14876952	0.005472			
2	100	4.089	4.089	0.000	45380358	0.005171			
						RPD = 5.65			
5 alpha-BHC									
1	100	4.182	4.182	0.000	19198584	0.005039			
2	100	4.913	4.913	0.000	59493681	0.004515			
						RPD = 10.98			
20 gamma-BHC (Lindane)									
1	100	4.559	4.557	0.002	15835136	0.005083			
2	100	5.469	5.467	0.002	49879707	0.004782			
						RPD = 6.10			
7 beta-BHC									
1	100	4.691	4.689	0.002	7433863	0.005479			
2	100	5.645	5.643	0.002	23846980	0.005466			
						RPD = 0.23			
11 delta-BHC									
1	100	4.905	4.902	0.003	16338833	0.004840			
2	100	6.192	6.192	0.000	49410144	0.004552			
						RPD = 6.13			
22 Heptachlor									
1	100	5.185	5.183	0.002	14339751	0.005226			
2	100	6.290	6.289	0.001	46687197	0.005303			
						RPD = 1.45			
4 Aldrin									
1	100	5.636	5.633	0.003	19496658	0.005483			
2	100	7.006	7.005	0.001	56146408	0.005280			
						RPD = 3.77			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.864	6.860	0.004	14666892	0.005390			
2	100	8.492	8.492	0.000	44116721	0.005287			
						RPD = 1.92			
21 gamma-Chlordane									
1	100	7.168	7.166	0.002	16010600	0.005227			
2	100	8.920	8.919	0.001	46868464	0.005248			
						RPD = 0.40			
6 alpha-Chlordane									
1	100	7.519	7.516	0.003	16863525	0.005340			
2	100	9.233	9.232	0.001	47466433	0.005364			
						RPD = 0.45			
14 Endosulfan I									
1	100	7.797	7.794	0.003	13812512	0.005398			
2	100	9.293	9.294	-0.001	38111528	0.005343			
						RPD = 1.03			
2 4,4'-DDE									
1	100	7.902	7.899	0.003	17790961	0.005381			
2	100	9.695	9.694	0.001	45113319	0.005218			
						RPD = 3.06			
13 Dieldrin									
1	100	8.362	8.361	0.001	13723546	0.005169			
2	100	9.830	9.829	0.001	40887928	0.005156			
						RPD = 0.26			
17 Endrin									
1	100	8.820	8.818	0.002	13026927	0.005331			
2	100	10.353	10.351	0.002	36002396	0.005111			
						RPD = 4.21			
1 4,4'-DDD									
1	100	9.191	9.185	0.006	9360303	0.004952			
2	100	10.726	10.724	0.002	61449978	0.004961			
						RPD = 0.18			
15 Endosulfan II									
1	100	9.273	9.269	0.004	13592507	0.005380			
2	100	10.726	10.724	0.002	61449978	0.004961			
						RPD = 8.10			
3 4,4'-DDT									
1	100	9.709	9.706	0.003	8788628	0.004682			
2	100	11.210	11.209	0.001	21588831	0.004627			
						RPD = 1.18			
18 Endrin aldehyde									
1	100	10.068	10.065	0.003	9652425	0.005250			
2	100	11.297	11.297	0.000	27719699	0.005278			
						RPD = 0.54			
27 Methoxychlor									M
1	100	10.664	10.659	0.005	4568164	0.005204			M
2	100	12.291	12.288	0.003	11707426	0.005067			
						RPD = 2.65			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									M
1	100	10.791	10.789	0.002	11654753	0.005207			M
2	100	11.731	11.730	0.001	31049046	0.004886			
						RPD = 6.35			
19 Endrin ketone									
1	100	11.191	11.188	0.003	12592046	0.005378			
2	100	12.468	12.467	0.001	31911339	0.005103			
						RPD = 5.25			
$ 10 DCB Decachlorobiphenyl									
1	100	12.802	12.802	0.000	13801192	0.005406			
2	100	14.246	14.247	-0.001	35638927	0.005246			
						RPD = 3.00			

QC Flag Legend

Review Flags
M - Manually Integrated

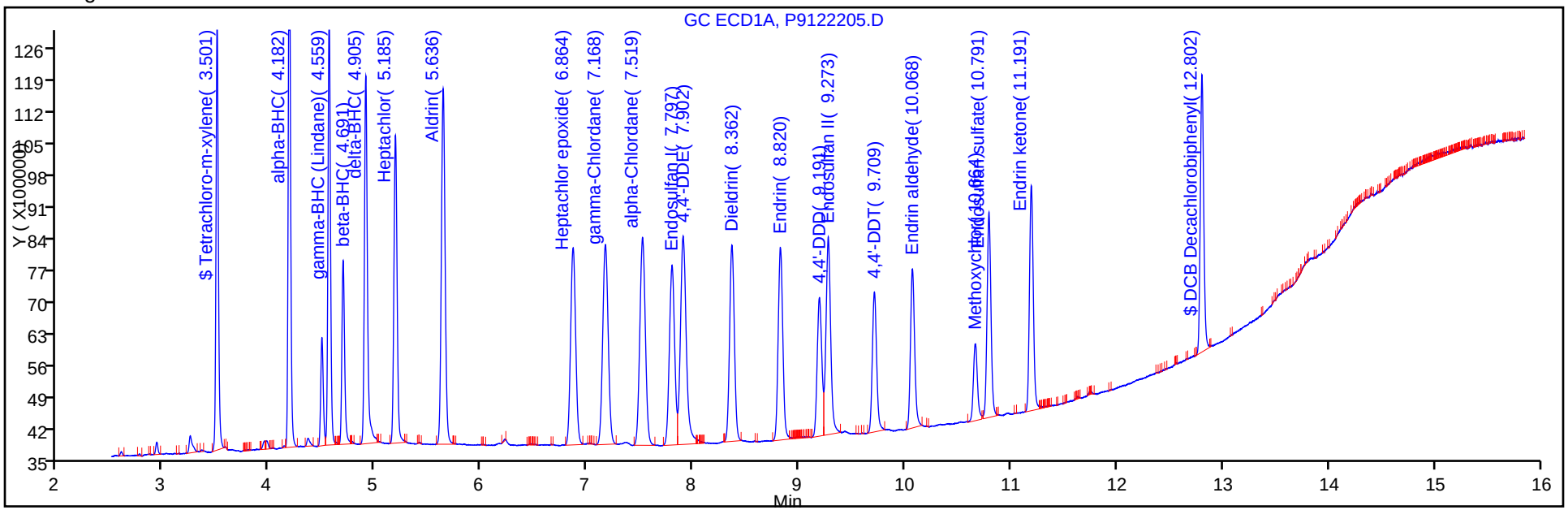
Report Date: 31-Dec-2012 10:57:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

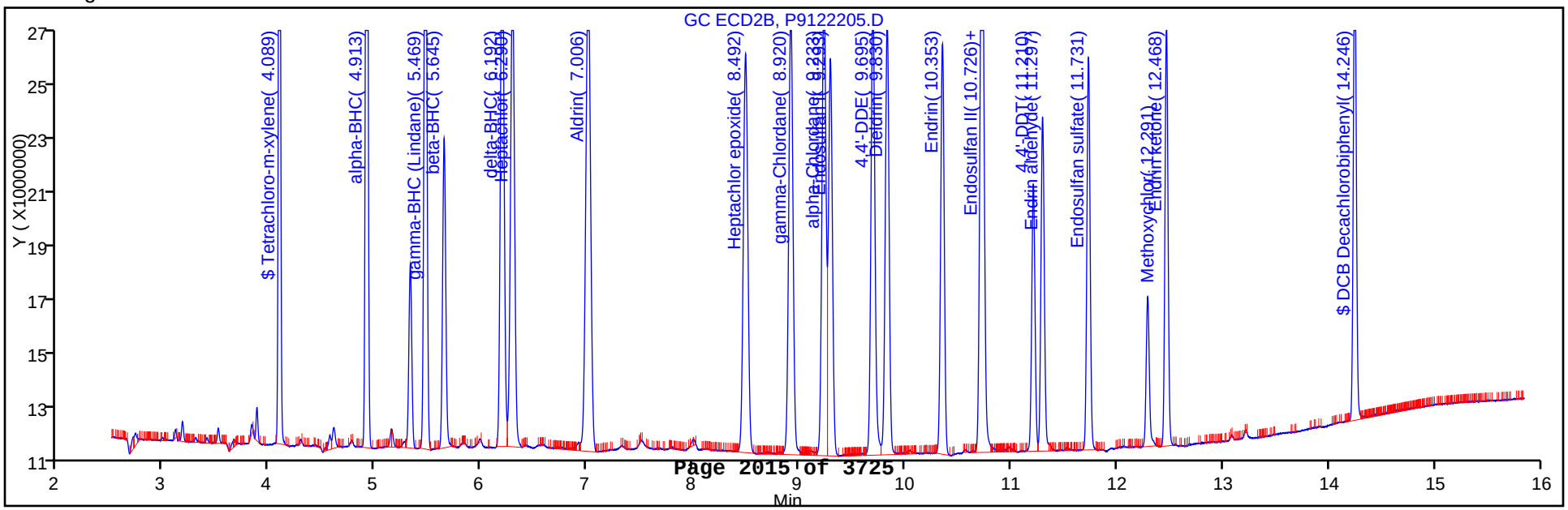
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122205.D

Injection Date:	22-Dec-2012 13:11:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122206.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 22-Dec-2012 13:36:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0016122-006
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 69893 Lims Sample ID: 6
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:45 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	26327788	0.009683			
2	100	4.089	4.089	0.000	79131320	0.009017			
						RPD = 7.12			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	34886846	0.009157			
2	100	4.913	4.913	0.000	108117927	0.008205			
						RPD = 10.97			
20 gamma-BHC (Lindane)									
1	100	4.556	4.557	-0.001	29063438	0.009328			
2	100	5.468	5.467	0.001	91237834	0.008747			
						RPD = 6.43			
7 beta-BHC									
1	100	4.688	4.689	-0.001	13074397	0.009636			
2	100	5.644	5.643	0.001	41558513	0.009526			
						RPD = 1.15			
11 delta-BHC									
1	100	4.902	4.902	0.000	30560456	0.009053			
2	100	6.193	6.192	0.001	91941241	0.008470			
						RPD = 6.65			
22 Heptachlor									
1	100	5.182	5.183	-0.001	27244771	0.0099			
2	100	6.289	6.289	0.000	85557872	0.009718			
						RPD = 2.16			
4 Aldrin									
1	100	5.633	5.633	0.000	33780499	0.009501			
2	100	7.004	7.005	-0.001	96036641	0.009032			
						RPD = 5.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.859	6.860	-0.001	26912312	0.009890			
2	100	8.491	8.492	-0.001	79756447	0.009559			
						RPD = 3.40			
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	29253149	0.009550			
2	100	8.919	8.919	0.000	81732580	0.009151			
						RPD = 4.26			
6 alpha-Chlordane									
1	100	7.515	7.516	-0.001	30186393	0.009559			
2	100	9.231	9.232	-0.001	81770641	0.009241			
						RPD = 3.38			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	25601378	0.0100			
2	100	9.294	9.294	0.000	69719809	0.009774			
						RPD = 2.34			
2 4,4'-DDE									
1	100	7.899	7.899	0.000	31101680	0.009406			
2	100	9.695	9.694	0.001	77953252	0.009017			
						RPD = 4.22			
13 Dieldrin									
1	100	8.360	8.361	-0.001	25715668	0.009686			
2	100	9.829	9.829	0.000	74704321	0.009420			
						RPD = 2.79			
17 Endrin									
1	100	8.819	8.818	0.001	24487399	0.0100			
2	100	10.351	10.351	0.000	66989765	0.009510			
						RPD = 5.23			
1 4,4'-DDD									
1	100	9.185	9.185	0.000	17812061	0.009423			
2	100	10.724	10.724	0.000	114833998	0.009271			
						RPD = 1.63			
15 Endosulfan II									
1	100	9.269	9.269	0.000	25553486	0.0101			
2	100	10.724	10.724	0.000	114833998	0.009271			
						RPD = 8.70			
3 4,4'-DDT									
1	100	9.705	9.706	-0.001	17254121	0.009192			
2	100	11.209	11.209	0.000	40682243	0.008720			
						RPD = 5.27			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	18487207	0.0101			
2	100	11.297	11.297	0.000	50472262	0.009610			
						RPD = 4.52			
27 Methoxychlor									
1	100	10.660	10.659	0.001	8343222	0.009504			
2	100	12.289	12.288	0.001	22271242	0.009640			
						RPD = 1.42			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.788	10.789	-0.001	21604981	0.009652			
2	100	11.730	11.730	0.000	57795628	0.009096			
						RPD = 5.94			
19 Endrin ketone									
1	100	11.189	11.188	0.001	23440569	0.0100			
2	100	12.467	12.467	0.000	59485799	0.009512			
						RPD = 5.12			
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.802	-0.001	25086227	0.009827			
2	100	14.246	14.247	-0.001	62654026	0.009223			
						RPD = 6.34			

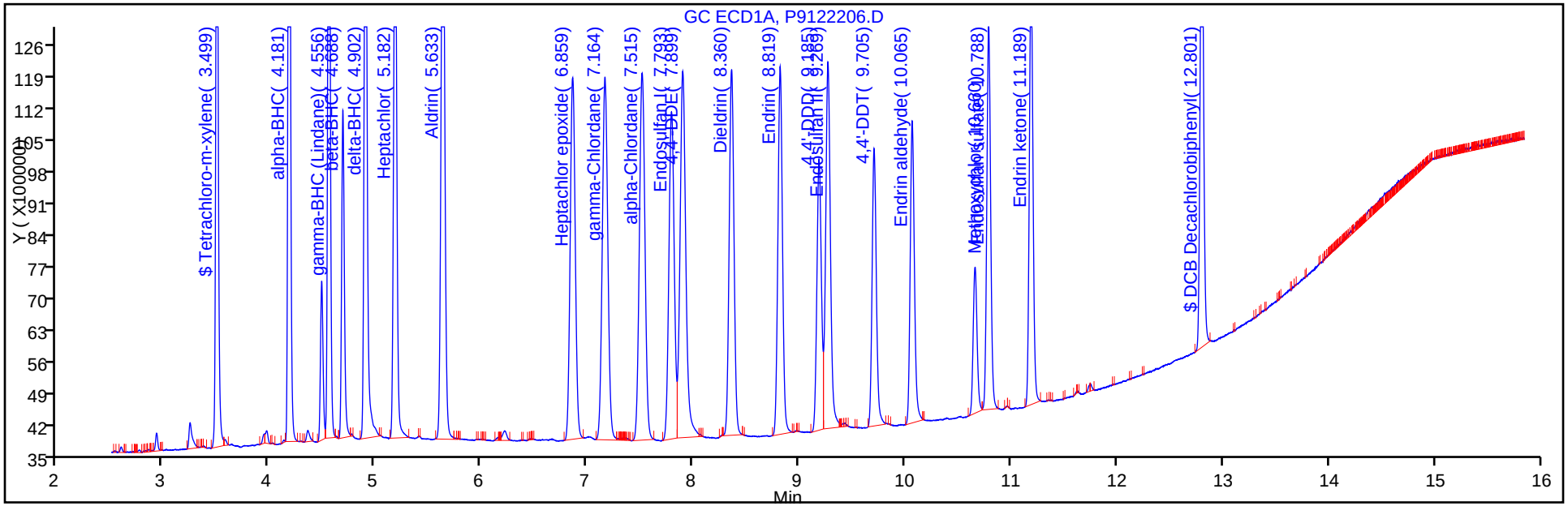
Report Date: 31-Dec-2012 10:57:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

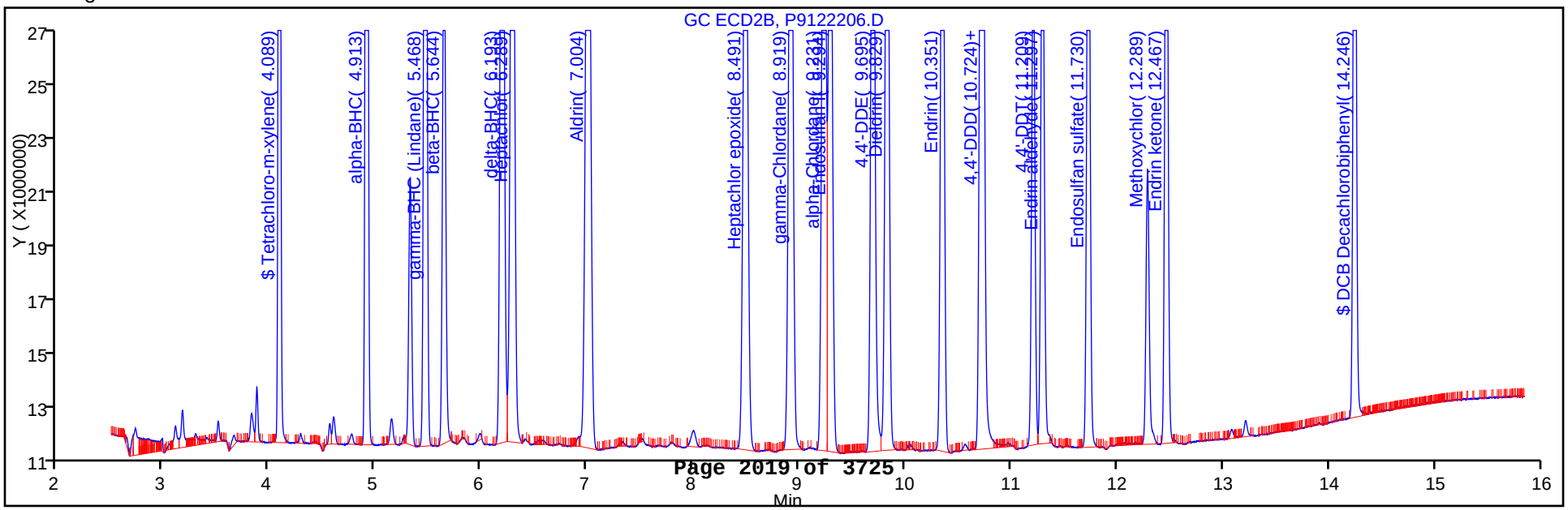
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122206.D

Injection Date:	22-Dec-2012 13:36:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122207.D
Lims ID: STD AB L3 Client ID:
Inject. Date: 22-Dec-2012 14:00:36 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 3
Sample ID: 240-0016122-007
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 69893 Lims Sample ID: 7
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:47 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	69709157	0.0256			
2	100	4.089	4.089	0.000	213055108	0.0243			
						RPD = 5.45			
5 alpha-BHC									
1	100	4.182	4.182	0.000	97225606	0.0255			
2	100	4.913	4.913	0.000	308826216	0.0234			
						RPD = 8.51			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	78811637	0.0253			
2	100	5.467	5.467	0.000	248326236	0.0238			
						RPD = 6.07			
7 beta-BHC									
1	100	4.689	4.689	0.000	33801404	0.0249			
2	100	5.643	5.643	0.000	107046996	0.0245			
						RPD = 1.51			
11 delta-BHC									
1	100	4.902	4.902	0.000	86186043	0.0255			
2	100	6.192	6.192	0.000	257325928	0.0237			
						RPD = 7.41			
22 Heptachlor									
1	100	5.183	5.183	0.000	69900088	0.0255			
2	100	6.289	6.289	0.000	211681542	0.0240			
						RPD = 5.79			
4 Aldrin									
1	100	5.633	5.633	0.000	90861079	0.0256			
2	100	7.005	7.005	0.000	256850215	0.0242			
						RPD = 5.62			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	70250045	0.0258			
2	100	8.492	8.492	0.000	204907789	0.0246			
						RPD = 4.99			
21 gamma-Chlordane									
1	100	7.166	7.166	0.000	77967213	0.0255			
2	100	8.919	8.919	0.000	215120969	0.0241			
						RPD = 5.52			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	80484307	0.0255			
2	100	9.232	9.232	0.000	213333957	0.0241			
						RPD = 5.55			
14 Endosulfan I									
1	100	7.794	7.794	0.000	65322703	0.0255			
2	100	9.294	9.294	0.000	172923071	0.0242			
						RPD = 5.17			
2 4,4'-DDE									
1	100	7.899	7.899	0.000	83092449	0.0251			
2	100	9.694	9.694	0.000	204863696	0.0237			
						RPD = 5.87			
13 Dieldrin									
1	100	8.361	8.361	0.000	67816390	0.0255			
2	100	9.829	9.829	0.000	191764710	0.0242			
						RPD = 5.48			
17 Endrin									
1	100	8.818	8.818	0.000	62577723	0.0256			
2	100	10.351	10.351	0.000	171226444	0.0243			
						RPD = 5.21			
1 4,4'-DDD									
1	100	9.185	9.185	0.000	47494586	0.0251			
2	100	10.724	10.724	0.000	300502115	0.0243			
						RPD = 3.51			
15 Endosulfan II									
1	100	9.269	9.269	0.000	64766416	0.0256			
2	100	10.724	10.724	0.000	300502115	0.0243			
						RPD = 5.51			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	47639175	0.0254			
2	100	11.209	11.209	0.000	111228775	0.0238			
						RPD = 6.25			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	47518950	0.0258			
2	100	11.297	11.297	0.000	128695915	0.0245			
						RPD = 5.32			
27 Methoxychlor									
1	100	10.659	10.659	0.000	22616034	0.0258			
2	100	12.288	12.288	0.000	57766626	0.0250			
						RPD = 2.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.789	10.789	0.000	57448097	0.0257			
2	100	11.730	11.730	0.000	151291302	0.0238			
						RPD = 7.50			
19 Endrin ketone									
1	100	11.188	11.188	0.000	60034966	0.0256			
2	100	12.467	12.467	0.000	153508243	0.0245			
						RPD = 4.36			
$ 10 DCB Decachlorobiphenyl									
1	100	12.802	12.802	0.000	64152269	0.0251			
2	100	14.247	14.247	0.000	156739690	0.0231			
						RPD = 8.53			

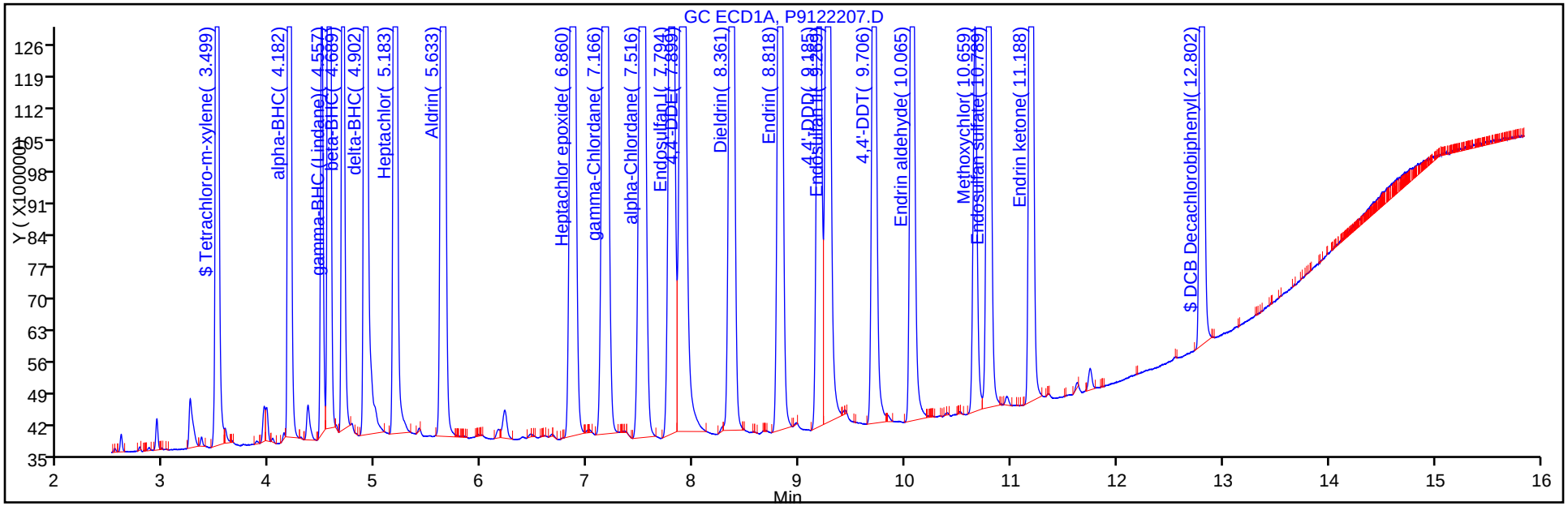
Report Date: 31-Dec-2012 10:57:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

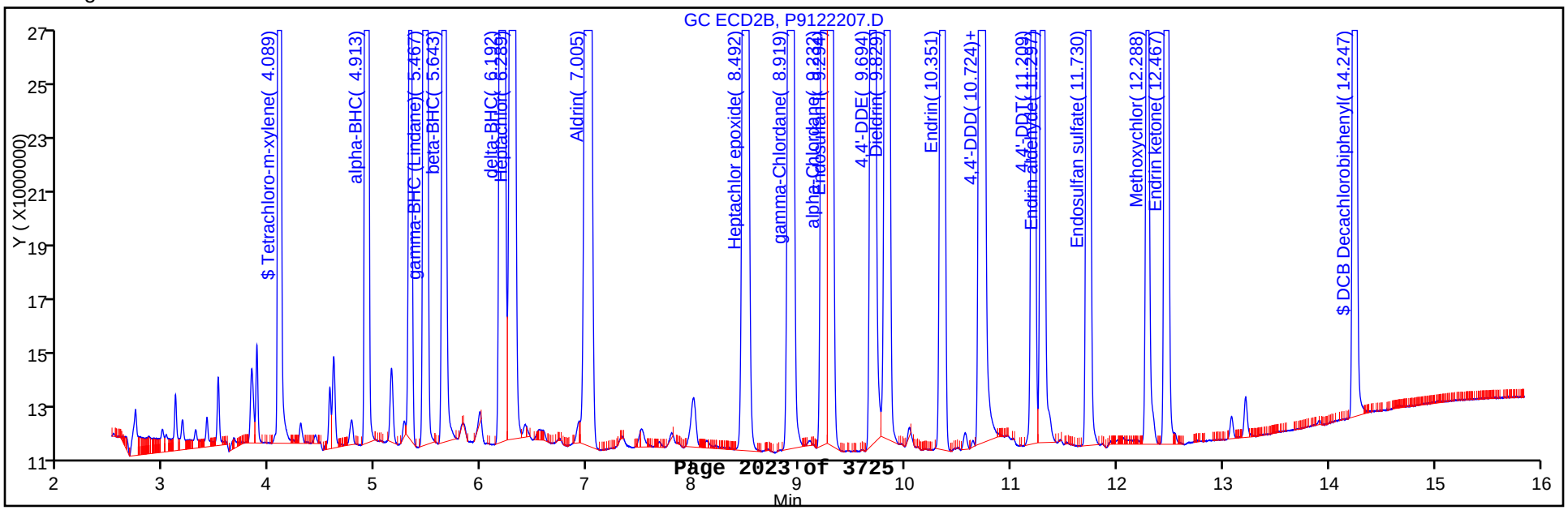
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122207.D

Injection Date:	22-Dec-2012 14:00:36	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122208.D
Lims ID: STD AB L4 Client ID:
Inject. Date: 22-Dec-2012 14:25:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0016122-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 69893 Lims Sample ID: 8
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:50 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	139462966	0.0513			
2	100	4.089	4.089	0.000	448233184	0.0511			
						RPD = 0.42			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	199128378	0.0523			
2	100	4.913	4.913	0.000	680587365	0.0516			
						RPD = 1.19			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	159933798	0.0513			
2	100	5.468	5.467	0.001	524627836	0.0503			
						RPD = 2.04			
7 beta-BHC									
1	100	4.690	4.689	0.001	69404387	0.0512			
2	100	5.644	5.643	0.001	213264607	0.0489			
						RPD = 4.53			
11 delta-BHC									
1	100	4.903	4.902	0.001	180298876	0.0534			
2	100	6.191	6.192	-0.001	560607394	0.0516			
						RPD = 3.35			
22 Heptachlor									
1	100	5.183	5.183	0.000	140049404	0.0510			
2	100	6.290	6.289	0.001	433309568	0.0492			
						RPD = 3.64			
4 Aldrin									
1	100	5.633	5.633	0.000	183831298	0.0517			
2	100	7.005	7.005	0.000	543364941	0.0511			
						RPD = 1.17			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	136236102	0.0501			
2	100	8.492	8.492	0.000	410586360	0.0492			
						RPD = 1.72			
21 gamma-Chlordane									
1	100	7.167	7.166	0.001	154763034	0.0505			
2	100	8.920	8.919	0.001	443834536	0.0497			
						RPD = 1.66			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	159105955	0.0504			
2	100	9.232	9.232	0.000	435205659	0.0492			
						RPD = 2.41			
14 Endosulfan I									
1	100	7.795	7.794	0.001	127923020	0.0500			
2	100	9.293	9.294	-0.001	352271817	0.0494			
						RPD = 1.23			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	170734885	0.0516			
2	100	9.693	9.694	-0.001	438712389	0.0507			
						RPD = 1.74			
13 Dieldrin									
1	100	8.361	8.361	0.000	135154167	0.0509			
2	100	9.830	9.829	0.001	397984159	0.0502			
						RPD = 1.43			
17 Endrin									
1	100	8.819	8.818	0.001	121885202	0.0499			
2	100	10.351	10.351	0.000	347339248	0.0493			
						RPD = 1.15			
1 4,4'-DDD									
1	100	9.184	9.185	-0.001	94778920	0.0501			
2	100	10.723	10.724	-0.001	612304510	0.0494			
						RPD = 1.42			
15 Endosulfan II									
1	100	9.270	9.269	0.001	125747171	0.0498			
2	100	10.723	10.724	-0.001	612304510	0.0494			
						RPD = 0.68			
3 4,4'-DDT									
1	100	9.708	9.706	0.002	94063674	0.0501			
2	100	11.209	11.209	0.000	230209879	0.0493			
						RPD = 1.55			
18 Endrin aldehyde									
1	100	10.067	10.065	0.002	91411749	0.0497			
2	100	11.296	11.297	-0.001	255677197	0.0487			
						RPD = 2.10			
27 Methoxychlor									
1	100	10.659	10.659	0.000	43925490	0.0500			
2	100	12.288	12.288	0.000	112475652	0.0487			
						RPD = 2.74			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.790	10.789	0.001	112939831	0.0505			
2	100	11.730	11.730	0.000	311526171	0.0490			
						RPD = 2.87			
19 Endrin ketone									
1	100	11.190	11.188	0.002	115049731	0.0491			
2	100	12.466	12.467	-0.001	304805373	0.0487			
						RPD = 0.81			
$ 10 DCB Decachlorobiphenyl									
1	100	12.800	12.802	-0.002	127747357	0.0500			
2	100	14.245	14.247	-0.002	331430382	0.0488			
						RPD = 2.54			

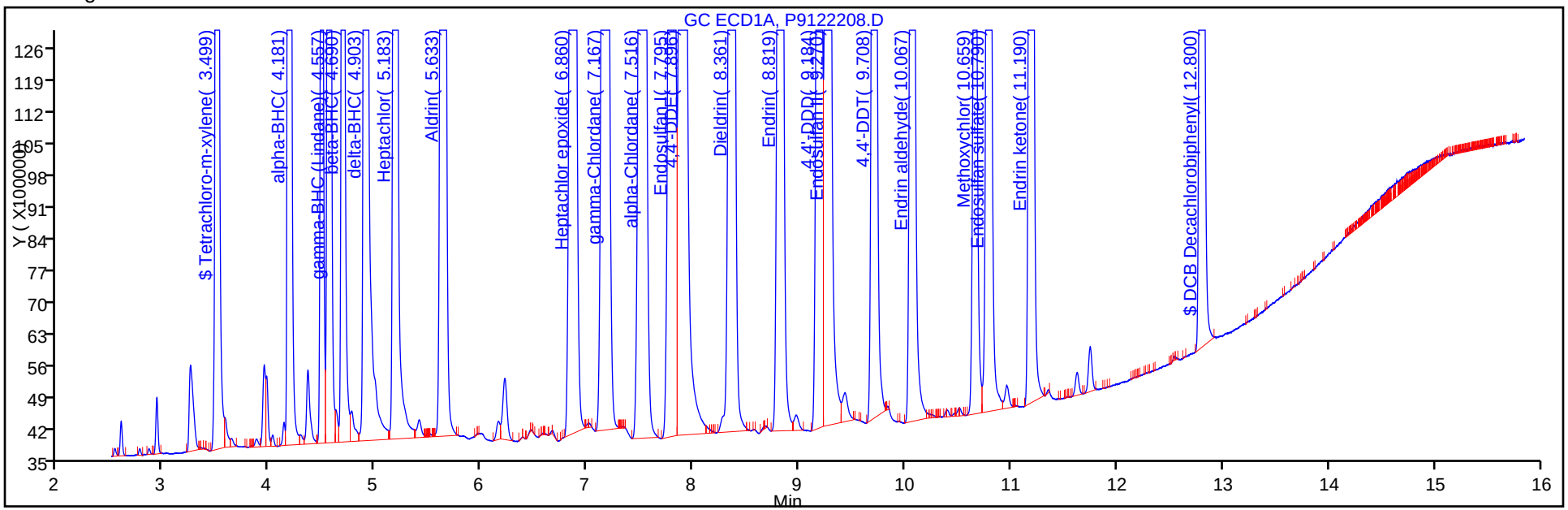
Report Date: 31-Dec-2012 10:57:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

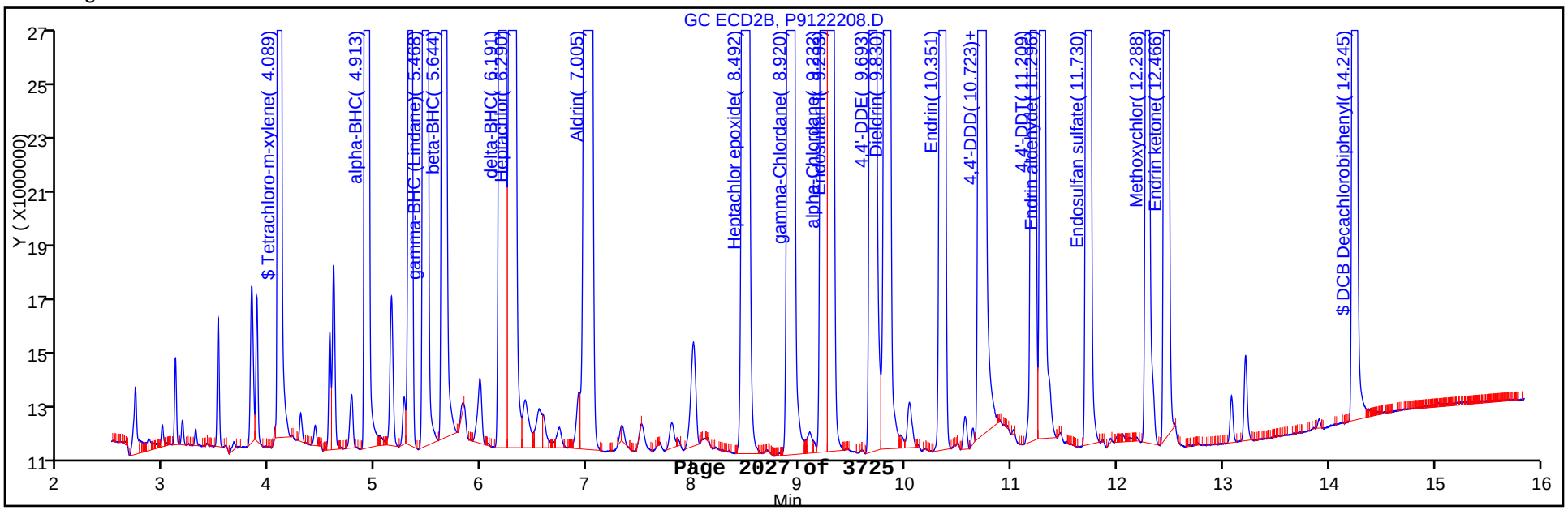
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122208.D

Injection Date:	22-Dec-2012 14:25:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122209.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 22-Dec-2012 14:49:15 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0016122-009
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 69893 Lims Sample ID: 9
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:52 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.499	-0.001	262943294	0.0967			
2	100	4.088	4.089	-0.001	879316557	0.1002			
						RPD = 3.55			
5 alpha-BHC									
1	100	4.180	4.182	-0.002	381822365	0.1002			
2	100	4.913	4.913	0.000	1395374427	0.1059			
						RPD = 5.50			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	308770266	0.0991			
2	100	5.467	5.467	0.000	1056831643	0.1013			
						RPD = 2.21			
7 beta-BHC									
1	100	4.688	4.689	-0.001	130420504	0.0961			
2	100	5.643	5.643	0.000	412268220	0.0945			
						RPD = 1.70			
11 delta-BHC									
1	100	4.901	4.902	-0.001	344231124	0.1020			
2	100	6.192	6.192	0.000	1139357612	0.1050			
						RPD = 2.90			
22 Heptachlor									
1	100	5.182	5.183	-0.001	259452666	0.0946			
2	100	6.290	6.289	0.001	832326654	0.0945			
						RPD = 0.02			
4 Aldrin									
1	100	5.633	5.633	0.000	342887671	0.0964			
2	100	7.003	7.005	-0.002	1055509587	0.0993			
						RPD = 2.90			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.859	6.860	-0.001	256707908	0.0943			
2	100	8.492	8.492	0.000	803900629	0.0963			
						RPD = 2.11			
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	297562677	0.0971			
2	100	8.918	8.919	-0.001	872214824	0.0977			
						RPD = 0.53			
6 alpha-Chlordane									
1	100	7.513	7.516	-0.003	304840838	0.0965			
2	100	9.231	9.232	-0.001	861233697	0.0973			
						RPD = 0.82			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	241329662	0.0943			
2	100	9.292	9.294	-0.002	676491548	0.0948			
						RPD = 0.55			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	321466589	0.0972			
2	100	9.693	9.694	-0.001	860277310	0.0995			
						RPD = 2.33			
13 Dieldrin									
1	100	8.358	8.361	-0.003	258174638	0.0972			
2	100	9.828	9.829	-0.001	775666861	0.0978			
						RPD = 0.58			
17 Endrin									
1	100	8.818	8.818	0.000	232555056	0.0952			
2	100	10.351	10.351	0.000	689393313	0.0979			
						RPD = 2.80			
1 4,4'-DDD									
1	100	9.183	9.185	-0.002	188855390	0.0999			
2	100	10.723	10.724	-0.001	1230378009	0.0993			
						RPD = 0.58			
15 Endosulfan II									
1	100	9.271	9.269	0.002	238165903	0.0943			
2	100	10.723	10.724	-0.001	1230378009	0.0993			
						RPD = 5.23			
3 4,4'-DDT									
1	100	9.704	9.706	-0.002	191077728	0.1018			
2	100	11.208	11.209	-0.001	480152385	0.1029			
						RPD = 1.09			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	173556428	0.0944			
2	100	11.297	11.297	0.000	503014635	0.0958			
						RPD = 1.46			
27 Methoxychlor									
1	100	10.658	10.659	-0.001	85258072	0.0971			
2	100	12.288	12.288	0.000	222930875	0.0965			
						RPD = 0.64			

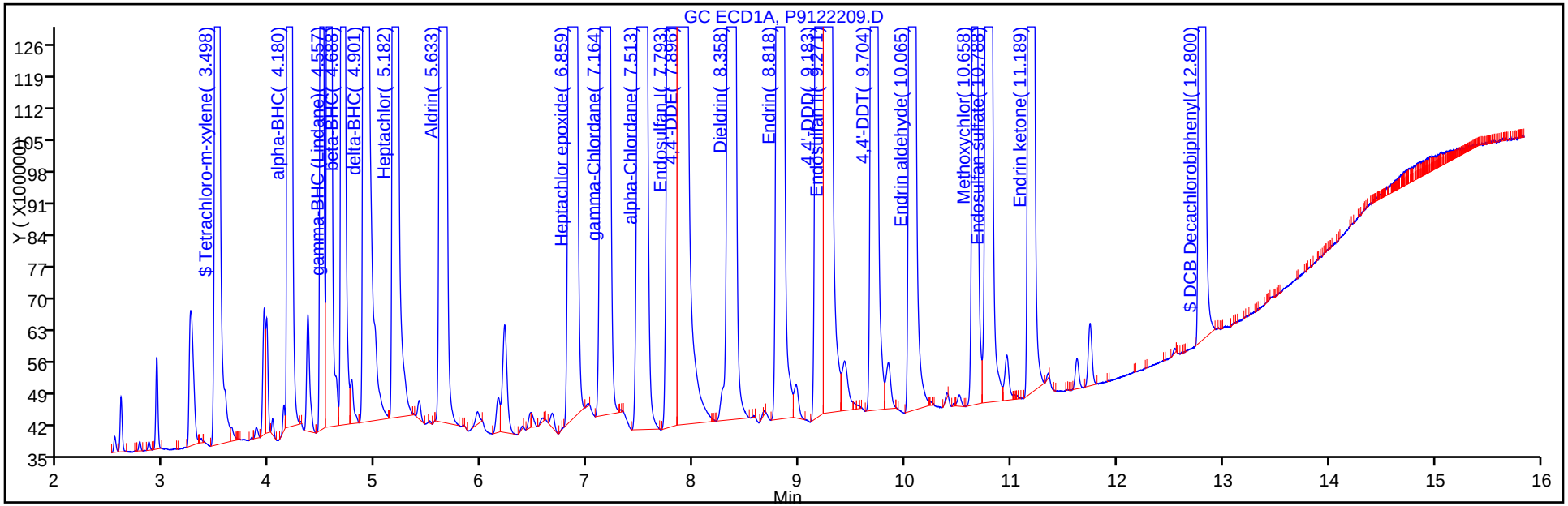
Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.788	10.789	-0.001	217508546	0.0972			
2	100	11.730	11.730	0.000	641191798	0.1009			
						RPD = 3.77			
19 Endrin ketone									
1	100	11.189	11.188	0.001	219898772	0.0939			
2	100	12.466	12.467	-0.001	610796928	0.0977			
						RPD = 3.91			
$ 10 DCB Decachlorobiphenyl									
1	100	12.800	12.802	-0.002	242031398	0.0948			
2	100	14.245	14.247	-0.002	662069990	0.0975			
						RPD = 2.76			

Report Date: 31-Dec-2012 10:57:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

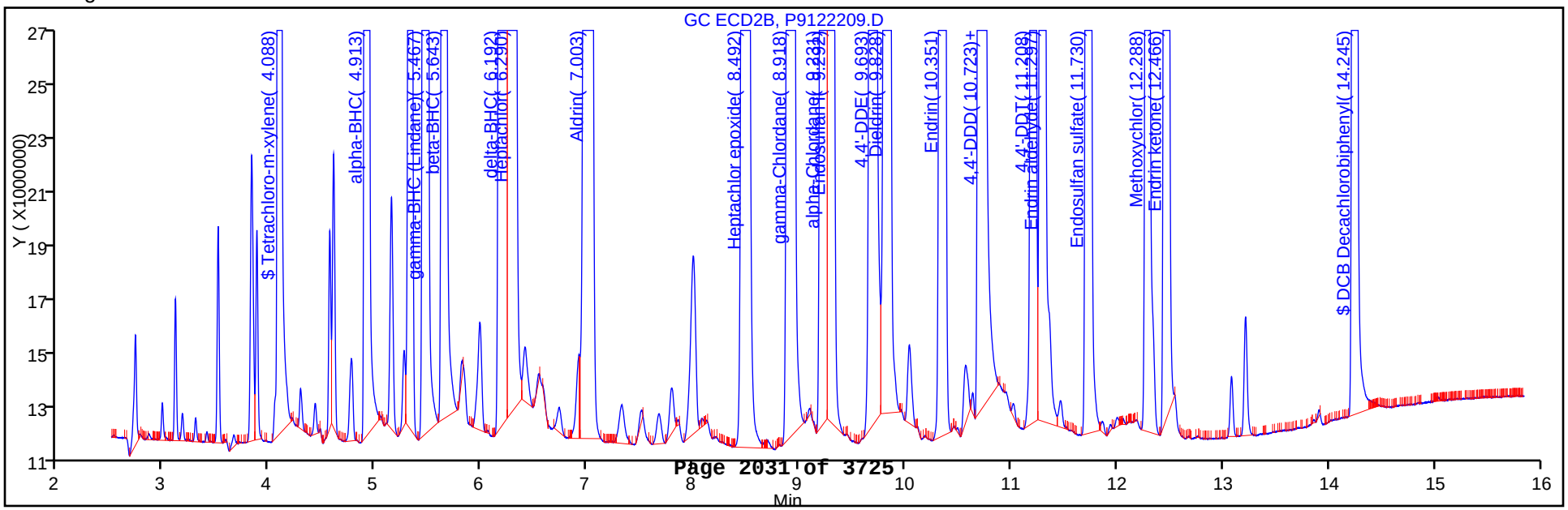
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122209.D		
Injection Date:	22-Dec-2012 14:49:15	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122210.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 22-Dec-2012 15:13:25 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0016122-010
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 69893 Lims Sample ID: 10
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:54 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.499	-0.001	499594893	0.1838			
2	100	4.089	4.089	0.000	1876708630	0.2139			
						RPD = 15.14			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	768141767	0.2016			
2	100	4.914	4.913	0.001	3286719172	0.2494			
						RPD = 21.20			
20 gamma-BHC (Lindane)									
1	100	4.556	4.557	-0.001	636231107	0.2042			
2	100	5.467	5.467	0.000	2498251771	0.2395			
						RPD = 15.91			
7 beta-BHC									
1	100	4.688	4.689	-0.001	260444227	0.1920			
2	100	5.643	5.643	0.000	915946127	0.2100			
						RPD = 8.96			
11 delta-BHC									
1	100	4.901	4.902	-0.001	687185120	0.2036			
2	100	6.192	6.192	0.000	2630677835	0.2424			
						RPD = 17.40			
22 Heptachlor									
1	100	5.182	5.183	-0.001	535800491	0.1953			
2	100	6.291	6.289	0.002	1895283610	0.2153			
						RPD = 9.74			
4 Aldrin									
1	100	5.633	5.633	0.000	663261771	0.1865			
2	100	7.006	7.005	0.001	2253559642	0.2119			
						RPD = 12.75			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.859	6.860	-0.001	520246976	0.1912			
2	100	8.491	8.492	-0.001	1763207285	0.2113			
						RPD = 10.01			
21 gamma-Chlordane									
1	100	7.166	7.166	0.000	612435203	0.1999			
2	100	8.920	8.919	0.001	1967602335	0.2203			
						RPD = 9.69			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	621295183	0.1967			
2	100	9.232	9.232	0.000	1914475532	0.2164			
						RPD = 9.50			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	488935665	0.1911			
2	100	9.293	9.294	-0.001	1495459708	0.2096			
						RPD = 9.26			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	643528254	0.1946			
2	100	9.693	9.694	-0.001	1896085231	0.2193			
						RPD = 11.94			
13 Dieldrin									
1	100	8.359	8.361	-0.002	523169800	0.1971			
2	100	9.829	9.829	0.000	1709607295	0.2156			
						RPD = 8.98			
17 Endrin									
1	100	8.817	8.818	-0.001	468447209	0.1917			
2	100	10.351	10.351	0.000	1535350320	0.2180			
						RPD = 12.82			
1 4,4'-DDD									
1	100	9.182	9.185	-0.003	400866929	0.2121			
2	100	10.722	10.724	-0.002	2795664895	0.2257			
						RPD = 6.22			
15 Endosulfan II									
1	100	9.267	9.269	-0.002	479691393	0.1899			
2	100	10.722	10.724	-0.002	2795664895	0.2257			
						RPD = 17.25			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	416361372	0.2218			
2	100	11.208	11.209	-0.001	1150455718	0.2466			
						RPD = 10.58			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	357675806	0.1945			
2	100	11.296	11.297	-0.001	1125612417	0.2143			
						RPD = 9.69			
27 Methoxychlor									
1	100	10.656	10.659	-0.003	176718160	0.2013			
2	100	12.287	12.288	-0.001	500747539	0.2167			
						RPD = 7.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.789	10.789	0.000	441429688	0.1972			
2	100	11.730	11.730	0.000	1488435239	0.2342			
						RPD = 17.17			
19 Endrin ketone									
1	100	11.188	11.188	0.000	456849243	0.1951			
2	100	12.466	12.467	-0.001	1369464177	0.2190			
						RPD = 11.52			
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.802	-0.001	501258059	0.1964			
2	100	14.246	14.247	-0.001	1569230971	0.2310			
						RPD = 16.21			

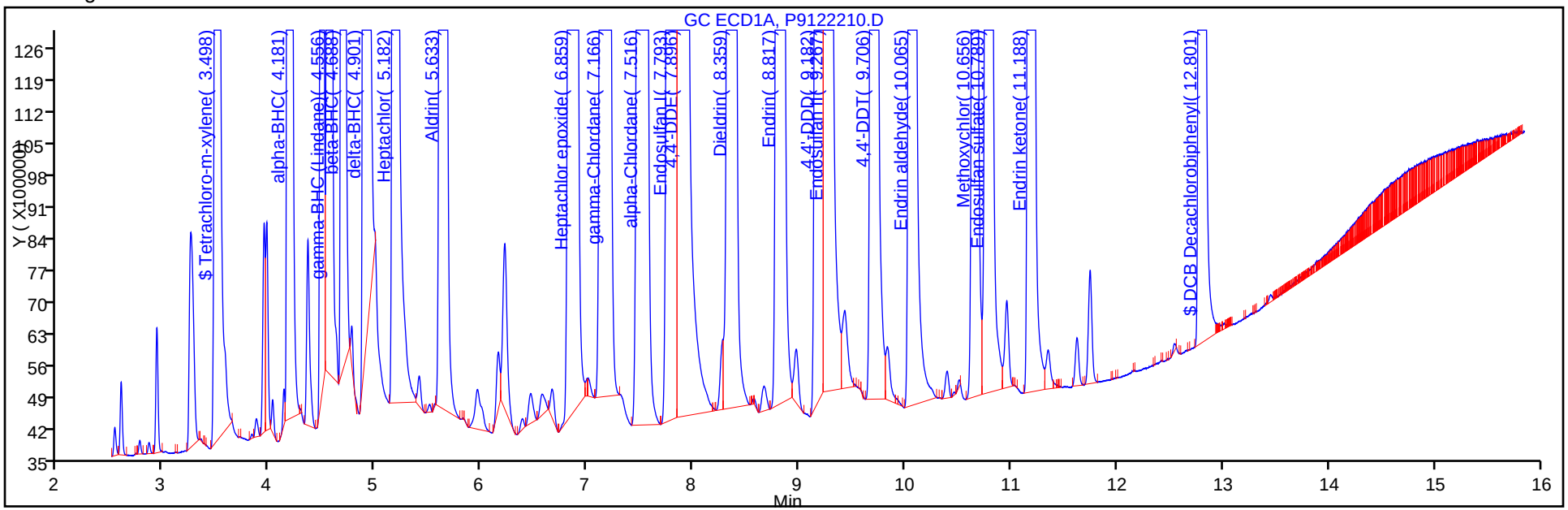
Report Date: 31-Dec-2012 10:57:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

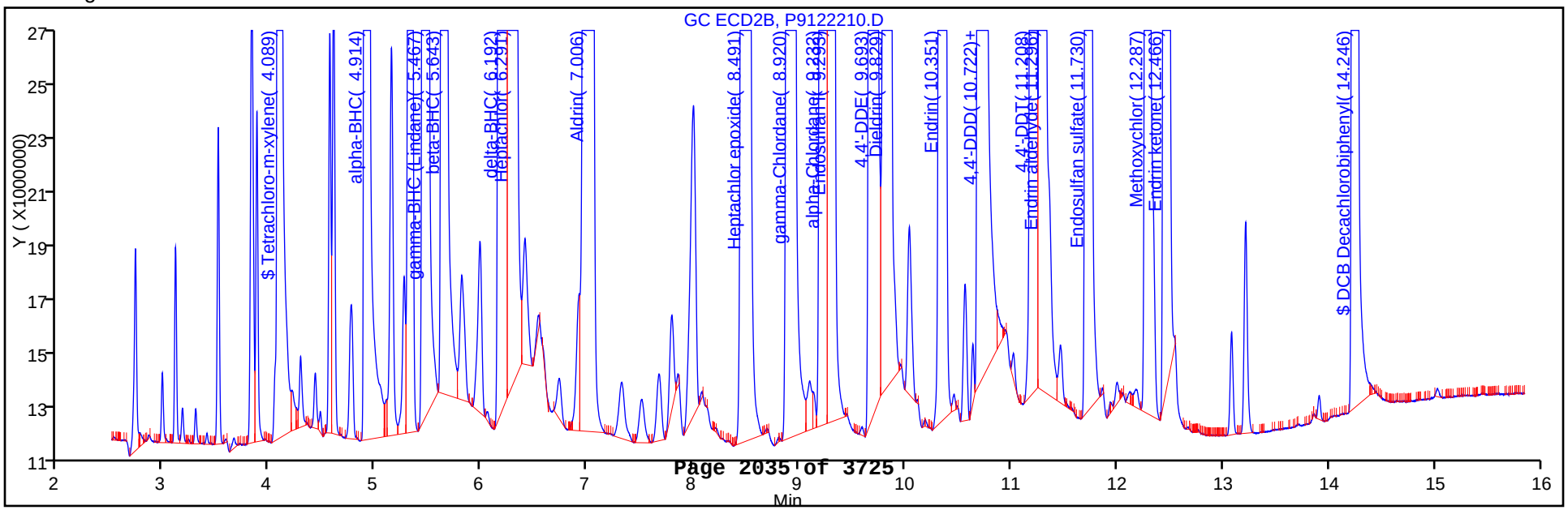
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122210.D

Injection Date:	22-Dec-2012 15:13:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: PEM 240-69893/4 Calibration Date: 12/22/2012 12:44

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9122204.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.82	114882575	3.07	15	
Endrin aldehyde	10.09	619877			
Endrin ketone	11.19	3014383			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.71	178906324	5.71	15	
4,4'-DDD	9.19	8719804			
4,4'-DDE	7.90	2108955			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122204.D
Lims ID: PEM Client ID:
Inject. Date: 22-Dec-2012 12:44:13 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0016122-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 69893 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:39 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 10:40:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.500	3.499	0.001	55904140	0.0206			
2	100	4.089	4.089	0.000	171697334	0.0196			
						RPD = 4.96			
5 alpha-BHC									
1	100	4.182	4.182	0.000	38063150	0.0100			
2	100	4.914	4.913	0.001	118328307	0.008980			
						RPD = 10.66			
20 gamma-BHC (Lindane)									
1	100	4.558	4.557	0.001	31087971	0.0100			
2	100	5.469	5.467	0.002	97396125	0.009337			
						RPD = 6.64			
7 beta-BHC									
1	100	4.690	4.689	0.001	14451563	0.0107			
2	100	5.644	5.643	0.001	45435875	0.0104			
						RPD = 2.24			
2 4,4'-DDE									M
1	100	7.904	7.899	0.005	2108955	0.000638			M
2	100	9.697	9.694	0.003	6248933	0.000723			
						RPD = 12.50			
17 Endrin									
1	100	8.821	8.818	0.003	114882575	0.0470			
2	100	10.353	10.351	0.002	324989832	0.0461			
						RPD = 1.88			
1 4,4'-DDD									
1	100	9.190	9.185	0.005	8719804	0.004613			
2	100	10.718	10.724	-0.006	28218431	0.002278			
						RPD = 67.77			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.708	9.706	0.002	178906324	0.0953			
2	100	11.211	11.209	0.002	464866445	0.0996			
						RPD = 4.44			
18 Endrin aldehyde									
1	100	10.085	10.065	0.020	619877	0.000337			7M
2	100	11.298	11.297	0.001	2901888	0.000553			7
						RPD = 48.43			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.659						
2	100		12.288						
19 Endrin ketone									
1	100	11.191	11.188	0.003	3014383	0.001287			
2	100	12.469	12.467	0.002	13654073	0.002183			
						RPD = 51.62			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

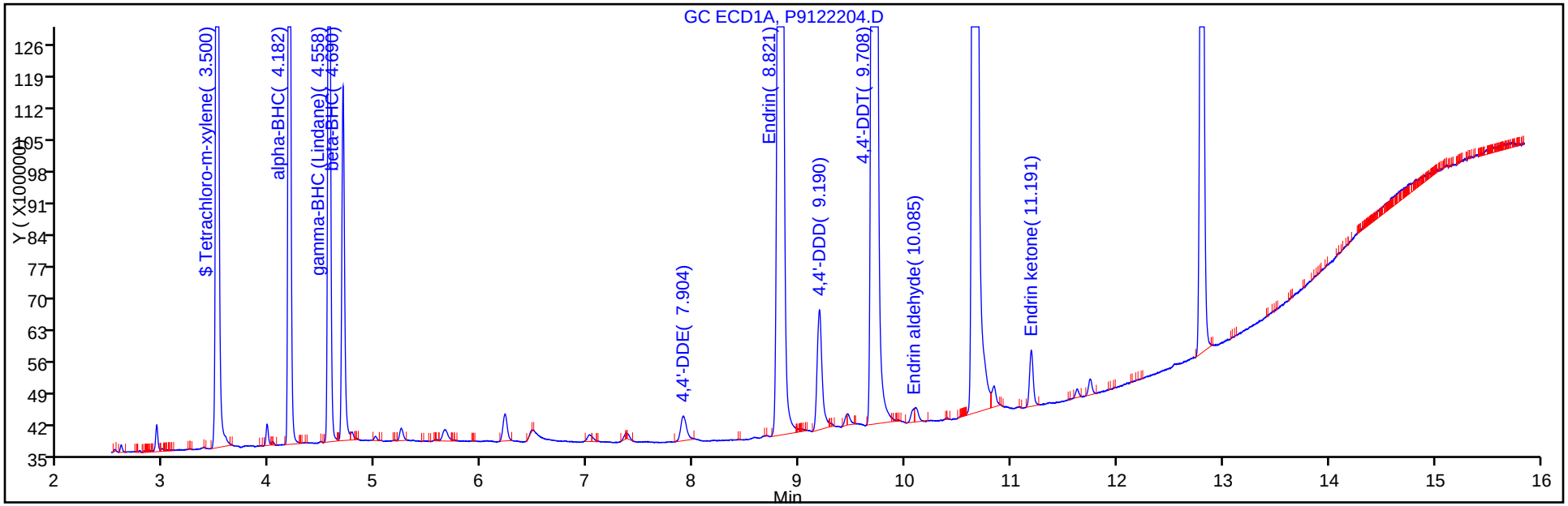
Report Date: 31-Dec-2012 10:57:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

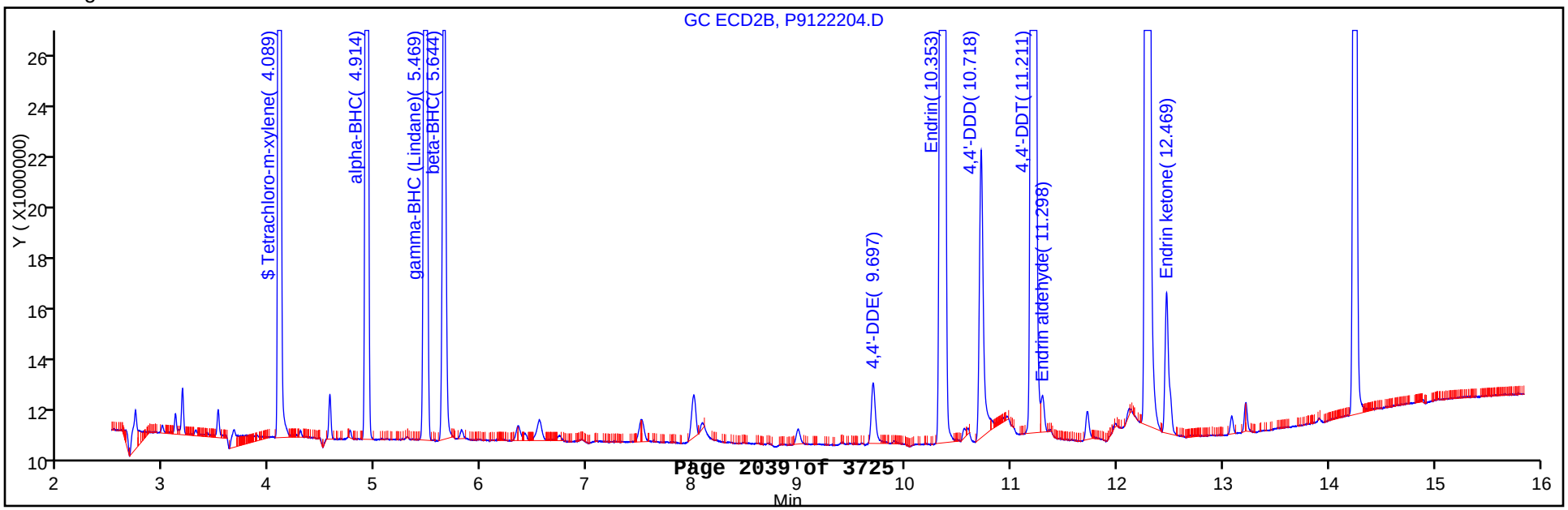
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122204.D

Injection Date:	22-Dec-2012 12:44:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

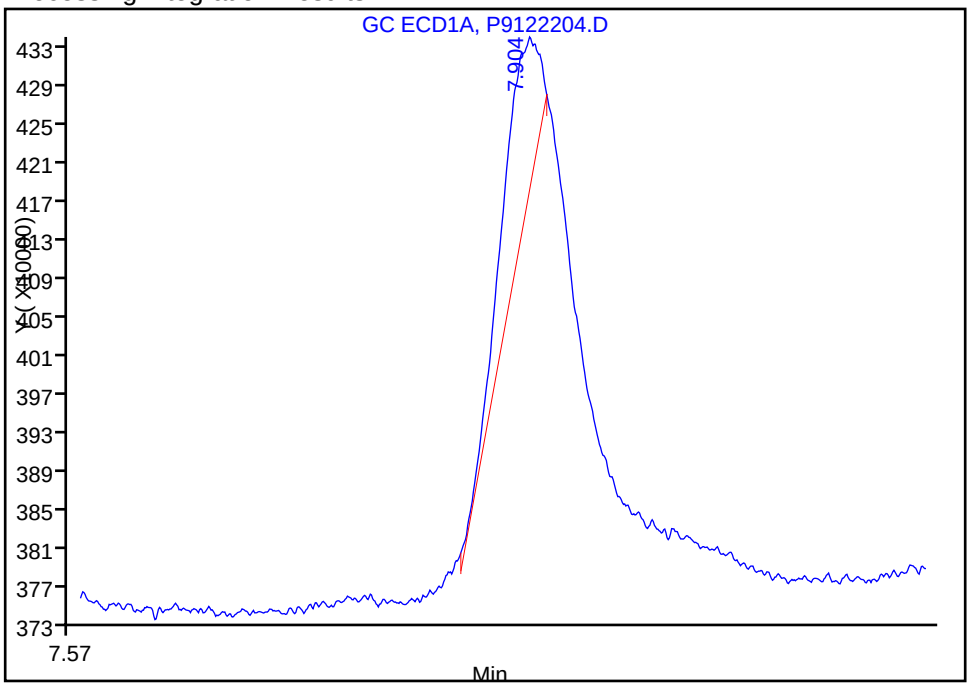
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122204.D		
Injection Date:	22-Dec-2012 12:44:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

2 4,4'-DDE, Signal: 1, Type: quant, RT: 7.90, Det: GC ECD1A

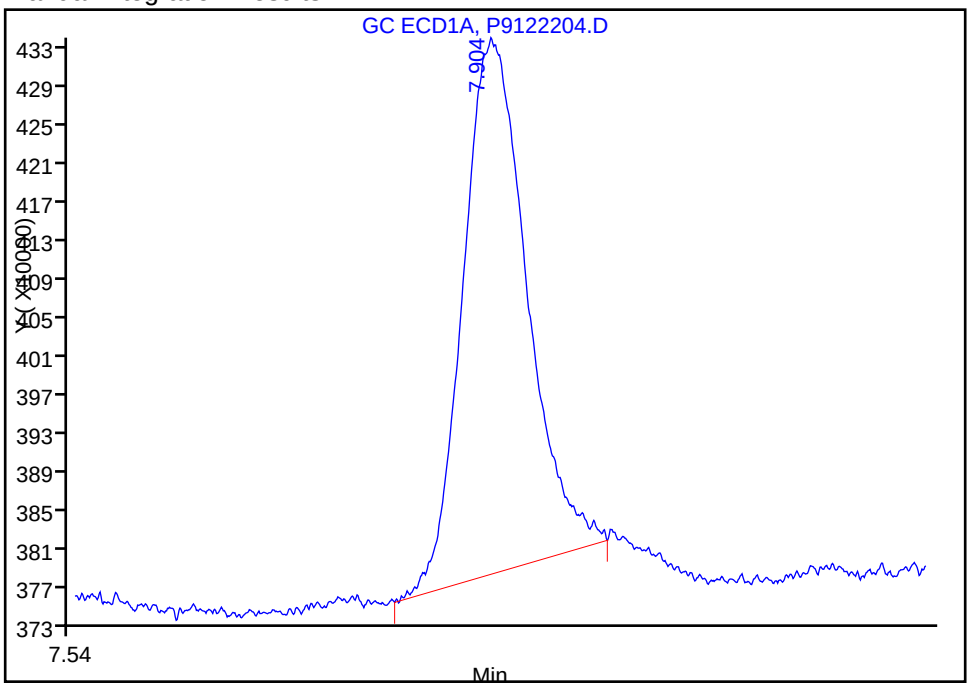
Processing Integration Results

RT: 7.90
Response: 339536
Amount: 0.000103



Manual Integration Results

RT: 7.90
Response: 2108955
Amount: 0.000638



Reviewer: vandorenc, 31-Dec-2012 10:40:59
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: PEM 240-69893/4 Calibration Date: 12/22/2012 12:44

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 10:48

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 13:08

Lab File ID: P9122204.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.35	324989832	4.85	15	
Endrin aldehyde	11.30	2901888			
Endrin ketone	12.47	13654073			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.21	464866445	6.90	15	
4,4'-DDD	10.72	28218431			
4,4'-DDE	9.70	6248933			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122204.D
Lims ID: PEM Client ID:
Inject. Date: 22-Dec-2012 12:44:13 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0016122-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 69893 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:39 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 10:40:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.500	3.499	0.001	55904140	0.0206			
2	100	4.089	4.089	0.000	171697334	0.0196			
						RPD = 4.96			
5 alpha-BHC									
1	100	4.182	4.182	0.000	38063150	0.0100			
2	100	4.914	4.913	0.001	118328307	0.008980			
						RPD = 10.66			
20 gamma-BHC (Lindane)									
1	100	4.558	4.557	0.001	31087971	0.0100			
2	100	5.469	5.467	0.002	97396125	0.009337			
						RPD = 6.64			
7 beta-BHC									
1	100	4.690	4.689	0.001	14451563	0.0107			
2	100	5.644	5.643	0.001	45435875	0.0104			
						RPD = 2.24			
2 4,4'-DDE									M
1	100	7.904	7.899	0.005	2108955	0.000638			M
2	100	9.697	9.694	0.003	6248933	0.000723			
						RPD = 12.50			
17 Endrin									
1	100	8.821	8.818	0.003	114882575	0.0470			
2	100	10.353	10.351	0.002	324989832	0.0461			
						RPD = 1.88			
1 4,4'-DDD									
1	100	9.190	9.185	0.005	8719804	0.004613			
2	100	10.718	10.724	-0.006	28218431	0.002278			
						RPD = 67.77			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.708	9.706	0.002	178906324	0.0953			
2	100	11.211	11.209	0.002	464866445	0.0996			
						RPD = 4.44			
18 Endrin aldehyde									
1	100	10.085	10.065	0.020	619877	0.000337			7M
2	100	11.298	11.297	0.001	2901888	0.000553			7
						RPD = 48.43			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.659						
2	100		12.288						
19 Endrin ketone									
1	100	11.191	11.188	0.003	3014383	0.001287			
2	100	12.469	12.467	0.002	13654073	0.002183			
						RPD = 51.62			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

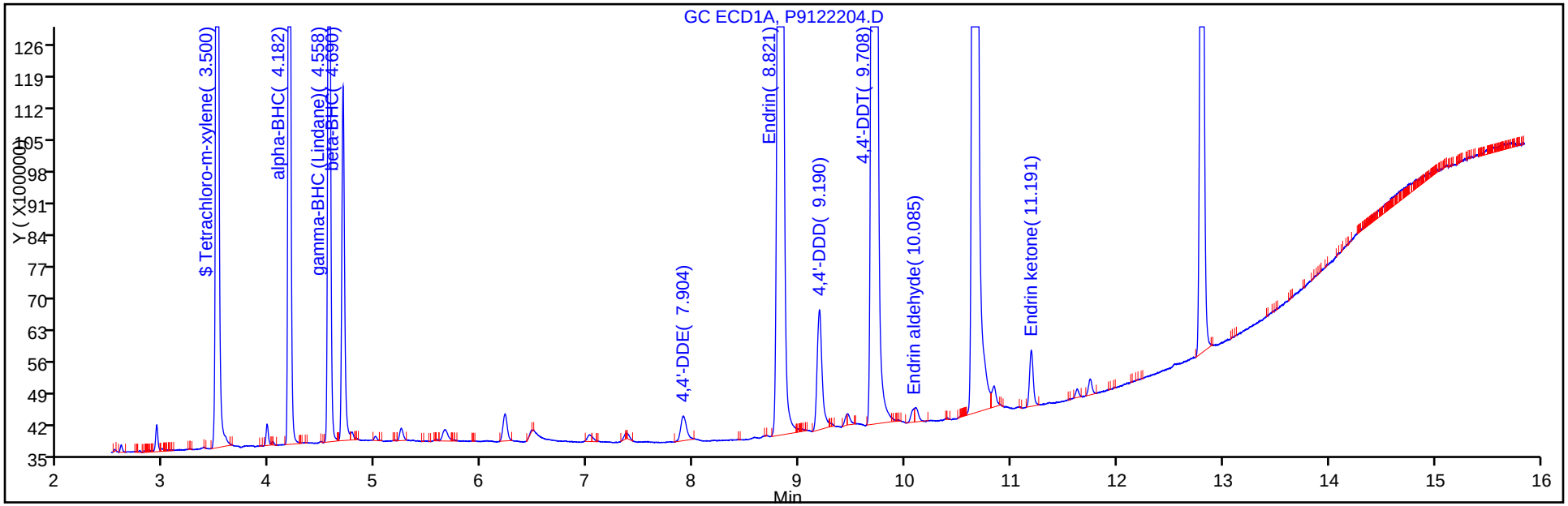
Report Date: 31-Dec-2012 10:57:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

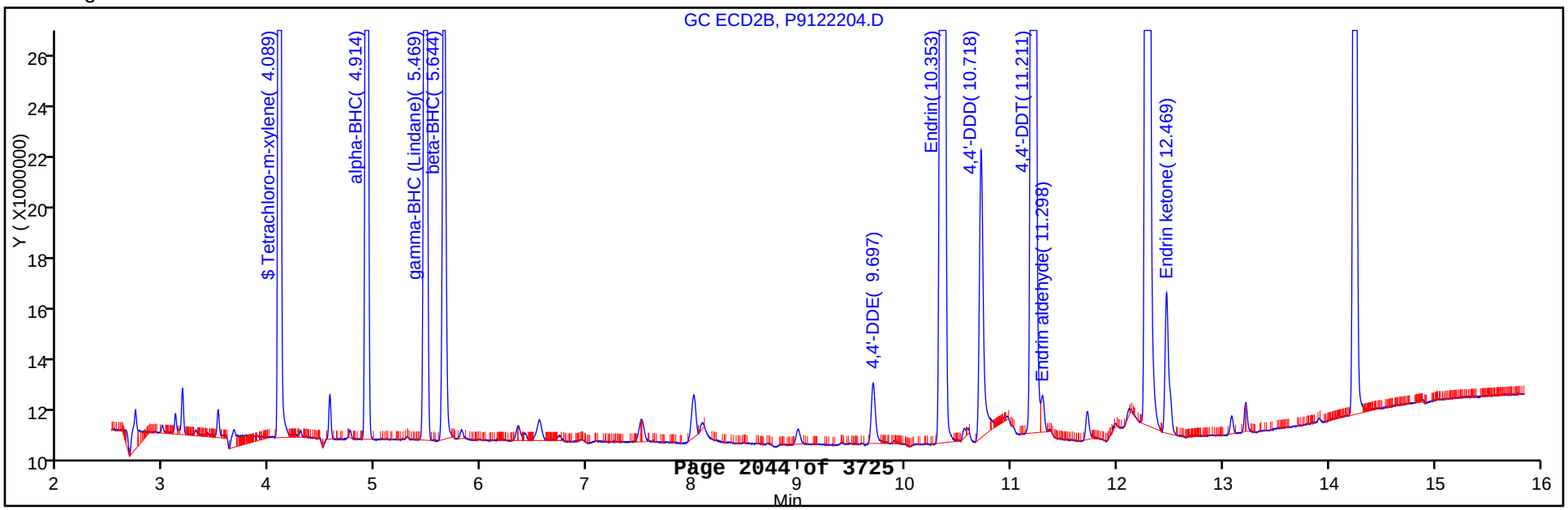
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122204.D

Injection Date:	22-Dec-2012 12:44:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: PEM 240-71028/29 Calibration Date: 01/04/2013 02:51

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010329.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.81	128129921	2.04	15	
Endrin aldehyde	10.09	974112			
Endrin ketone	11.19	1691943			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.70	188598472	4.28	15	
4,4'-DDD	9.18	6570433			
4,4'-DDE	7.89	1871268			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010329.D
Lims ID: PEM Client ID:
Inject. Date: 04-Jan-2013 02:51:45 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0016373-029
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 71028 Lims Sample ID: 29
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 09:51:05 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 10:22:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.496	3.496	0.000	58331582	0.0215			
2	100	4.085	4.085	0.000	180874420	0.0206			
						RPD = 4.01			
5 alpha-BHC									
1	100	4.179	4.179	0.000	42339199	0.0111			
2	100	4.909	4.908	0.001	135334056	0.0103			
						RPD = 7.88			
20 gamma-BHC (Lindane)									
1	100	4.555	4.555	0.000	31881131	0.0102			
2	100	5.463	5.462	0.001	103837041	0.0100			
						RPD = 2.75			
7 beta-BHC									
1	100	4.686	4.686	0.000	15908958	0.0117			
2	100	5.638	5.637	0.001	52444388	0.0120			
						RPD = 2.50			
2 4,4'-DDE									M
1	100	7.893	7.894	-0.001	1871268	0.000566			M
2	100	9.678	9.686	-0.008	6133919	0.000710			
						RPD = 22.52			
17 Endrin									
1	100	8.814	8.813	0.001	128129921	0.0524			
2	100	10.346	10.344	0.002	370619451	0.0526			
						RPD = 0.35			
1 4,4'-DDD									
1	100	9.179	9.181	-0.002	6570433	0.003476			
2	100	10.710	10.717	-0.007	20942992	0.001691			
						RPD = 69.11			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									M
1	100	9.702	9.701	0.001	188598472	0.1005			
2	100	11.203	11.204	-0.001	501460410	0.1075			M
						RPD = 6.74			
18 Endrin aldehyde									M
1	100	10.091	10.060	0.031	974112	0.000530			7M
2	100	11.290	11.290	0.000	2361426	0.000450			7M
						RPD = 16.37			
LOD = 0.000500									
27 Methoxychlor									E
1	100		10.654						
2	100		12.283						
19 Endrin ketone									M
1	100	11.186	11.185	0.001	1691943	0.000723			M
2	100	12.461	12.461	0.000	6621092	0.001059			M
						RPD = 37.74			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

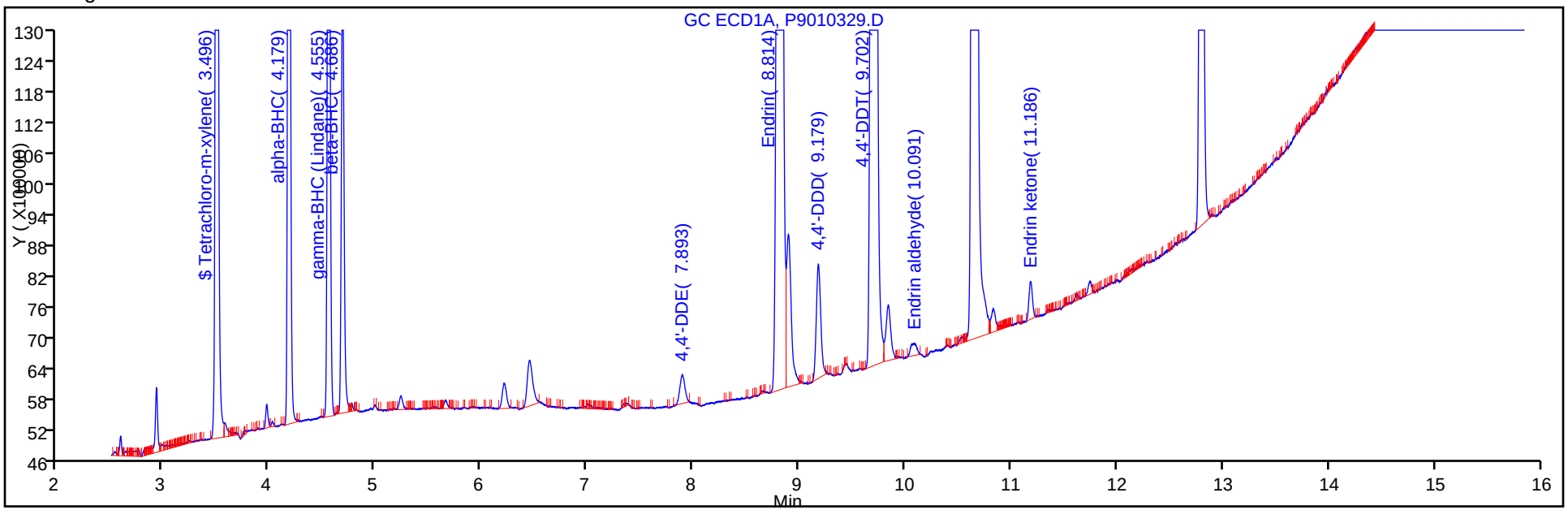
Report Date: 04-Jan-2013 12:08:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

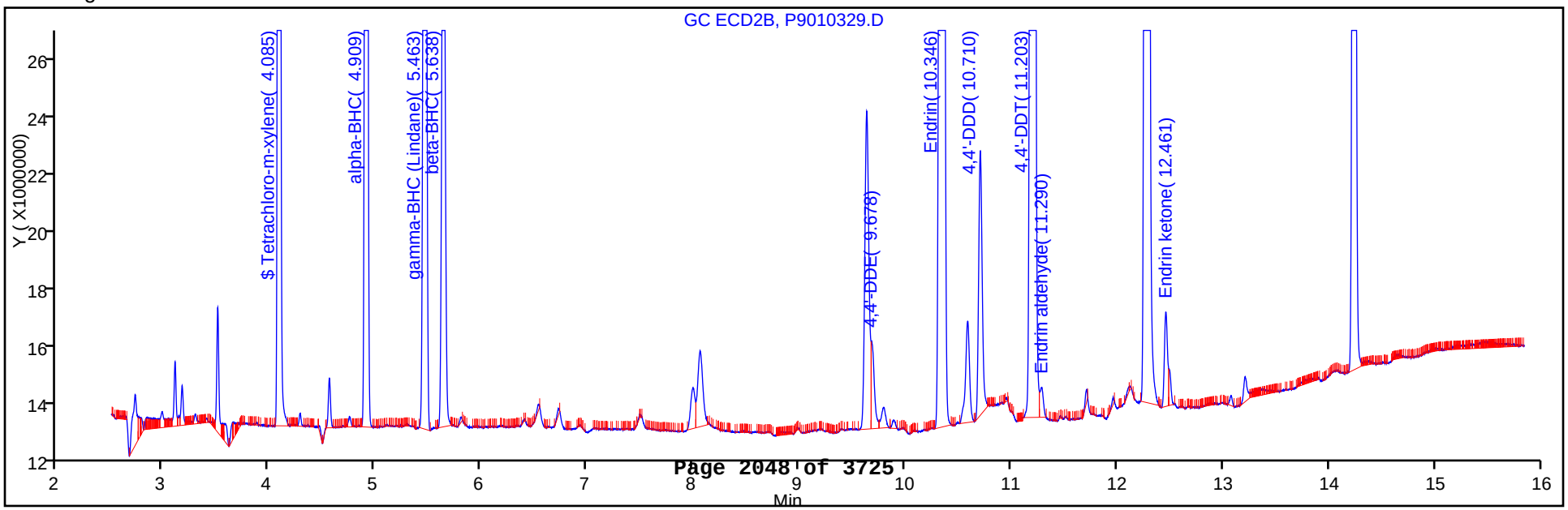
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010329.D

Injection Date:	04-Jan-2013 02:51:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

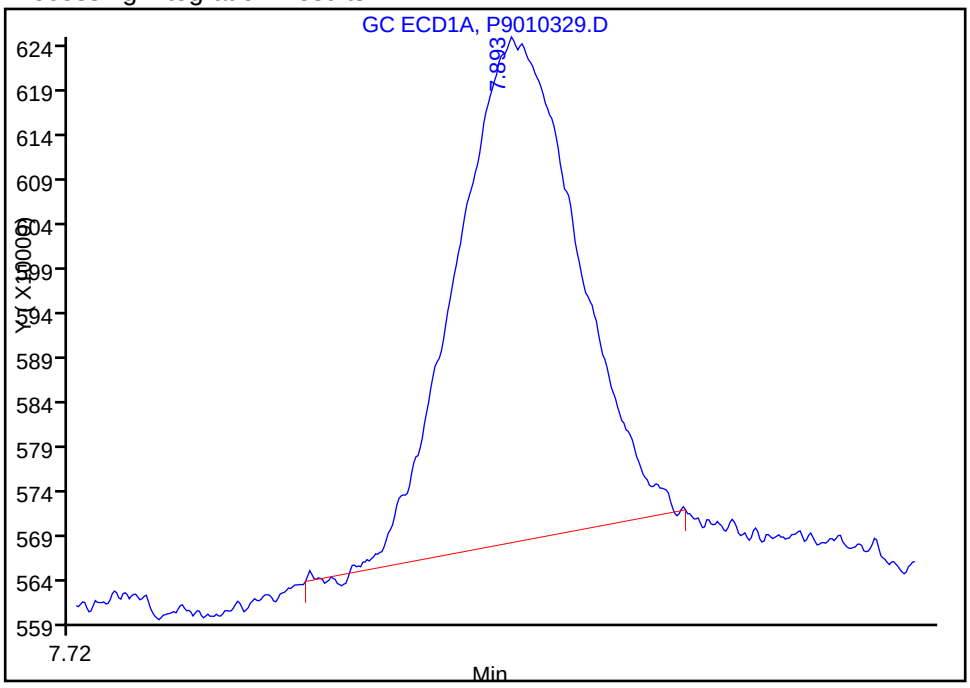
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010329.D		
Injection Date:	04-Jan-2013 02:51:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

2 4,4'-DDE, Signal: 1, Type: quant, RT: 7.89, Det: GC ECD1A

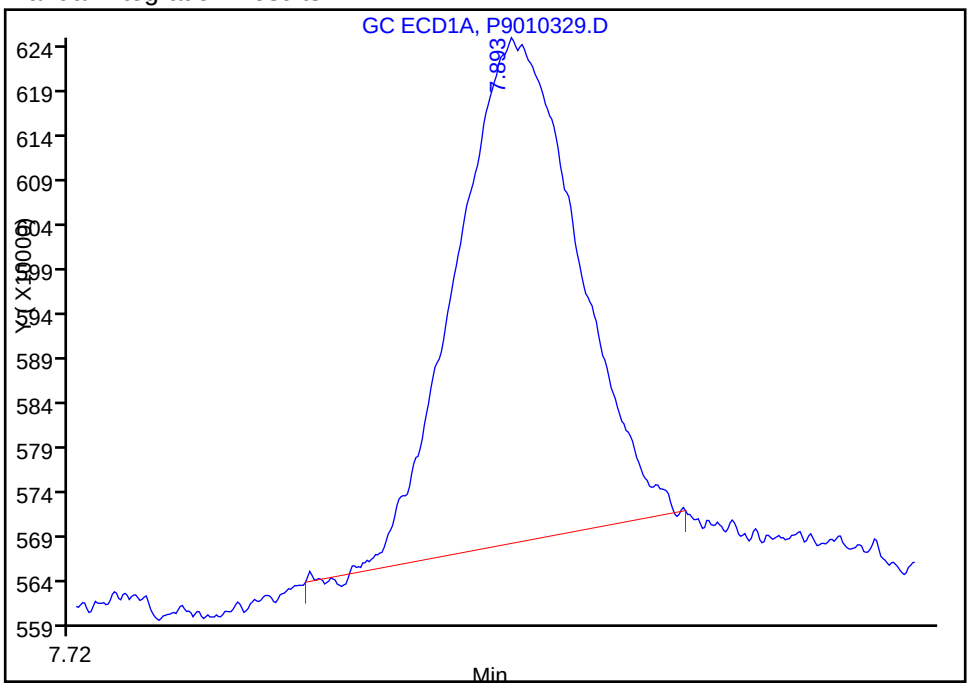
Processing Integration Results

RT: 7.89
Response: 1871268
Amount: 0.000566



Manual Integration Results

RT: 7.89
Response: 1871268
Amount: 0.000566



Reviewer: vandorenc, 04-Jan-2013 10:22:48
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

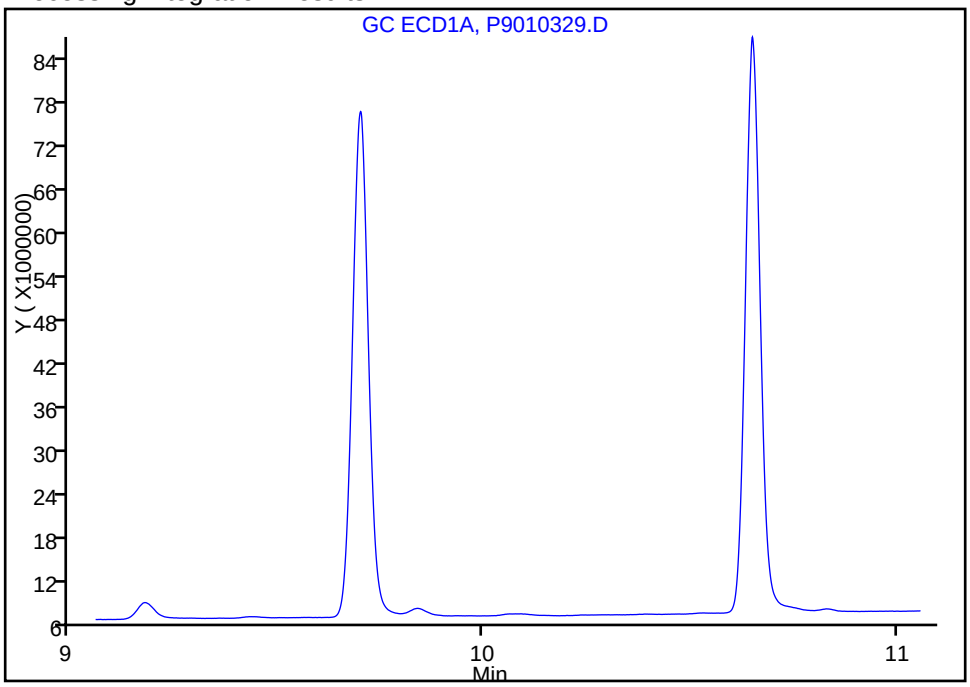
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010329.D		
Injection Date:	04-Jan-2013 02:51:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

18 Endrin aldehyde, Signal: 1, Type: quant, RT: 10.06, Det: GC ECD1A

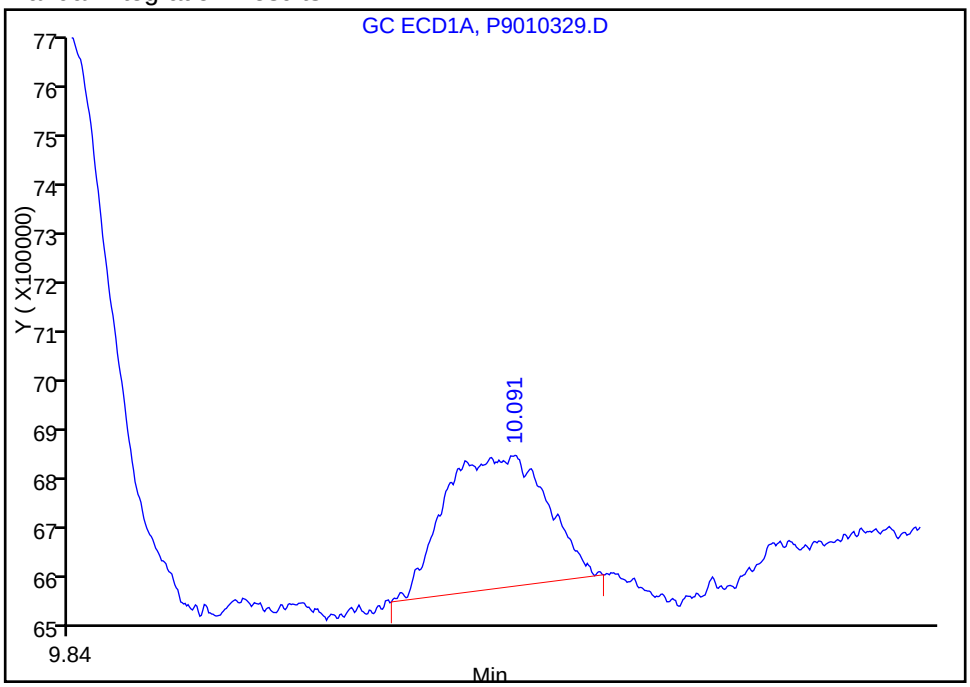
Processing Integration Results

Not Detected
Expected RT: 10.06



Manual Integration Results

RT: 10.09
Response: 974112
Amount: 0.000530



Reviewer: vandorenc, 04-Jan-2013 10:22:48
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Baseline Event

Report Date: 04-Jan-2013 12:08:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010329.D		
Injection Date:	04-Jan-2013 02:51:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

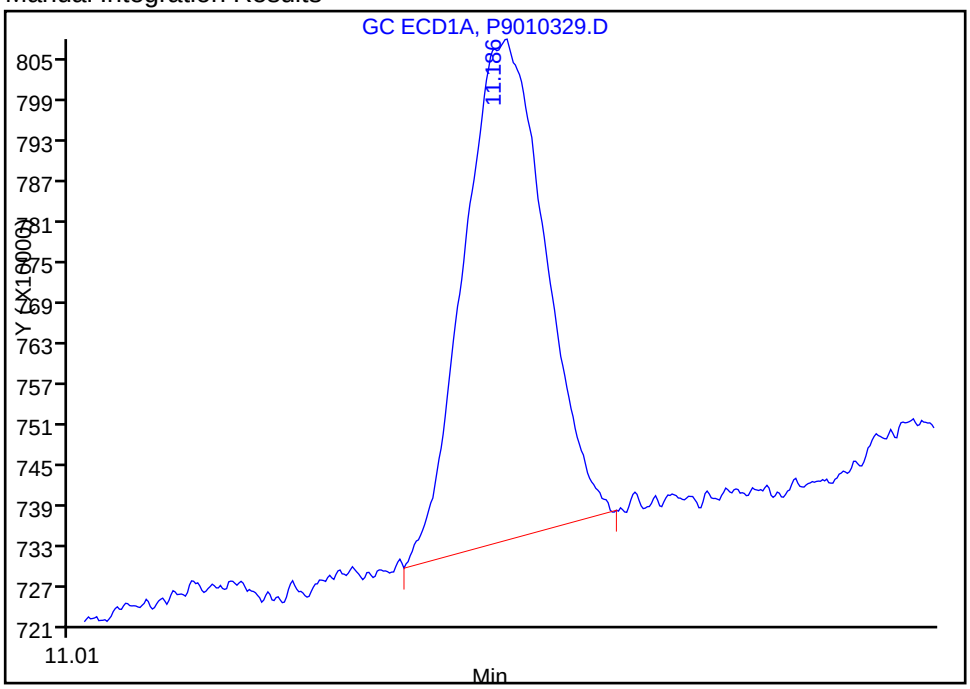
19 Endrin ketone, Signal: 1, Type: quant, RT: 11.18, Det: GC ECD1A

Processing Integration Results

RT: 0.00
Response: 0
Amount: 0

Manual Integration Results

RT: 11.19
Response: 1691943
Amount: 0.000723



Reviewer: vandorenc, 04-Jan-2013 10:22:48
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: PEM 240-71028/29 Calibration Date: 01/04/2013 02:51

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010329.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.35	370619451	2.37	15	
Endrin aldehyde	11.29	2361426			
Endrin ketone	12.46	6621092			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.20	501460410	5.12	15	
4,4'-DDD	10.71	20942992			
4,4'-DDE	9.68	6133919			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010329.D
Lims ID: PEM Client ID:
Inject. Date: 04-Jan-2013 02:51:45 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0016373-029
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 71028 Lims Sample ID: 29
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 09:51:05 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 10:22:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.496	3.496	0.000	58331582	0.0215			
2	100	4.085	4.085	0.000	180874420	0.0206			
						RPD = 4.01			
5 alpha-BHC									
1	100	4.179	4.179	0.000	42339199	0.0111			
2	100	4.909	4.908	0.001	135334056	0.0103			
						RPD = 7.88			
20 gamma-BHC (Lindane)									
1	100	4.555	4.555	0.000	31881131	0.0102			
2	100	5.463	5.462	0.001	103837041	0.0100			
						RPD = 2.75			
7 beta-BHC									
1	100	4.686	4.686	0.000	15908958	0.0117			
2	100	5.638	5.637	0.001	52444388	0.0120			
						RPD = 2.50			
2 4,4'-DDE									M
1	100	7.893	7.894	-0.001	1871268	0.000566			M
2	100	9.678	9.686	-0.008	6133919	0.000710			
						RPD = 22.52			
17 Endrin									
1	100	8.814	8.813	0.001	128129921	0.0524			
2	100	10.346	10.344	0.002	370619451	0.0526			
						RPD = 0.35			
1 4,4'-DDD									
1	100	9.179	9.181	-0.002	6570433	0.003476			
2	100	10.710	10.717	-0.007	20942992	0.001691			
						RPD = 69.11			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									M
1	100	9.702	9.701	0.001	188598472	0.1005			
2	100	11.203	11.204	-0.001	501460410	0.1075			M
						RPD = 6.74			
18 Endrin aldehyde									M
1	100	10.091	10.060	0.031	974112	0.000530			7M
2	100	11.290	11.290	0.000	2361426	0.000450			7M
						RPD = 16.37			
LOD = 0.000500									
27 Methoxychlor									E
1	100		10.654						
2	100		12.283						
19 Endrin ketone									M
1	100	11.186	11.185	0.001	1691943	0.000723			M
2	100	12.461	12.461	0.000	6621092	0.001059			M
						RPD = 37.74			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

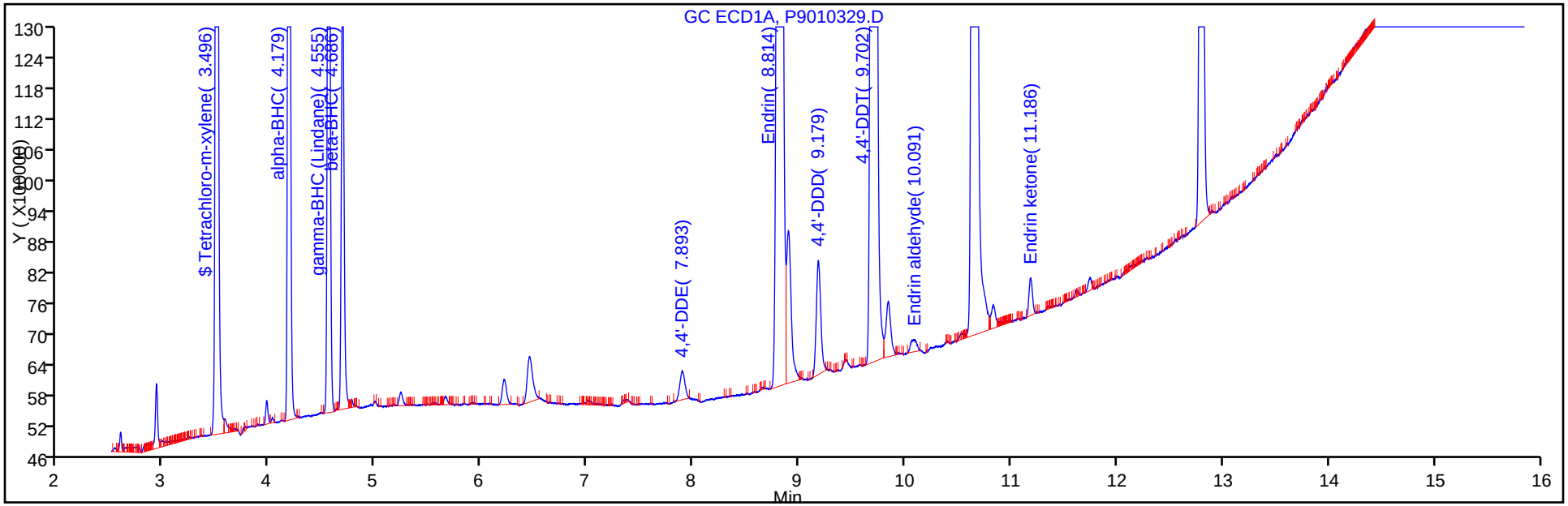
Report Date: 04-Jan-2013 12:08:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

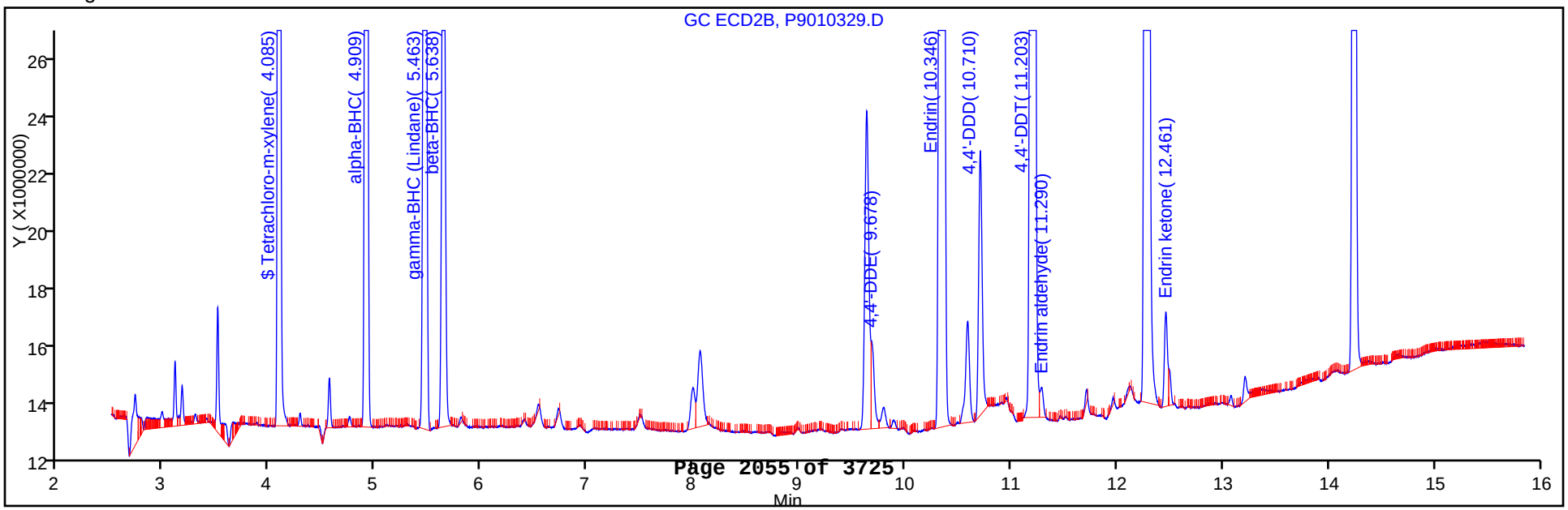
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010329.D

Injection Date:	04-Jan-2013 02:51:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 04-Jan-2013 12:08:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010329.D		
Injection Date:	04-Jan-2013 02:51:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

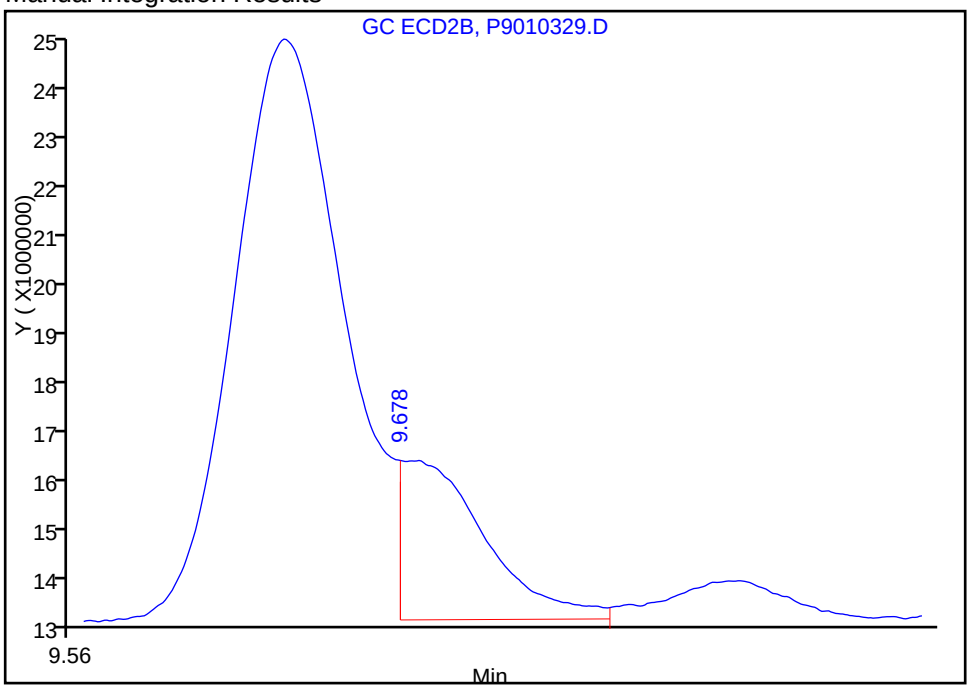
2 4,4'-DDE, Signal: 2, Type: quant, RT: 9.69, Det: GC ecd2b

Processing Integration Results

RT: 0.00
Response: 0
Amount: 0

Manual Integration Results

RT: 9.68
Response: 6133919
Amount: 0.000710



Reviewer: vandorenc, 04-Jan-2013 10:22:48
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

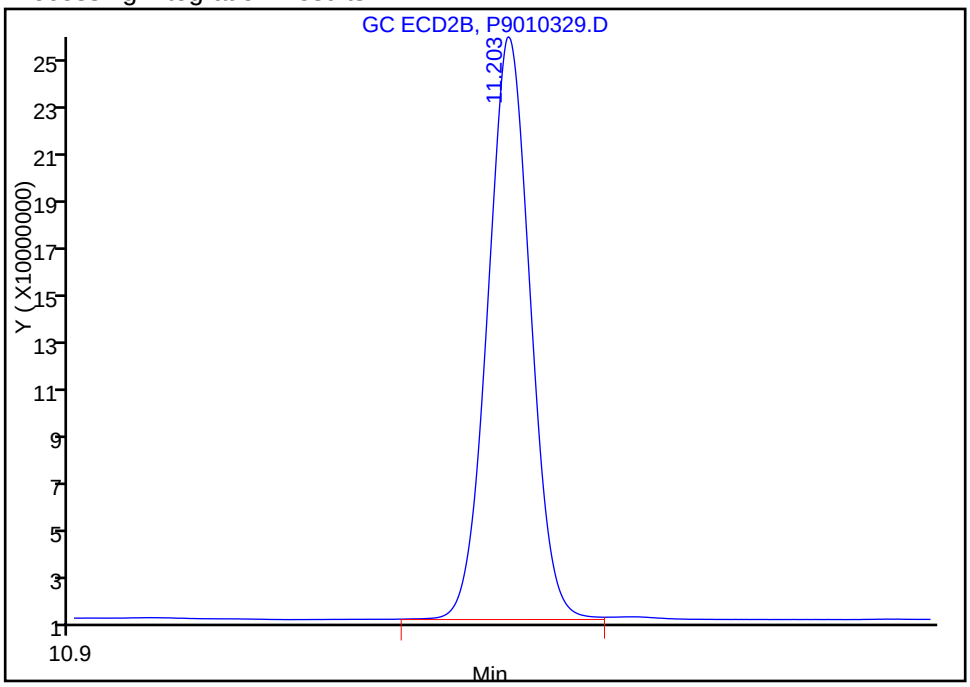
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010329.D		
Injection Date:	04-Jan-2013 02:51:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 4,4'-DDT, Signal: 2, Type: quant, RT: 11.20, Det: GC ecd2b

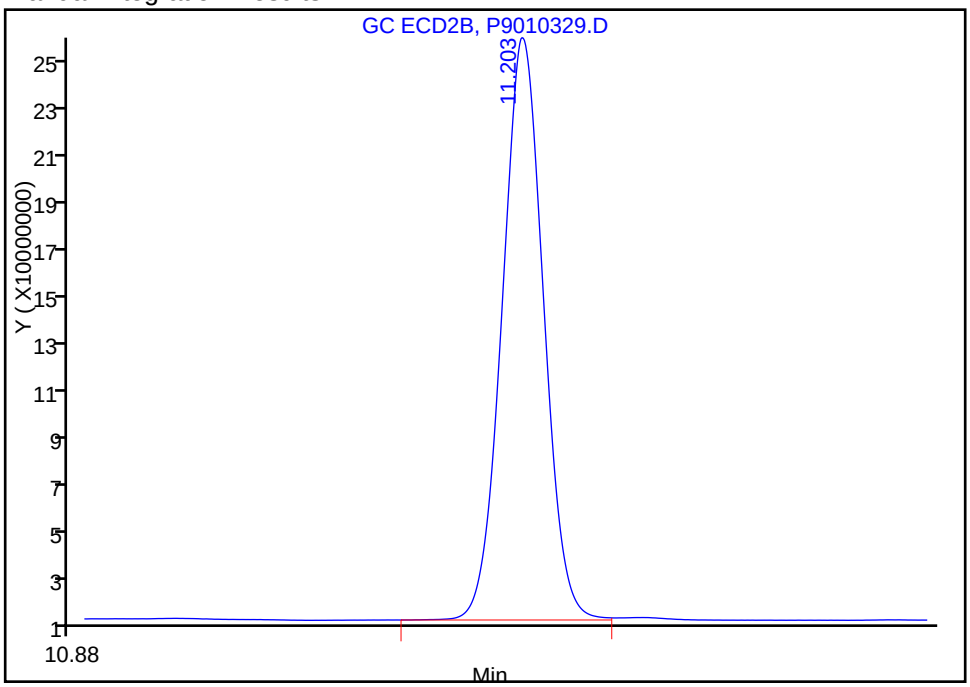
Processing Integration Results

RT: 11.20
Response: 502409626
Amount: 0.107686



Manual Integration Results

RT: 11.20
Response: 501460410
Amount: 0.107482



Reviewer: vandorenc, 04-Jan-2013 10:22:48
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

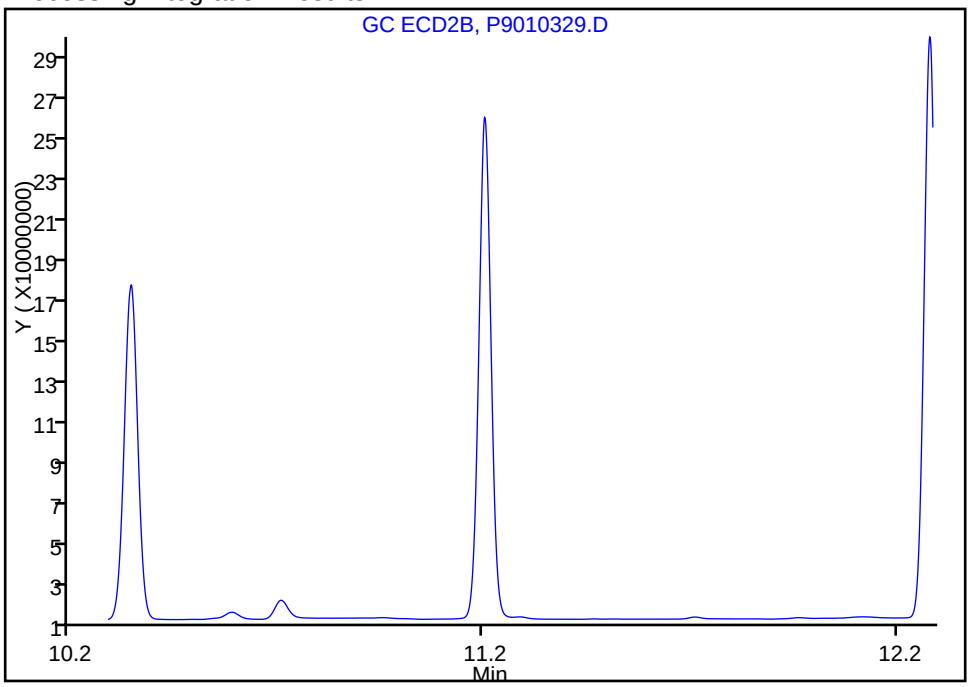
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010329.D		
Injection Date:	04-Jan-2013 02:51:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

18 Endrin aldehyde, Signal: 2, Type: quant, RT: 11.29, Det: GC ecd2b

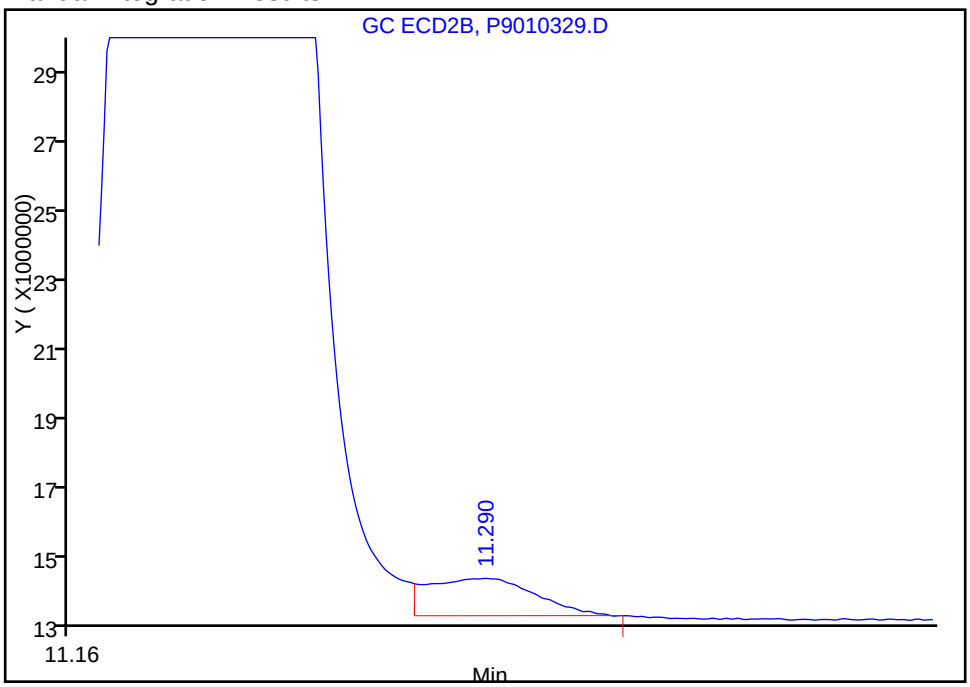
Processing Integration Results

Not Detected
Expected RT: 11.29



Manual Integration Results

RT: 11.29
Response: 2361426
Amount: 0.000450



Reviewer: vandorenc, 04-Jan-2013 10:22:48
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Baseline Event

Report Date: 04-Jan-2013 12:08:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010329.D		
Injection Date:	04-Jan-2013 02:51:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

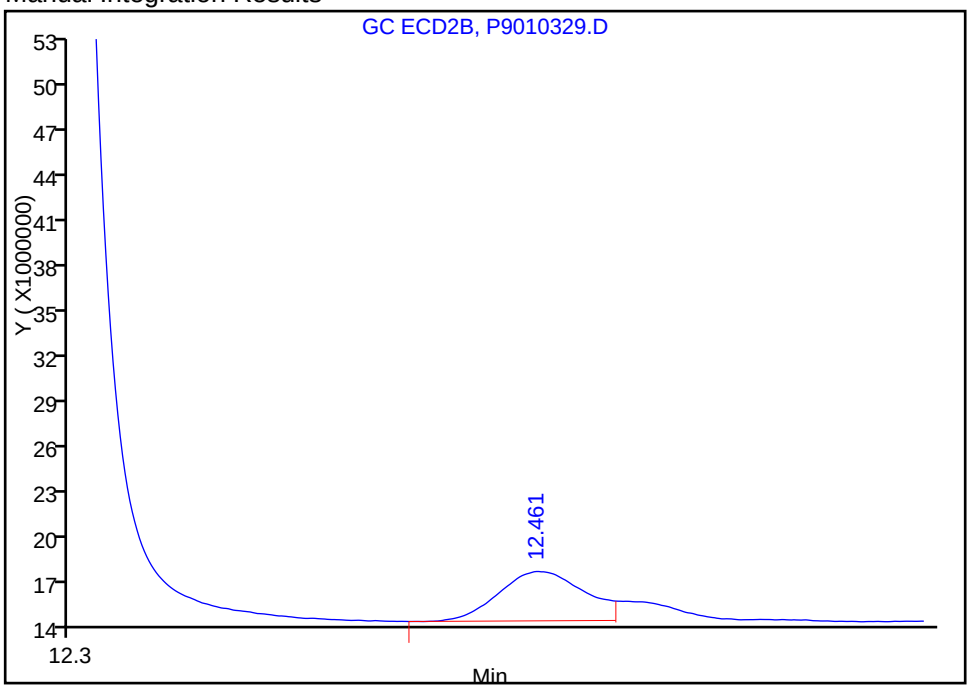
19 Endrin ketone, Signal: 2, Type: quant, RT: 12.46, Det: GC ecd2b

Processing Integration Results

RT: 0.00
Response: 0
Amount: 0

Manual Integration Results

RT: 12.46
Response: 6621092
Amount: 0.001059



Reviewer: vandorenc, 04-Jan-2013 10:22:48
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67554/17 Calibration Date: 12/06/2012 16:16

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9120617.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	68992790	39207309		0.568	1.00	-43.2*	20.0
Toxaphene Peak 2	Ave	85469637	68167548		0.798	1.00	-20.2*	20.0
Toxaphene Peak 3	Ave	73765512	68088453		0.923	1.00	-7.7	20.0
Toxaphene Peak 4	Ave	98743767	108899183		1.10	1.00	10.3	20.0
Toxaphene Peak 5	Ave	63625849	95304588		1.50	1.00	49.8*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67554/17 Calibration Date: 12/06/2012 16:16

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9120617.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.51	9.48	9.54
Toxaphene Peak 2	9.95	9.92	9.98
Toxaphene Peak 3	10.02	9.99	10.05
Toxaphene Peak 4	10.60	10.58	10.64
Toxaphene Peak 5	11.17	11.14	11.20

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120617.D
Lims ID: ICV Client ID:
Inject. Date: 06-Dec-2012 16:16:09 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015581-017
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 67554 Lims Sample ID: 17
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:40 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:53:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.507	9.508	-0.001	39207309	0.5683		100.0	M
1	2	9.950	9.951	-0.001	68167548	0.7976	105.5- 145.5	173.9	M
1	3	10.023	10.021	0.002	68088453	0.9230	90.3- 130.3	173.7	M
1	4	10.603	10.605	-0.002	108899183	1.10	116.9- 156.9	277.8	M
1	5	11.168	11.170	-0.002	95304588	1.50	64.5- 104.5	243.1	M
			Average of Peak Amounts =			0.9779			
2	100	10.898	10.898	0.000	161727066	0.6092		100.0	M
2	2	11.447	11.448	-0.001	111317261	0.6707	43.7- 83.7	68.8	M
2	3	11.848	11.848	0.000	156685730	0.9137	45.7- 85.7	96.9	M
2	4	12.077	12.077	0.000	244273242	0.9512	80.2- 120.2	151.0	M
2	5	12.461	12.464	-0.003	105618515	0.8639	28.1- 68.1	65.3	M
			Average of Peak Amounts =			0.8017			
						RPD = 19.80			

QC Flag Legend

Review Flags
M - Manually Integrated

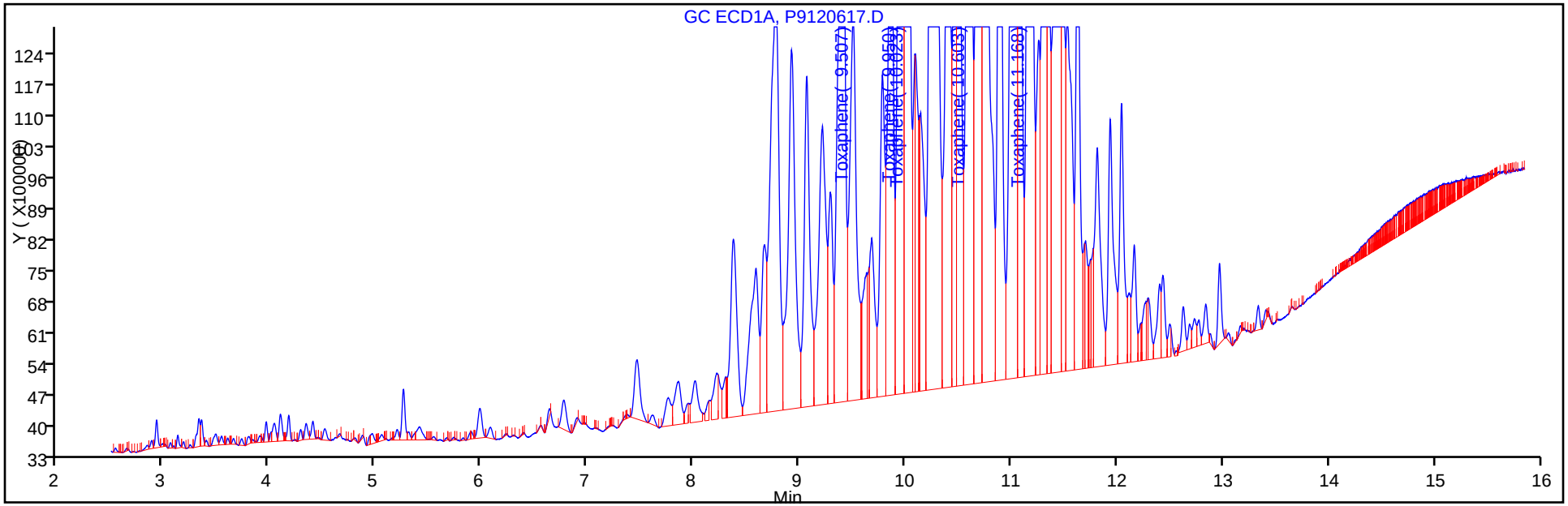
Report Date: 07-Dec-2012 10:25:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

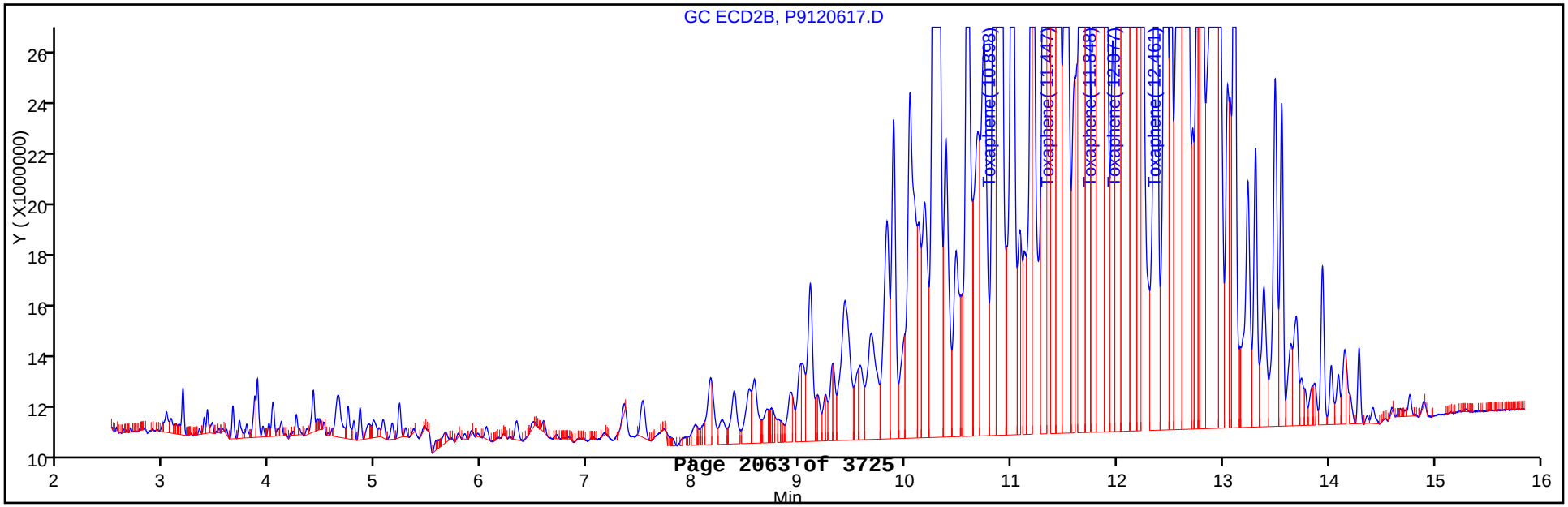
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120617.D

Injection Date:	06-Dec-2012 16:16:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



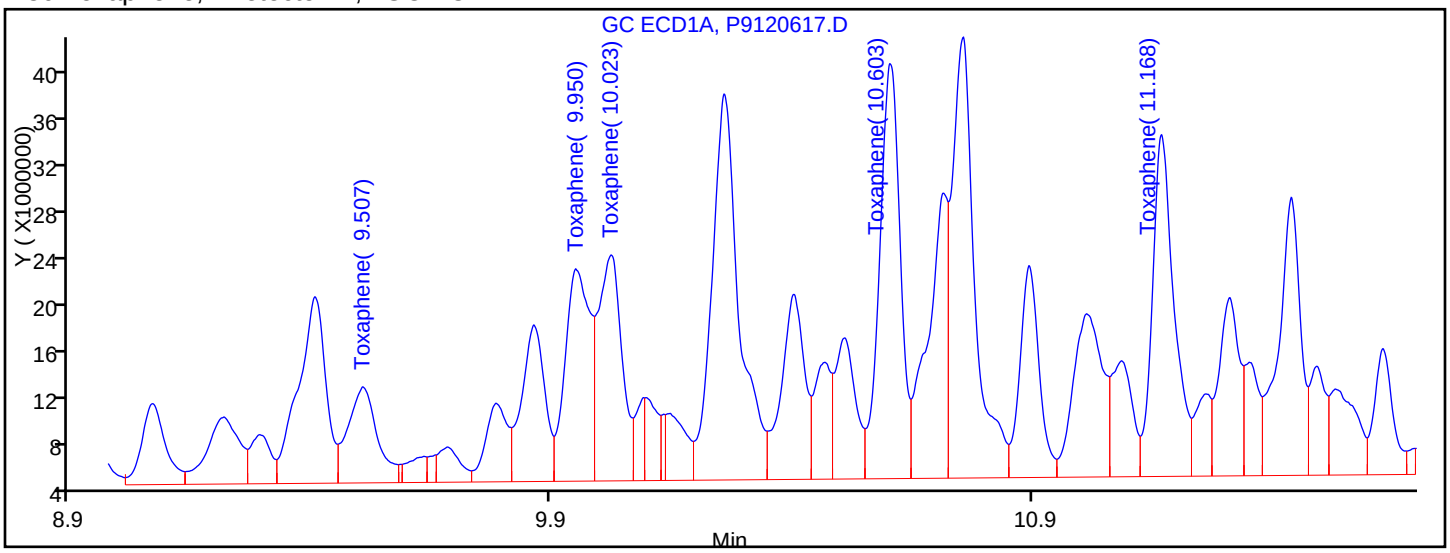
Report Date: 07-Dec-2012 10:25:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120617.D

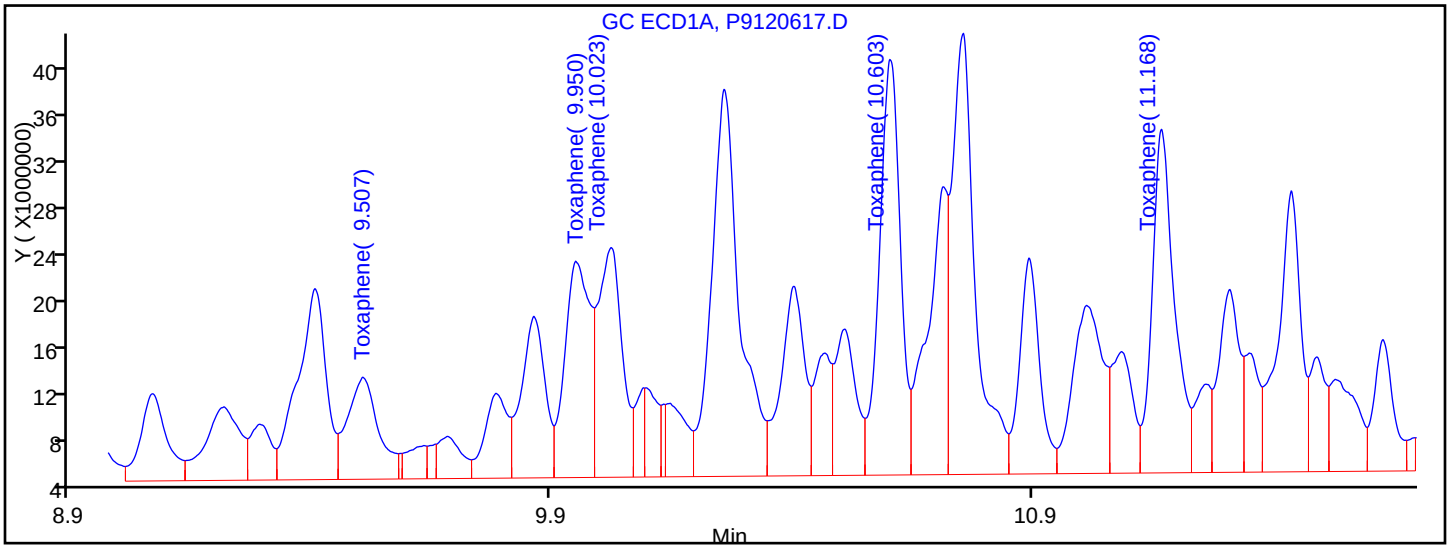
Injection Date:	06-Dec-2012 16:16:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.507	Response = 34282558	M
RT = 9.950	Response = 64878341	M
RT = 10.023	Response = 64930404	M
RT = 10.603	Response = 105162425	M
RT = 11.168	Response = 91153670	M



Manual Integration Results

RT = 9.507	Response = 39207309	M
RT = 9.950	Response = 68167548	M
RT = 10.023	Response = 68088453	M
RT = 10.603	Response = 108899183	M
RT = 11.168	Response = 95304588	M

Reviewer: vandorenc, 07-Dec-2012 07:59:02

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67554/17 Calibration Date: 12/06/2012 16:16

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9120617.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	265485355	161727066		0.609	1.00	-39.1*	20.0
Toxaphene Peak 2	Ave	165982849	111317261		0.671	1.00	-32.9*	20.0
Toxaphene Peak 3	Ave	171487862	156685730		0.914	1.00	-8.6	20.0
Toxaphene Peak 4	Ave	256795996	244273242		0.951	1.00	-4.9	20.0
Toxaphene Peak 5	Ave	122259762	105618515		0.864	1.00	-13.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67554/17 Calibration Date: 12/06/2012 16:16

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9120617.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.90	10.87	10.93
Toxaphene Peak 2	11.45	11.42	11.48
Toxaphene Peak 3	11.85	11.82	11.88
Toxaphene Peak 4	12.08	12.05	12.11
Toxaphene Peak 5	12.46	12.43	12.49

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120617.D
Lims ID: ICV Client ID:
Inject. Date: 06-Dec-2012 16:16:09 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015581-017
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 67554 Lims Sample ID: 17
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\PEST9.m
Last Update: 07-Dec-2012 10:25:40 Calib Date: 06-Dec-2012 18:34:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120622.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: vandorenc Date: 07-Dec-2012 07:53:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.507	9.508	-0.001	39207309	0.5683		100.0	M
1	2	9.950	9.951	-0.001	68167548	0.7976	105.5- 145.5	173.9	M
1	3	10.023	10.021	0.002	68088453	0.9230	90.3- 130.3	173.7	M
1	4	10.603	10.605	-0.002	108899183	1.10	116.9- 156.9	277.8	M
1	5	11.168	11.170	-0.002	95304588	1.50	64.5- 104.5	243.1	M
			Average of Peak Amounts =			0.9779			
2	100	10.898	10.898	0.000	161727066	0.6092		100.0	M
2	2	11.447	11.448	-0.001	111317261	0.6707	43.7- 83.7	68.8	M
2	3	11.848	11.848	0.000	156685730	0.9137	45.7- 85.7	96.9	M
2	4	12.077	12.077	0.000	244273242	0.9512	80.2- 120.2	151.0	M
2	5	12.461	12.464	-0.003	105618515	0.8639	28.1- 68.1	65.3	M
			Average of Peak Amounts =			0.8017			
						RPD = 19.80			

QC Flag Legend

Review Flags
M - Manually Integrated

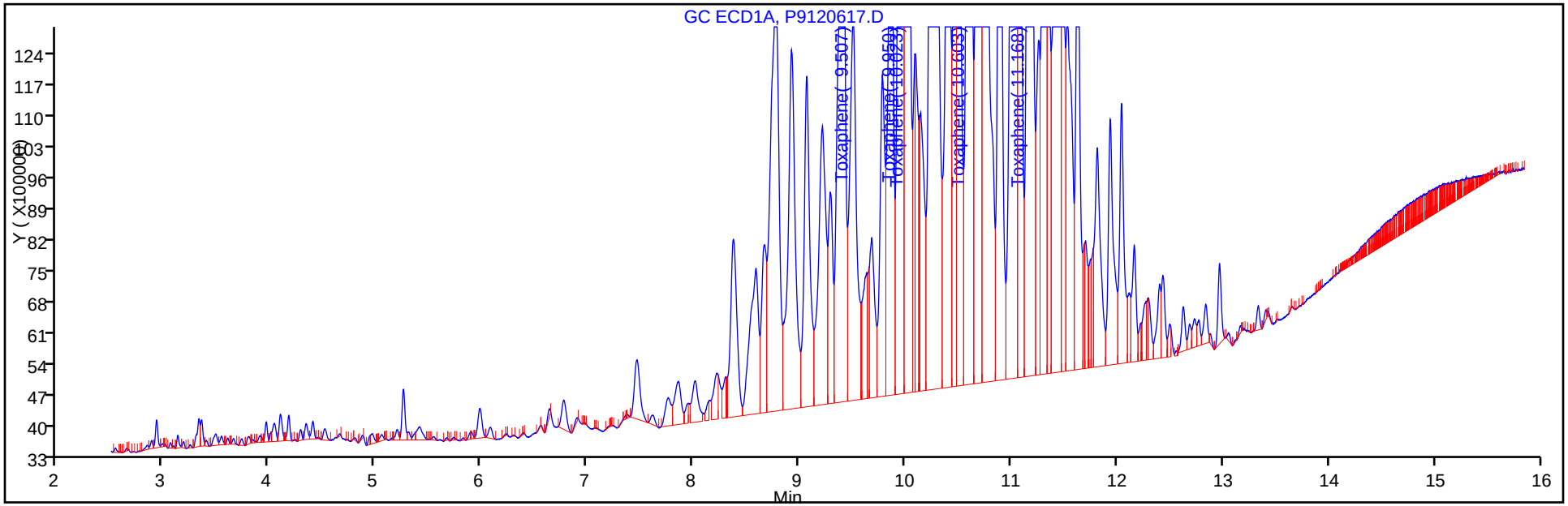
Report Date: 07-Dec-2012 10:25:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

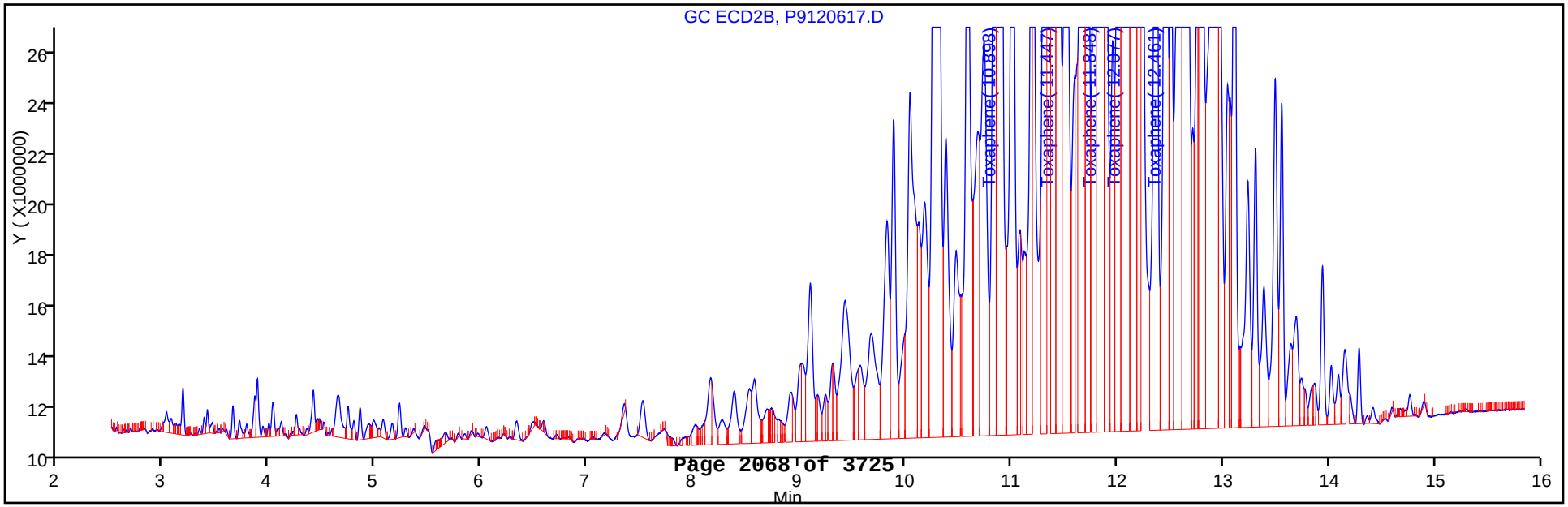
Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120617.D

Injection Date:	06-Dec-2012 16:16:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



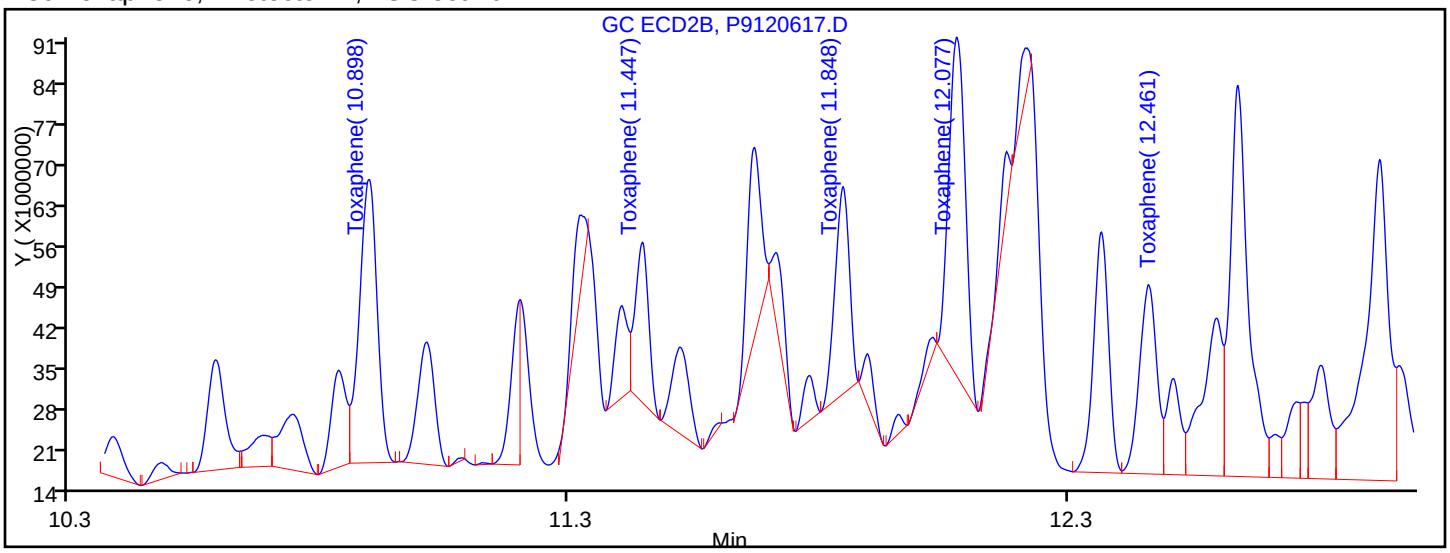
Report Date: 07-Dec-2012 10:25:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121206-15581.b\P9120617.D

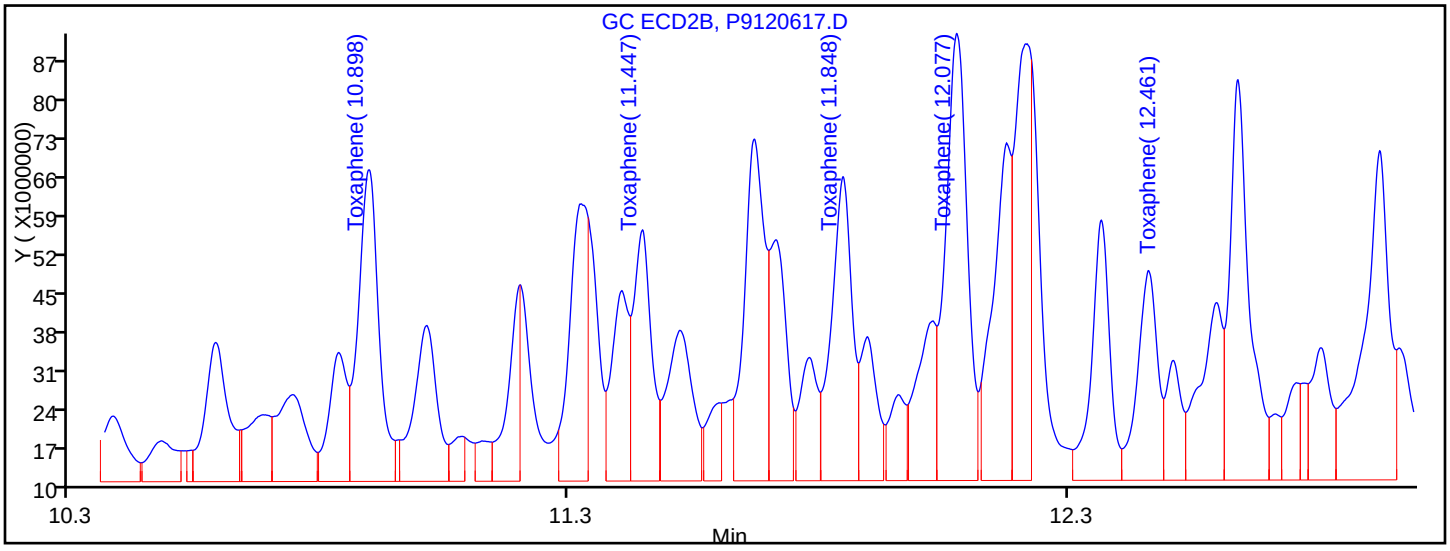
Injection Date:	06-Dec-2012 16:16:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	67554	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.898	Response = 121603683	M
RT = 11.447	Response = 51303547	M
RT = 11.848	Response = 72063183	M
RT = 12.077	Response = 135665421	M
RT = 12.461	Response = 79499235	M



Manual Integration Results

RT = 10.898	Response = 161727066	M
RT = 11.447	Response = 111317261	M
RT = 11.848	Response = 156685730	M
RT = 12.077	Response = 244273242	M
RT = 12.461	Response = 105618515	M

Reviewer: vandorenc, 07-Dec-2012 07:59:02

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-69893/11 Calibration Date: 12/22/2012 15:37

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9122211.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3809820948	4039515520		0.0265	0.0250	6.0	20.0
gamma-BHC (Lindane)	Ave	3115561773	3374787160		0.0271	0.0250	8.3	20.0
beta-BHC	Ave	1356797063	1474741280		0.0272	0.0250	8.7	20.0
delta-BHC	Ave	3375911380	3631201880		0.0269	0.0250	7.6	20.0
Heptachlor	Ave	2743824669	3111274160		0.0283	0.0250	13.4	20.0
Aldrin	Ave	3555606031	3769787000		0.0265	0.0250	6.0	20.0
Heptachlor epoxide	Ave	2721274567	2951023680		0.0271	0.0250	8.4	20.0
gamma-Chlordane	Ave	3063197814	3225258800		0.0263	0.0250	5.3	20.0
alpha-Chlordane	Ave	3157953329	3245688040		0.0257	0.0250	2.8	20.0
Endosulfan I	Ave	2558663944	2770143320		0.0271	0.0250	8.3	20.0
4,4'-DDE	Ave	3306510503	3552352560		0.0269	0.0250	7.4	20.0
Dieldrin	Ave	2654935053	2861410320		0.0269	0.0250	7.8	20.0
Endrin	Ave	2443787478	2600647600		0.0266	0.0250	6.4	20.0
4,4'-DDD	Ave	1890252848	2030152280		0.0269	0.0250	7.4	20.0
Endosulfan II	Ave	2526594343	2723076520		0.0269	0.0250	7.8	20.0
4,4'-DDT	Ave	1877093720	2075640560		0.0276	0.0250	10.6	20.0
Endrin aldehyde	Ave	1838690332	1991923280		0.0271	0.0250	8.3	20.0
Methoxychlor	Ave	877879613	973407080		0.0277	0.0250	10.9	20.0
Endosulfan sulfate	Ave	2238400517	2436887280		0.0272	0.0250	8.9	20.0
Endrin ketone	Ave	2341348883	2481018000		0.0265	0.0250	6.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-69893/11 Calibration Date: 12/22/2012 15:37

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9122211.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.15	4.21
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.69	4.66	4.72
delta-BHC	4.90	4.87	4.93
Heptachlor	5.18	5.15	5.22
Aldrin	5.63	5.60	5.66
Heptachlor epoxide	6.86	6.83	6.89
gamma-Chlordane	7.16	7.14	7.20
alpha-Chlordane	7.51	7.49	7.55
Endosulfan I	7.79	7.76	7.82
4,4'-DDE	7.90	7.87	7.93
Dieldrin	8.36	8.33	8.39
Endrin	8.82	8.79	8.85
4,4'-DDD	9.19	9.16	9.22
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.71	9.68	9.74
Endrin aldehyde	10.07	10.04	10.10
Methoxychlor	10.66	10.63	10.69
Endosulfan sulfate	10.79	10.76	10.82
Endrin ketone	11.19	11.16	11.22

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122211.D
Lims ID: ICV Client ID:
Inject. Date: 22-Dec-2012 15:37:27 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0016122-011
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 69893 Lims Sample ID: 11
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:54 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 10:50:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.181	4.182	-0.001	100987888	0.0265			
2	100	4.912	4.913	-0.001	341927551	0.0259			
						RPD = 2.13			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	84369679	0.0271			
2	100	5.467	5.467	0.000	278526382	0.0267			
						RPD = 1.41			
7 beta-BHC									
1	100	4.688	4.689	-0.001	36868532	0.0272			
2	100	5.643	5.643	0.000	116003689	0.0266			
						RPD = 2.16			
11 delta-BHC									
1	100	4.901	4.902	-0.001	90780047	0.0269			
2	100	6.192	6.192	0.000	283196358	0.0261			
						RPD = 3.02			
22 Heptachlor									
1	100	5.182	5.183	-0.001	77781854	0.0283			
2	100	6.289	6.289	0.000	246001669	0.0279			
						RPD = 1.45			
4 Aldrin									
1	100	5.632	5.633	-0.001	94244675	0.0265			
2	100	7.003	7.005	-0.002	281700133	0.0265			
						RPD = 0.05			
23 Heptachlor epoxide									
1	100	6.858	6.860	-0.002	73775592	0.0271			
2	100	8.492	8.492	0.000	226628994	0.0272			
						RPD = 0.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	80631470	0.0263			
2	100	8.919	8.919	0.000	236922539	0.0265			
						RPD = 0.77			
6 alpha-Chlordane									
1	100	7.514	7.516	-0.002	81142201	0.0257			
2	100	9.232	9.232	0.000	227744534	0.0257			
						RPD = 0.17			
14 Endosulfan I									
1	100	7.792	7.794	-0.002	69253583	0.0271			
2	100	9.293	9.294	-0.001	196479693	0.0275			
						RPD = 1.75			
2 4,4'-DDE									
1	100	7.898	7.899	-0.001	88808814	0.0269			
2	100	9.694	9.694	0.000	229463705	0.0265			
						RPD = 1.18			
13 Dieldrin									
1	100	8.358	8.361	-0.003	71535258	0.0269			
2	100	9.829	9.829	0.000	217654379	0.0274			
						RPD = 1.84			
17 Endrin									
1	100	8.817	8.818	-0.001	65016190	0.0266			
2	100	10.351	10.351	0.000	189786480	0.0269			
						RPD = 1.26			
1 4,4'-DDD									
1	100	9.186	9.185	0.001	50753807	0.0269			
2	100	10.724	10.724	0.000	338379365	0.0273			
						RPD = 1.72			
15 Endosulfan II									
1	100	9.269	9.269	0.000	68076913	0.0269			
2	100	10.724	10.724	0.000	338379365	0.0273			
						RPD = 1.38			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	51891014	0.0276			
2	100	11.209	11.209	0.000	127071913	0.0272			
						RPD = 1.49			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	49798082	0.0271			
2	100	11.297	11.297	0.000	144159571	0.0274			
						RPD = 1.34			
27 Methoxychlor									
1	100	10.658	10.659	-0.001	24335177	0.0277			
2	100	12.288	12.288	0.000	63551889	0.0275			
						RPD = 0.77			
16 Endosulfan sulfate									
1	100	10.787	10.789	-0.002	60922182	0.0272			
2	100	11.729	11.730	-0.001	174462524	0.0275			
						RPD = 0.87			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.188	11.188	0.000	62025450	0.0265			
2	100	12.467	12.467	0.000	167953549	0.0269			
						RPD = 1.37			

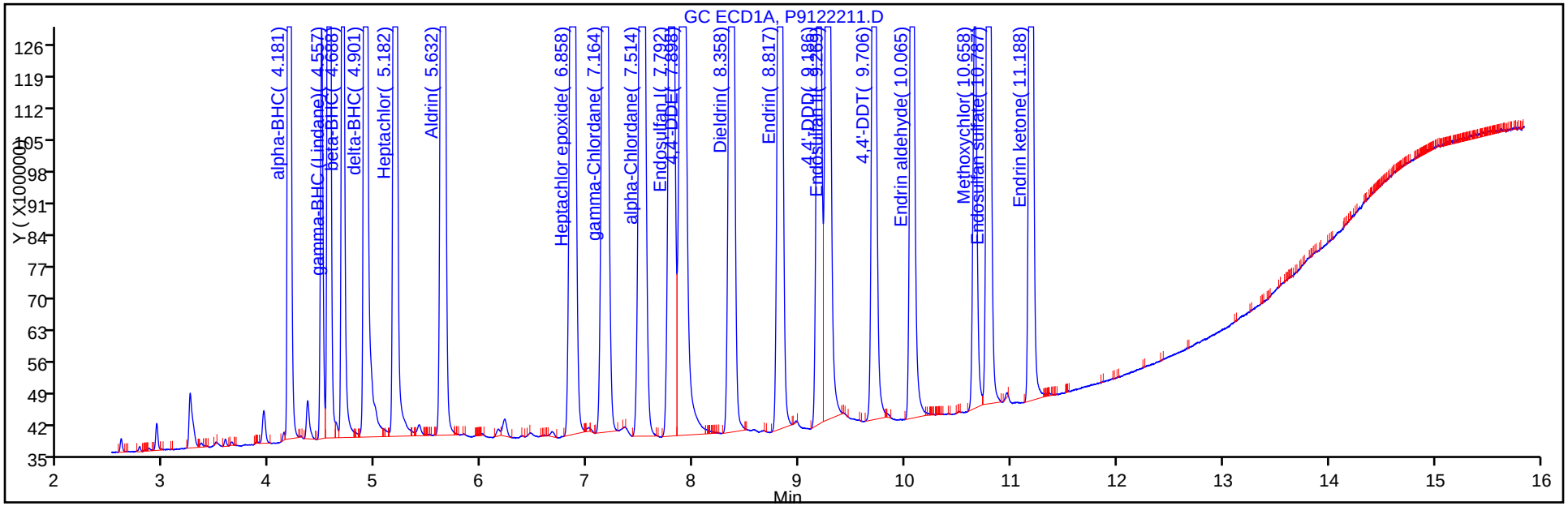
Report Date: 31-Dec-2012 10:57:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

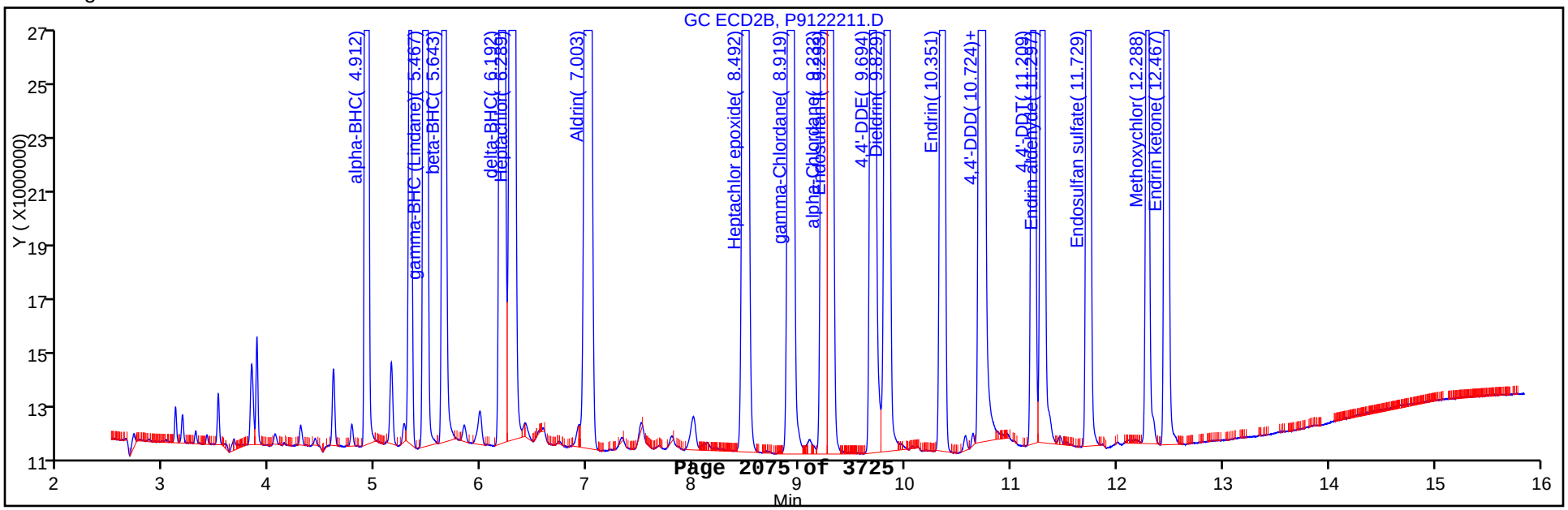
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122211.D

Injection Date:	22-Dec-2012 15:37:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-69893/11 Calibration Date: 12/22/2012 15:37

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9122211.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13177110828	13677102040		0.0259	0.0250	3.8	20.0
gamma-BHC (Lindane)	Ave	10430817708	11141055280		0.0267	0.0250	6.8	20.0
beta-BHC	Ave	4362472019	4640147560		0.0266	0.0250	6.4	20.0
delta-BHC	Ave	10854717199	11327854320		0.0261	0.0250	4.4	20.0
Heptachlor	Ave	8804394038	9840066760		0.0279	0.0250	11.8	20.0
Aldrin	Ave	10632857867	11268005320		0.0265	0.0250	6.0	20.0
Heptachlor epoxide	Ave	8343678396	9065159760		0.0272	0.0250	8.6	20.0
gamma-Chlordane	Ave	8931440033	9476901560		0.0265	0.0250	6.1	20.0
alpha-Chlordane	Ave	8848756132	9109781360		0.0257	0.0250	2.9	20.0
Endosulfan I	Ave	7133143283	7859187720		0.0275	0.0250	10.2	20.0
4,4'-DDE	Ave	8644997313	9178548200		0.0265	0.0250	6.2	20.0
Dieldrin	Ave	7930499061	8706175160		0.0274	0.0250	9.8	20.0
Endrin	Ave	7044330525	7591459200		0.0269	0.0250	7.8	20.0
4,4'-DDD	Ave	12386945794	13535174600		0.0273	0.0250	9.3	20.0
Endosulfan II	Ave	12386945794	13535174600		0.0273	0.0250	9.3	20.0
4,4'-DDT	Ave	4665523587	5082876520		0.0272	0.0250	8.9	20.0
Endrin aldehyde	Ave	5251792496	5766382840		0.0274	0.0250	9.8	20.0
Endosulfan sulfate	Ave	6354273613	6978500960		0.0275	0.0250	9.8	20.0
Methoxychlor	Ave	2310305654	2542075560		0.0275	0.0250	10.0	20.0
Endrin ketone	Ave	6253762508	6718141960		0.0269	0.0250	7.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-69893/11 Calibration Date: 12/22/2012 15:37

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9122211.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.91	4.88	4.94
gamma-BHC (Lindane)	5.47	5.44	5.50
beta-BHC	5.64	5.61	5.67
delta-BHC	6.19	6.16	6.22
Heptachlor	6.29	6.25	6.32
Aldrin	7.00	6.98	7.04
Heptachlor epoxide	8.49	8.46	8.52
gamma-Chlordane	8.92	8.89	8.95
alpha-Chlordane	9.23	9.20	9.26
Endosulfan I	9.29	9.26	9.32
4,4'-DDE	9.69	9.66	9.72
Dieldrin	9.83	9.80	9.86
Endrin	10.35	10.32	10.38
4,4'-DDD	10.72	10.69	10.75
Endosulfan II	10.72	10.69	10.75
4,4'-DDT	11.21	11.18	11.24
Endrin aldehyde	11.30	11.27	11.33
Endosulfan sulfate	11.73	11.70	11.76
Methoxychlor	12.29	12.26	12.32
Endrin ketone	12.47	12.44	12.50

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122211.D
Lims ID: ICV Client ID:
Inject. Date: 22-Dec-2012 15:37:27 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0016122-011
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 69893 Lims Sample ID: 11
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 10:57:54 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 10:50:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.181	4.182	-0.001	100987888	0.0265			
2	100	4.912	4.913	-0.001	341927551	0.0259			
						RPD = 2.13			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	84369679	0.0271			
2	100	5.467	5.467	0.000	278526382	0.0267			
						RPD = 1.41			
7 beta-BHC									
1	100	4.688	4.689	-0.001	36868532	0.0272			
2	100	5.643	5.643	0.000	116003689	0.0266			
						RPD = 2.16			
11 delta-BHC									
1	100	4.901	4.902	-0.001	90780047	0.0269			
2	100	6.192	6.192	0.000	283196358	0.0261			
						RPD = 3.02			
22 Heptachlor									
1	100	5.182	5.183	-0.001	77781854	0.0283			
2	100	6.289	6.289	0.000	246001669	0.0279			
						RPD = 1.45			
4 Aldrin									
1	100	5.632	5.633	-0.001	94244675	0.0265			
2	100	7.003	7.005	-0.002	281700133	0.0265			
						RPD = 0.05			
23 Heptachlor epoxide									
1	100	6.858	6.860	-0.002	73775592	0.0271			
2	100	8.492	8.492	0.000	226628994	0.0272			
						RPD = 0.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	80631470	0.0263			
2	100	8.919	8.919	0.000	236922539	0.0265			
						RPD = 0.77			
6 alpha-Chlordane									
1	100	7.514	7.516	-0.002	81142201	0.0257			
2	100	9.232	9.232	0.000	227744534	0.0257			
						RPD = 0.17			
14 Endosulfan I									
1	100	7.792	7.794	-0.002	69253583	0.0271			
2	100	9.293	9.294	-0.001	196479693	0.0275			
						RPD = 1.75			
2 4,4'-DDE									
1	100	7.898	7.899	-0.001	88808814	0.0269			
2	100	9.694	9.694	0.000	229463705	0.0265			
						RPD = 1.18			
13 Dieldrin									
1	100	8.358	8.361	-0.003	71535258	0.0269			
2	100	9.829	9.829	0.000	217654379	0.0274			
						RPD = 1.84			
17 Endrin									
1	100	8.817	8.818	-0.001	65016190	0.0266			
2	100	10.351	10.351	0.000	189786480	0.0269			
						RPD = 1.26			
1 4,4'-DDD									
1	100	9.186	9.185	0.001	50753807	0.0269			
2	100	10.724	10.724	0.000	338379365	0.0273			
						RPD = 1.72			
15 Endosulfan II									
1	100	9.269	9.269	0.000	68076913	0.0269			
2	100	10.724	10.724	0.000	338379365	0.0273			
						RPD = 1.38			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	51891014	0.0276			
2	100	11.209	11.209	0.000	127071913	0.0272			
						RPD = 1.49			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	49798082	0.0271			
2	100	11.297	11.297	0.000	144159571	0.0274			
						RPD = 1.34			
27 Methoxychlor									
1	100	10.658	10.659	-0.001	24335177	0.0277			
2	100	12.288	12.288	0.000	63551889	0.0275			
						RPD = 0.77			
16 Endosulfan sulfate									
1	100	10.787	10.789	-0.002	60922182	0.0272			
2	100	11.729	11.730	-0.001	174462524	0.0275			
						RPD = 0.87			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.188	11.188	0.000	62025450	0.0265			
2	100	12.467	12.467	0.000	167953549	0.0269			
						RPD = 1.37			

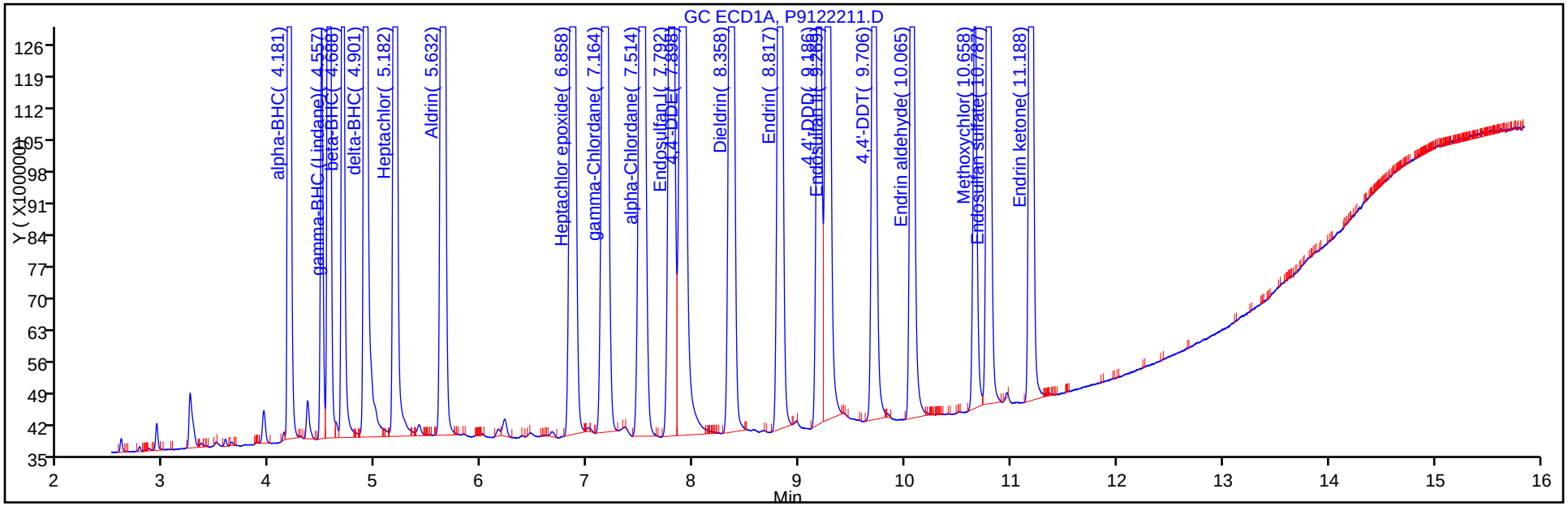
Report Date: 31-Dec-2012 10:57:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

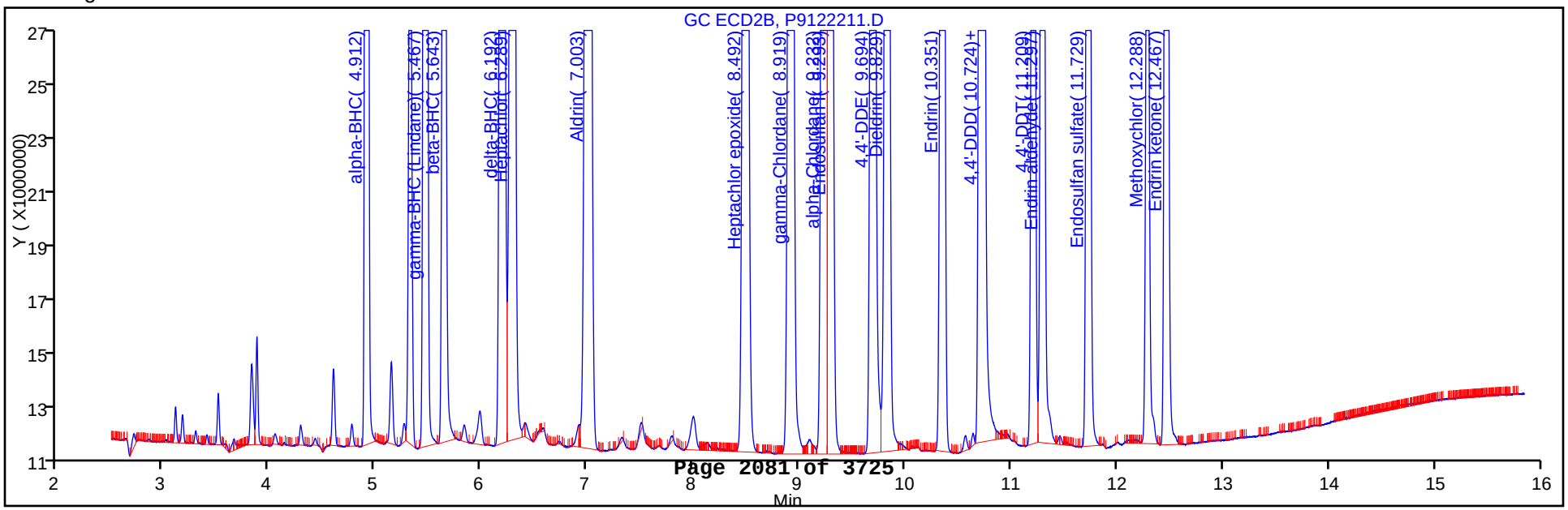
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122211.D

Injection Date:	22-Dec-2012 15:37:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69893/18 Calibration Date: 12/22/2012 18:27

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9122218.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	68992790	71761656		1.04	1.00	4.0	20.0
Toxaphene Peak 2	Ave	85469637	89857025		1.05	1.00	5.1	20.0
Toxaphene Peak 3	Ave	73765512	77269907		1.05	1.00	4.8	20.0
Toxaphene Peak 4	Ave	98743767	101970550		1.03	1.00	3.3	20.0
Toxaphene Peak 5	Ave	63625849	64821985		1.02	1.00	1.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69893/18 Calibration Date: 12/22/2012 18:27

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9122218.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.50	9.47	9.53
Toxaphene Peak 2	9.95	9.92	9.98
Toxaphene Peak 3	10.02	9.99	10.05
Toxaphene Peak 4	10.60	10.57	10.63
Toxaphene Peak 5	11.17	11.14	11.20

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122218.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 22-Dec-2012 18:27:06 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016122-018
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 69893 Lims Sample ID: 18
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 13:52:52 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 11:09:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.498	9.498	0.000	71761656	1.04		100.0	
1	2	9.949	9.949	0.000	89857025	1.05	105.5- 145.5	125.2	
1	3	10.015	10.015	0.000	77269907	1.05	90.3- 130.3	107.7	
1	4	10.599	10.599	0.000	101970550	1.03	116.9- 156.9	142.1	
1	5	11.165	11.165	0.000	64821985	1.02	64.5- 104.5	90.3	
			Average of Peak Amounts =			1.04			
2	100	10.886	10.886	0.000	303978109	1.14		100.0	M
2	2	11.435	11.435	0.000	187388715	1.13	43.7- 83.7	61.6	M
2	3	11.836	11.836	0.000	185398751	1.08	45.7- 85.7	61.0	M
2	4	12.064	12.064	0.000	277559119	1.08	80.2- 120.2	91.3	M
2	5	12.451	12.451	0.000	124574461	1.02	28.1- 68.1	41.0	M
			Average of Peak Amounts =			1.09			
						RPD = 4.97			

QC Flag Legend

Review Flags
M - Manually Integrated

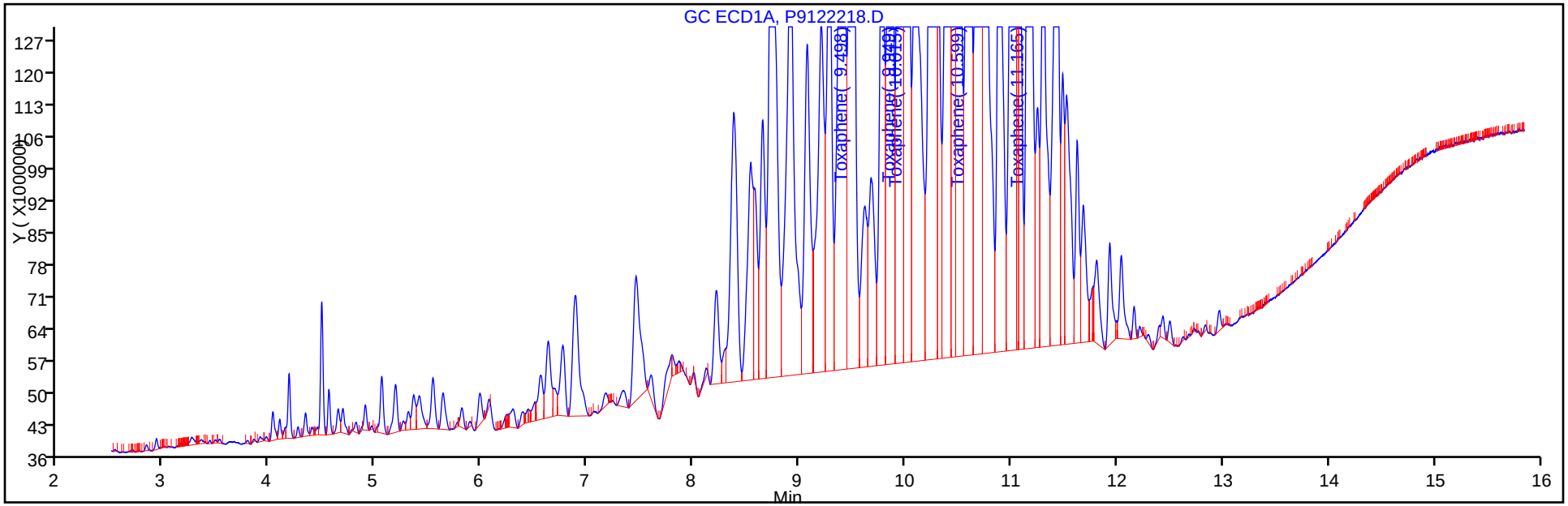
Report Date: 31-Dec-2012 13:52:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

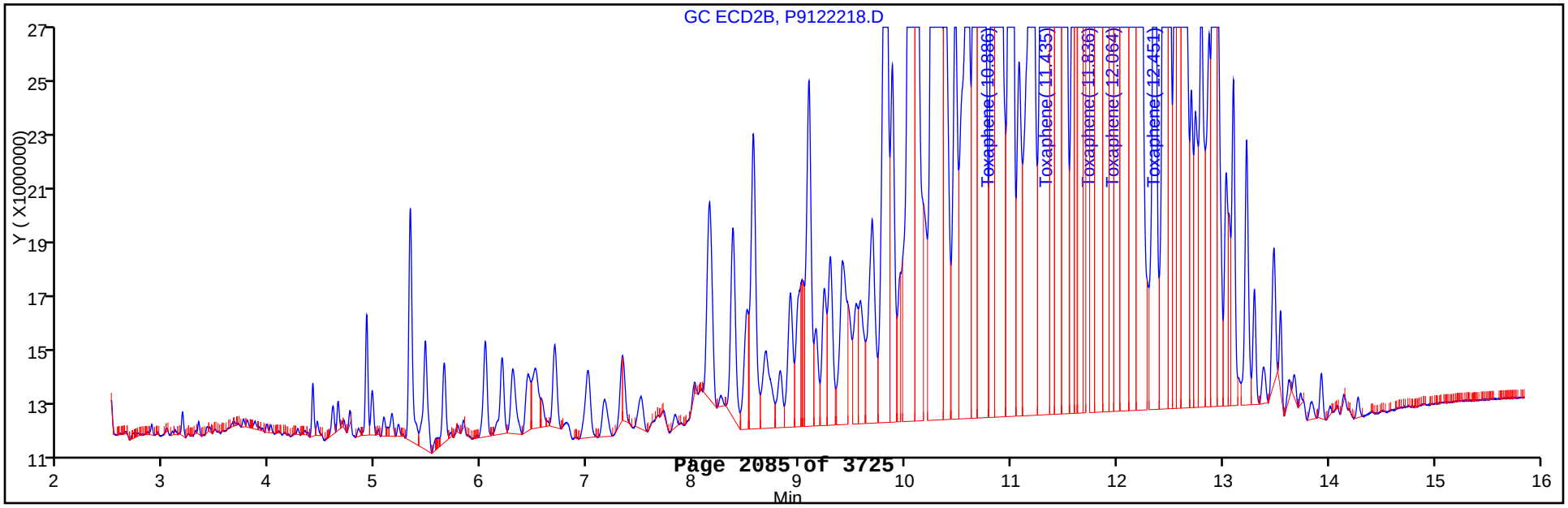
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122218.D

Injection Date:	22-Dec-2012 18:27:06	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	18
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69893/18 Calibration Date: 12/22/2012 18:27

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9122218.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	265485355	303978109		1.14	1.00	14.5	20.0
Toxaphene Peak 2	Ave	165982849	187388715		1.13	1.00	12.9	20.0
Toxaphene Peak 3	Ave	171487862	185398751		1.08	1.00	8.1	20.0
Toxaphene Peak 4	Ave	256795996	277559119		1.08	1.00	8.1	20.0
Toxaphene Peak 5	Ave	122259762	124574461		1.02	1.00	1.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69893/18 Calibration Date: 12/22/2012 18:27

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9122218.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.89	10.86	10.92
Toxaphene Peak 2	11.44	11.41	11.47
Toxaphene Peak 3	11.84	11.81	11.87
Toxaphene Peak 4	12.06	12.03	12.09
Toxaphene Peak 5	12.45	12.42	12.48

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122218.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 22-Dec-2012 18:27:06 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016122-018
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 69893 Lims Sample ID: 18
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 13:52:52 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 11:09:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.498	9.498	0.000	71761656	1.04		100.0	
1	2	9.949	9.949	0.000	89857025	1.05	105.5- 145.5	125.2	
1	3	10.015	10.015	0.000	77269907	1.05	90.3- 130.3	107.7	
1	4	10.599	10.599	0.000	101970550	1.03	116.9- 156.9	142.1	
1	5	11.165	11.165	0.000	64821985	1.02	64.5- 104.5	90.3	
			Average of Peak Amounts =			1.04			
2	100	10.886	10.886	0.000	303978109	1.14		100.0	M
2	2	11.435	11.435	0.000	187388715	1.13	43.7- 83.7	61.6	M
2	3	11.836	11.836	0.000	185398751	1.08	45.7- 85.7	61.0	M
2	4	12.064	12.064	0.000	277559119	1.08	80.2- 120.2	91.3	M
2	5	12.451	12.451	0.000	124574461	1.02	28.1- 68.1	41.0	M
			Average of Peak Amounts =			1.09			
						RPD = 4.97			

QC Flag Legend

Review Flags
M - Manually Integrated

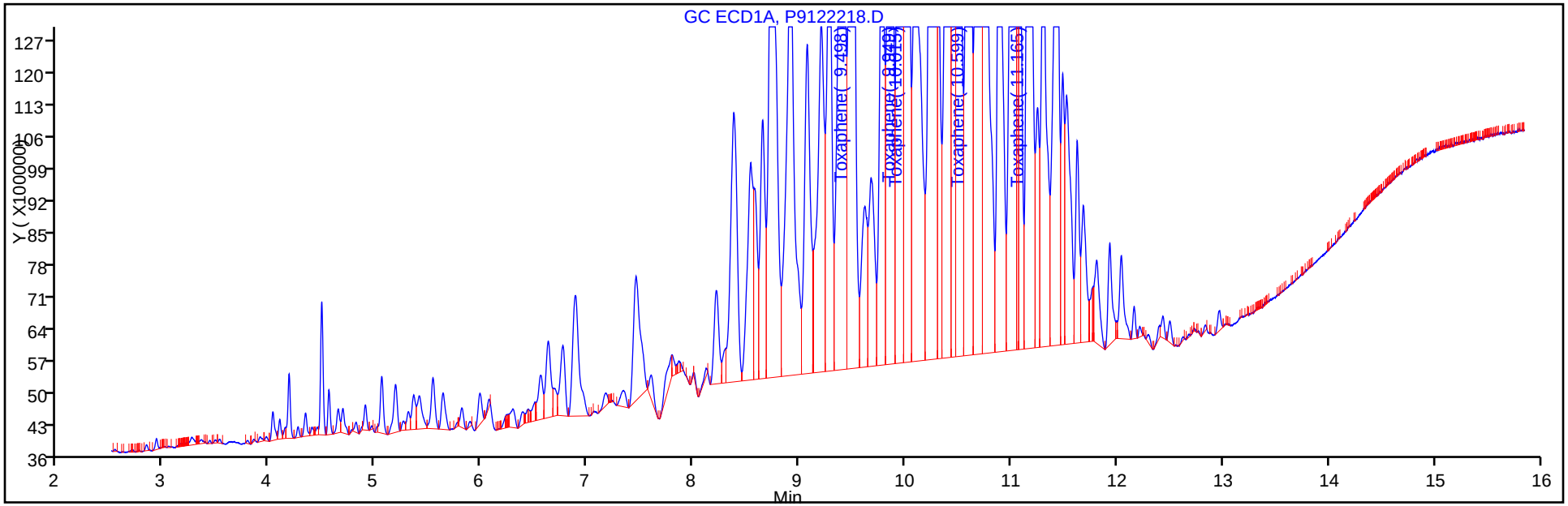
Report Date: 31-Dec-2012 13:52:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

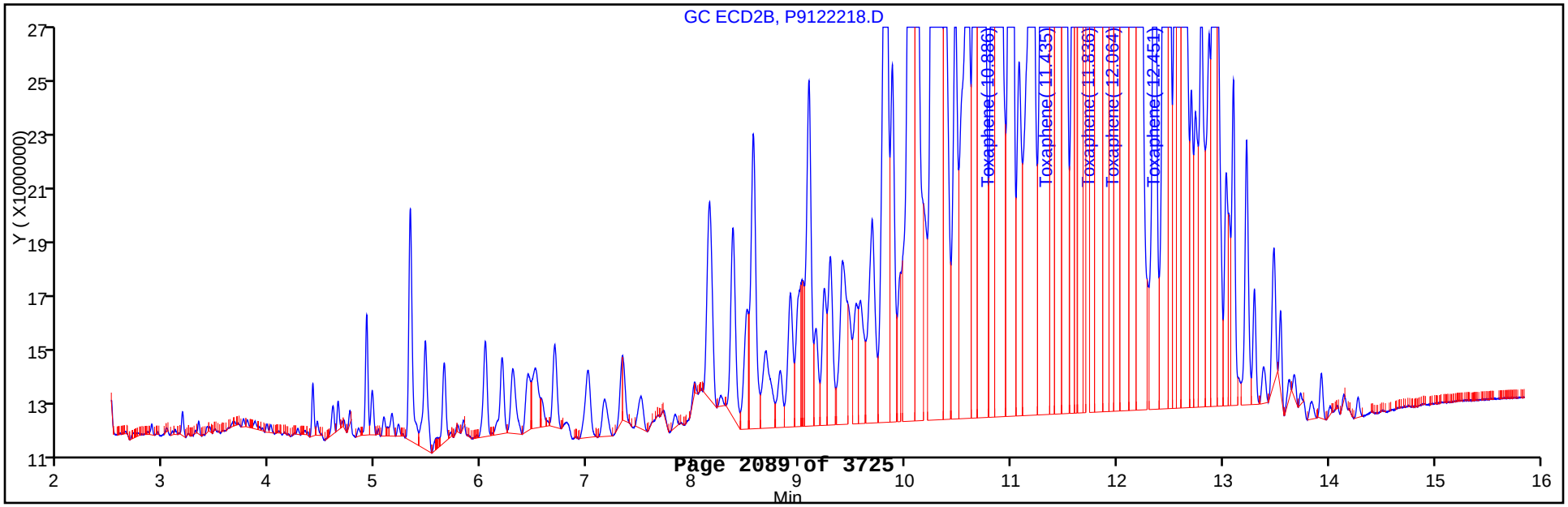
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122218.D

Injection Date:	22-Dec-2012 18:27:06	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	18
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



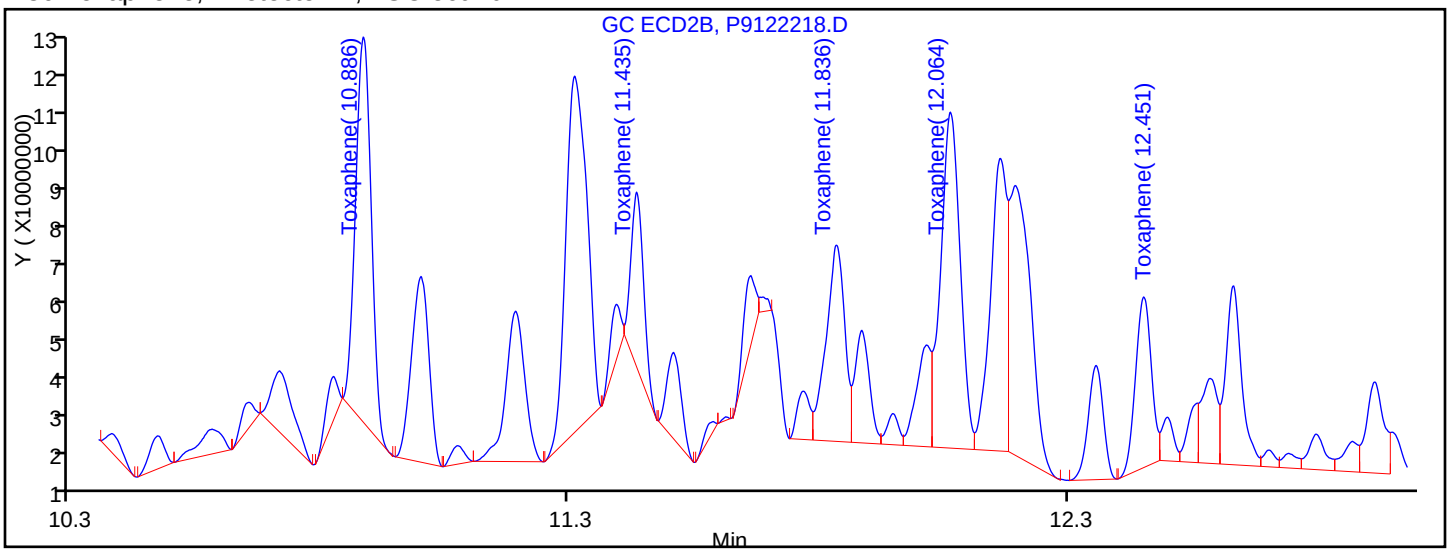
Report Date: 31-Dec-2012 13:52:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122218.D

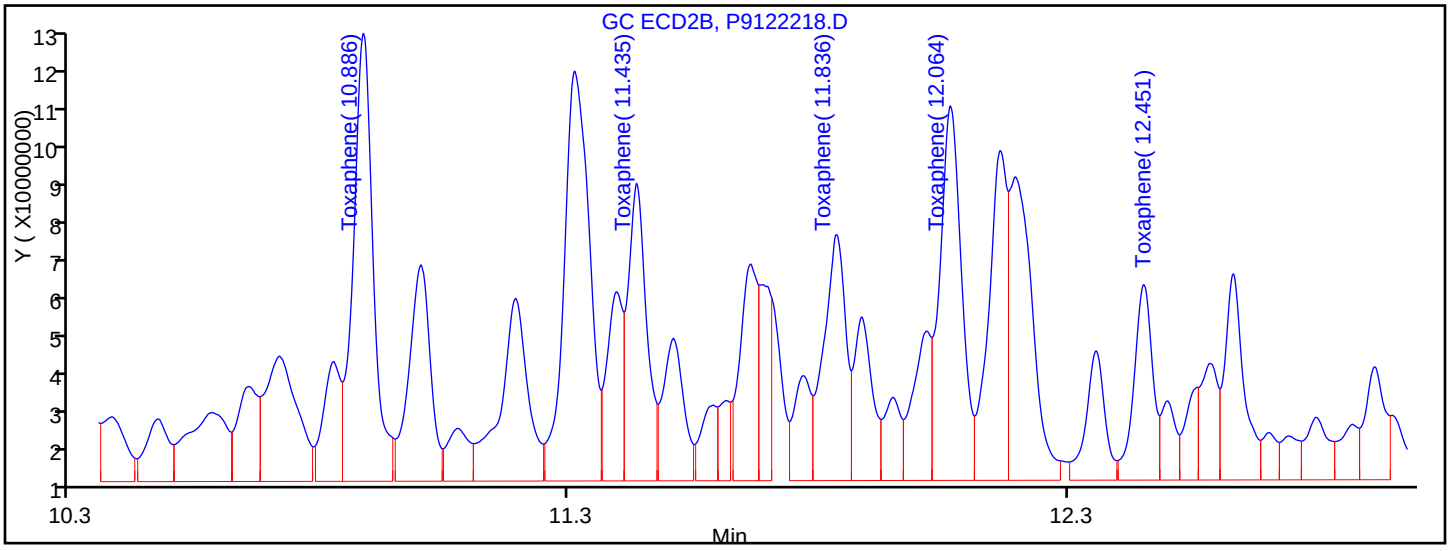
Injection Date:	22-Dec-2012 18:27:06	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	18
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.886	Response = 199363103	M
RT = 11.435	Response = 72927533	M
RT = 11.836	Response = 121080065	M
RT = 12.064	Response = 215842693	M
RT = 12.451	Response = 89784564	M



Manual Integration Results

RT = 10.886	Response = 303978109	M
RT = 11.435	Response = 187388715	M
RT = 11.836	Response = 185398751	M
RT = 12.064	Response = 277559119	M
RT = 12.451	Response = 124574461	M

Reviewer: vandorenc, 31-Dec-2012 11:09:20

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69893/31 Calibration Date: 12/22/2012 23:44

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9122231.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3809820948	4804864360		0.0315	0.0250	26.1*	20.0
gamma-BHC (Lindane)	Ave	3115561773	4149346160		0.0333	0.0250	33.2*	20.0
beta-BHC	Ave	1356797063	1721810520		0.0317	0.0250	26.9*	20.0
delta-BHC	Ave	3375911380	4299509360		0.0318	0.0250	27.4*	20.0
Heptachlor	Ave	2743824669	3128645840		0.0285	0.0250	14.0	20.0
Aldrin	Ave	3555606031	4297478200		0.0302	0.0250	20.9*	20.0
Heptachlor epoxide	Ave	2721274567	3617140320		0.0332	0.0250	32.9*	20.0
gamma-Chlordane	Ave	3063197814	3928308160		0.0321	0.0250	28.2*	20.0
alpha-Chlordane	Ave	3157953329	3977937440		0.0315	0.0250	26.0*	20.0
Endosulfan I	Ave	2558663944	3374556080		0.0330	0.0250	31.9*	20.0
4,4'-DDE	Ave	3306510503	3959035400		0.0299	0.0250	19.7	20.0
Dieldrin	Ave	2654935053	3459455600		0.0326	0.0250	30.3*	20.0
Endrin	Ave	2443787478	2974501720		0.0304	0.0250	21.7*	20.0
4,4'-DDD	Ave	1890252848	2470715800		0.0327	0.0250	30.7*	20.0
Endosulfan II	Ave	2526594343	3173603880		0.0314	0.0250	25.6*	20.0
4,4'-DDT	Ave	1877093720	2221155240		0.0296	0.0250	18.3	20.0
Endrin aldehyde	Ave	1838690332	2096318640		0.0285	0.0250	14.0	20.0
Methoxychlor	Ave	877879613	1069596440		0.0305	0.0250	21.8*	20.0
Endosulfan sulfate	Ave	2238400517	2843396640		0.0318	0.0250	27.0*	20.0
Endrin ketone	Ave	2341348883	2781050160		0.0297	0.0250	18.8	20.0
Tetrachloro-m-xylene	Ave	2718867034	2920269960		0.0269	0.0250	7.4	20.0
DCB Decachlorobiphenyl	Ave	2552750546	2837595480		0.0278	0.0250	11.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69893/31 Calibration Date: 12/22/2012 23:44

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9122231.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.15	4.21
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.69	4.66	4.72
delta-BHC	4.90	4.87	4.93
Heptachlor	5.18	5.15	5.22
Aldrin	5.63	5.60	5.66
Heptachlor epoxide	6.86	6.83	6.89
gamma-Chlordane	7.16	7.13	7.19
alpha-Chlordane	7.52	7.49	7.55
Endosulfan I	7.80	7.77	7.83
4,4'-DDE	7.90	7.87	7.93
Dieldrin	8.36	8.33	8.39
Endrin	8.82	8.79	8.85
4,4'-DDD	9.18	9.15	9.21
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.71	9.68	9.74
Endrin aldehyde	10.07	10.04	10.10
Methoxychlor	10.66	10.63	10.69
Endosulfan sulfate	10.79	10.76	10.82
Endrin ketone	11.19	11.16	11.22
Tetrachloro-m-xylene	3.50	3.47	3.53
DCB Decachlorobiphenyl	12.80	12.77	12.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122231.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 22-Dec-2012 23:44:53 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016122-031
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 31
Lims Batch ID: 69893 Lims Sample ID: 31
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 13:52:58 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 13:29:40

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.498	0.000	73006749	0.0269			
2	100	4.089	4.089	0.000	237216695	0.0270			
						RPD = 0.67			
5 alpha-BHC									
1	100	4.181	4.181	0.000	120121609	0.0315			
2	100	4.912	4.912	0.000	411747383	0.0312			
						RPD = 0.90			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	103733654	0.0333			
2	100	5.467	5.467	0.000	349491865	0.0335			
						RPD = 0.63			
7 beta-BHC									
1	100	4.688	4.688	0.000	43045263	0.0317			
2	100	5.643	5.643	0.000	141437206	0.0324			
						RPD = 2.17			
11 delta-BHC									
1	100	4.901	4.901	0.000	107487734	0.0318			
2	100	6.192	6.192	0.000	360184676	0.0332			
						RPD = 4.13			
22 Heptachlor									
1	100	5.182	5.182	0.000	78216146	0.0285			
2	100	6.289	6.289	0.000	253777868	0.0288			
						RPD = 1.11			
4 Aldrin									
1	100	5.632	5.632	0.000	107436955	0.0302			
2	100	7.004	7.004	0.000	326027095	0.0307			
						RPD = 1.47			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	90428508	0.0332			
2	100	8.492	8.492	0.000	272466364	0.0327			
						RPD = 1.74			
21 gamma-Chlordane									
1	100	7.164	7.164	0.000	98207704	0.0321			
2	100	8.918	8.918	0.000	280698063	0.0314			
						RPD = 1.99			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	99448436	0.0315			
2	100	9.232	9.232	0.000	275602485	0.0311			
						RPD = 1.10			
14 Endosulfan I									
1	100	7.796	7.796	0.000	84363902	0.0330			
2	100	9.293	9.293	0.000	231310228	0.0324			
						RPD = 1.66			
2 4,4'-DDE									
1	100	7.896	7.896	0.000	98975885	0.0299			
2	100	9.693	9.693	0.000	253725483	0.0293			
						RPD = 1.97			
13 Dieldrin									
1	100	8.360	8.360	0.000	86486390	0.0326			
2	100	9.829	9.829	0.000	250482937	0.0316			
						RPD = 3.09			
17 Endrin									
1	100	8.818	8.818	0.000	74362543	0.0304			
2	100	10.352	10.352	0.000	205493860	0.0292			
						RPD = 4.22			
1 4,4'-DDD									
1	100	9.182	9.182	0.000	61767895	0.0327			
2	100	10.722	10.722	0.000	385019332	0.0311			
						RPD = 5.00			
15 Endosulfan II									
1	100	9.267	9.267	0.000	79340097	0.0314			
2	100	10.722	10.722	0.000	385019332	0.0311			
						RPD = 1.02			
3 4,4'-DDT									
1	100	9.705	9.705	0.000	55528881	0.0296			
2	100	11.208	11.208	0.000	138045244	0.0296			
						RPD = 0.02			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	52407966	0.0285			
2	100	11.296	11.296	0.000	142173045	0.0271			
						RPD = 5.15			
27 Methoxychlor									
1	100	10.656	10.656	0.000	26739911	0.0305			
2	100	12.287	12.287	0.000	67788934	0.0293			
						RPD = 3.74			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.787	10.787	0.000	71084916	0.0318			
2	100	11.730	11.730	0.000	197927772	0.0311			
						RPD = 1.93			
19 Endrin ketone									
1	100	11.189	11.189	0.000	69526254	0.0297			
2	100	12.467	12.467	0.000	178983604	0.0286			
						RPD = 3.69			
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.801	0.000	70939887	0.0278			
2	100	14.245	14.245	0.000	178265917	0.0262			
						RPD = 5.73			

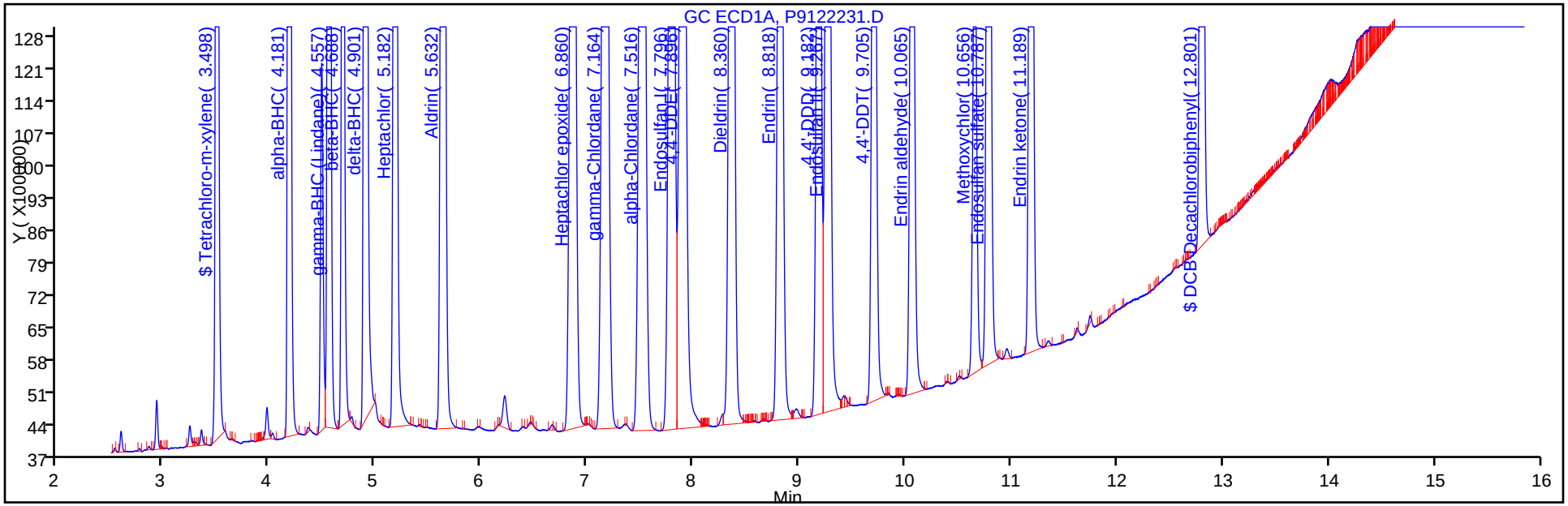
Report Date: 31-Dec-2012 13:52:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

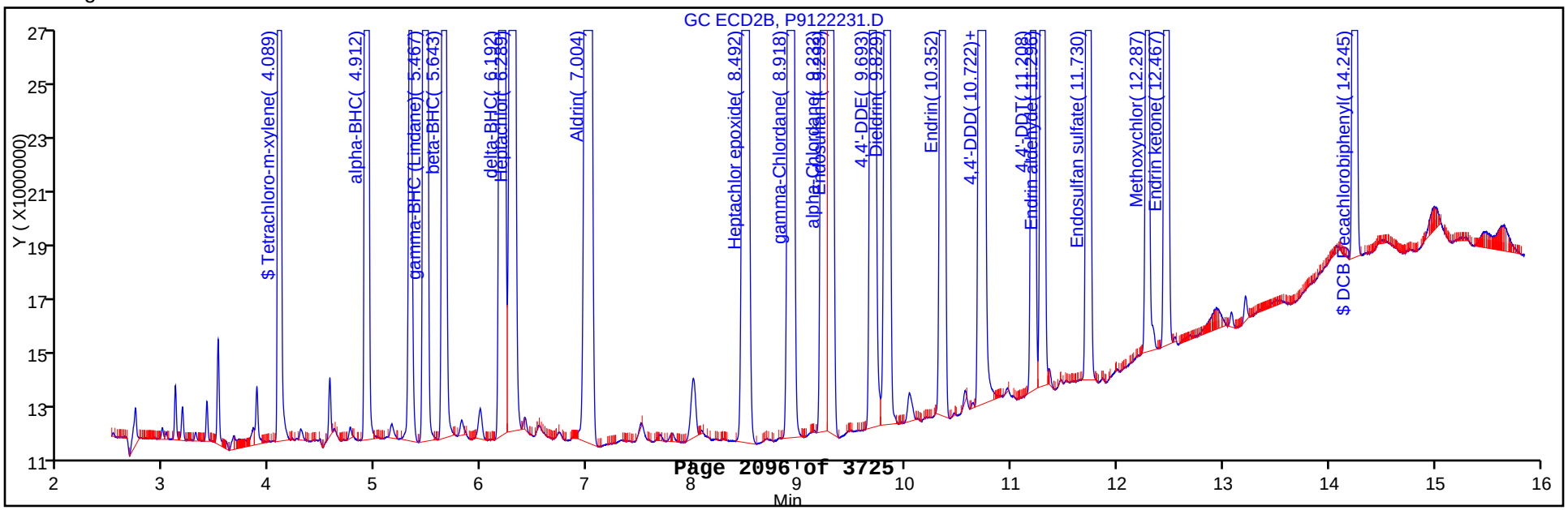
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122231.D

Injection Date:	22-Dec-2012 23:44:53	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	31
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69893/31 Calibration Date: 12/22/2012 23:44

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9122231.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13177110828	16469895320		0.0312	0.0250	25.0*	20.0
gamma-BHC (Lindane)	Ave	10430817708	13979674600		0.0335	0.0250	34.0*	20.0
beta-BHC	Ave	4362472019	5657488240		0.0324	0.0250	29.7*	20.0
delta-BHC	Ave	10854717199	14407387040		0.0332	0.0250	32.7*	20.0
Heptachlor	Ave	8804394038	10151114720		0.0288	0.0250	15.3	20.0
Aldrin	Ave	10632857867	13041083800		0.0307	0.0250	22.6*	20.0
Heptachlor epoxide	Ave	8343678396	10898654560		0.0327	0.0250	30.6*	20.0
gamma-Chlordane	Ave	8931440033	11227922520		0.0314	0.0250	25.7*	20.0
alpha-Chlordane	Ave	8848756132	11024099400		0.0311	0.0250	24.6*	20.0
Endosulfan I	Ave	7133143283	9252409120		0.0324	0.0250	29.7*	20.0
4,4'-DDE	Ave	8644997313	10149019320		0.0293	0.0250	17.4	20.0
Dieldrin	Ave	7930499061	10019317480		0.0316	0.0250	26.3*	20.0
Endrin	Ave	7044330525	8219754400		0.0292	0.0250	16.7	20.0
4,4'-DDD	Ave	12386945794	15400773280		0.0311	0.0250	24.3*	20.0
Endosulfan II	Ave	12386945794	15400773280		0.0311	0.0250	24.3*	20.0
4,4'-DDT	Ave	4665523587	5521809760		0.0296	0.0250	18.4	20.0
Endrin aldehyde	Ave	5251792496	5686921800		0.0271	0.0250	8.3	20.0
Endosulfan sulfate	Ave	6354273613	7917110880		0.0311	0.0250	24.6*	20.0
Methoxychlor	Ave	2310305654	2711557360		0.0293	0.0250	17.4	20.0
Endrin ketone	Ave	6253762508	7159344160		0.0286	0.0250	14.5	20.0
Tetrachloro-m-xylene	Ave	8775463387	9488667800		0.0270	0.0250	8.1	20.0
DCB Decachlorobiphenyl	Ave	6793039666	7130636680		0.0262	0.0250	5.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69893/31 Calibration Date: 12/22/2012 23:44

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9122231.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.91	4.88	4.94
gamma-BHC (Lindane)	5.47	5.44	5.50
beta-BHC	5.64	5.61	5.67
delta-BHC	6.19	6.16	6.22
Heptachlor	6.29	6.25	6.32
Aldrin	7.00	6.97	7.03
Heptachlor epoxide	8.49	8.46	8.52
gamma-Chlordane	8.92	8.89	8.95
alpha-Chlordane	9.23	9.20	9.26
Endosulfan I	9.29	9.26	9.32
4,4'-DDE	9.69	9.66	9.72
Dieldrin	9.83	9.80	9.86
Endrin	10.35	10.32	10.38
4,4'-DDD	10.72	10.69	10.75
Endosulfan II	10.72	10.69	10.75
4,4'-DDT	11.21	11.18	11.24
Endrin aldehyde	11.30	11.27	11.33
Endosulfan sulfate	11.73	11.70	11.76
Methoxychlor	12.29	12.26	12.32
Endrin ketone	12.47	12.44	12.50
Tetrachloro-m-xylene	4.09	4.06	4.12
DCB Decachlorobiphenyl	14.25	14.22	14.28

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122231.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 22-Dec-2012 23:44:53 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016122-031
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 31
Lims Batch ID: 69893 Lims Sample ID: 31
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 13:52:58 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 13:29:40

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.498	0.000	73006749	0.0269			
2	100	4.089	4.089	0.000	237216695	0.0270			
						RPD = 0.67			
5 alpha-BHC									
1	100	4.181	4.181	0.000	120121609	0.0315			
2	100	4.912	4.912	0.000	411747383	0.0312			
						RPD = 0.90			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	103733654	0.0333			
2	100	5.467	5.467	0.000	349491865	0.0335			
						RPD = 0.63			
7 beta-BHC									
1	100	4.688	4.688	0.000	43045263	0.0317			
2	100	5.643	5.643	0.000	141437206	0.0324			
						RPD = 2.17			
11 delta-BHC									
1	100	4.901	4.901	0.000	107487734	0.0318			
2	100	6.192	6.192	0.000	360184676	0.0332			
						RPD = 4.13			
22 Heptachlor									
1	100	5.182	5.182	0.000	78216146	0.0285			
2	100	6.289	6.289	0.000	253777868	0.0288			
						RPD = 1.11			
4 Aldrin									
1	100	5.632	5.632	0.000	107436955	0.0302			
2	100	7.004	7.004	0.000	326027095	0.0307			
						RPD = 1.47			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	90428508	0.0332			
2	100	8.492	8.492	0.000	272466364	0.0327			
						RPD = 1.74			
21 gamma-Chlordane									
1	100	7.164	7.164	0.000	98207704	0.0321			
2	100	8.918	8.918	0.000	280698063	0.0314			
						RPD = 1.99			
6 alpha-Chlordane									
1	100	7.516	7.516	0.000	99448436	0.0315			
2	100	9.232	9.232	0.000	275602485	0.0311			
						RPD = 1.10			
14 Endosulfan I									
1	100	7.796	7.796	0.000	84363902	0.0330			
2	100	9.293	9.293	0.000	231310228	0.0324			
						RPD = 1.66			
2 4,4'-DDE									
1	100	7.896	7.896	0.000	98975885	0.0299			
2	100	9.693	9.693	0.000	253725483	0.0293			
						RPD = 1.97			
13 Dieldrin									
1	100	8.360	8.360	0.000	86486390	0.0326			
2	100	9.829	9.829	0.000	250482937	0.0316			
						RPD = 3.09			
17 Endrin									
1	100	8.818	8.818	0.000	74362543	0.0304			
2	100	10.352	10.352	0.000	205493860	0.0292			
						RPD = 4.22			
1 4,4'-DDD									
1	100	9.182	9.182	0.000	61767895	0.0327			
2	100	10.722	10.722	0.000	385019332	0.0311			
						RPD = 5.00			
15 Endosulfan II									
1	100	9.267	9.267	0.000	79340097	0.0314			
2	100	10.722	10.722	0.000	385019332	0.0311			
						RPD = 1.02			
3 4,4'-DDT									
1	100	9.705	9.705	0.000	55528881	0.0296			
2	100	11.208	11.208	0.000	138045244	0.0296			
						RPD = 0.02			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	52407966	0.0285			
2	100	11.296	11.296	0.000	142173045	0.0271			
						RPD = 5.15			
27 Methoxychlor									
1	100	10.656	10.656	0.000	26739911	0.0305			
2	100	12.287	12.287	0.000	67788934	0.0293			
						RPD = 3.74			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.787	10.787	0.000	71084916	0.0318			
2	100	11.730	11.730	0.000	197927772	0.0311			
						RPD = 1.93			
19 Endrin ketone									
1	100	11.189	11.189	0.000	69526254	0.0297			
2	100	12.467	12.467	0.000	178983604	0.0286			
						RPD = 3.69			
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.801	0.000	70939887	0.0278			
2	100	14.245	14.245	0.000	178265917	0.0262			
						RPD = 5.73			

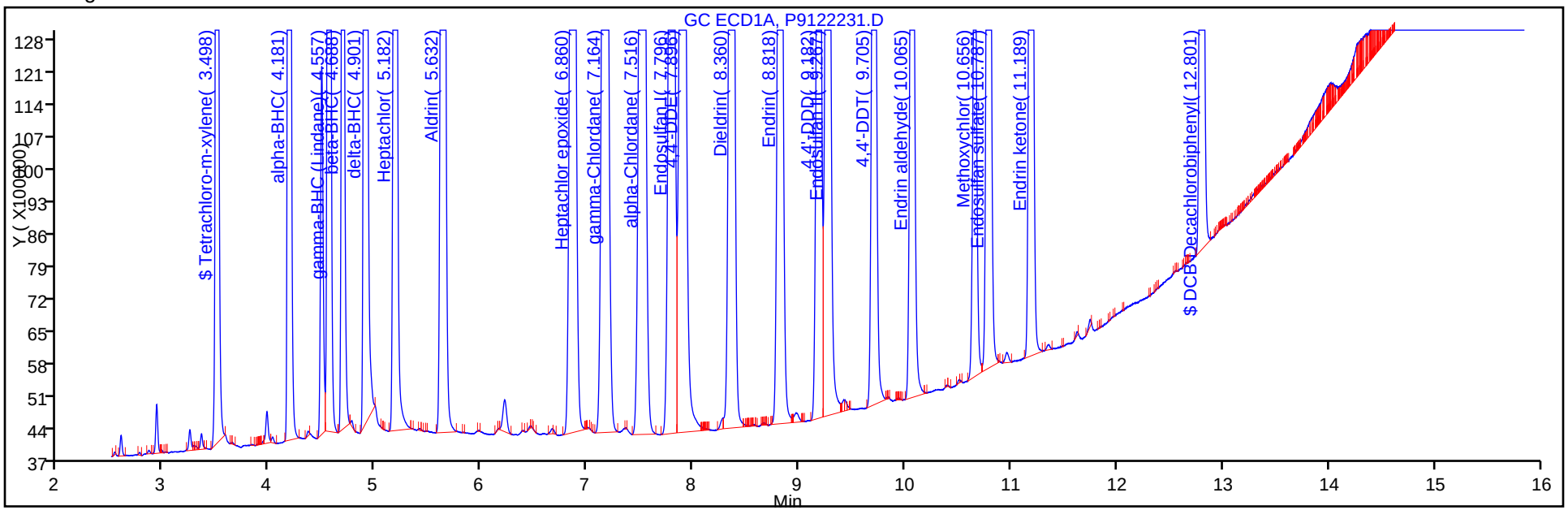
Report Date: 31-Dec-2012 13:52:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

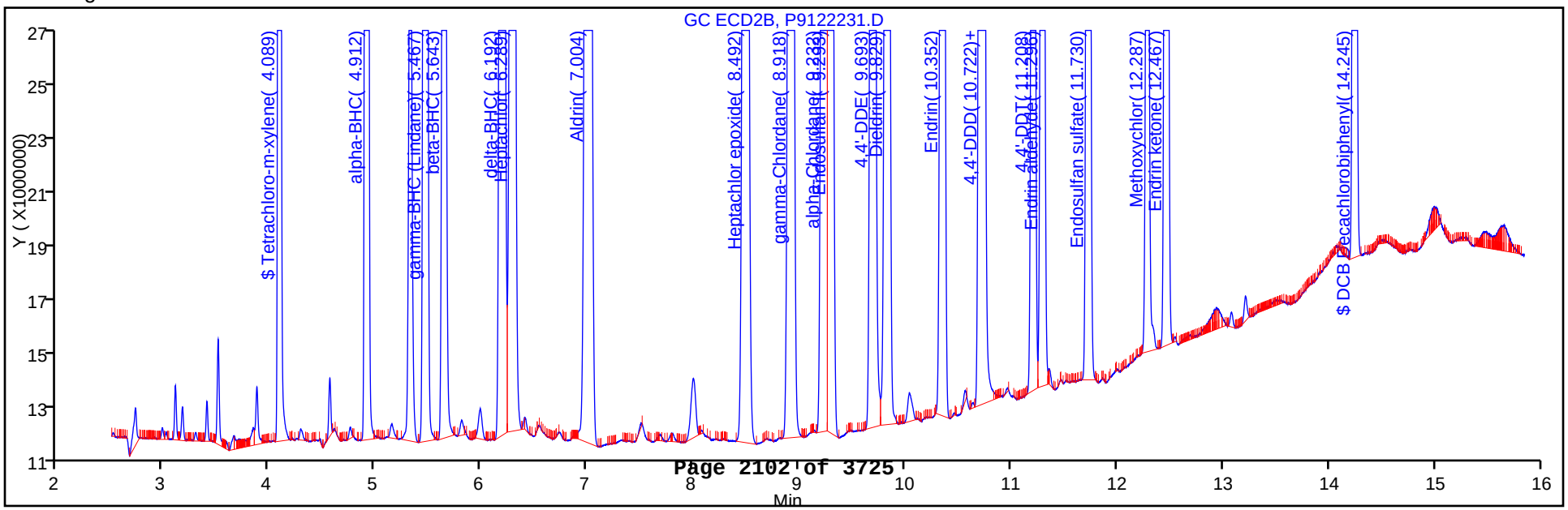
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122231.D

Injection Date:	22-Dec-2012 23:44:53	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	31
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69893/60 Calibration Date: 12/23/2012 11:33

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9122260.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	68992790	82807318		1.20	1.00	20.0	20.0
Toxaphene Peak 2	Ave	85469637	106245166		1.24	1.00	24.3*	20.0
Toxaphene Peak 3	Ave	73765512	83715573		1.13	1.00	13.5	20.0
Toxaphene Peak 4	Ave	98743767	113148758		1.15	1.00	14.6	20.0
Toxaphene Peak 5	Ave	63625849	69497788		1.09	1.00	9.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69893/60 Calibration Date: 12/23/2012 11:33

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9122260.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.50	9.47	9.53
Toxaphene Peak 2	9.95	9.92	9.98
Toxaphene Peak 3	10.01	9.98	10.04
Toxaphene Peak 4	10.60	10.57	10.63
Toxaphene Peak 5	11.16	11.13	11.19

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122260.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 23-Dec-2012 11:33:23 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016122-060
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 60
Lims Batch ID: 69893 Lims Sample ID: 60
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 13:53:10 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 13:39:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.503	9.503	0.000	82807318	1.20		100.0	M
1	2	9.947	9.947	0.000	106245166	1.24	105.5- 145.5	128.3	M
1	3	10.013	10.013	0.000	83715573	1.13	90.3- 130.3	101.1	M
1	4	10.598	10.598	0.000	113148758	1.15	116.9- 156.9	136.6	M
1	5	11.164	11.164	0.000	69497788	1.09	64.5- 104.5	83.9	M
			Average of Peak Amounts =			1.16			
2	100	10.886	10.886	0.000	305810455	1.15		100.0	
2	2	11.434	11.434	0.000	188315390	1.13	43.7- 83.7	61.6	
2	3	11.838	11.838	0.000	184766948	1.08	45.7- 85.7	60.4	
2	4	12.064	12.064	0.000	283599016	1.10	80.2- 120.2	92.7	
2	5	12.452	12.452	0.000	126300518	1.03	28.1- 68.1	41.3	
			Average of Peak Amounts =			1.10			
						RPD = 5.57			

QC Flag Legend

Review Flags
M - Manually Integrated

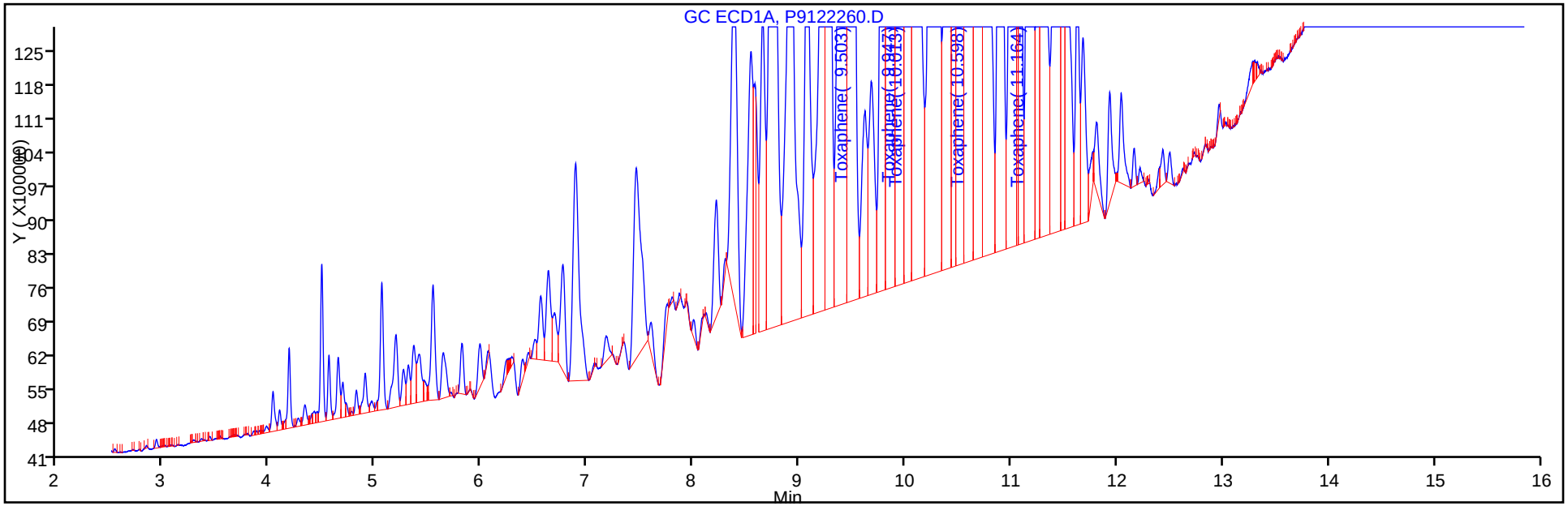
Report Date: 31-Dec-2012 13:53:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

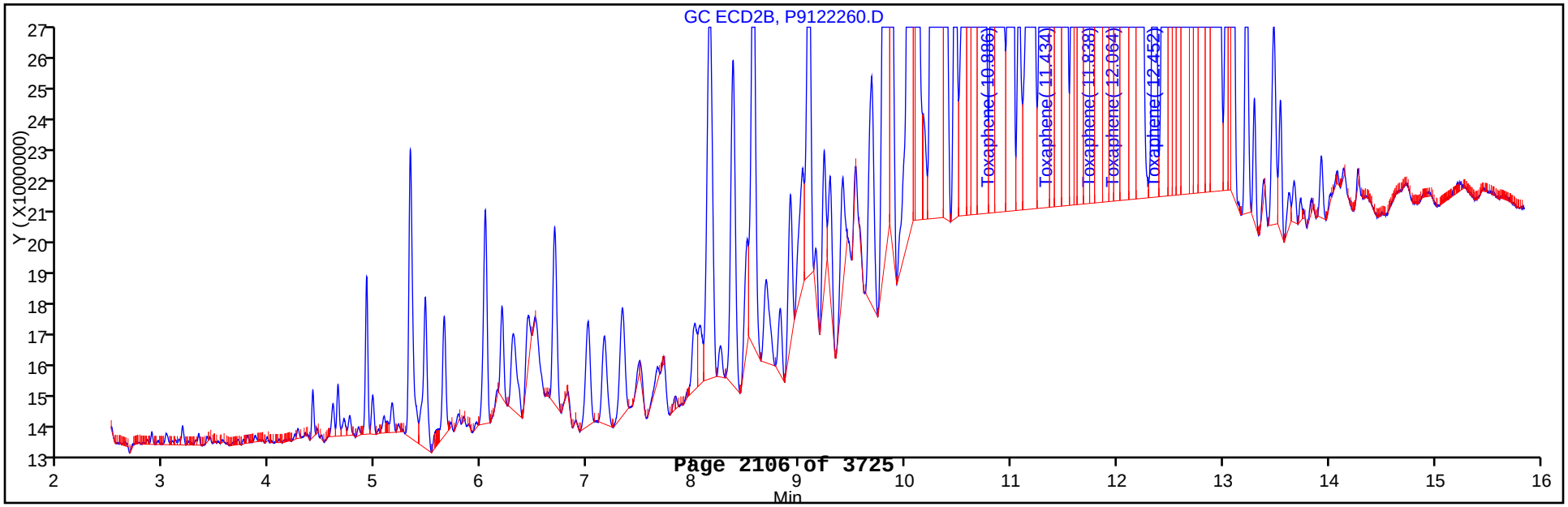
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122260.D

Injection Date:	23-Dec-2012 11:33:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	60
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



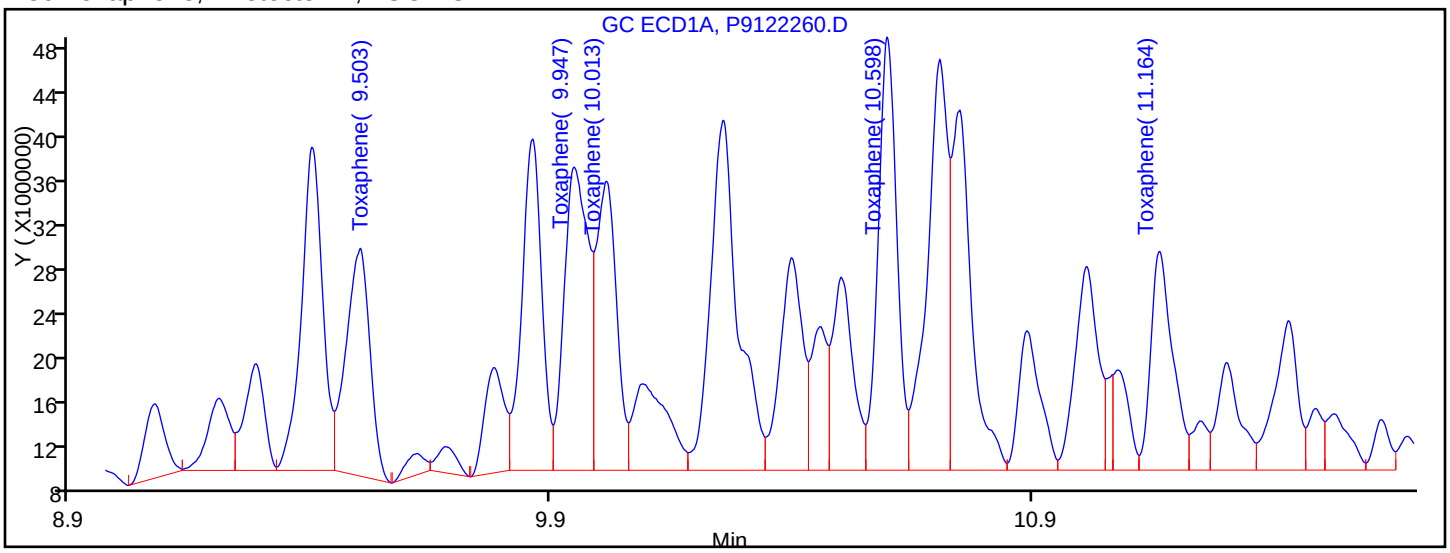
Report Date: 31-Dec-2012 13:53:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122260.D

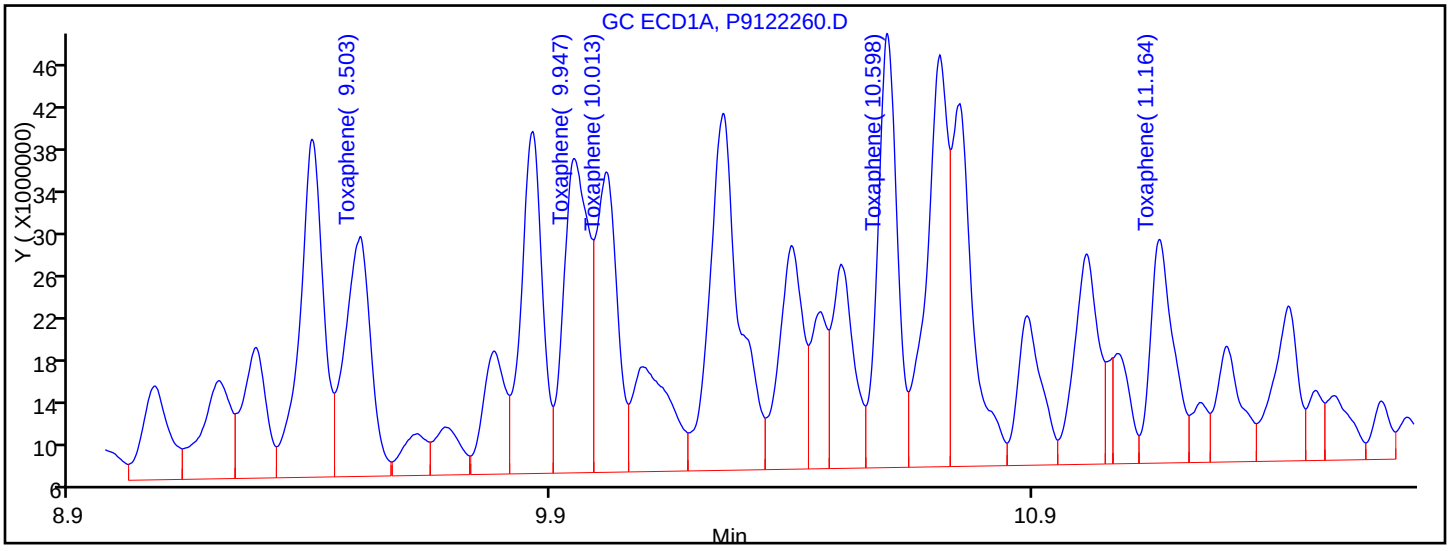
Injection Date:	23-Dec-2012 11:33:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	60
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.503	Response = 69538897	M
RT = 9.947	Response = 95518625	M
RT = 10.013	Response = 74723727	M
RT = 10.598	Response = 104324139	M
RT = 11.164	Response = 61806419	M



Manual Integration Results

RT = 9.503	Response = 82807318	M
RT = 9.947	Response = 106245166	M
RT = 10.013	Response = 83715573	M
RT = 10.598	Response = 113148758	M
RT = 11.164	Response = 69497788	M

Reviewer: vandorenc, 31-Dec-2012 13:39:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69893/60 Calibration Date: 12/23/2012 11:33

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9122260.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	265485355	305810455		1.15	1.00	15.2	20.0
Toxaphene Peak 2	Ave	165982849	188315390		1.13	1.00	13.5	20.0
Toxaphene Peak 3	Ave	171487862	184766948		1.08	1.00	7.7	20.0
Toxaphene Peak 4	Ave	256795996	283599016		1.10	1.00	10.4	20.0
Toxaphene Peak 5	Ave	122259762	126300518		1.03	1.00	3.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69893/60 Calibration Date: 12/23/2012 11:33

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9122260.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.89	10.86	10.92
Toxaphene Peak 2	11.43	11.40	11.46
Toxaphene Peak 3	11.84	11.81	11.87
Toxaphene Peak 4	12.06	12.03	12.09
Toxaphene Peak 5	12.45	12.42	12.48

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122260.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 23-Dec-2012 11:33:23 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016122-060
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 60
Lims Batch ID: 69893 Lims Sample ID: 60
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 31-Dec-2012 13:53:10 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK027

First Level Reviewer: vandorenc Date: 31-Dec-2012 13:39:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.503	9.503	0.000	82807318	1.20		100.0	M
1	2	9.947	9.947	0.000	106245166	1.24	105.5- 145.5	128.3	M
1	3	10.013	10.013	0.000	83715573	1.13	90.3- 130.3	101.1	M
1	4	10.598	10.598	0.000	113148758	1.15	116.9- 156.9	136.6	M
1	5	11.164	11.164	0.000	69497788	1.09	64.5- 104.5	83.9	M
			Average of Peak Amounts =			1.16			
2	100	10.886	10.886	0.000	305810455	1.15		100.0	
2	2	11.434	11.434	0.000	188315390	1.13	43.7- 83.7	61.6	
2	3	11.838	11.838	0.000	184766948	1.08	45.7- 85.7	60.4	
2	4	12.064	12.064	0.000	283599016	1.10	80.2- 120.2	92.7	
2	5	12.452	12.452	0.000	126300518	1.03	28.1- 68.1	41.3	
			Average of Peak Amounts =			1.10			
						RPD = 5.57			

QC Flag Legend

Review Flags
M - Manually Integrated

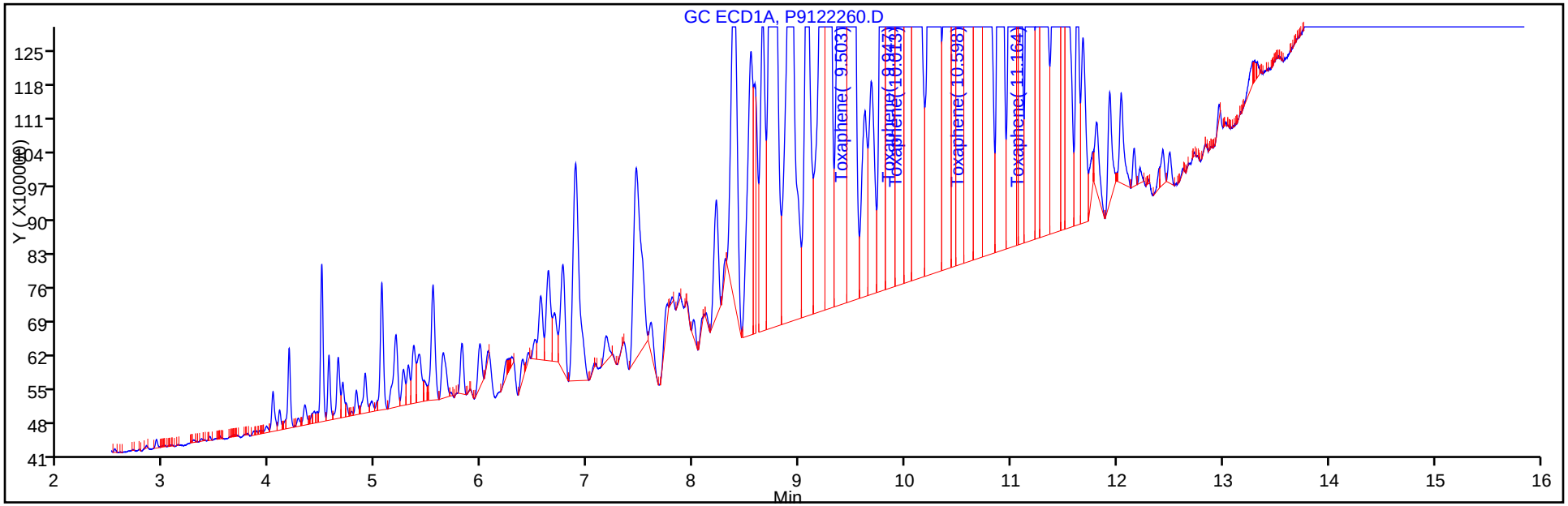
Report Date: 31-Dec-2012 13:53:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

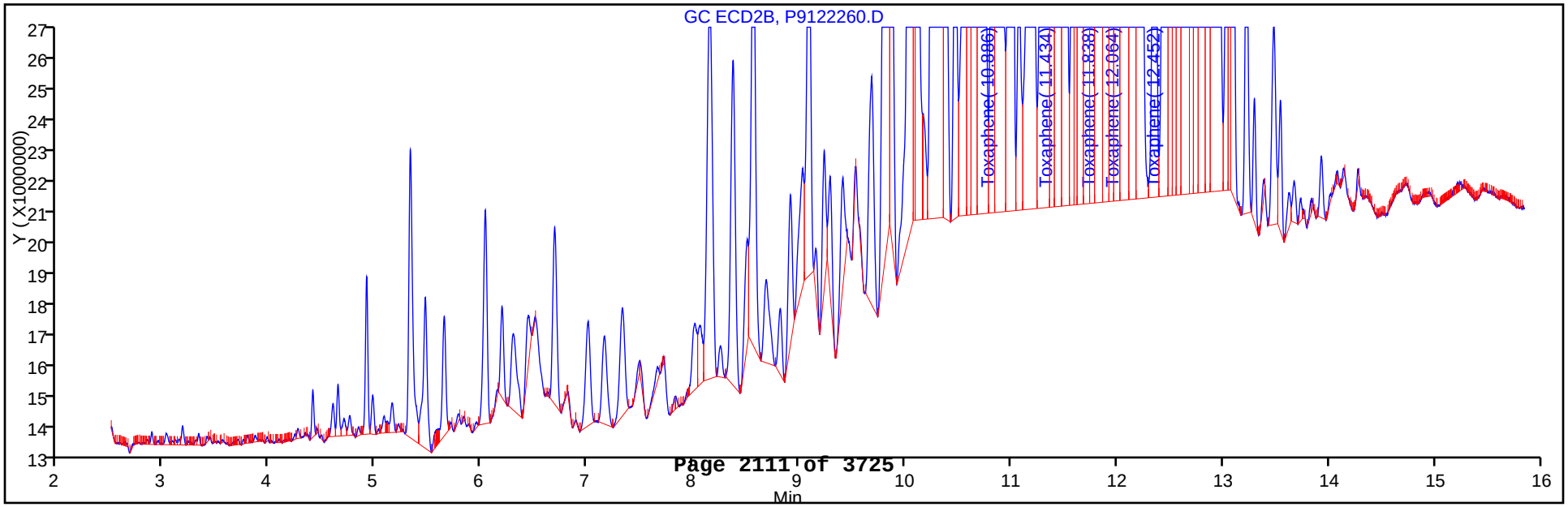
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122260.D

Injection Date:	23-Dec-2012 11:33:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	60
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/5 Calibration Date: 01/03/2013 16:46

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010305.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3809820948	3314910360		0.0218	0.0250	-13.0	20.0
gamma-BHC (Lindane)	Ave	3115561773	2840129320		0.0228	0.0250	-8.8	20.0
beta-BHC	Ave	1356797063	1204182240		0.0222	0.0250	-11.2	20.0
delta-BHC	Ave	3375911380	2708362880		0.0201	0.0250	-19.8	20.0
Heptachlor	Ave	2743824669	2772298000		0.0253	0.0250	1.0	20.0
Aldrin	Ave	3555606031	3104152280		0.0218	0.0250	-12.7	20.0
Heptachlor epoxide	Ave	2721274567	2652360040		0.0244	0.0250	-2.5	20.0
gamma-Chlordane	Ave	3063197814	2812100560		0.0230	0.0250	-8.2	20.0
alpha-Chlordane	Ave	3157953329	2919701400		0.0231	0.0250	-7.5	20.0
Endosulfan I	Ave	2558663944	2534636840		0.0248	0.0250	-0.9	20.0
4,4'-DDE	Ave	3306510503	2887031280		0.0218	0.0250	-12.7	20.0
Dieldrin	Ave	2654935053	2568355440		0.0242	0.0250	-3.3	20.0
Endrin	Ave	2443787478	2472901480		0.0253	0.0250	1.2	20.0
4,4'-DDD	Ave	1890252848	1735827840		0.0230	0.0250	-8.2	20.0
Endosulfan II	Ave	2526594343	2656418240		0.0263	0.0250	5.1	20.0
4,4'-DDT	Ave	1877093720	1551976160		0.0207	0.0250	-17.3	20.0
Endrin aldehyde	Ave	1838690332	1860832520		0.0253	0.0250	1.2	20.0
Methoxychlor	Ave	877879613	732444760		0.0209	0.0250	-16.6	20.0
Endosulfan sulfate	Ave	2238400517	2080064160		0.0232	0.0250	-7.1	20.0
Endrin ketone	Ave	2341348883	2290553760		0.0245	0.0250	-2.2	20.0
Tetrachloro-m-xylene	Ave	2718867034	2786681800		0.0256	0.0250	2.5	20.0
DCB Decachlorobiphenyl	Ave	2552750546	2377998720		0.0233	0.0250	-6.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/5 Calibration Date: 01/03/2013 16:46

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010305.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.15	4.21
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.69	4.66	4.72
delta-BHC	4.90	4.87	4.93
Heptachlor	5.18	5.15	5.22
Aldrin	5.63	5.60	5.66
Heptachlor epoxide	6.86	6.83	6.89
gamma-Chlordane	7.16	7.13	7.19
alpha-Chlordane	7.51	7.48	7.54
Endosulfan I	7.79	7.76	7.82
4,4'-DDE	7.90	7.87	7.93
Dieldrin	8.36	8.33	8.39
Endrin	8.82	8.79	8.85
4,4'-DDD	9.19	9.16	9.22
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.71	9.68	9.74
Endrin aldehyde	10.06	10.03	10.09
Methoxychlor	10.66	10.63	10.69
Endosulfan sulfate	10.79	10.76	10.82
Endrin ketone	11.19	11.16	11.22
Tetrachloro-m-xylene	3.50	3.47	3.53
DCB Decachlorobiphenyl	12.80	12.77	12.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010305.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 03-Jan-2013 16:46:51 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016373-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 71028 Lims Sample ID: 5
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:02 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.498	0.000	69667045	0.0256			
2	100	4.085	4.085	0.000	215638317	0.0246			
						RPD = 4.19			
5 alpha-BHC									
1	100	4.179	4.179	0.000	82872759	0.0218			
2	100	4.908	4.908	0.000	267817357	0.0203			
						RPD = 6.79			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	71003233	0.0228			
2	100	5.463	5.463	0.000	229246095	0.0220			
						RPD = 3.63			
7 beta-BHC									
1	100	4.688	4.688	0.000	30104556	0.0222			
2	100	5.638	5.638	0.000	98010583	0.0225			
						RPD = 1.25			
11 delta-BHC									
1	100	4.901	4.901	0.000	67709072	0.0201			
2	100	6.187	6.187	0.000	217567006	0.0200			
						RPD = 0.06			
22 Heptachlor									
1	100	5.181	5.181	0.000	69307450	0.0253			
2	100	6.284	6.284	0.000	220059767	0.0250			
						RPD = 1.06			
4 Aldrin									
1	100	5.631	5.631	0.000	77603807	0.0218			
2	100	6.998	6.998	0.000	222412942	0.0209			
						RPD = 4.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.858	6.858	0.000	66309001	0.0244			
2	100	8.484	8.484	0.000	198088831	0.0237			
						RPD = 2.60			
21 gamma-Chlordane									
1	100	7.162	7.162	0.000	70302514	0.0230			
2	100	8.913	8.913	0.000	200154496	0.0224			
						RPD = 2.38			
6 alpha-Chlordane									
1	100	7.514	7.514	0.000	72992535	0.0231			
2	100	9.226	9.226	0.000	197449848	0.0223			
						RPD = 3.52			
14 Endosulfan I									
1	100	7.792	7.792	0.000	63365921	0.0248			
2	100	9.287	9.287	0.000	173241757	0.0243			
						RPD = 1.95			
2 4,4'-DDE									
1	100	7.899	7.899	0.000	72175782	0.0218			
2	100	9.688	9.688	0.000	184180120	0.0213			
						RPD = 2.43			
13 Dieldrin									
1	100	8.358	8.358	0.000	64208886	0.0242			
2	100	9.823	9.823	0.000	189350354	0.0239			
						RPD = 1.28			
17 Endrin									
1	100	8.816	8.816	0.000	61822537	0.0253			
2	100	10.345	10.345	0.000	174691375	0.0248			
						RPD = 1.99			
1 4,4'-DDD									
1	100	9.186	9.186	0.000	43395696	0.0230			
2	100	10.718	10.718	0.000	298146202	0.0241			
						RPD = 4.73			
15 Endosulfan II									
1	100	9.268	9.268	0.000	66410456	0.0263			
2	100	10.718	10.718	0.000	298146202	0.0241			
						RPD = 8.80			
3 4,4'-DDT									
1	100	9.707	9.707	0.000	38799404	0.0207			
2	100	11.203	11.203	0.000	96487730	0.0207			
						RPD = 0.05			
18 Endrin aldehyde									
1	100	10.063	10.063	0.000	46520813	0.0253			
2	100	11.290	11.290	0.000	128840607	0.0245			
						RPD = 3.08			
27 Methoxychlor									
1	100	10.657	10.657	0.000	18311119	0.0209			
2	100	12.283	12.283	0.000	51114653	0.0221			
						RPD = 5.89			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.787	10.787	0.000	52001604	0.0232			
2	100	11.724	11.724	0.000	140835479	0.0222			
						RPD = 4.70			
19 Endrin ketone									
1	100	11.186	11.186	0.000	57263844	0.0245			
2	100	12.462	12.462	0.000	149703521	0.0239			
						RPD = 2.15			
$ 10 DCB Decachlorobiphenyl									
1	100	12.799	12.799	0.000	59449968	0.0233			
2	100	14.240	14.240	0.000	149023868	0.0219			
						RPD = 5.97			

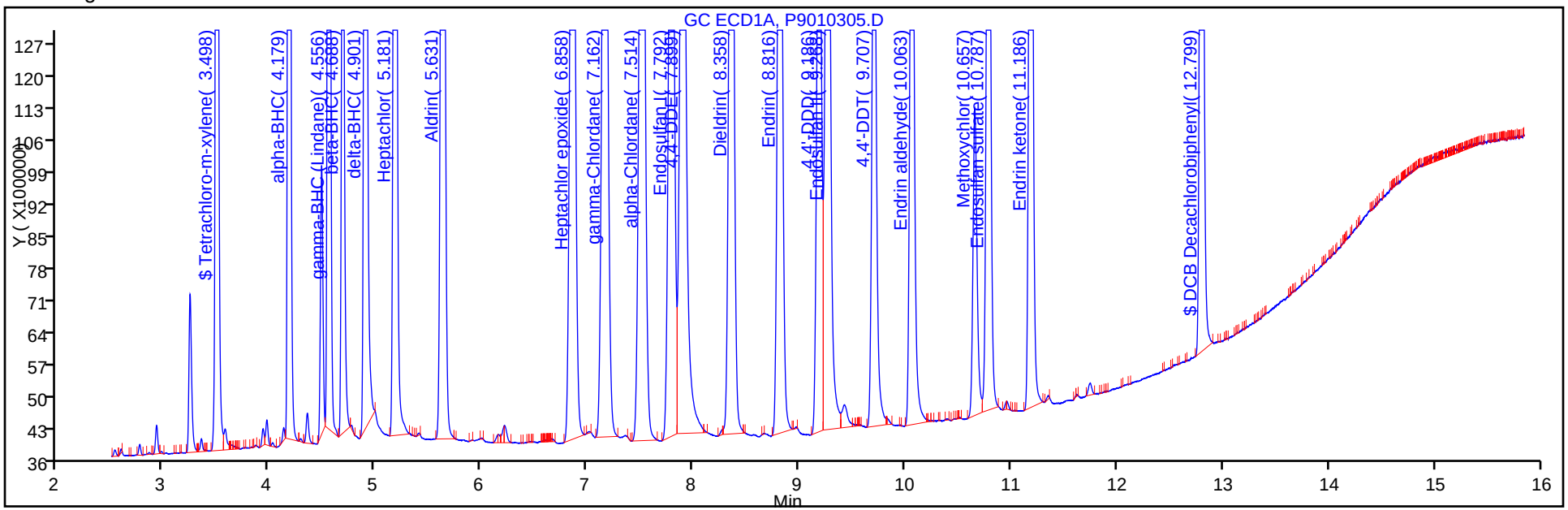
Report Date: 04-Jan-2013 10:57:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

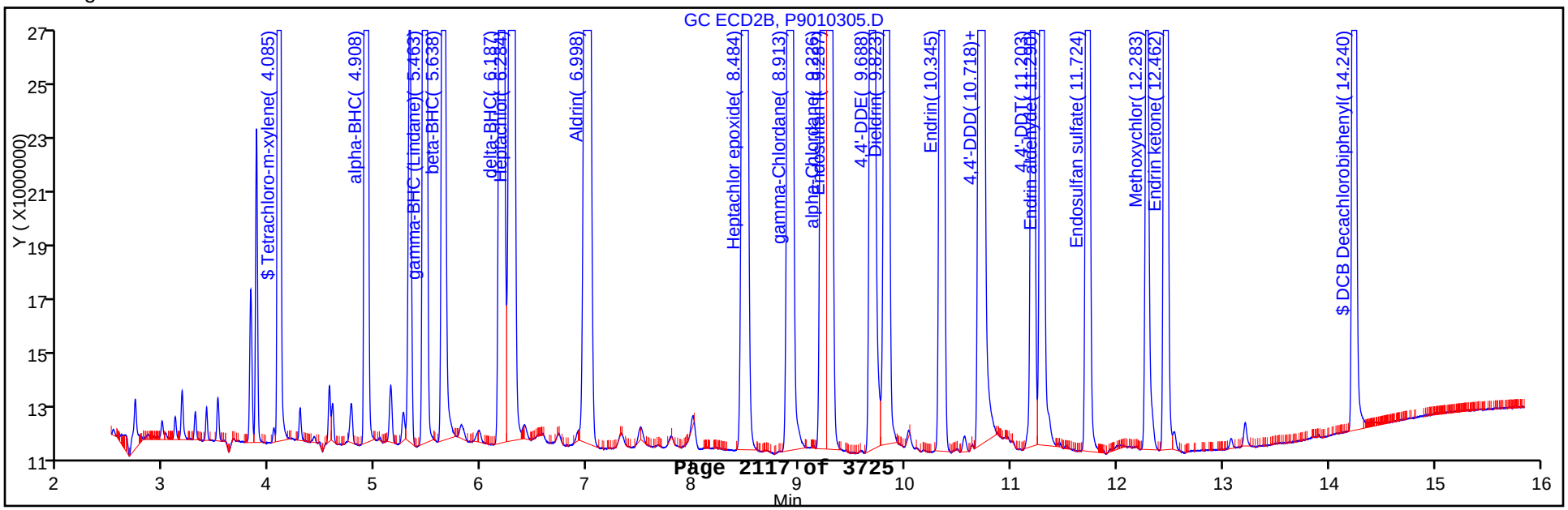
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010305.D

Injection Date:	03-Jan-2013 16:46:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/5 Calibration Date: 01/03/2013 16:46

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010305.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13177110828	10712694280		0.0203	0.0250	-18.7	20.0
gamma-BHC (Lindane)	Ave	10430817708	9169843800		0.0220	0.0250	-12.1	20.0
beta-BHC	Ave	4362472019	3920423320		0.0225	0.0250	-10.1	20.0
delta-BHC	Ave	10854717199	8702680240		0.0200	0.0250	-19.8	20.0
Heptachlor	Ave	8804394038	8802390680		0.0250	0.0250	-0.0	20.0
Aldrin	Ave	10632857867	8896517680		0.0209	0.0250	-16.3	20.0
Heptachlor epoxide	Ave	8343678396	7923553240		0.0237	0.0250	-5.0	20.0
gamma-Chlordane	Ave	8931440033	8006179840		0.0224	0.0250	-10.4	20.0
alpha-Chlordane	Ave	8848756132	7897993920		0.0223	0.0250	-10.7	20.0
Endosulfan I	Ave	7133143283	6929670280		0.0243	0.0250	-2.9	20.0
4,4'-DDE	Ave	8644997313	7367204800		0.0213	0.0250	-14.8	20.0
Dieldrin	Ave	7930499061	7574014160		0.0239	0.0250	-4.5	20.0
Endrin	Ave	7044330525	6987655000		0.0248	0.0250	-0.8	20.0
4,4'-DDD	Ave	12386945794	11925848080		0.0241	0.0250	-3.7	20.0
Endosulfan II	Ave	12386945794	11925848080		0.0241	0.0250	-3.7	20.0
4,4'-DDT	Ave	4665523587	3859509200		0.0207	0.0250	-17.3	20.0
Endrin aldehyde	Ave	5251792496	5153624280		0.0245	0.0250	-1.9	20.0
Endosulfan sulfate	Ave	6354273613	5633419160		0.0222	0.0250	-11.3	20.0
Methoxychlor	Ave	2310305654	2044586120		0.0221	0.0250	-11.5	20.0
Endrin ketone	Ave	6253762508	5988140840		0.0239	0.0250	-4.2	20.0
Tetrachloro-m-xylene	Ave	8775463387	8625532680		0.0246	0.0250	-1.7	20.0
DCB Decachlorobiphenyl	Ave	6793039666	5960954720		0.0219	0.0250	-12.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/5 Calibration Date: 01/03/2013 16:46

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010305.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.91	4.88	4.94
gamma-BHC (Lindane)	5.46	5.43	5.49
beta-BHC	5.64	5.61	5.67
delta-BHC	6.19	6.16	6.22
Heptachlor	6.28	6.25	6.32
Aldrin	7.00	6.97	7.03
Heptachlor epoxide	8.48	8.45	8.51
gamma-Chlordane	8.91	8.88	8.94
alpha-Chlordane	9.23	9.20	9.26
Endosulfan I	9.29	9.26	9.32
4,4'-DDE	9.69	9.66	9.72
Dieldrin	9.82	9.79	9.85
Endrin	10.35	10.32	10.38
4,4'-DDD	10.72	10.69	10.75
Endosulfan II	10.72	10.69	10.75
4,4'-DDT	11.20	11.17	11.23
Endrin aldehyde	11.29	11.26	11.32
Endosulfan sulfate	11.72	11.69	11.75
Methoxychlor	12.28	12.25	12.31
Endrin ketone	12.46	12.43	12.49
Tetrachloro-m-xylene	4.09	4.06	4.12
DCB Decachlorobiphenyl	14.24	14.21	14.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010305.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 03-Jan-2013 16:46:51 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016373-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 71028 Lims Sample ID: 5
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:02 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.498	0.000	69667045	0.0256			
2	100	4.085	4.085	0.000	215638317	0.0246			
						RPD = 4.19			
5 alpha-BHC									
1	100	4.179	4.179	0.000	82872759	0.0218			
2	100	4.908	4.908	0.000	267817357	0.0203			
						RPD = 6.79			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	71003233	0.0228			
2	100	5.463	5.463	0.000	229246095	0.0220			
						RPD = 3.63			
7 beta-BHC									
1	100	4.688	4.688	0.000	30104556	0.0222			
2	100	5.638	5.638	0.000	98010583	0.0225			
						RPD = 1.25			
11 delta-BHC									
1	100	4.901	4.901	0.000	67709072	0.0201			
2	100	6.187	6.187	0.000	217567006	0.0200			
						RPD = 0.06			
22 Heptachlor									
1	100	5.181	5.181	0.000	69307450	0.0253			
2	100	6.284	6.284	0.000	220059767	0.0250			
						RPD = 1.06			
4 Aldrin									
1	100	5.631	5.631	0.000	77603807	0.0218			
2	100	6.998	6.998	0.000	222412942	0.0209			
						RPD = 4.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.858	6.858	0.000	66309001	0.0244			
2	100	8.484	8.484	0.000	198088831	0.0237			
						RPD = 2.60			
21 gamma-Chlordane									
1	100	7.162	7.162	0.000	70302514	0.0230			
2	100	8.913	8.913	0.000	200154496	0.0224			
						RPD = 2.38			
6 alpha-Chlordane									
1	100	7.514	7.514	0.000	72992535	0.0231			
2	100	9.226	9.226	0.000	197449848	0.0223			
						RPD = 3.52			
14 Endosulfan I									
1	100	7.792	7.792	0.000	63365921	0.0248			
2	100	9.287	9.287	0.000	173241757	0.0243			
						RPD = 1.95			
2 4,4'-DDE									
1	100	7.899	7.899	0.000	72175782	0.0218			
2	100	9.688	9.688	0.000	184180120	0.0213			
						RPD = 2.43			
13 Dieldrin									
1	100	8.358	8.358	0.000	64208886	0.0242			
2	100	9.823	9.823	0.000	189350354	0.0239			
						RPD = 1.28			
17 Endrin									
1	100	8.816	8.816	0.000	61822537	0.0253			
2	100	10.345	10.345	0.000	174691375	0.0248			
						RPD = 1.99			
1 4,4'-DDD									
1	100	9.186	9.186	0.000	43395696	0.0230			
2	100	10.718	10.718	0.000	298146202	0.0241			
						RPD = 4.73			
15 Endosulfan II									
1	100	9.268	9.268	0.000	66410456	0.0263			
2	100	10.718	10.718	0.000	298146202	0.0241			
						RPD = 8.80			
3 4,4'-DDT									
1	100	9.707	9.707	0.000	38799404	0.0207			
2	100	11.203	11.203	0.000	96487730	0.0207			
						RPD = 0.05			
18 Endrin aldehyde									
1	100	10.063	10.063	0.000	46520813	0.0253			
2	100	11.290	11.290	0.000	128840607	0.0245			
						RPD = 3.08			
27 Methoxychlor									
1	100	10.657	10.657	0.000	18311119	0.0209			
2	100	12.283	12.283	0.000	51114653	0.0221			
						RPD = 5.89			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.787	10.787	0.000	52001604	0.0232			
2	100	11.724	11.724	0.000	140835479	0.0222			
						RPD = 4.70			
19 Endrin ketone									
1	100	11.186	11.186	0.000	57263844	0.0245			
2	100	12.462	12.462	0.000	149703521	0.0239			
						RPD = 2.15			
$ 10 DCB Decachlorobiphenyl									
1	100	12.799	12.799	0.000	59449968	0.0233			
2	100	14.240	14.240	0.000	149023868	0.0219			
						RPD = 5.97			

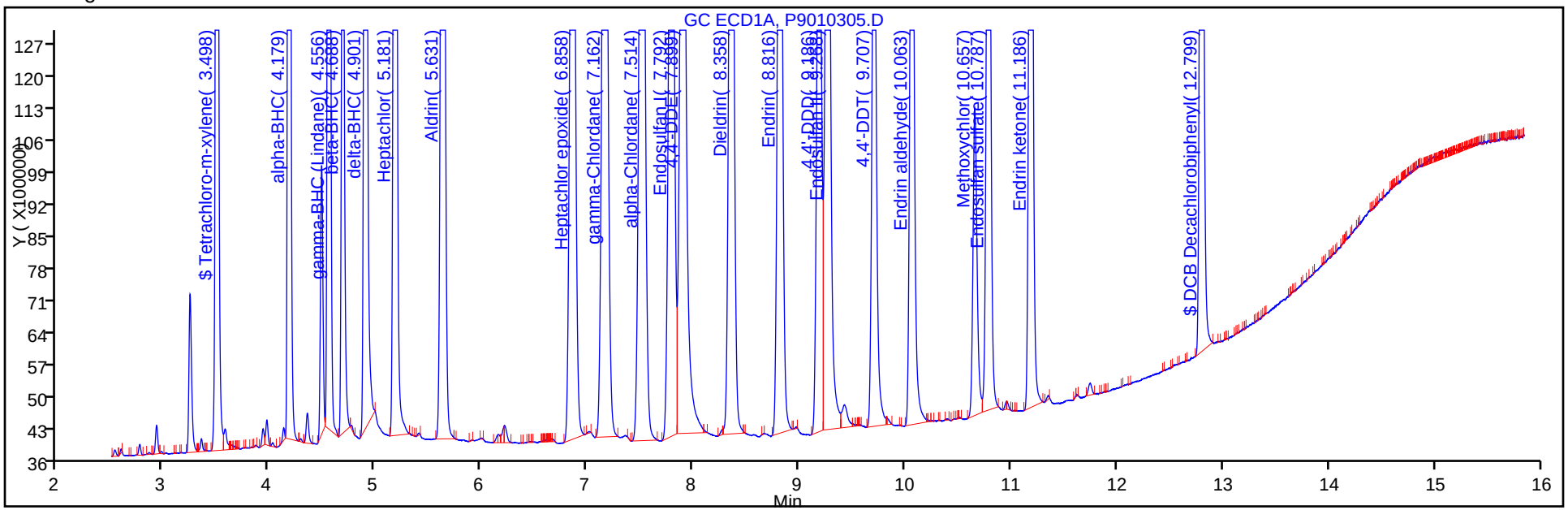
Report Date: 04-Jan-2013 10:57:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

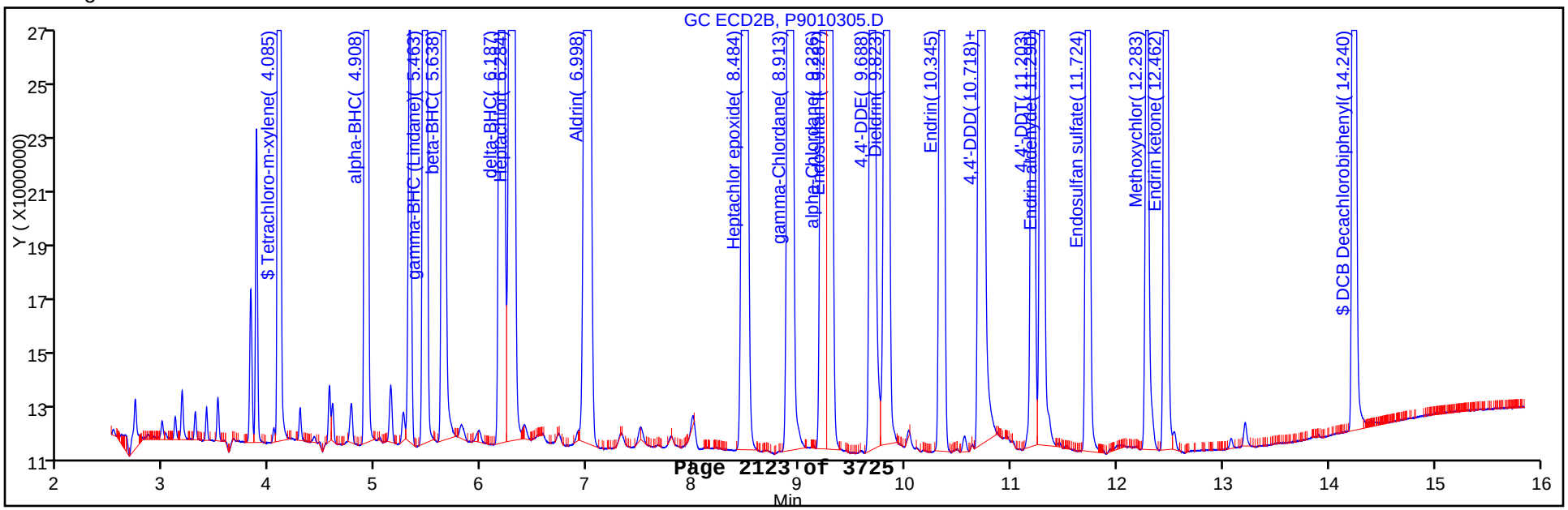
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010305.D

Injection Date:	03-Jan-2013 16:46:51	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/6 Calibration Date: 01/03/2013 17:14

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010306.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	68992790	65201853		0.945	1.00	-5.5	20.0
Toxaphene Peak 2	Ave	85469637	90184616		1.06	1.00	5.5	20.0
Toxaphene Peak 3	Ave	73765512	68708370		0.931	1.00	-6.9	20.0
Toxaphene Peak 4	Ave	98743767	99679635		1.01	1.00	0.9	20.0
Toxaphene Peak 5	Ave	63625849	59433704		0.934	1.00	-6.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/6 Calibration Date: 01/03/2013 17:14

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010306.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.50	9.47	9.53
Toxaphene Peak 2	9.95	9.92	9.98
Toxaphene Peak 3	10.01	9.98	10.04
Toxaphene Peak 4	10.60	10.57	10.63
Toxaphene Peak 5	11.16	11.13	11.19

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010306.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 03-Jan-2013 17:14:13 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016373-006
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 71028 Lims Sample ID: 6
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:04 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 07:15:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.496	9.496	0.000	65201853	0.9451		100.0	
1	2	9.946	9.946	0.000	90184616	1.06	105.5- 145.5	138.3	
1	3	10.011	10.011	0.000	68708370	0.9314	90.3- 130.3	105.4	
1	4	10.596	10.596	0.000	99679635	1.01	116.9- 156.9	152.9	
1	5	11.161	11.161	0.000	59433704	0.9341	64.5- 104.5	91.2	
			Average of Peak Amounts =			0.9751			
2	100	10.881	10.881	0.000	291115806	1.10		100.0	
2	2	11.428	11.428	0.000	176397972	1.06	43.7- 83.7	60.6	
2	3	11.830	11.830	0.000	160586191	0.9364	45.7- 85.7	55.2	
2	4	12.056	12.056	0.000	257713756	1.00	80.2- 120.2	88.5	
2	5	12.446	12.446	0.000	92008512	0.7526	28.1- 68.1	31.6	
			Average of Peak Amounts =			0.9704			
						RPD = 0.48			

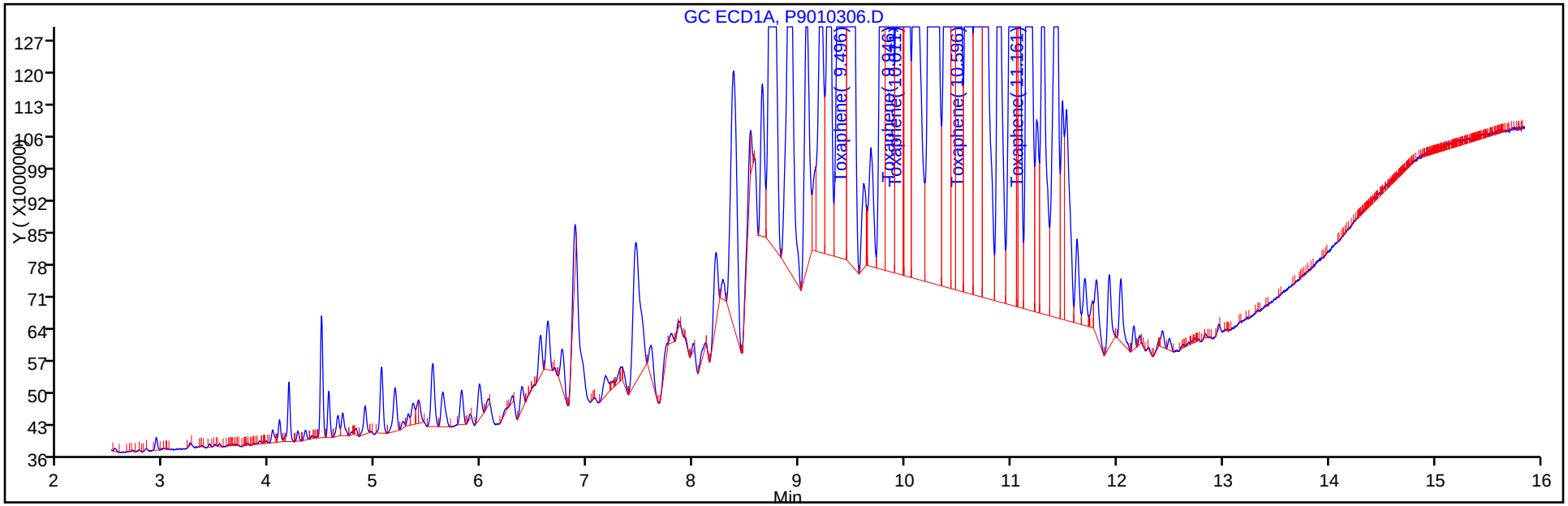
Report Date: 04-Jan-2013 10:57:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

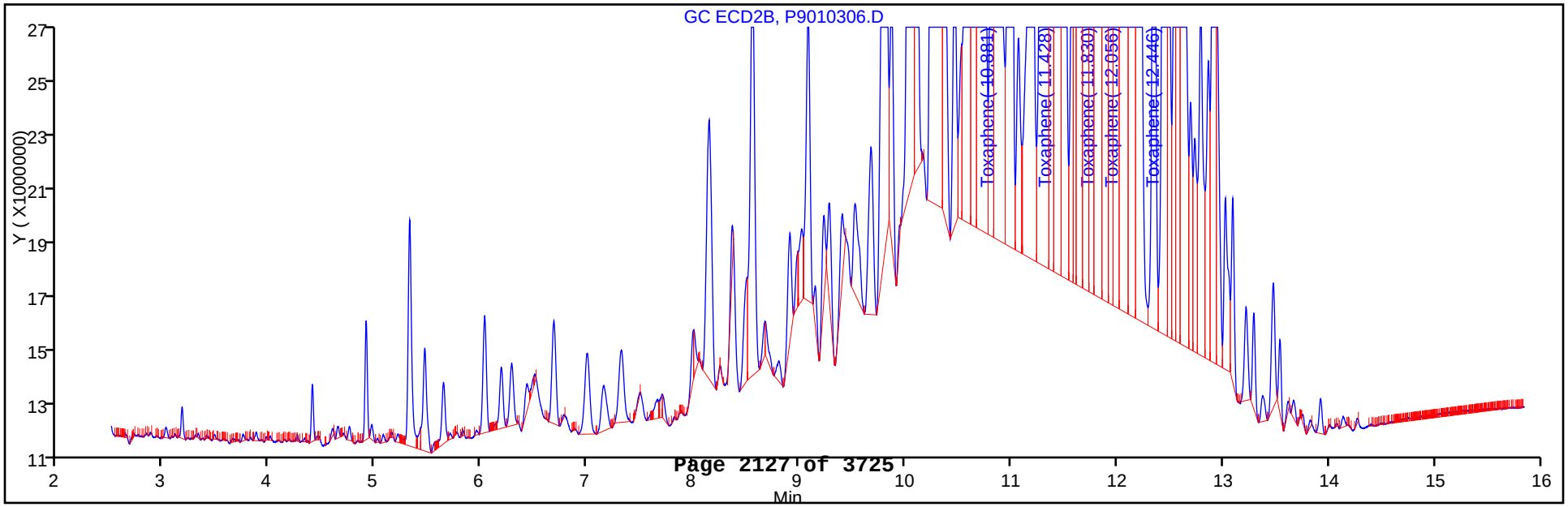
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010306.D

Injection Date:	03-Jan-2013 17:14:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/6 Calibration Date: 01/03/2013 17:14

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010306.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	265485355	291115806		1.10	1.00	9.7	20.0
Toxaphene Peak 2	Ave	165982849	176397972		1.06	1.00	6.3	20.0
Toxaphene Peak 3	Ave	171487862	160586191		0.936	1.00	-6.4	20.0
Toxaphene Peak 4	Ave	256795996	257713756		1.00	1.00	0.4	20.0
Toxaphene Peak 5	Ave	122259762	92008512		0.753	1.00	-24.7*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/6 Calibration Date: 01/03/2013 17:14

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010306.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.88	10.85	10.91
Toxaphene Peak 2	11.43	11.40	11.46
Toxaphene Peak 3	11.83	11.80	11.86
Toxaphene Peak 4	12.06	12.03	12.09
Toxaphene Peak 5	12.45	12.42	12.48

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010306.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 03-Jan-2013 17:14:13 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016373-006
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 71028 Lims Sample ID: 6
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:04 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 07:15:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100	9.496	9.496	0.000	65201853	0.9451		100.0	
1	2	9.946	9.946	0.000	90184616	1.06	105.5- 145.5	138.3	
1	3	10.011	10.011	0.000	68708370	0.9314	90.3- 130.3	105.4	
1	4	10.596	10.596	0.000	99679635	1.01	116.9- 156.9	152.9	
1	5	11.161	11.161	0.000	59433704	0.9341	64.5- 104.5	91.2	
			Average of Peak Amounts =			0.9751			
2	100	10.881	10.881	0.000	291115806	1.10		100.0	
2	2	11.428	11.428	0.000	176397972	1.06	43.7- 83.7	60.6	
2	3	11.830	11.830	0.000	160586191	0.9364	45.7- 85.7	55.2	
2	4	12.056	12.056	0.000	257713756	1.00	80.2- 120.2	88.5	
2	5	12.446	12.446	0.000	92008512	0.7526	28.1- 68.1	31.6	
			Average of Peak Amounts =			0.9704			
						RPD = 0.48			

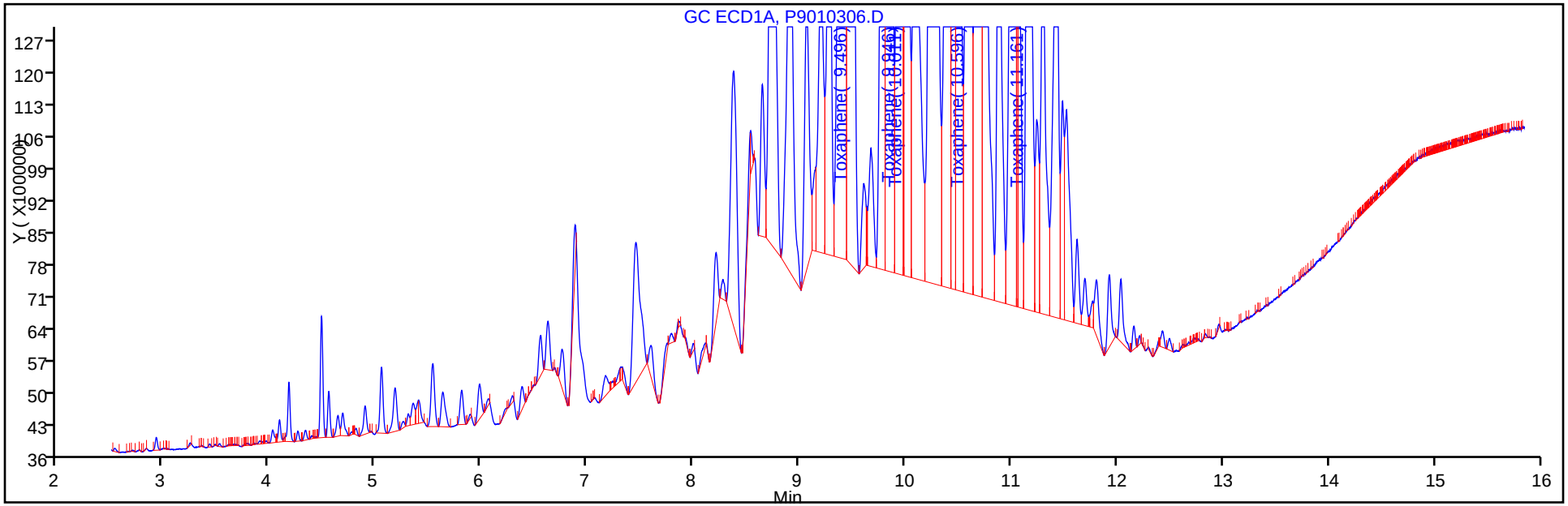
Report Date: 04-Jan-2013 10:57:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

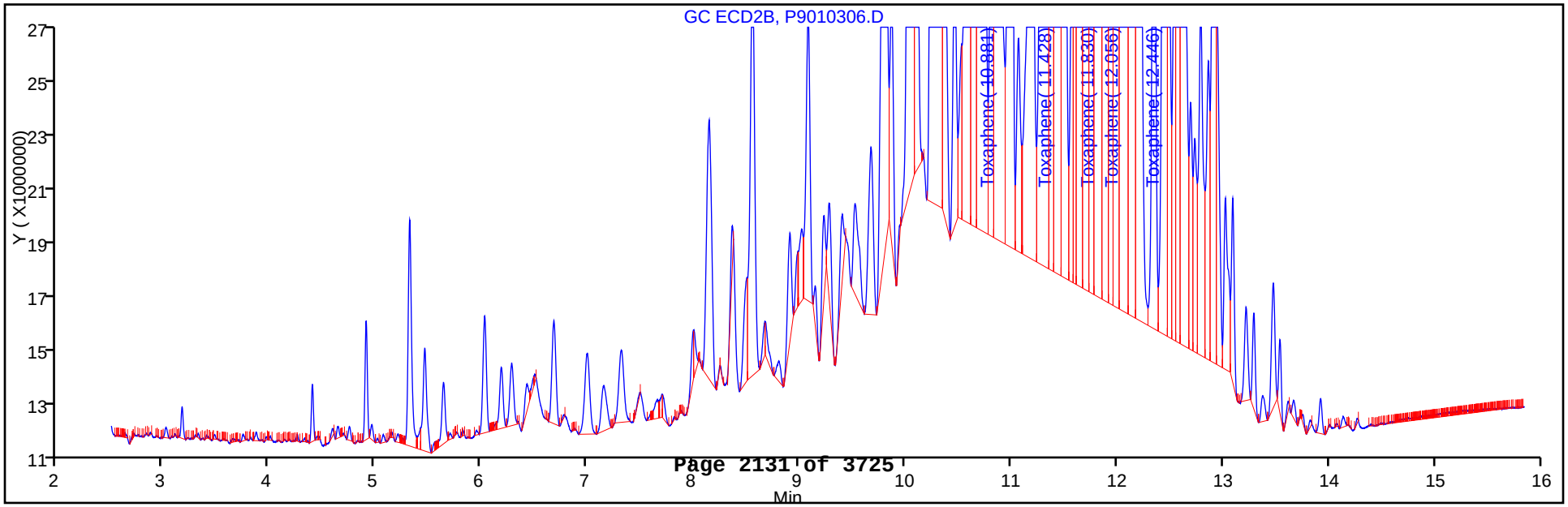
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010306.D

Injection Date:	03-Jan-2013 17:14:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/41 Calibration Date: 01/04/2013 07:54

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010341.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3809820948	4375042560		0.0287	0.0250	14.8	20.0
gamma-BHC (Lindane)	Ave	3115561773	3346903760		0.0269	0.0250	7.4	20.0
beta-BHC	Ave	1356797063	1552233760		0.0286	0.0250	14.4	20.0
delta-BHC	Ave	3375911380	3463032280		0.0256	0.0250	2.6	20.0
Heptachlor	Ave	2743824669	3082218720		0.0281	0.0250	12.3	20.0
Aldrin	Ave	3555606031	4112646080		0.0289	0.0250	15.7	20.0
Heptachlor epoxide	Ave	2721274567	3393380080		0.0312	0.0250	24.7*	20.0
gamma-Chlordane	Ave	3063197814	3453544400		0.0282	0.0250	12.7	20.0
alpha-Chlordane	Ave	3157953329	3678429720		0.0291	0.0250	16.5	20.0
Endosulfan I	Ave	2558663944	2914991520		0.0285	0.0250	13.9	20.0
4,4'-DDE	Ave	3306510503	3847262520		0.0291	0.0250	16.4	20.0
Dieldrin	Ave	2654935053	3102034680		0.0292	0.0250	16.8	20.0
Endrin	Ave	2443787478	2814076440		0.0288	0.0250	15.2	20.0
4,4'-DDD	Ave	1890252848	2124308240		0.0281	0.0250	12.4	20.0
Endosulfan II	Ave	2526594343	2750426760		0.0272	0.0250	8.9	20.0
4,4'-DDT	Ave	1877093720	1925159280		0.0256	0.0250	2.6	20.0
Endrin aldehyde	Ave	1838690332	1990819000		0.0271	0.0250	8.3	20.0
Methoxychlor	Ave	877879613	898449520		0.0256	0.0250	2.3	20.0
Endosulfan sulfate	Ave	2238400517	2343310160		0.0262	0.0250	4.7	20.0
Endrin ketone	Ave	2341348883	2441973080		0.0261	0.0250	4.3	20.0
Tetrachloro-m-xylene	Ave	2718867034	2956793720		0.0272	0.0250	8.8	20.0
DCB Decachlorobiphenyl	Ave	2552750546	2754225840		0.0270	0.0250	7.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/41 Calibration Date: 01/04/2013 07:54

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010341.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.15	4.21
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.69	4.66	4.72
delta-BHC	4.90	4.87	4.93
Heptachlor	5.18	5.15	5.22
Aldrin	5.63	5.60	5.66
Heptachlor epoxide	6.86	6.83	6.89
gamma-Chlordane	7.16	7.13	7.19
alpha-Chlordane	7.51	7.48	7.54
Endosulfan I	7.79	7.76	7.82
4,4'-DDE	7.89	7.86	7.92
Dieldrin	8.36	8.33	8.39
Endrin	8.82	8.79	8.85
4,4'-DDD	9.18	9.15	9.21
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.70	9.67	9.73
Endrin aldehyde	10.06	10.03	10.09
Methoxychlor	10.66	10.63	10.69
Endosulfan sulfate	10.79	10.76	10.82
Endrin ketone	11.19	11.16	11.22
Tetrachloro-m-xylene	3.50	3.47	3.53
DCB Decachlorobiphenyl	12.80	12.77	12.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010341.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 04-Jan-2013 07:54:06 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016373-041
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 41
Lims Batch ID: 71028 Lims Sample ID: 41
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:45 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.498	0.000	73919843	0.0272			
2	100	4.084	4.084	0.000	232757931	0.0265			
						RPD = 2.47			
5 alpha-BHC									
1	100	4.180	4.180	0.000	109376064	0.0287			
2	100	4.909	4.909	0.000	356778459	0.0271			
						RPD = 5.86			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	83672594	0.0269			
2	100	5.462	5.462	0.000	272613561	0.0261			
						RPD = 2.72			
7 beta-BHC									
1	100	4.687	4.687	0.000	38805844	0.0286			
2	100	5.638	5.638	0.000	125401908	0.0287			
						RPD = 0.50			
11 delta-BHC									
1	100	4.901	4.901	0.000	86575807	0.0256			
2	100	6.186	6.186	0.000	277577843	0.0256			
						RPD = 0.29			
22 Heptachlor									
1	100	5.181	5.181	0.000	77055468	0.0281			
2	100	6.284	6.284	0.000	242104382	0.0275			
						RPD = 2.11			
4 Aldrin									
1	100	5.631	5.631	0.000	102816152	0.0289			
2	100	6.997	6.997	0.000	298785582	0.0281			
						RPD = 2.86			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.858	6.858	0.000	84834502	0.0312			
2	100	8.484	8.484	0.000	249624149	0.0299			
						RPD = 4.11			
21 gamma-Chlordane									
1	100	7.162	7.162	0.000	86338610	0.0282			
2	100	8.912	8.912	0.000	240131918	0.0269			
						RPD = 4.72			
6 alpha-Chlordane									
1	100	7.514	7.514	0.000	91960743	0.0291			
2	100	9.225	9.225	0.000	249912778	0.0282			
						RPD = 3.06			
14 Endosulfan I									
1	100	7.789	7.789	0.000	72874788	0.0285			
2	100	9.285	9.285	0.000	195727561	0.0274			
						RPD = 3.73			
2 4,4'-DDE									
1	100	7.894	7.894	0.000	96181563	0.0291			
2	100	9.687	9.687	0.000	240330737	0.0278			
						RPD = 4.53			
13 Dieldrin									
1	100	8.357	8.357	0.000	77550867	0.0292			
2	100	9.822	9.822	0.000	223380729	0.0282			
						RPD = 3.63			
17 Endrin									
1	100	8.816	8.816	0.000	70351911	0.0288			
2	100	10.344	10.344	0.000	190584907	0.0271			
						RPD = 6.21			
1 4,4'-DDD									
1	100	9.181	9.181	0.000	53107706	0.0281			
2	100	10.717	10.717	0.000	321092052	0.0259			
						RPD = 8.05			
15 Endosulfan II									
1	100	9.267	9.267	0.000	68760669	0.0272			
2	100	10.717	10.717	0.000	321092052	0.0259			
						RPD = 4.87			
3 4,4'-DDT									
1	100	9.703	9.703	0.000	48128982	0.0256			
2	100	11.203	11.203	0.000	111993727	0.0240			
						RPD = 6.59			
18 Endrin aldehyde									
1	100	10.063	10.063	0.000	49770475	0.0271			
2	100	11.290	11.290	0.000	129834327	0.0247			
						RPD = 9.06			
27 Methoxychlor									
1	100	10.655	10.655	0.000	22461238	0.0256			
2	100	12.282	12.282	0.000	55295639	0.0239			
						RPD = 6.67			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.785	10.785	0.000	58582754	0.0262			
2	100	11.724	11.724	0.000	149526221	0.0235			
						RPD = 10.62			
19 Endrin ketone									
1	100	11.187	11.187	0.000	61049327	0.0261			
2	100	12.461	12.461	0.000	146631106	0.0234			
						RPD = 10.61			
$ 10 DCB Decachlorobiphenyl									
1	100	12.799	12.799	0.000	68855646	0.0270			
2	100	14.240	14.240	0.000	161579878	0.0238			
						RPD = 12.56			

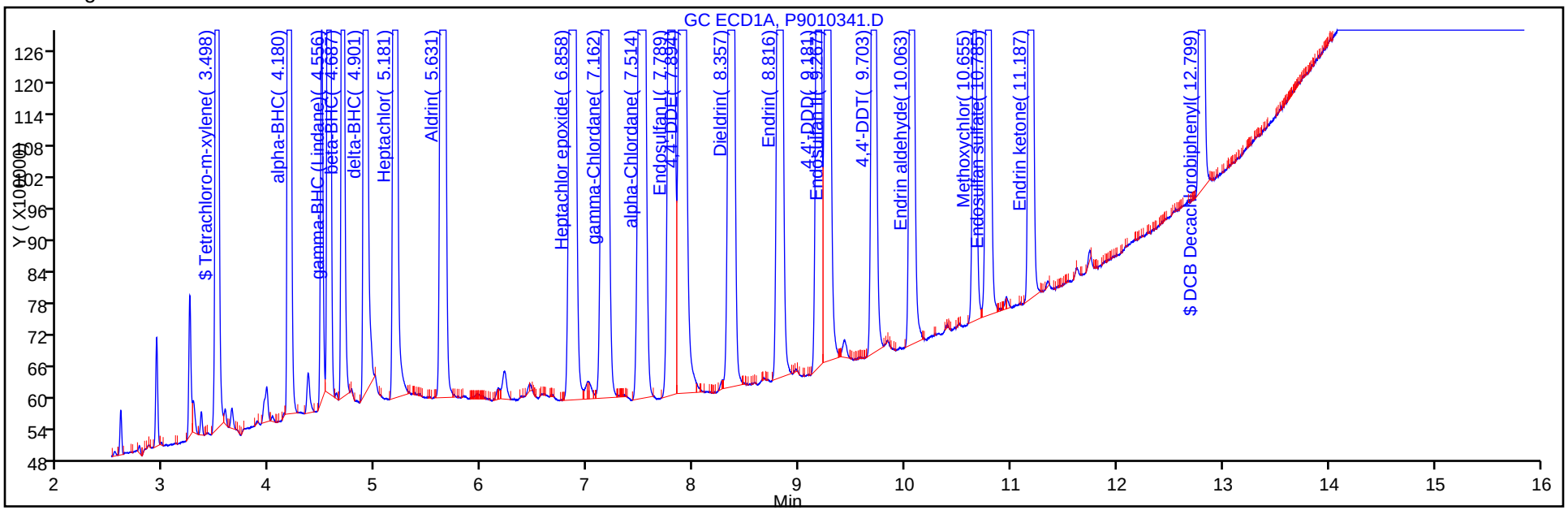
Report Date: 04-Jan-2013 10:57:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

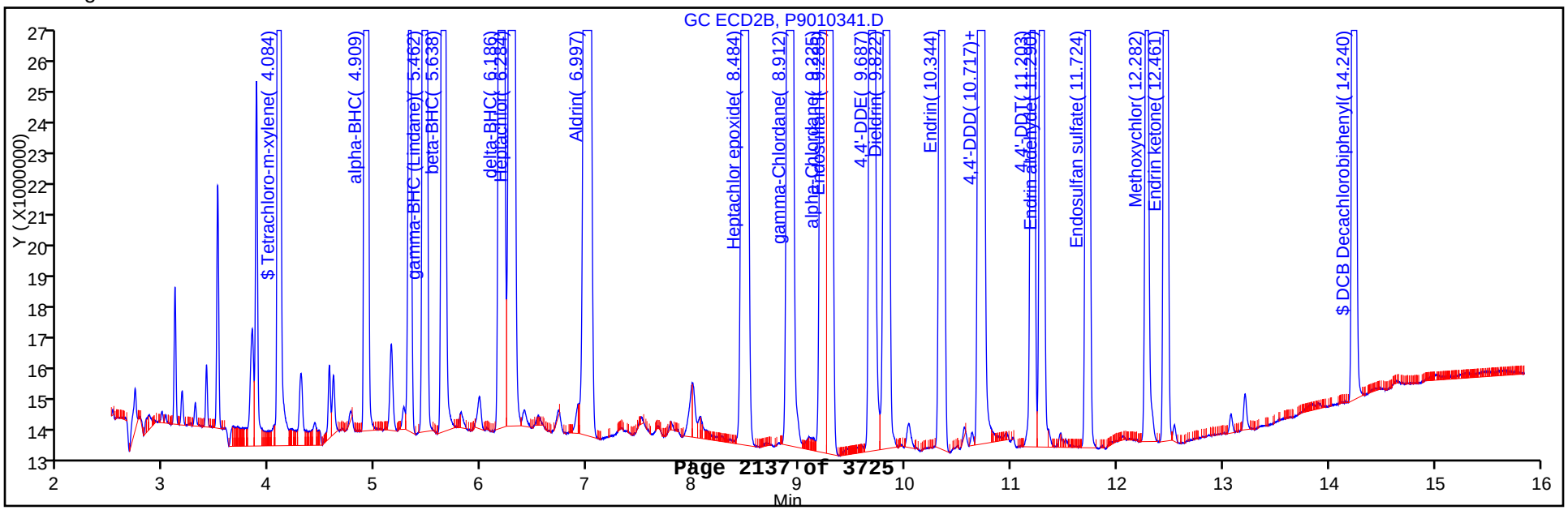
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010341.D

Injection Date:	04-Jan-2013 07:54:06	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	41
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/41 Calibration Date: 01/04/2013 07:54

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010341.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13177110828	14271138360		0.0271	0.0250	8.3	20.0
gamma-BHC (Lindane)	Ave	10430817708	10904542440		0.0261	0.0250	4.5	20.0
beta-BHC	Ave	4362472019	5016076320		0.0287	0.0250	15.0	20.0
delta-BHC	Ave	10854717199	11103113720		0.0256	0.0250	2.3	20.0
Heptachlor	Ave	8804394038	9684175280		0.0275	0.0250	10.0	20.0
Aldrin	Ave	10632857867	11951423280		0.0281	0.0250	12.4	20.0
Heptachlor epoxide	Ave	8343678396	9984965960		0.0299	0.0250	19.7	20.0
gamma-Chlordane	Ave	8931440033	9605276720		0.0269	0.0250	7.5	20.0
alpha-Chlordane	Ave	8848756132	9996511120		0.0282	0.0250	13.0	20.0
Endosulfan I	Ave	7133143283	7829102440		0.0274	0.0250	9.8	20.0
4,4'-DDE	Ave	8644997313	9613229480		0.0278	0.0250	11.2	20.0
Dieldrin	Ave	7930499061	8935229160		0.0282	0.0250	12.7	20.0
Endrin	Ave	7044330525	7623396280		0.0271	0.0250	8.2	20.0
4,4'-DDD	Ave	12386945794	12843682080		0.0259	0.0250	3.7	20.0
Endosulfan II	Ave	12386945794	12843682080		0.0259	0.0250	3.7	20.0
4,4'-DDT	Ave	4665523587	4479749080		0.0240	0.0250	-4.0	20.0
Endrin aldehyde	Ave	5251792496	5193373080		0.0247	0.0250	-1.1	20.0
Endosulfan sulfate	Ave	6354273613	5981048840		0.0235	0.0250	-5.9	20.0
Methoxychlor	Ave	2310305654	2211825560		0.0239	0.0250	-4.3	20.0
Endrin ketone	Ave	6253762508	5865244240		0.0234	0.0250	-6.2	20.0
Tetrachloro-m-xylene	Ave	8775463387	9310317240		0.0265	0.0250	6.1	20.0
DCB Decachlorobiphenyl	Ave	6793039666	6463195120		0.0238	0.0250	-4.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/41 Calibration Date: 01/04/2013 07:54

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010341.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.91	4.88	4.94
gamma-BHC (Lindane)	5.46	5.43	5.49
beta-BHC	5.64	5.61	5.67
delta-BHC	6.19	6.16	6.22
Heptachlor	6.28	6.25	6.32
Aldrin	7.00	6.97	7.03
Heptachlor epoxide	8.48	8.45	8.51
gamma-Chlordane	8.91	8.88	8.94
alpha-Chlordane	9.23	9.20	9.26
Endosulfan I	9.29	9.26	9.32
4,4'-DDE	9.69	9.66	9.72
Dieldrin	9.82	9.79	9.85
Endrin	10.34	10.31	10.37
4,4'-DDD	10.72	10.69	10.75
Endosulfan II	10.72	10.69	10.75
4,4'-DDT	11.20	11.17	11.23
Endrin aldehyde	11.29	11.26	11.32
Endosulfan sulfate	11.72	11.69	11.75
Methoxychlor	12.28	12.25	12.31
Endrin ketone	12.46	12.43	12.49
Tetrachloro-m-xylene	4.08	4.05	4.11
DCB Decachlorobiphenyl	14.24	14.21	14.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010341.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 04-Jan-2013 07:54:06 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016373-041
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 41
Lims Batch ID: 71028 Lims Sample ID: 41
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:45 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.498	3.498	0.000	73919843	0.0272			
2	100	4.084	4.084	0.000	232757931	0.0265			
						RPD = 2.47			
5 alpha-BHC									
1	100	4.180	4.180	0.000	109376064	0.0287			
2	100	4.909	4.909	0.000	356778459	0.0271			
						RPD = 5.86			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	83672594	0.0269			
2	100	5.462	5.462	0.000	272613561	0.0261			
						RPD = 2.72			
7 beta-BHC									
1	100	4.687	4.687	0.000	38805844	0.0286			
2	100	5.638	5.638	0.000	125401908	0.0287			
						RPD = 0.50			
11 delta-BHC									
1	100	4.901	4.901	0.000	86575807	0.0256			
2	100	6.186	6.186	0.000	277577843	0.0256			
						RPD = 0.29			
22 Heptachlor									
1	100	5.181	5.181	0.000	77055468	0.0281			
2	100	6.284	6.284	0.000	242104382	0.0275			
						RPD = 2.11			
4 Aldrin									
1	100	5.631	5.631	0.000	102816152	0.0289			
2	100	6.997	6.997	0.000	298785582	0.0281			
						RPD = 2.86			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.858	6.858	0.000	84834502	0.0312			
2	100	8.484	8.484	0.000	249624149	0.0299			
						RPD = 4.11			
21 gamma-Chlordane									
1	100	7.162	7.162	0.000	86338610	0.0282			
2	100	8.912	8.912	0.000	240131918	0.0269			
						RPD = 4.72			
6 alpha-Chlordane									
1	100	7.514	7.514	0.000	91960743	0.0291			
2	100	9.225	9.225	0.000	249912778	0.0282			
						RPD = 3.06			
14 Endosulfan I									
1	100	7.789	7.789	0.000	72874788	0.0285			
2	100	9.285	9.285	0.000	195727561	0.0274			
						RPD = 3.73			
2 4,4'-DDE									
1	100	7.894	7.894	0.000	96181563	0.0291			
2	100	9.687	9.687	0.000	240330737	0.0278			
						RPD = 4.53			
13 Dieldrin									
1	100	8.357	8.357	0.000	77550867	0.0292			
2	100	9.822	9.822	0.000	223380729	0.0282			
						RPD = 3.63			
17 Endrin									
1	100	8.816	8.816	0.000	70351911	0.0288			
2	100	10.344	10.344	0.000	190584907	0.0271			
						RPD = 6.21			
1 4,4'-DDD									
1	100	9.181	9.181	0.000	53107706	0.0281			
2	100	10.717	10.717	0.000	321092052	0.0259			
						RPD = 8.05			
15 Endosulfan II									
1	100	9.267	9.267	0.000	68760669	0.0272			
2	100	10.717	10.717	0.000	321092052	0.0259			
						RPD = 4.87			
3 4,4'-DDT									
1	100	9.703	9.703	0.000	48128982	0.0256			
2	100	11.203	11.203	0.000	111993727	0.0240			
						RPD = 6.59			
18 Endrin aldehyde									
1	100	10.063	10.063	0.000	49770475	0.0271			
2	100	11.290	11.290	0.000	129834327	0.0247			
						RPD = 9.06			
27 Methoxychlor									
1	100	10.655	10.655	0.000	22461238	0.0256			
2	100	12.282	12.282	0.000	55295639	0.0239			
						RPD = 6.67			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.785	10.785	0.000	58582754	0.0262			
2	100	11.724	11.724	0.000	149526221	0.0235			
						RPD = 10.62			
19 Endrin ketone									
1	100	11.187	11.187	0.000	61049327	0.0261			
2	100	12.461	12.461	0.000	146631106	0.0234			
						RPD = 10.61			
$ 10 DCB Decachlorobiphenyl									
1	100	12.799	12.799	0.000	68855646	0.0270			
2	100	14.240	14.240	0.000	161579878	0.0238			
						RPD = 12.56			

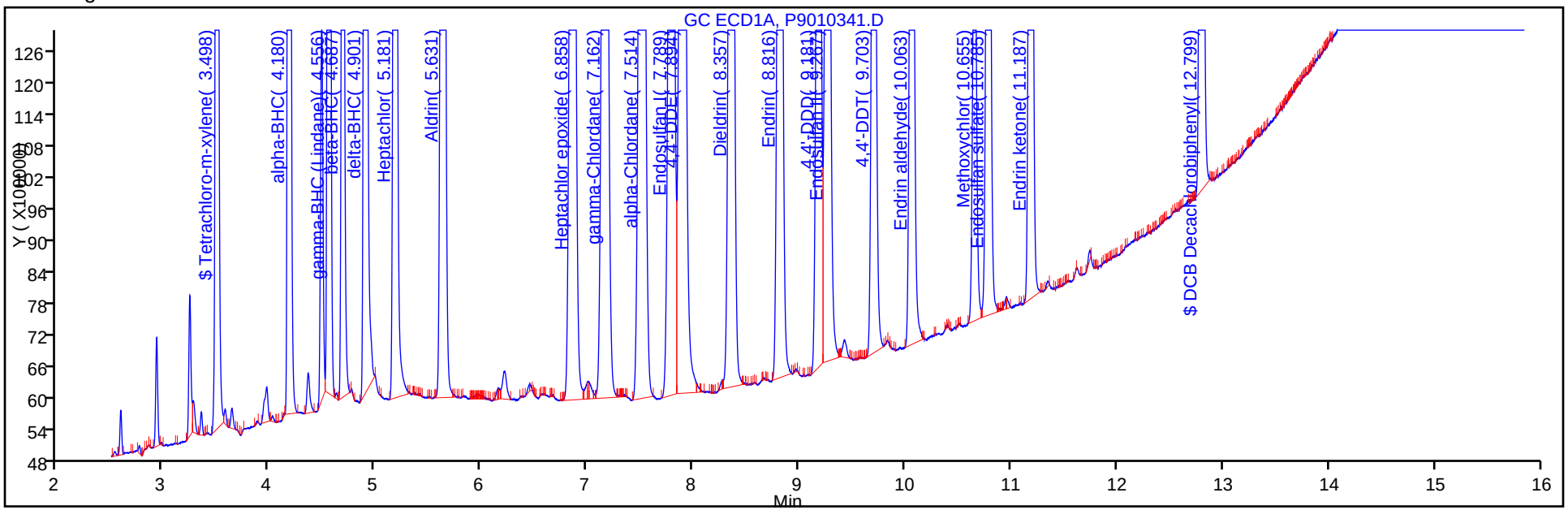
Report Date: 04-Jan-2013 10:57:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

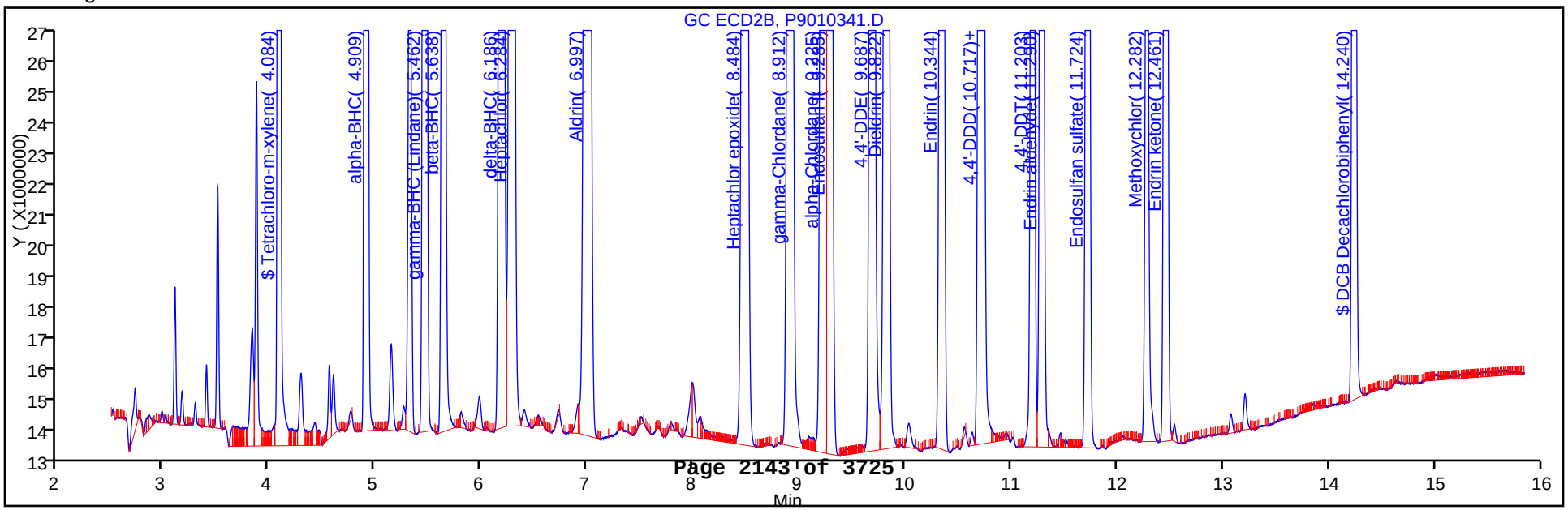
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010341.D

Injection Date:	04-Jan-2013 07:54:06	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	41
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/44 Calibration Date: 01/04/2013 09:43

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010345.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	68992790	84514187		1.22	1.00	22.5*	20.0
Toxaphene Peak 2	Ave	85469637	106942704		1.25	1.00	25.1*	20.0
Toxaphene Peak 3	Ave	73765512	86331118		1.17	1.00	17.0	20.0
Toxaphene Peak 4	Ave	98743767	113304100		1.15	1.00	14.7	20.0
Toxaphene Peak 5	Ave	63625849	70483680		1.11	1.00	10.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/44 Calibration Date: 01/04/2013 09:43

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010345.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.50	9.47	9.53
Toxaphene Peak 2	9.95	9.92	9.98
Toxaphene Peak 3	10.01	9.98	10.04
Toxaphene Peak 4	10.60	10.57	10.63
Toxaphene Peak 5	11.16	11.13	11.19

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010345.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 04-Jan-2013 09:43:56 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016373-044
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 71028 Lims Sample ID: 44
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:49 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 10:49:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.497	9.497	0.000	84514187	1.22		100.0	M
1	2	9.946	9.946	0.000	106942704	1.25	105.5- 145.5	126.5	M
1	3	10.012	10.012	0.000	86331118	1.17	90.3- 130.3	102.1	M
1	4	10.596	10.596	0.000	113304100	1.15	116.9- 156.9	134.1	M
1	5	11.161	11.161	0.000	70483680	1.11	64.5- 104.5	83.4	M
			Average of Peak Amounts =			1.18			
2	100	10.879	10.879	0.000	314253313	1.18		100.0	
2	2	11.427	11.427	0.000	185344767	1.12	43.7- 83.7	59.0	
2	3	11.830	11.830	0.000	178474204	1.04	45.7- 85.7	56.8	
2	4	12.058	12.058	0.000	270074538	1.05	80.2- 120.2	85.9	
2	5	12.446	12.446	0.000	107538107	0.8796	28.1- 68.1	34.2	
			Average of Peak Amounts =			1.05			
						RPD = 11.27			

QC Flag Legend

Review Flags
M - Manually Integrated

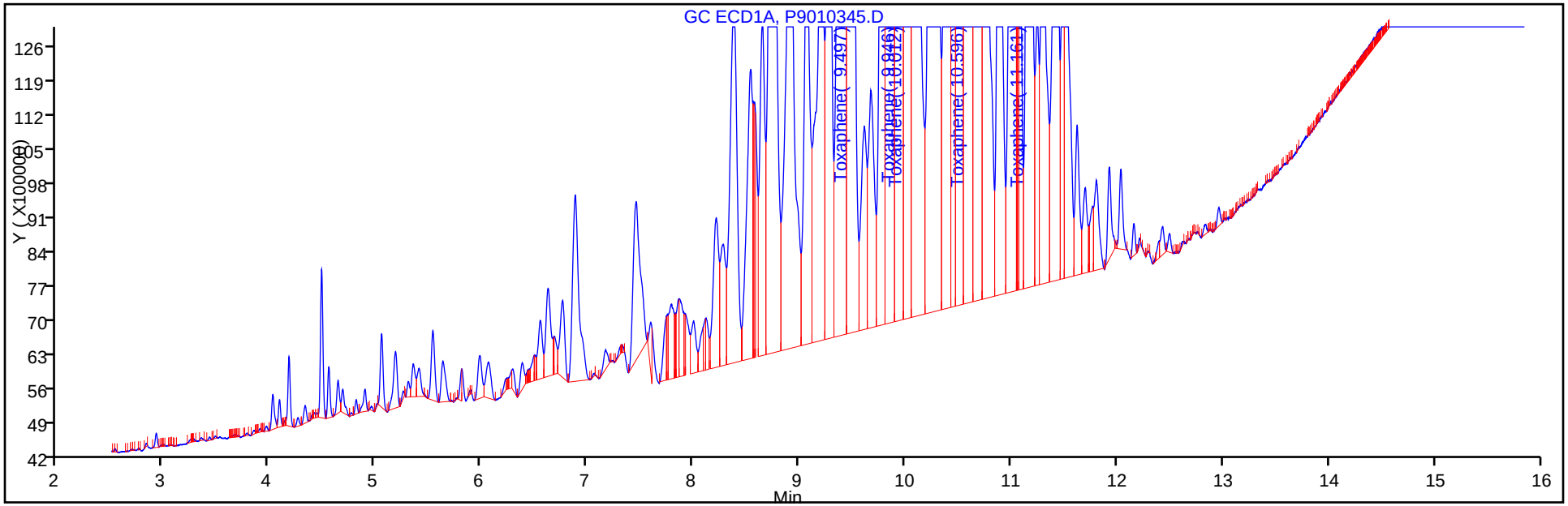
Report Date: 04-Jan-2013 10:57:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

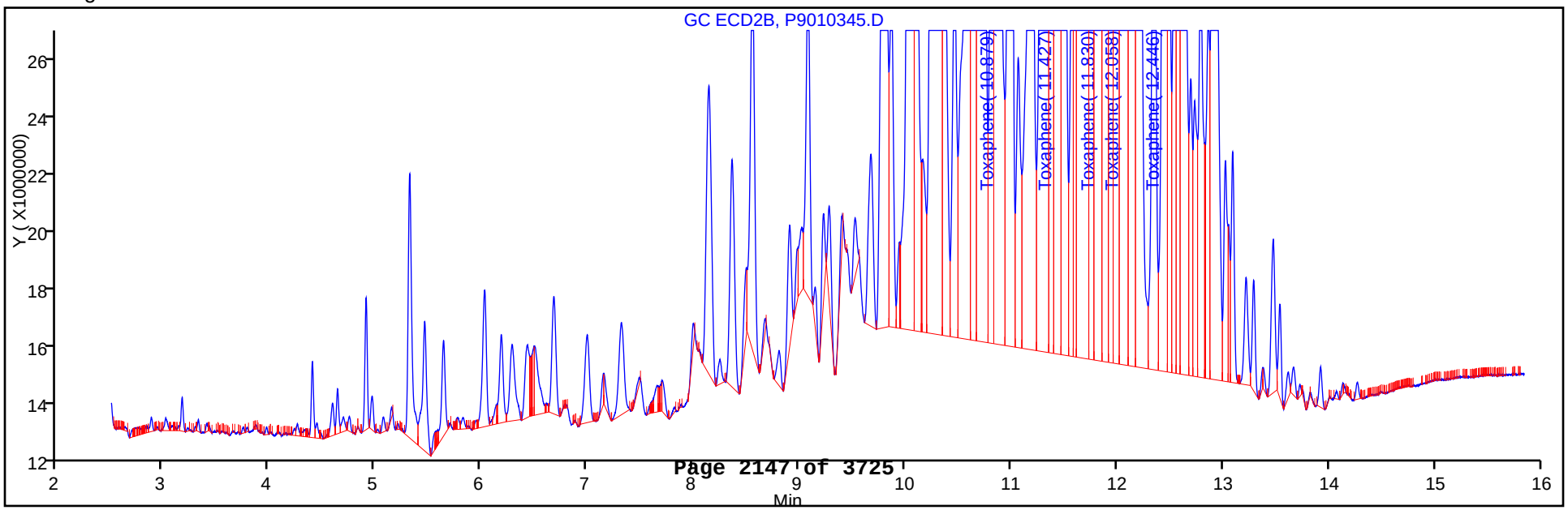
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010345.D

Injection Date:	04-Jan-2013 09:43:56	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	44
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



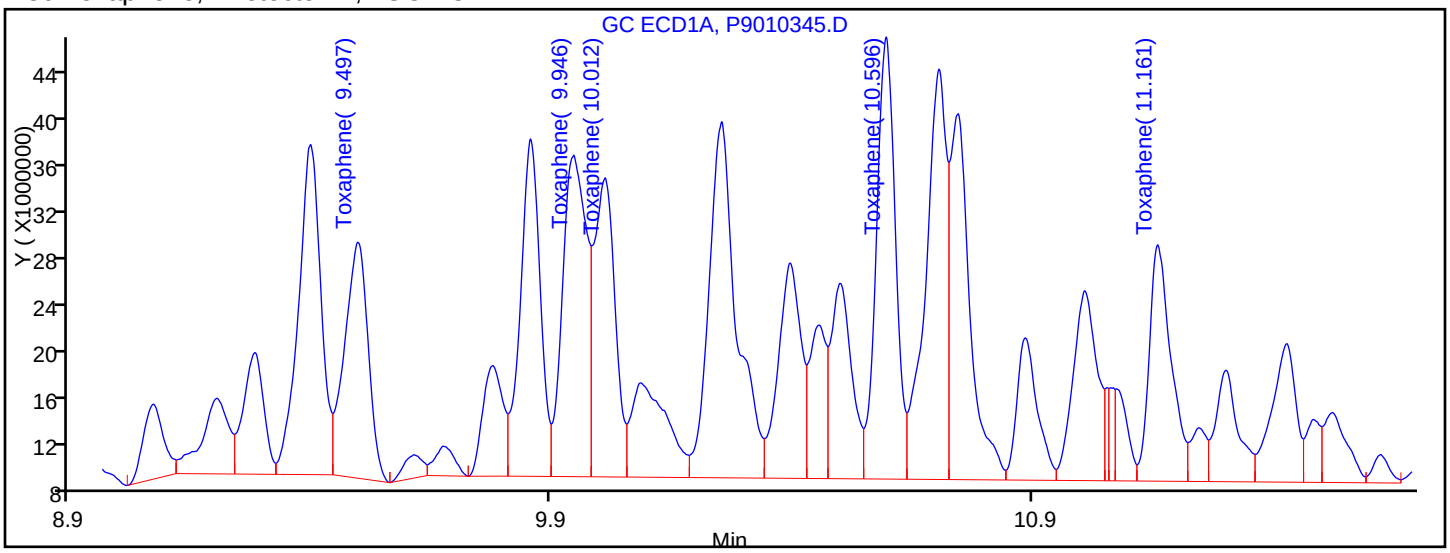
Report Date: 04-Jan-2013 10:57:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010345.D

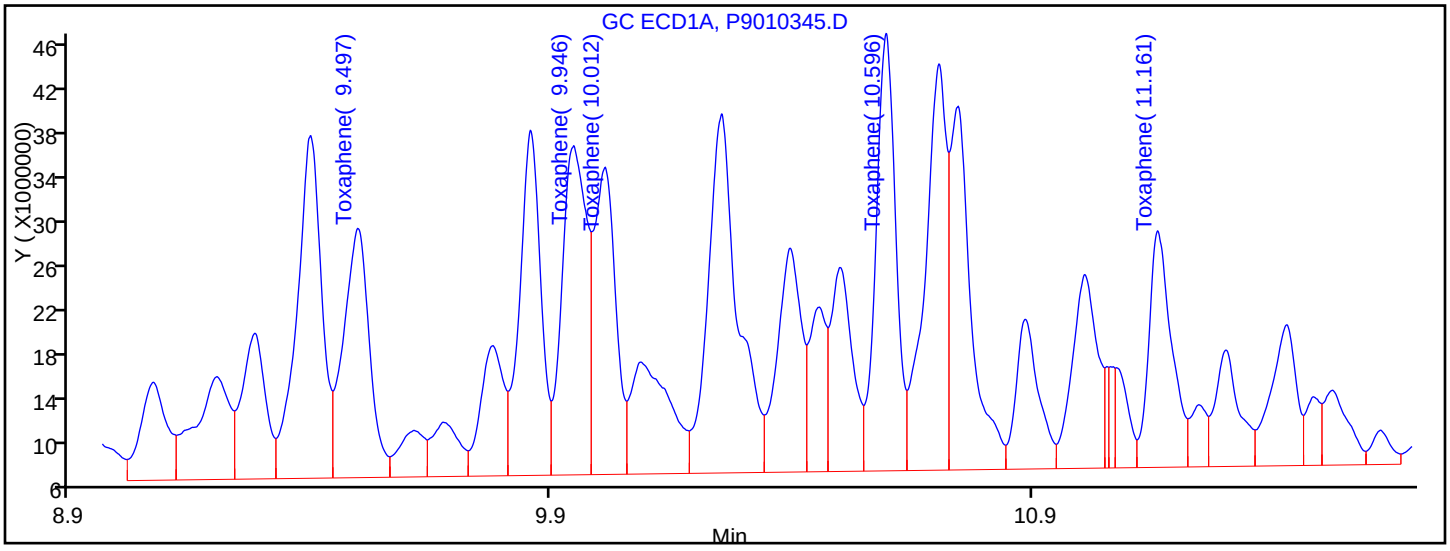
Injection Date:	04-Jan-2013 09:43:56	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	44
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.497	Response = 68873402	M
RT = 9.946	Response = 96256086	M
RT = 10.012	Response = 77126419	M
RT = 10.596	Response = 104847131	M
RT = 11.161	Response = 63738187	M



Manual Integration Results

RT = 9.497	Response = 84514187	M
RT = 9.946	Response = 106942704	M
RT = 10.012	Response = 86331118	M
RT = 10.596	Response = 113304100	M
RT = 11.161	Response = 70483680	M

Reviewer: vandorenc, 04-Jan-2013 10:49:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/44 Calibration Date: 01/04/2013 09:43

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010345.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	265485355	314253313		1.18	1.00	18.4	20.0
Toxaphene Peak 2	Ave	165982849	185344767		1.12	1.00	11.7	20.0
Toxaphene Peak 3	Ave	171487862	178474204		1.04	1.00	4.1	20.0
Toxaphene Peak 4	Ave	256795996	270074538		1.05	1.00	5.2	20.0
Toxaphene Peak 5	Ave	122259762	107538107		0.880	1.00	-12.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/44 Calibration Date: 01/04/2013 09:43

Instrument ID: A2HP9 Calib Start Date: 12/06/2012 13:58

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/06/2012 15:48

Lab File ID: P9010345.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.88	10.85	10.91
Toxaphene Peak 2	11.43	11.40	11.46
Toxaphene Peak 3	11.83	11.80	11.86
Toxaphene Peak 4	12.06	12.03	12.09
Toxaphene Peak 5	12.45	12.42	12.48

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010345.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 04-Jan-2013 09:43:56 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016373-044
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 71028 Lims Sample ID: 44
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:49 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 10:49:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.497	9.497	0.000	84514187	1.22		100.0	M
1	2	9.946	9.946	0.000	106942704	1.25	105.5- 145.5	126.5	M
1	3	10.012	10.012	0.000	86331118	1.17	90.3- 130.3	102.1	M
1	4	10.596	10.596	0.000	113304100	1.15	116.9- 156.9	134.1	M
1	5	11.161	11.161	0.000	70483680	1.11	64.5- 104.5	83.4	M
			Average of Peak Amounts =			1.18			
2	100	10.879	10.879	0.000	314253313	1.18		100.0	
2	2	11.427	11.427	0.000	185344767	1.12	43.7- 83.7	59.0	
2	3	11.830	11.830	0.000	178474204	1.04	45.7- 85.7	56.8	
2	4	12.058	12.058	0.000	270074538	1.05	80.2- 120.2	85.9	
2	5	12.446	12.446	0.000	107538107	0.8796	28.1- 68.1	34.2	
			Average of Peak Amounts =			1.05			
						RPD = 11.27			

QC Flag Legend

Review Flags
M - Manually Integrated

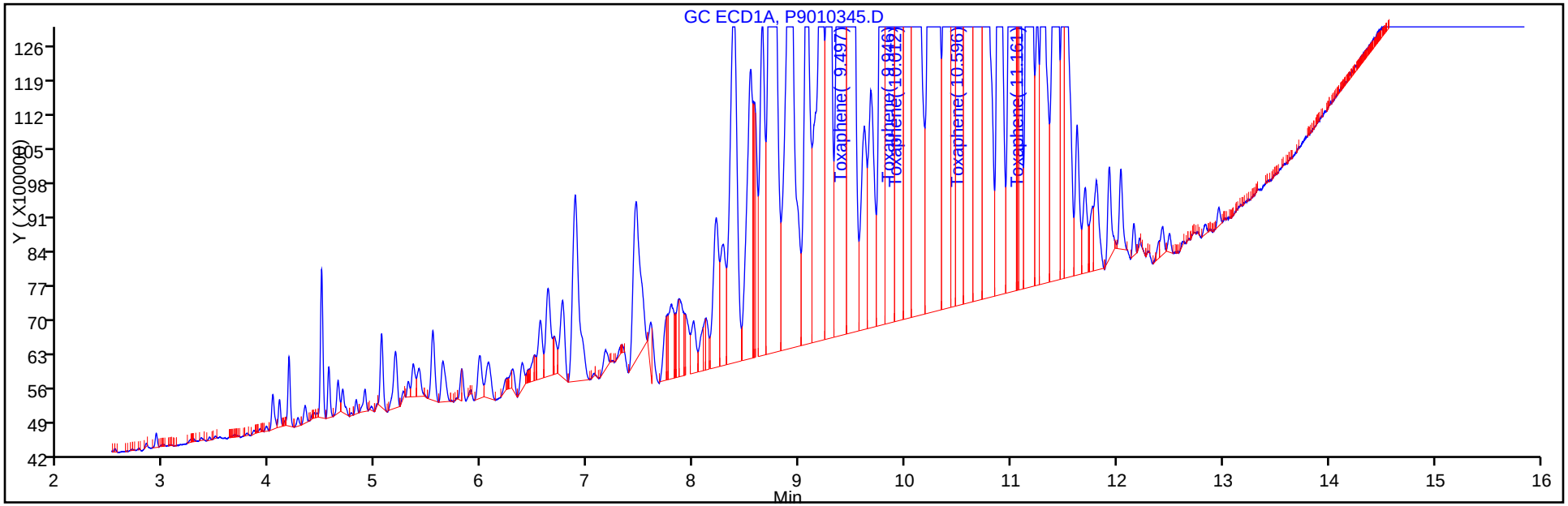
Report Date: 04-Jan-2013 10:57:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

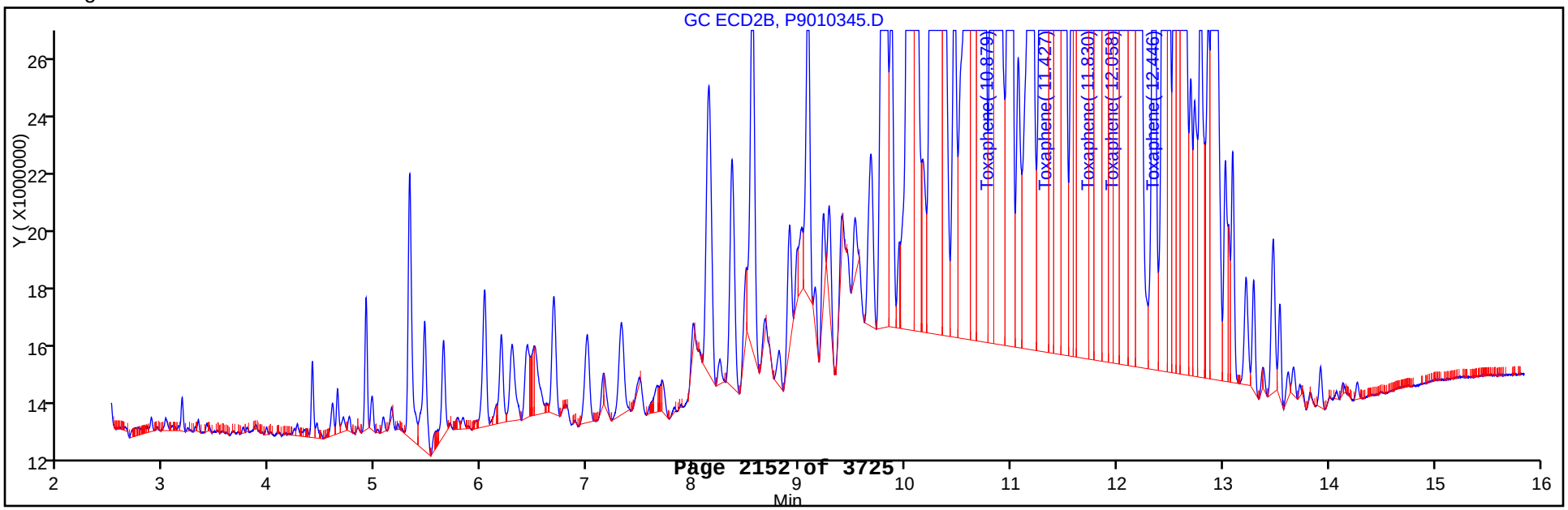
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010345.D

Injection Date:	04-Jan-2013 09:43:56	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	44
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/45 Calibration Date: 01/04/2013 10:11

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010346.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3809820948	4024267120		0.0264	0.0250	5.6	20.0
gamma-BHC (Lindane)	Ave	3115561773	3009222960		0.0241	0.0250	-3.4	20.0
beta-BHC	Ave	1356797063	1436303600		0.0265	0.0250	5.9	20.0
delta-BHC	Ave	3375911380	3313256960		0.0245	0.0250	-1.9	20.0
Heptachlor	Ave	2743824669	2678612080		0.0244	0.0250	-2.4	20.0
Aldrin	Ave	3555606031	3841703520		0.0270	0.0250	8.0	20.0
Heptachlor epoxide	Ave	2721274567	2882343080		0.0265	0.0250	5.9	20.0
gamma-Chlordane	Ave	3063197814	3047348600		0.0249	0.0250	-0.5	20.0
alpha-Chlordane	Ave	3157953329	3280212320		0.0260	0.0250	3.9	20.0
Endosulfan I	Ave	2558663944	2578135440		0.0252	0.0250	0.8	20.0
4,4'-DDE	Ave	3306510503	3509424680		0.0265	0.0250	6.1	20.0
Dieldrin	Ave	2654935053	2649426720		0.0249	0.0250	-0.2	20.0
Endrin	Ave	2443787478	2441505240		0.0250	0.0250	-0.0	20.0
4,4'-DDD	Ave	1890252848	1824063120		0.0241	0.0250	-3.5	20.0
Endosulfan II	Ave	2526594343	2523096560		0.0250	0.0250	-0.1	20.0
4,4'-DDT	Ave	1877093720	1755149360		0.0234	0.0250	-6.5	20.0
Endrin aldehyde	Ave	1838690332	1791334040		0.0244	0.0250	-2.6	20.0
Methoxychlor	Ave	877879613	816272600		0.0232	0.0250	-7.0	20.0
Endosulfan sulfate	Ave	2238400517	2102049360		0.0235	0.0250	-6.1	20.0
Endrin ketone	Ave	2341348883	2211565560		0.0236	0.0250	-5.5	20.0
Tetrachloro-m-xylene	Ave	2718867034	2814945080		0.0259	0.0250	3.5	20.0
DCB Decachlorobiphenyl	Ave	2552750546	2494149320		0.0244	0.0250	-2.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/45 Calibration Date: 01/04/2013 10:11

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010346.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.15	4.21
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.69	4.66	4.72
delta-BHC	4.90	4.87	4.93
Heptachlor	5.18	5.15	5.22
Aldrin	5.63	5.60	5.66
Heptachlor epoxide	6.86	6.83	6.89
gamma-Chlordane	7.16	7.13	7.19
alpha-Chlordane	7.51	7.48	7.54
Endosulfan I	7.79	7.76	7.82
4,4'-DDE	7.90	7.86	7.92
Dieldrin	8.36	8.33	8.39
Endrin	8.82	8.79	8.85
4,4'-DDD	9.18	9.15	9.21
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.71	9.67	9.73
Endrin aldehyde	10.06	10.03	10.09
Methoxychlor	10.66	10.63	10.69
Endosulfan sulfate	10.79	10.76	10.82
Endrin ketone	11.19	11.16	11.22
Tetrachloro-m-xylene	3.50	3.47	3.53
DCB Decachlorobiphenyl	12.80	12.77	12.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010346.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 04-Jan-2013 10:11:39 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016373-045
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 46
Lims Batch ID: 71028 Lims Sample ID: 45
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:53 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.497	3.498	-0.001	70373627	0.0259			
2	100	4.084	4.084	0.000	220157681	0.0251			
						RPD = 3.12			
5 alpha-BHC									
1	100	4.180	4.180	0.000	100606678	0.0264			
2	100	4.908	4.909	-0.001	325476253	0.0247			
						RPD = 6.68			
20 gamma-BHC (Lindane)									
1	100	4.555	4.556	-0.001	75230574	0.0241			
2	100	5.462	5.462	0.000	240438880	0.0231			
						RPD = 4.64			
7 beta-BHC									
1	100	4.686	4.687	-0.001	35907590	0.0265			
2	100	5.637	5.638	-0.001	112570438	0.0258			
						RPD = 2.53			
11 delta-BHC									
1	100	4.900	4.901	-0.001	82831424	0.0245			
2	100	6.185	6.186	-0.001	255951730	0.0236			
						RPD = 3.97			
22 Heptachlor									
1	100	5.180	5.181	-0.001	66965302	0.0244			
2	100	6.283	6.284	-0.001	208670674	0.0237			
						RPD = 2.93			
4 Aldrin									
1	100	5.630	5.631	-0.001	96042588	0.0270			
2	100	6.997	6.997	0.000	277473034	0.0261			
						RPD = 3.45			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.856	6.858	-0.002	72058577	0.0265			
2	100	8.485	8.484	0.001	214084050	0.0257			
						RPD = 3.15			
21 gamma-Chlordane									
1	100	7.163	7.162	0.001	76183715	0.0249			
2	100	8.912	8.912	0.000	212367028	0.0238			
						RPD = 4.49			
6 alpha-Chlordane									
1	100	7.514	7.514	0.000	82005308	0.0260			
2	100	9.226	9.225	0.001	222829308	0.0252			
						RPD = 3.07			
14 Endosulfan I									
1	100	7.790	7.789	0.001	64453386	0.0252			
2	100	9.285	9.285	0.000	172384209	0.0242			
						RPD = 4.15			
2 4,4'-DDE									
1	100	7.895	7.894	0.001	87735617	0.0265			
2	100	9.687	9.687	0.000	220570109	0.0255			
						RPD = 3.92			
13 Dieldrin									
1	100	8.359	8.357	0.002	66235668	0.0249			
2	100	9.823	9.822	0.001	193597014	0.0244			
						RPD = 2.17			
17 Endrin									
1	100	8.815	8.816	-0.001	61037631	0.0250			
2	100	10.345	10.344	0.001	165566472	0.0235			
						RPD = 6.08			
1 4,4'-DDD									
1	100	9.183	9.181	0.002	45601578	0.0241			
2	100	10.718	10.717	0.001	286170365	0.0231			
						RPD = 4.33			
15 Endosulfan II									
1	100	9.267	9.267	0.000	63077414	0.0250			
2	100	10.718	10.717	0.001	286170365	0.0231			
						RPD = 7.75			
3 4,4'-DDT									
1	100	9.705	9.703	0.002	43878734	0.0234			
2	100	11.203	11.203	0.000	104649323	0.0224			
						RPD = 4.13			
18 Endrin aldehyde									
1	100	10.063	10.063	0.000	44783351	0.0244			
2	100	11.290	11.290	0.000	115292280	0.0220			
						RPD = 10.38			
27 Methoxychlor									
1	100	10.655	10.655	0.000	20406815	0.0232			
2	100	12.282	12.282	0.000	52841103	0.0229			
						RPD = 1.62			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.787	10.785	0.002	52551234	0.0235			
2	100	11.724	11.724	0.000	135786777	0.0214			
						RPD = 9.40			
19 Endrin ketone									
1	100	11.186	11.187	-0.001	55289139	0.0236			
2	100	12.460	12.461	-0.001	134557480	0.0215			
						RPD = 9.30			
$ 10 DCB Decachlorobiphenyl									
1	100	12.799	12.799	0.000	62353733	0.0244			
2	100	14.240	14.240	0.000	146364021	0.0215			
						RPD = 12.53			

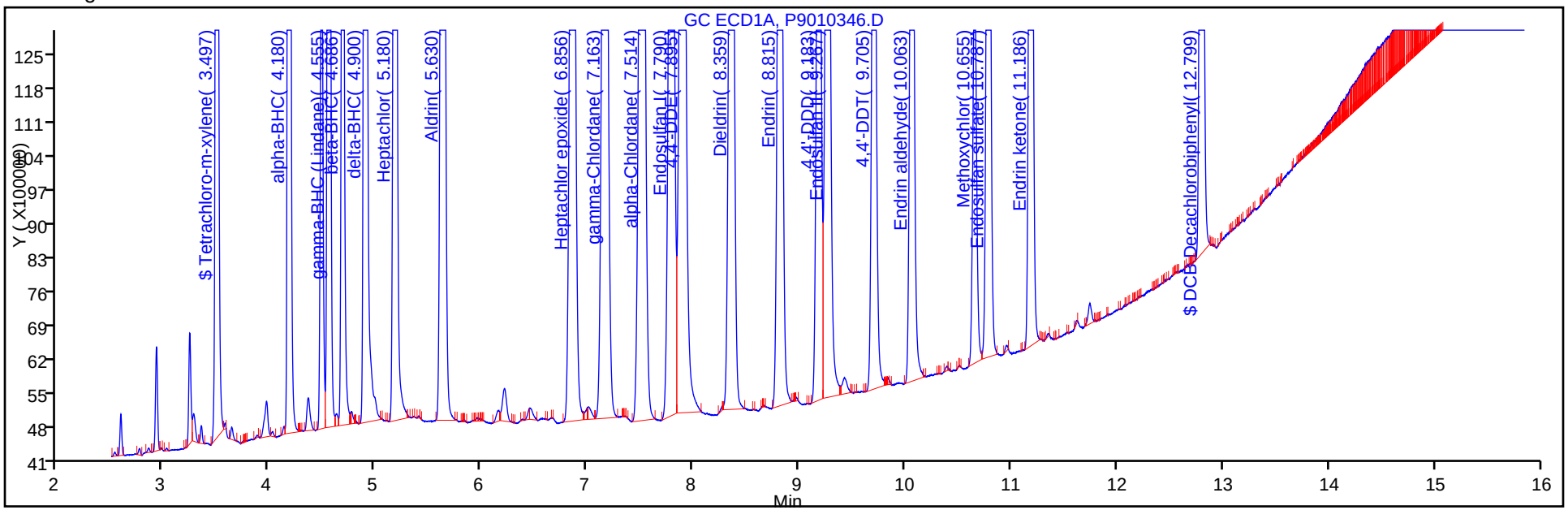
Report Date: 04-Jan-2013 10:57:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

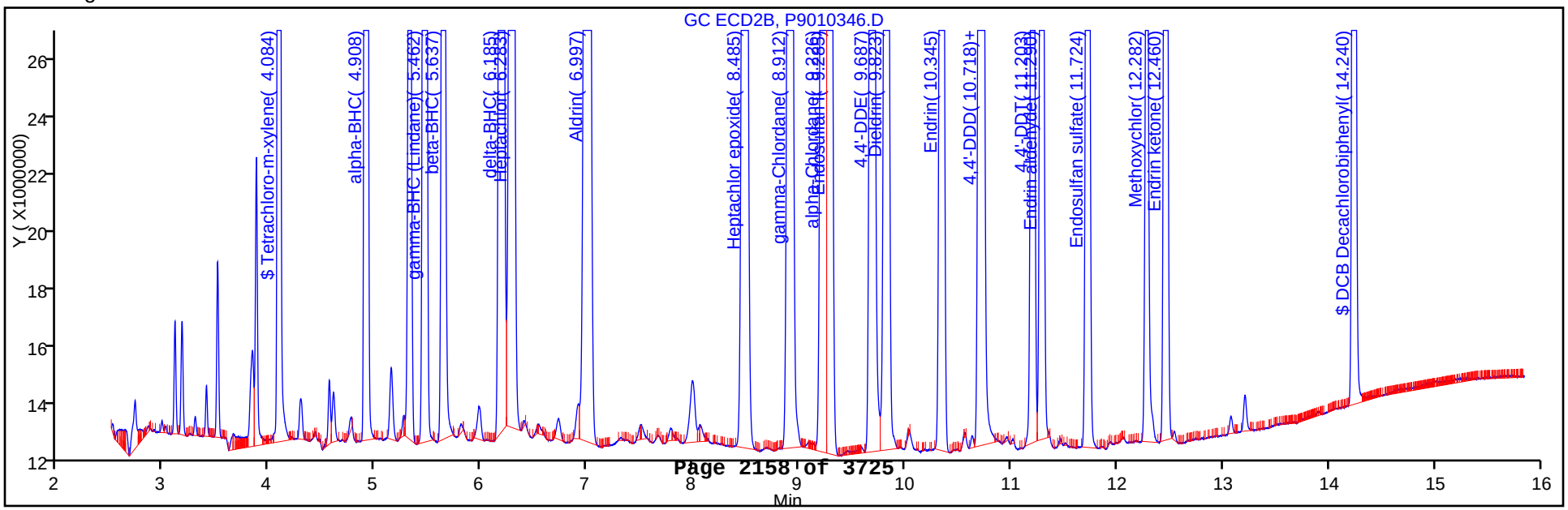
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010346.D

Injection Date:	04-Jan-2013 10:11:39	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	45
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/45 Calibration Date: 01/04/2013 10:11

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010346.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	13177110828	13019050120		0.0247	0.0250	-1.2	20.0
gamma-BHC (Lindane)	Ave	10430817708	9617555200		0.0231	0.0250	-7.8	20.0
beta-BHC	Ave	4362472019	4502817520		0.0258	0.0250	3.2	20.0
delta-BHC	Ave	10854717199	10238069200		0.0236	0.0250	-5.7	20.0
Heptachlor	Ave	8804394038	8346826960		0.0237	0.0250	-5.2	20.0
Aldrin	Ave	10632857867	11098921360		0.0261	0.0250	4.4	20.0
Heptachlor epoxide	Ave	8343678396	8563362000		0.0257	0.0250	2.6	20.0
gamma-Chlordane	Ave	8931440033	8494681120		0.0238	0.0250	-4.9	20.0
alpha-Chlordane	Ave	8848756132	8913172320		0.0252	0.0250	0.7	20.0
Endosulfan I	Ave	7133143283	6895368360		0.0242	0.0250	-3.3	20.0
4,4'-DDE	Ave	8644997313	8822804360		0.0255	0.0250	2.1	20.0
Dieldrin	Ave	7930499061	7743880560		0.0244	0.0250	-2.4	20.0
Endrin	Ave	7044330525	6622658880		0.0235	0.0250	-6.0	20.0
4,4'-DDD	Ave	12386945794	11446814600		0.0231	0.0250	-7.6	20.0
Endosulfan II	Ave	12386945794	11446814600		0.0231	0.0250	-7.6	20.0
4,4'-DDT	Ave	4665523587	4185972920		0.0224	0.0250	-10.3	20.0
Endrin aldehyde	Ave	5251792496	4611691200		0.0220	0.0250	-12.2	20.0
Endosulfan sulfate	Ave	6354273613	5431471080		0.0214	0.0250	-14.5	20.0
Methoxychlor	Ave	2310305654	2113644120		0.0229	0.0250	-8.5	20.0
Endrin ketone	Ave	6253762508	5382299200		0.0215	0.0250	-13.9	20.0
Tetrachloro-m-xylene	Ave	8775463387	8806307240		0.0251	0.0250	0.4	20.0
DCB Decachlorobiphenyl	Ave	6793039666	5854560840		0.0215	0.0250	-13.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-71028/45 Calibration Date: 01/04/2013 10:11

Instrument ID: A2HP9 Calib Start Date: 12/22/2012 13:11

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/22/2012 15:13

Lab File ID: P9010346.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.91	4.88	4.94
gamma-BHC (Lindane)	5.46	5.43	5.49
beta-BHC	5.64	5.61	5.67
delta-BHC	6.19	6.16	6.22
Heptachlor	6.28	6.25	6.32
Aldrin	7.00	6.97	7.03
Heptachlor epoxide	8.49	8.45	8.51
gamma-Chlordane	8.91	8.88	8.94
alpha-Chlordane	9.23	9.20	9.26
Endosulfan I	9.29	9.26	9.32
4,4'-DDE	9.69	9.66	9.72
Dieldrin	9.82	9.79	9.85
Endrin	10.35	10.31	10.37
4,4'-DDD	10.72	10.69	10.75
Endosulfan II	10.72	10.69	10.75
4,4'-DDT	11.20	11.17	11.23
Endrin aldehyde	11.29	11.26	11.32
Endosulfan sulfate	11.72	11.69	11.75
Methoxychlor	12.28	12.25	12.31
Endrin ketone	12.46	12.43	12.49
Tetrachloro-m-xylene	4.08	4.05	4.11
DCB Decachlorobiphenyl	14.24	14.21	14.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010346.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 04-Jan-2013 10:11:39 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016373-045
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 46
Lims Batch ID: 71028 Lims Sample ID: 45
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:53 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.497	3.498	-0.001	70373627	0.0259			
2	100	4.084	4.084	0.000	220157681	0.0251			
						RPD = 3.12			
5 alpha-BHC									
1	100	4.180	4.180	0.000	100606678	0.0264			
2	100	4.908	4.909	-0.001	325476253	0.0247			
						RPD = 6.68			
20 gamma-BHC (Lindane)									
1	100	4.555	4.556	-0.001	75230574	0.0241			
2	100	5.462	5.462	0.000	240438880	0.0231			
						RPD = 4.64			
7 beta-BHC									
1	100	4.686	4.687	-0.001	35907590	0.0265			
2	100	5.637	5.638	-0.001	112570438	0.0258			
						RPD = 2.53			
11 delta-BHC									
1	100	4.900	4.901	-0.001	82831424	0.0245			
2	100	6.185	6.186	-0.001	255951730	0.0236			
						RPD = 3.97			
22 Heptachlor									
1	100	5.180	5.181	-0.001	66965302	0.0244			
2	100	6.283	6.284	-0.001	208670674	0.0237			
						RPD = 2.93			
4 Aldrin									
1	100	5.630	5.631	-0.001	96042588	0.0270			
2	100	6.997	6.997	0.000	277473034	0.0261			
						RPD = 3.45			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.856	6.858	-0.002	72058577	0.0265			
2	100	8.485	8.484	0.001	214084050	0.0257			
						RPD = 3.15			
21 gamma-Chlordane									
1	100	7.163	7.162	0.001	76183715	0.0249			
2	100	8.912	8.912	0.000	212367028	0.0238			
						RPD = 4.49			
6 alpha-Chlordane									
1	100	7.514	7.514	0.000	82005308	0.0260			
2	100	9.226	9.225	0.001	222829308	0.0252			
						RPD = 3.07			
14 Endosulfan I									
1	100	7.790	7.789	0.001	64453386	0.0252			
2	100	9.285	9.285	0.000	172384209	0.0242			
						RPD = 4.15			
2 4,4'-DDE									
1	100	7.895	7.894	0.001	87735617	0.0265			
2	100	9.687	9.687	0.000	220570109	0.0255			
						RPD = 3.92			
13 Dieldrin									
1	100	8.359	8.357	0.002	66235668	0.0249			
2	100	9.823	9.822	0.001	193597014	0.0244			
						RPD = 2.17			
17 Endrin									
1	100	8.815	8.816	-0.001	61037631	0.0250			
2	100	10.345	10.344	0.001	165566472	0.0235			
						RPD = 6.08			
1 4,4'-DDD									
1	100	9.183	9.181	0.002	45601578	0.0241			
2	100	10.718	10.717	0.001	286170365	0.0231			
						RPD = 4.33			
15 Endosulfan II									
1	100	9.267	9.267	0.000	63077414	0.0250			
2	100	10.718	10.717	0.001	286170365	0.0231			
						RPD = 7.75			
3 4,4'-DDT									
1	100	9.705	9.703	0.002	43878734	0.0234			
2	100	11.203	11.203	0.000	104649323	0.0224			
						RPD = 4.13			
18 Endrin aldehyde									
1	100	10.063	10.063	0.000	44783351	0.0244			
2	100	11.290	11.290	0.000	115292280	0.0220			
						RPD = 10.38			
27 Methoxychlor									
1	100	10.655	10.655	0.000	20406815	0.0232			
2	100	12.282	12.282	0.000	52841103	0.0229			
						RPD = 1.62			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.787	10.785	0.002	52551234	0.0235			
2	100	11.724	11.724	0.000	135786777	0.0214			
						RPD = 9.40			
19 Endrin ketone									
1	100	11.186	11.187	-0.001	55289139	0.0236			
2	100	12.460	12.461	-0.001	134557480	0.0215			
						RPD = 9.30			
$ 10 DCB Decachlorobiphenyl									
1	100	12.799	12.799	0.000	62353733	0.0244			
2	100	14.240	14.240	0.000	146364021	0.0215			
						RPD = 12.53			

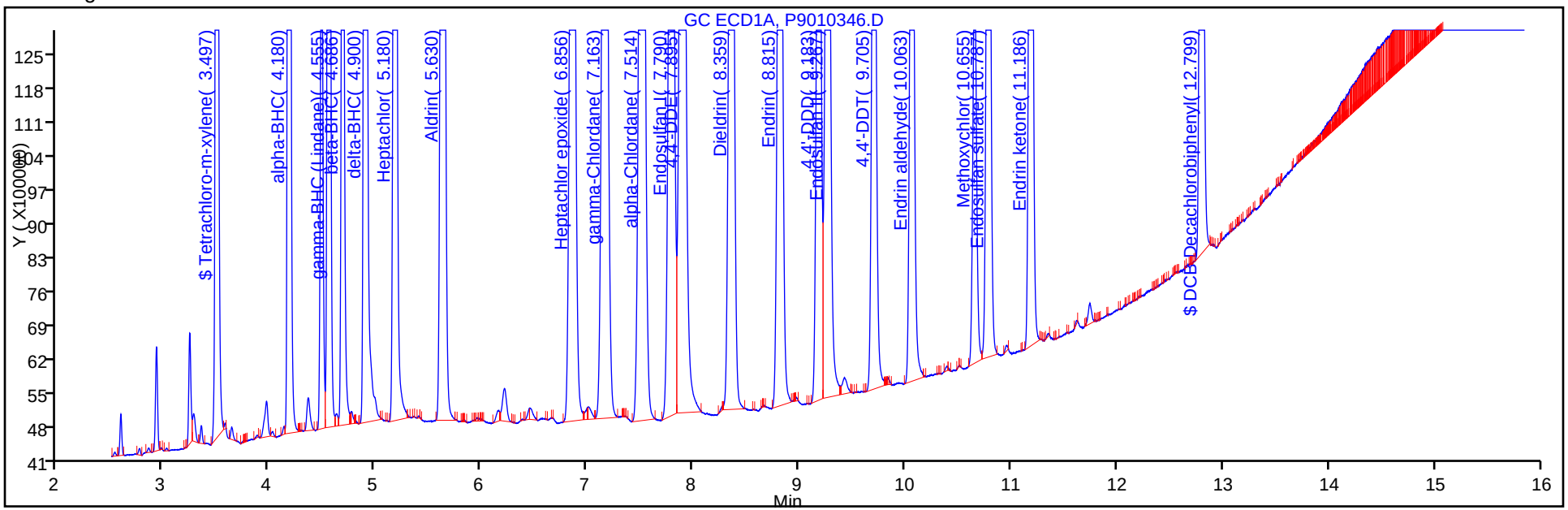
Report Date: 04-Jan-2013 10:57:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

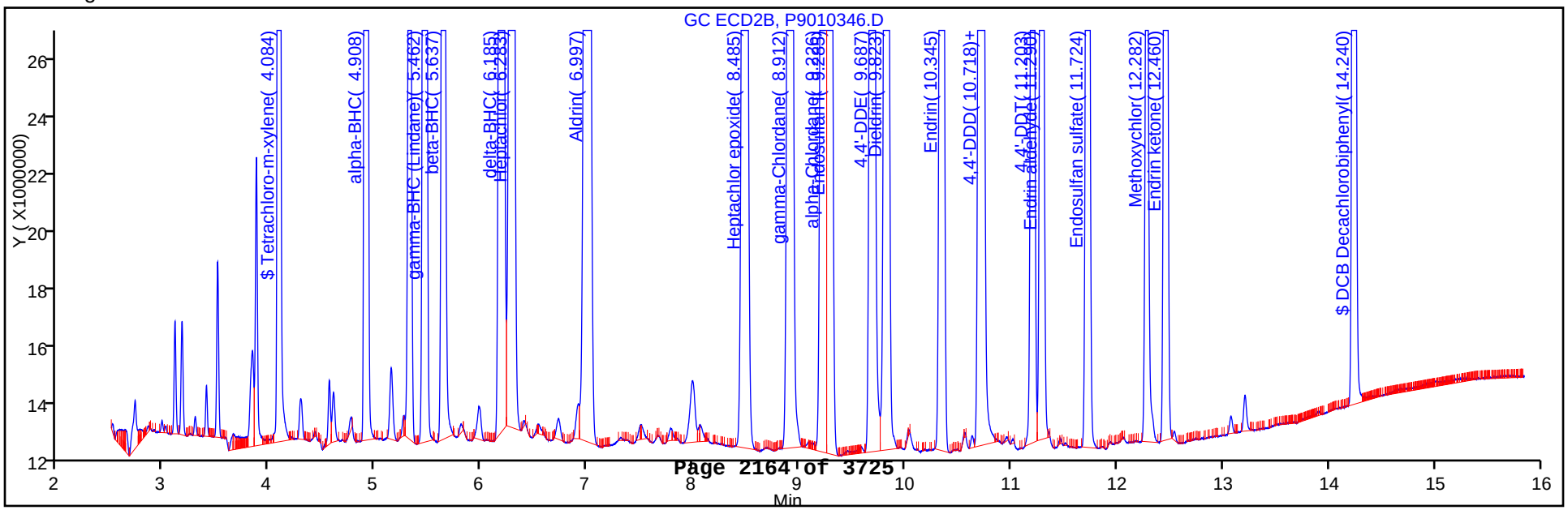
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010346.D

Injection Date:	04-Jan-2013 10:11:39	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	45
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69426/6-A

Matrix: Solid | Lab File ID: P9122229.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 12/22/2012 22:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.67	U	2.0	0.67	0.62
72-55-9	4,4'-DDE	0.67	U	1.7	0.67	0.39
50-29-3	4,4'-DDT	0.67	U	2.0	0.67	0.63
309-00-2	Aldrin	1.3	U	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U	2.5	1.3	0.73
5103-71-9	alpha-Chlordane	1.3	U	3.0	1.3	0.94
319-85-7	beta-BHC	1.3	U	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U	4.0	1.3	1.2
60-57-1	Dieldrin	0.67	U	1.7	0.67	0.47
959-98-8	Endosulfan I	0.67	U	1.7	0.67	0.52
33213-65-9	Endosulfan II	1.3	U	2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	1.3	U	3.0	1.3	0.87
72-20-8	Endrin	0.67	U	1.7	0.67	0.50
7421-93-4	Endrin aldehyde	1.3	U	3.0	1.3	1.0
53494-70-5	Endrin ketone	0.67	U	2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	1.3	U	2.5	1.3	0.74
5103-74-2	gamma-Chlordane	0.67	U	1.7	0.67	0.42
76-44-8	Heptachlor	1.3	U	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U	2.5	1.3	0.80
72-43-5	Methoxychlor	3.3	U	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		55-130
877-09-8	Tetrachloro-m-xylene	103		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122229.D
Lims ID: MB 240-69426/6-A Client ID:
Inject. Date: 22-Dec-2012 22:56:20 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016122-029
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 69893 Lims Sample ID: 29
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 03-Jan-2013 07:24:17 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK036

First Level Reviewer: vandorenc Date: 03-Jan-2013 06:49:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	56241704	0.0207			
2	100	4.089	4.089	0.000	187218221	0.0213			
						RPD = 3.09			
24 Hexachlorobenzene									
1	100		3.968						
2	100		4.696						
12 Diallate									
1	100		4.059						
1	2		4.221						
2	100		4.659						
2	2		4.806						
5 alpha-BHC									
1	100	4.188	4.182	0.006	3519406	0.000924			
2	100	4.912	4.913	-0.001	16977423	0.001288			
						RPD = 32.97			
20 gamma-BHC (Lindane)									
1	100		4.557						
2	100		5.467						
7 beta-BHC									
1	100		4.689						
2	100		5.643						
11 delta-BHC									
1	100		4.902						
2	100		6.192						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.070						
1	2		5.925						
1	3		7.168						
1	4		7.513						
2	100		5.996						
2	2		7.491						
2	3		8.918						
2	4		9.231						
22 Heptachlor									
1	100		5.183						
2	100		6.289						
4 Aldrin									
1	100		5.633						
2	100		7.005						
25 Isodrin									
1	100		6.218						
2	100		8.001						
23 Heptachlor epoxide									
1	100		6.860						
2	100		8.492						
21 gamma-Chlordane									
1	100		7.166						
2	100		8.919						
6 alpha-Chlordane									
1	100		7.516						
2	100		9.232						
14 Endosulfan I									
1	100		7.794						
2	100		9.294						
2 4,4'-DDE									
1	100		7.899						
2	100		9.694						
13 Dieldrin									
1	100		8.361						
2	100		9.829						
17 Endrin									
1	100		8.818						
2	100		10.351						
26 Kepone									
1	100		8.915						
2	100		10.536						
1 4,4'-DDD									
1	100		9.185						
2	100		10.724						
15 Endosulfan II									
1	100		9.269						
2	100		10.724						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 Chlorobenzilate									
1	100		9.286						
2	100		10.541						
30 Toxaphene									1
1	100		9.498						
1	2		9.949						
1	3		10.015						
1	4		10.599						
1	5		11.165						
2	100		10.886						
2	2		11.435						
2	3		11.836						
2	4		12.064						
2	5		12.451						
3 4,4'-DDT									
1	100		9.706						
2	100		11.209						
18 Endrin aldehyde									
1	100		10.065						
2	100		11.297						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.659						
2	100		12.288						
16 Endosulfan sulfate									
1	100		10.789						
2	100		11.730						
19 Endrin ketone									
1	100		11.188						
2	100		12.467						
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.802	-0.001	53318952	0.0209			
2	100	14.246	14.247	-0.001	119570766	0.0176			
						RPD = 17.07			

QC Flag Legend

Processing Flags
1 - Missing Peaks

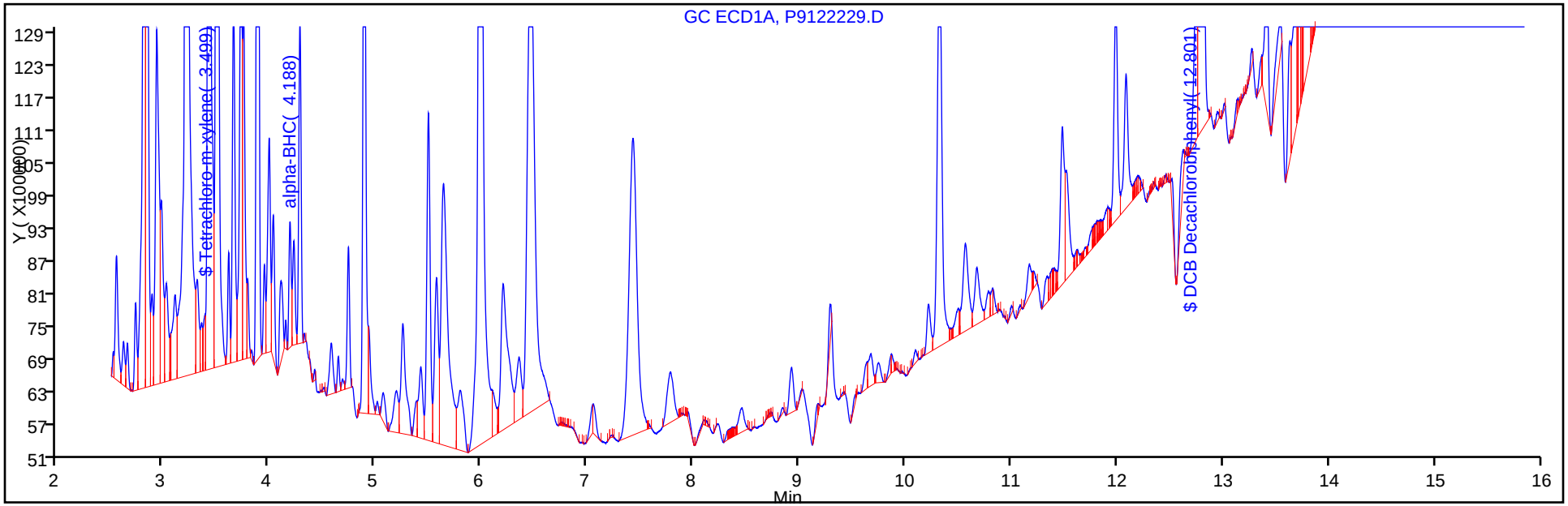
Report Date: 03-Jan-2013 07:24:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

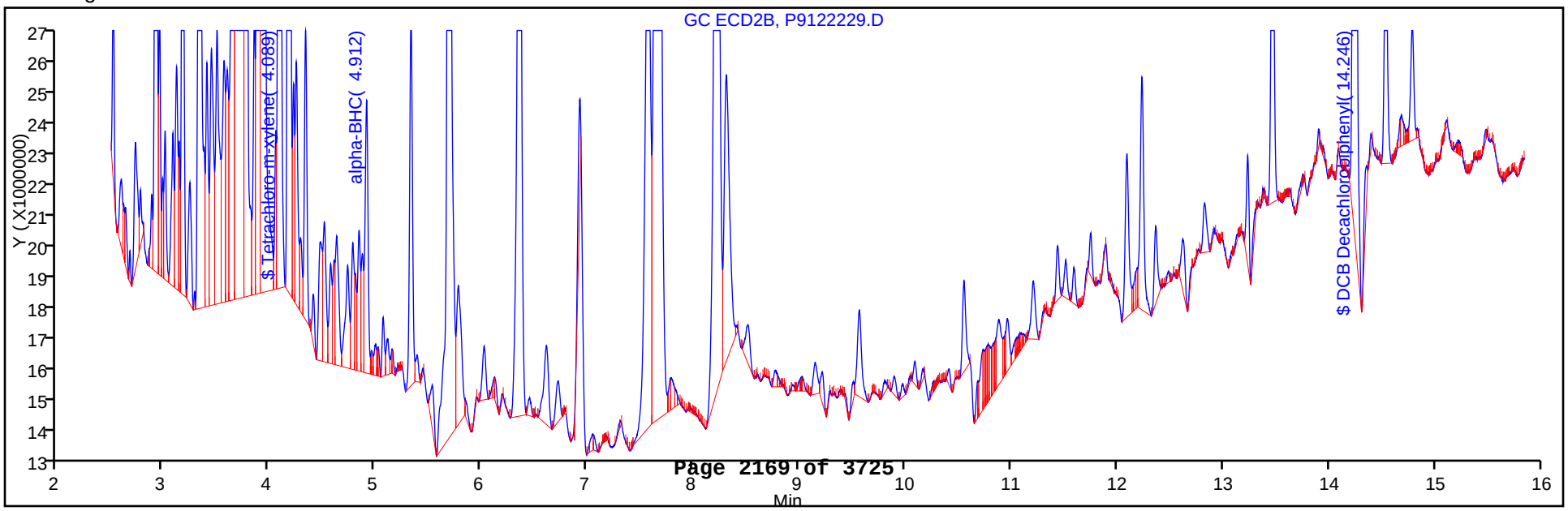
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122229.D

Injection Date:	22-Dec-2012 22:56:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69426/6-A

Matrix: Solid | Lab File ID: P9122229.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 12/22/2012 22:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	88		55-130
877-09-8	Tetrachloro-m-xylene	107		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122229.D
Lims ID: MB 240-69426/6-A Client ID:
Inject. Date: 22-Dec-2012 22:56:20 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016122-029
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 69893 Lims Sample ID: 29
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 03-Jan-2013 07:24:17 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK036

First Level Reviewer: vandorenc Date: 03-Jan-2013 06:49:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.499	3.499	0.000	56241704	0.0207			
2	100	4.089	4.089	0.000	187218221	0.0213			
						RPD = 3.09			
24 Hexachlorobenzene									
1	100		3.968						
2	100		4.696						
12 Diallate									
1	100		4.059						
1	2		4.221						
2	100		4.659						
2	2		4.806						
5 alpha-BHC									
1	100	4.188	4.182	0.006	3519406	0.000924			
2	100	4.912	4.913	-0.001	16977423	0.001288			
						RPD = 32.97			
20 gamma-BHC (Lindane)									
1	100		4.557						
2	100		5.467						
7 beta-BHC									
1	100		4.689						
2	100		5.643						
11 delta-BHC									
1	100		4.902						
2	100		6.192						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.070						
1	2		5.925						
1	3		7.168						
1	4		7.513						
2	100		5.996						
2	2		7.491						
2	3		8.918						
2	4		9.231						
22 Heptachlor									
1	100		5.183						
2	100		6.289						
4 Aldrin									
1	100		5.633						
2	100		7.005						
25 Isodrin									
1	100		6.218						
2	100		8.001						
23 Heptachlor epoxide									
1	100		6.860						
2	100		8.492						
21 gamma-Chlordane									
1	100		7.166						
2	100		8.919						
6 alpha-Chlordane									
1	100		7.516						
2	100		9.232						
14 Endosulfan I									
1	100		7.794						
2	100		9.294						
2 4,4'-DDE									
1	100		7.899						
2	100		9.694						
13 Dieldrin									
1	100		8.361						
2	100		9.829						
17 Endrin									
1	100		8.818						
2	100		10.351						
26 Kepone									
1	100		8.915						
2	100		10.536						
1 4,4'-DDD									
1	100		9.185						
2	100		10.724						
15 Endosulfan II									
1	100		9.269						
2	100		10.724						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
9 Chlorobenzilate									
1	100		9.286						
2	100		10.541						
30 Toxaphene									1
1	100		9.498						
1	2		9.949						
1	3		10.015						
1	4		10.599						
1	5		11.165						
2	100		10.886						
2	2		11.435						
2	3		11.836						
2	4		12.064						
2	5		12.451						
3 4,4'-DDT									
1	100		9.706						
2	100		11.209						
18 Endrin aldehyde									
1	100		10.065						
2	100		11.297						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.659						
2	100		12.288						
16 Endosulfan sulfate									
1	100		10.789						
2	100		11.730						
19 Endrin ketone									
1	100		11.188						
2	100		12.467						
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.802	-0.001	53318952	0.0209			
2	100	14.246	14.247	-0.001	119570766	0.0176			
						RPD = 17.07			

QC Flag Legend

Processing Flags
1 - Missing Peaks

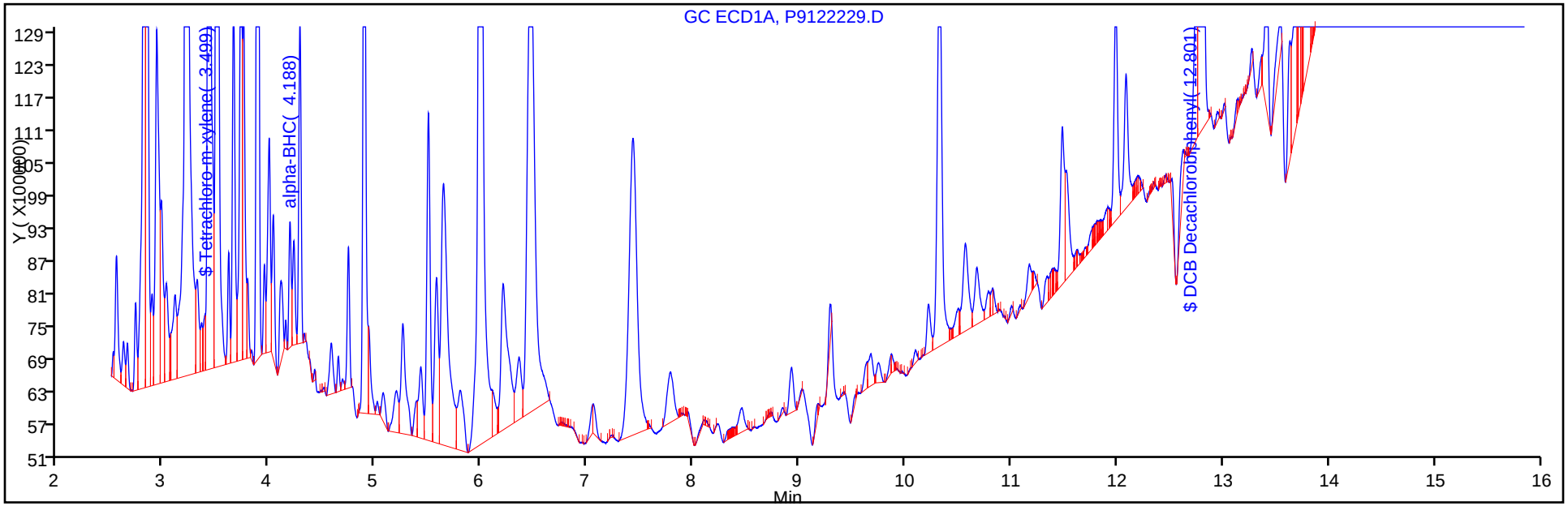
Report Date: 03-Jan-2013 07:24:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

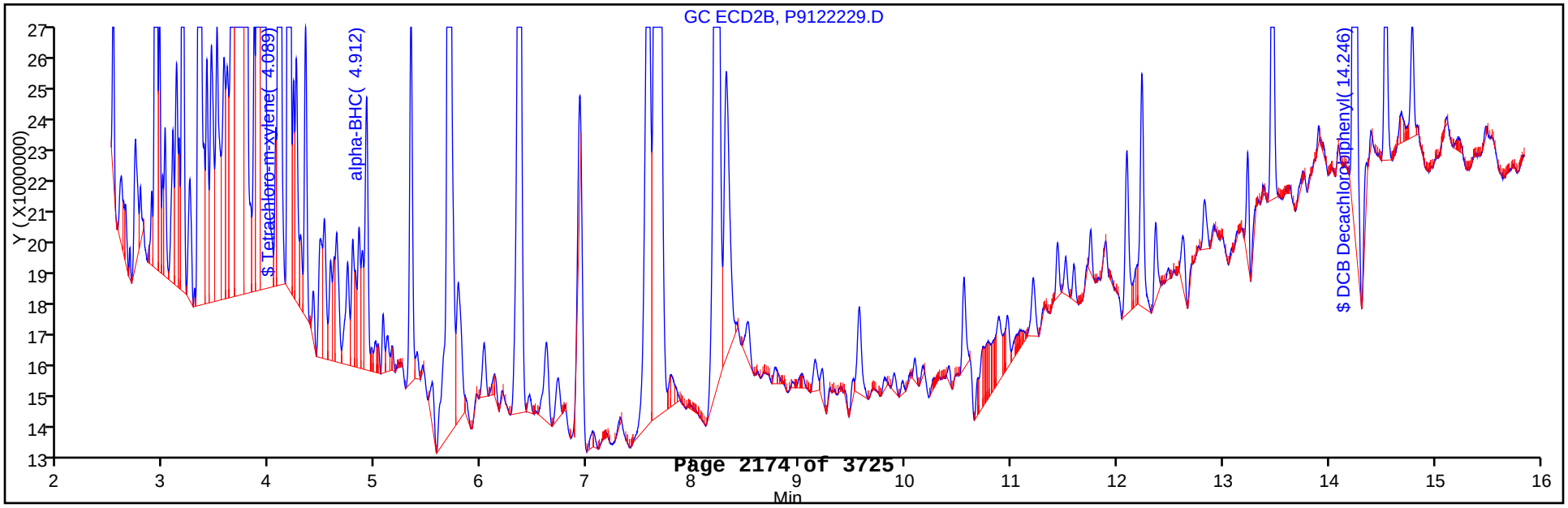
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122229.D

Injection Date:	22-Dec-2012 22:56:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69426/7-A

Matrix: Solid | Lab File ID: P9122220.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 12/22/2012 19:15

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	28.6		2.0	0.67	0.62
72-55-9	4,4'-DDE	28.0		1.7	0.67	0.39
50-29-3	4,4'-DDT	28.4		2.0	0.67	0.63
309-00-2	Aldrin	27.8		4.0	1.3	1.2
319-84-6	alpha-BHC	28.7		2.5	1.3	0.73
5103-71-9	alpha-Chlordane	26.8		3.0	1.3	0.94
319-85-7	beta-BHC	26.2		3.5	1.3	1.1
319-86-8	delta-BHC	29.2		4.0	1.3	1.2
60-57-1	Dieldrin	29.5		1.7	0.67	0.47
959-98-8	Endosulfan I	26.2		1.7	0.67	0.52
33213-65-9	Endosulfan II	25.0		2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	28.9		3.0	1.3	0.87
72-20-8	Endrin	26.4		1.7	0.67	0.50
7421-93-4	Endrin aldehyde	30.1		3.0	1.3	1.0
53494-70-5	Endrin ketone	23.8		2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	26.1		2.5	1.3	0.74
5103-74-2	gamma-Chlordane	27.3		1.7	0.67	0.42
76-44-8	Heptachlor	25.9		3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	30.3		2.5	1.3	0.80
72-43-5	Methoxychlor	27.8		5.0	3.3	1.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	83		55-130
877-09-8	Tetrachloro-m-xylene	82		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122220.D
Lims ID: LCS 240-69426/7-A
Client ID:
Inject. Date: 22-Dec-2012 19:15:43
Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016122-020
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 20
Lims Batch ID: 69893
Lims Sample ID: 20
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 03-Jan-2013 07:24:17
Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK036

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.499	0.002	44687275	0.0164			
2	100	4.091	4.089	0.002	153954779	0.0175			
						RPD = 6.52			
5 alpha-BHC									
1	100	4.182	4.182	0.000	328093842	0.0861			
2	100	4.915	4.913	0.002	1197679978	0.0909			
						RPD = 5.39			
20 gamma-BHC (Lindane)									
1	100	4.558	4.557	0.001	244019785	0.0783			
2	100	5.469	5.467	0.002	845589198	0.0811			
						RPD = 3.44			
7 beta-BHC									
1	100	4.689	4.689	0.000	106457745	0.0785			
2	100	5.646	5.643	0.003	367153517	0.0842			
						RPD = 7.01			
11 delta-BHC									
1	100	4.902	4.902	0.000	295837483	0.0876			
2	100	6.194	6.192	0.002	1047221173	0.0965			
						RPD = 9.61			
22 Heptachlor									
1	100	5.183	5.183	0.000	213568036	0.0778			
2	100	6.292	6.289	0.003	670848404	0.0762			
						RPD = 2.13			
4 Aldrin									
1	100	5.634	5.633	0.001	296675631	0.0834			
2	100	7.008	7.005	0.003	892184425	0.0839			
						RPD = 0.56			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.861	6.860	0.001	247402725	0.0909			
2	100	8.492	8.492	0.000	755665143	0.0906			
						RPD = 0.38			
21 gamma-Chlordane									
1	100	7.166	7.166	0.000	251255256	0.0820			
2	100	8.921	8.919	0.002	728889491	0.0816			
						RPD = 0.51			
6 alpha-Chlordane									
1	100	7.517	7.516	0.001	254147243	0.0805			
2	100	9.233	9.232	0.001	789511849	0.0892			
						RPD = 10.31			
14 Endosulfan I									
1	100	7.794	7.794	0.000	201346641	0.0787			
2	100	9.293	9.294	-0.001	557008419	0.0781			
						RPD = 0.77			
2 4,4'-DDE									
1	100	7.897	7.899	-0.002	278235354	0.0841			
2	100	9.692	9.694	-0.002	785312015	0.0908			
						RPD = 7.65			
13 Dieldrin									
1	100	8.361	8.361	0.000	235158024	0.0886			
2	100	9.831	9.829	0.002	718273605	0.0906			
						RPD = 2.23			
17 Endrin									
1	100	8.819	8.818	0.001	193534035	0.0792			
2	100	10.352	10.351	0.001	578524452	0.0821			
						RPD = 3.63			
1 4,4'-DDD									
1	100	9.183	9.185	-0.002	161978006	0.0857			
2	100	10.723	10.724	-0.001	987532083	0.0797			
						RPD = 7.22			
15 Endosulfan II									
1	100	9.270	9.269	0.001	189642093	0.0751			
2	100	10.723	10.724	-0.001	987532083	0.0797			
						RPD = 6.03			
3 4,4'-DDT									
1	100	9.705	9.706	-0.001	159884495	0.0852			
2	100	11.209	11.209	0.000	428555448	0.0919			
						RPD = 7.55			
18 Endrin aldehyde									
1	100	10.064	10.065	-0.001	165870337	0.0902			
2	100	11.296	11.297	-0.001	471922140	0.0899			
						RPD = 0.39			
27 Methoxychlor									
1	100	10.654	10.659	-0.005	73155156	0.0833			
2	100	12.287	12.288	-0.001	196699430	0.0851			
						RPD = 2.15			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.787	10.789	-0.002	193771994	0.0866			
2	100	11.730	11.730	0.000	595419132	0.0937			
						RPD = 7.92			
19 Endrin ketone									
1	100	11.189	11.188	0.001	166902298	0.0713			
2	100	12.467	12.467	0.000	497512786	0.0796			
						RPD = 10.96			
$ 10 DCB Decachlorobiphenyl									
1	100	12.799	12.802	-0.003	42477227	0.0166			
2	100	14.245	14.247	-0.002	115606297	0.0170			
						RPD = 2.25			

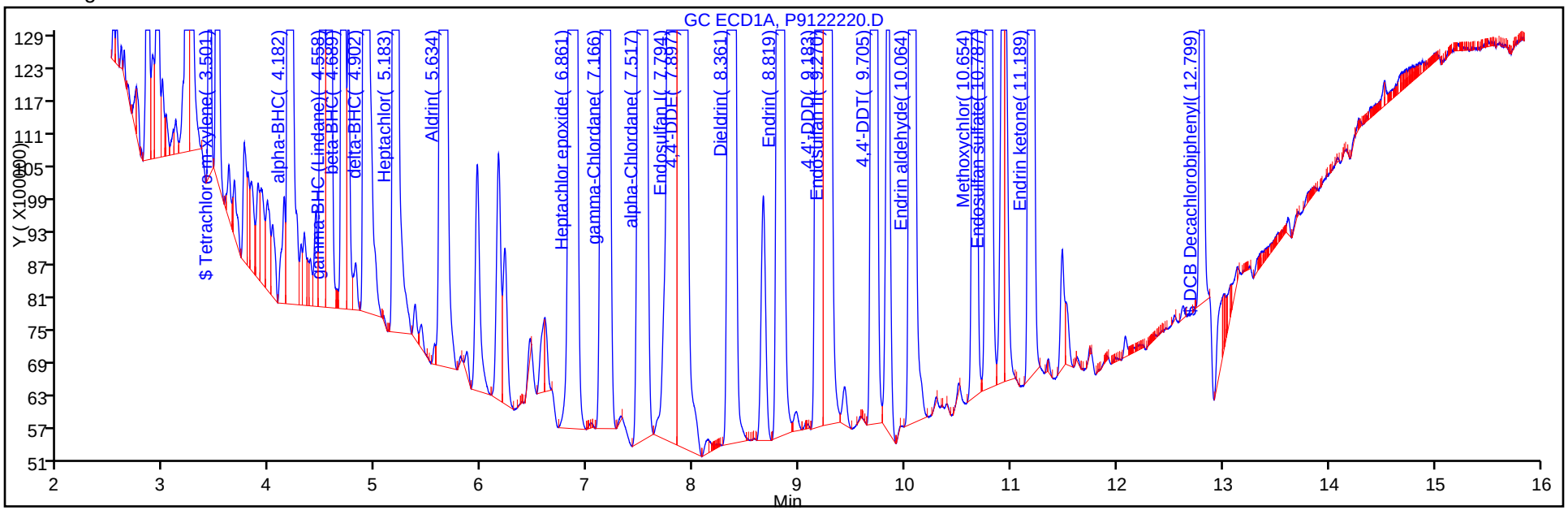
Report Date: 03-Jan-2013 07:24:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

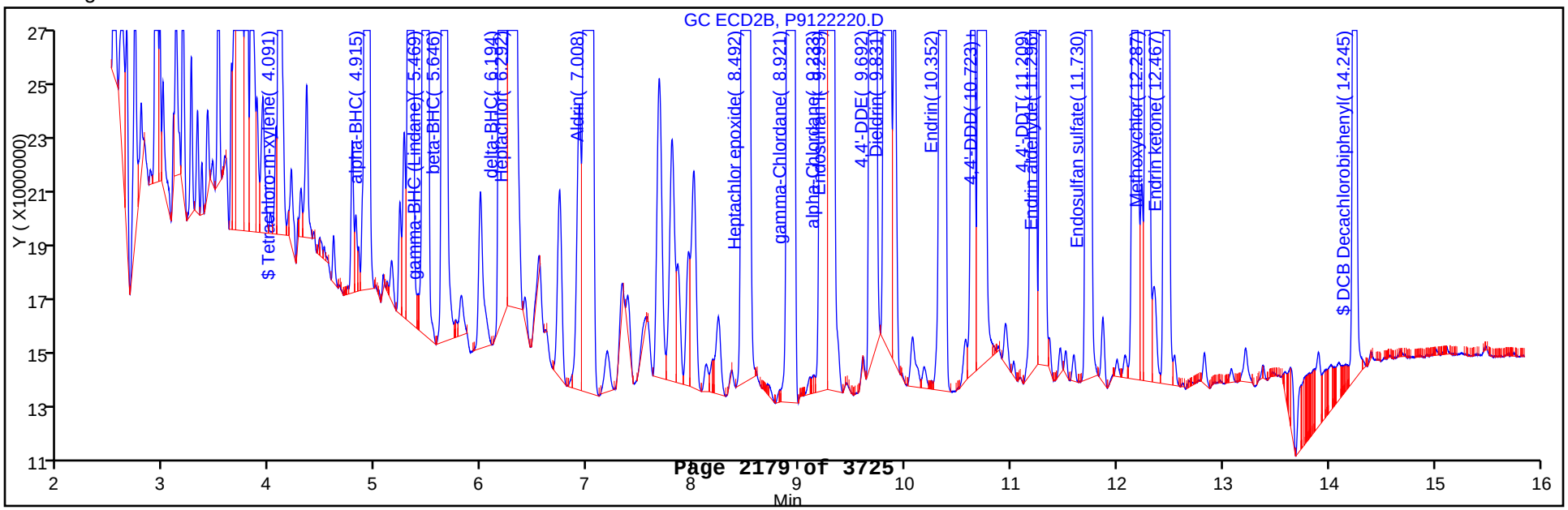
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122220.D

Injection Date:	22-Dec-2012 19:15:43	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	20
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69426/7-A

Matrix: Solid | Lab File ID: P9122220.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 12/22/2012 19:15

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	85		55-130
877-09-8	Tetrachloro-m-xylene	88		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122220.D
Lims ID: LCS 240-69426/7-A Client ID:
Inject. Date: 22-Dec-2012 19:15:43 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016122-020
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 69893 Lims Sample ID: 20
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 03-Jan-2013 07:24:17 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK036

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.501	3.499	0.002	44687275	0.0164			
2	100	4.091	4.089	0.002	153954779	0.0175			
						RPD = 6.52			
5 alpha-BHC									
1	100	4.182	4.182	0.000	328093842	0.0861			
2	100	4.915	4.913	0.002	1197679978	0.0909			
						RPD = 5.39			
20 gamma-BHC (Lindane)									
1	100	4.558	4.557	0.001	244019785	0.0783			
2	100	5.469	5.467	0.002	845589198	0.0811			
						RPD = 3.44			
7 beta-BHC									
1	100	4.689	4.689	0.000	106457745	0.0785			
2	100	5.646	5.643	0.003	367153517	0.0842			
						RPD = 7.01			
11 delta-BHC									
1	100	4.902	4.902	0.000	295837483	0.0876			
2	100	6.194	6.192	0.002	1047221173	0.0965			
						RPD = 9.61			
22 Heptachlor									
1	100	5.183	5.183	0.000	213568036	0.0778			
2	100	6.292	6.289	0.003	670848404	0.0762			
						RPD = 2.13			
4 Aldrin									
1	100	5.634	5.633	0.001	296675631	0.0834			
2	100	7.008	7.005	0.003	892184425	0.0839			
						RPD = 0.56			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.861	6.860	0.001	247402725	0.0909			
2	100	8.492	8.492	0.000	755665143	0.0906			
						RPD = 0.38			
21 gamma-Chlordane									
1	100	7.166	7.166	0.000	251255256	0.0820			
2	100	8.921	8.919	0.002	728889491	0.0816			
						RPD = 0.51			
6 alpha-Chlordane									
1	100	7.517	7.516	0.001	254147243	0.0805			
2	100	9.233	9.232	0.001	789511849	0.0892			
						RPD = 10.31			
14 Endosulfan I									
1	100	7.794	7.794	0.000	201346641	0.0787			
2	100	9.293	9.294	-0.001	557008419	0.0781			
						RPD = 0.77			
2 4,4'-DDE									
1	100	7.897	7.899	-0.002	278235354	0.0841			
2	100	9.692	9.694	-0.002	785312015	0.0908			
						RPD = 7.65			
13 Dieldrin									
1	100	8.361	8.361	0.000	235158024	0.0886			
2	100	9.831	9.829	0.002	718273605	0.0906			
						RPD = 2.23			
17 Endrin									
1	100	8.819	8.818	0.001	193534035	0.0792			
2	100	10.352	10.351	0.001	578524452	0.0821			
						RPD = 3.63			
1 4,4'-DDD									
1	100	9.183	9.185	-0.002	161978006	0.0857			
2	100	10.723	10.724	-0.001	987532083	0.0797			
						RPD = 7.22			
15 Endosulfan II									
1	100	9.270	9.269	0.001	189642093	0.0751			
2	100	10.723	10.724	-0.001	987532083	0.0797			
						RPD = 6.03			
3 4,4'-DDT									
1	100	9.705	9.706	-0.001	159884495	0.0852			
2	100	11.209	11.209	0.000	428555448	0.0919			
						RPD = 7.55			
18 Endrin aldehyde									
1	100	10.064	10.065	-0.001	165870337	0.0902			
2	100	11.296	11.297	-0.001	471922140	0.0899			
						RPD = 0.39			
27 Methoxychlor									
1	100	10.654	10.659	-0.005	73155156	0.0833			
2	100	12.287	12.288	-0.001	196699430	0.0851			
						RPD = 2.15			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.787	10.789	-0.002	193771994	0.0866			
2	100	11.730	11.730	0.000	595419132	0.0937			
						RPD = 7.92			
19 Endrin ketone									
1	100	11.189	11.188	0.001	166902298	0.0713			
2	100	12.467	12.467	0.000	497512786	0.0796			
						RPD = 10.96			
$ 10 DCB Decachlorobiphenyl									
1	100	12.799	12.802	-0.003	42477227	0.0166			
2	100	14.245	14.247	-0.002	115606297	0.0170			
						RPD = 2.25			

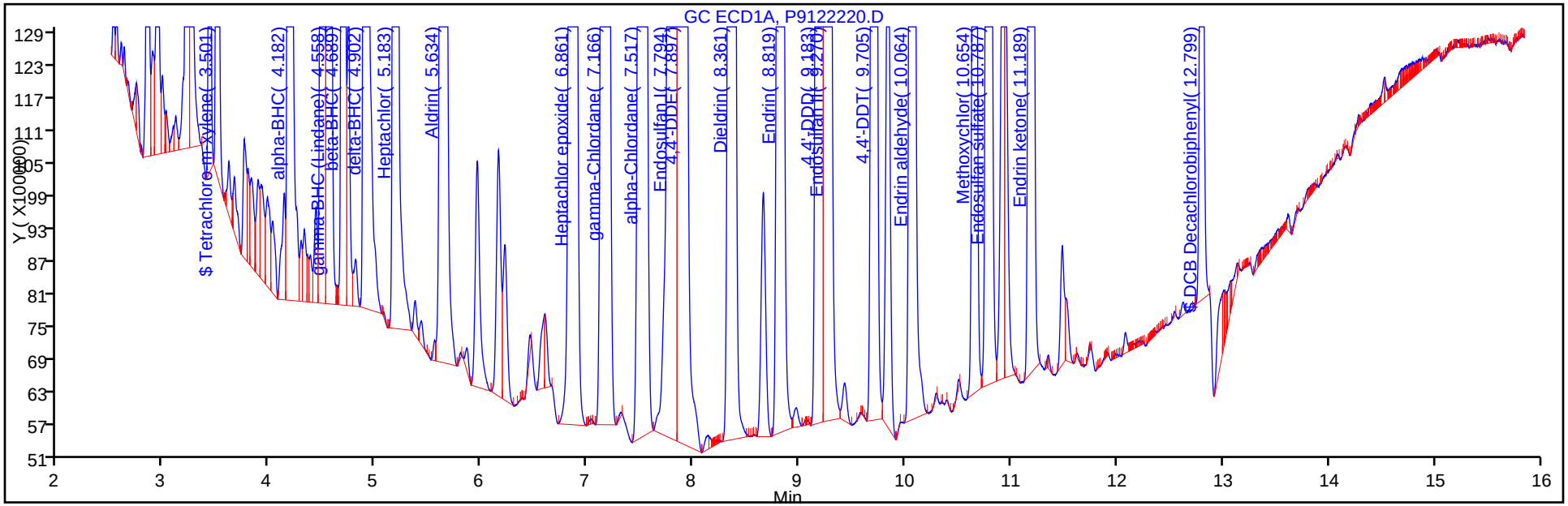
Report Date: 03-Jan-2013 07:24:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

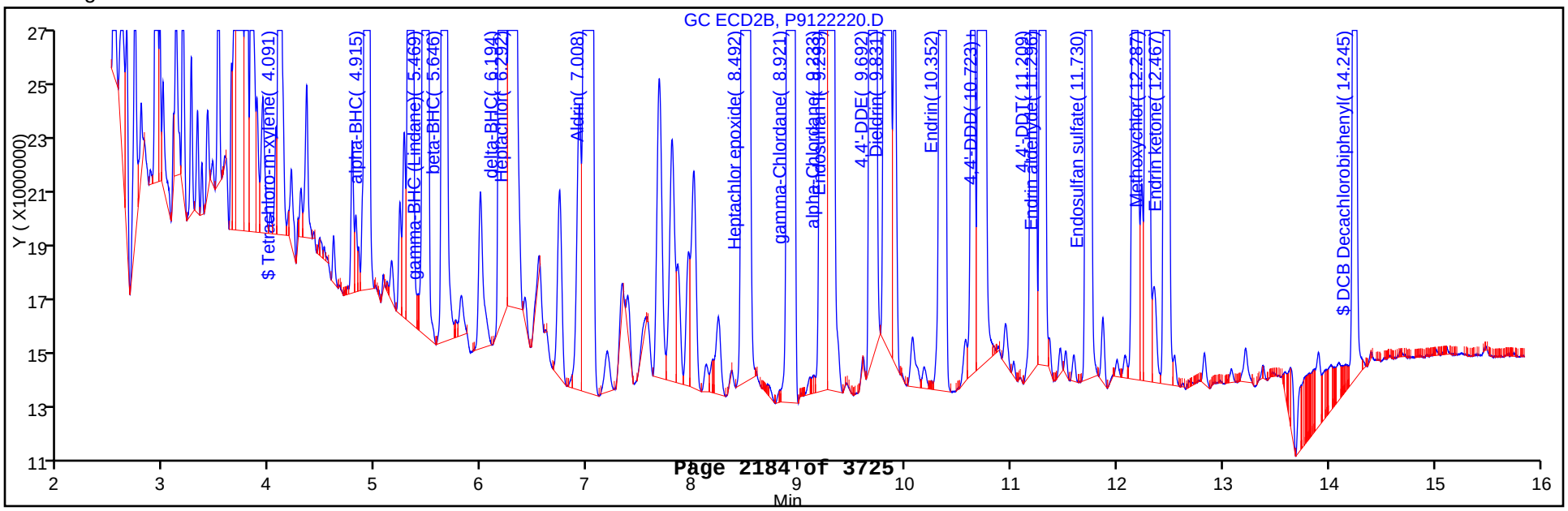
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122220.D

Injection Date:	22-Dec-2012 19:15:43	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	20
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69893/19

Matrix: Solid | Lab File ID: P9122219.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/22/2012 18:51

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00509	M	0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00499	J	0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00491	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00510		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00481	J	0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00516		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00527		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00464	J	0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00522		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00554		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00550	M	0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00532		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00548		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00555		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00548		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00505		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00514		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00561		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00544		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00507	J	0.010	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122219.D
Lims ID: MRL Client ID:
Inject. Date: 22-Dec-2012 18:51:23 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016122-019
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 69893 Lims Sample ID: 19
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 03-Jan-2013 07:24:17 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK036

First Level Reviewer: vandorenc Date: 31-Dec-2012 11:10:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.499						
2	100		4.089						
24 Hexachlorobenzene									
1	100		3.968						
2	100		4.696						
12 Diallate									1
1	100		4.059						
1	2		4.221						
2	100		4.659						
2	2		4.806						
5 alpha-BHC									
1	100	4.180	4.182	-0.002	18337821	0.004813			
2	100	4.914	4.913	0.001	60069139	0.004559			
						RPD = 5.44			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	15738099	0.005051			
2	100	5.469	5.467	0.002	51990727	0.004984			
						RPD = 1.34			
7 beta-BHC									
1	100	4.688	4.689	-0.001	7145253	0.005266			
2	100	5.645	5.643	0.002	24111595	0.005527			
						RPD = 4.83			
11 delta-BHC									
1	100	4.902	4.902	0.000	15672812	0.004643			
2	100	6.194	6.192	0.002	51367615	0.004732			
						RPD = 1.91			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.070						
1	2		5.925						
1	3		7.168						
1	4		7.513						
2	100		5.996						
2	2		7.491						
2	3		8.918						
2	4		9.231						
22 Heptachlor									
1	100	5.183	5.183	0.000	15385238	0.005607			
2	100	6.291	6.289	0.002	52598040	0.005974			
						RPD = 6.34			
4 Aldrin									
1	100	5.634	5.633	0.001	18138188	0.005101			
2	100	7.005	7.005	0.000	53000607	0.004985			
						RPD = 2.31			
25 Isodrin									
1	100		6.218						
2	100		8.001						
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	14812857	0.005443			
2	100	8.494	8.492	0.002	46495997	0.005573			
						RPD = 2.35			
21 gamma-Chlordane									
1	100	7.165	7.166	-0.001	15738848	0.005138			
2	100	8.919	8.919	0.000	47121619	0.005276			
						RPD = 2.65			
6 alpha-Chlordane									
1	100	7.515	7.516	-0.001	16299940	0.005162			
2	100	9.233	9.232	0.001	47130215	0.005326			
						RPD = 3.14			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	14164638	0.005536			
2	100	9.294	9.294	0.000	41444151	0.005810			
						RPD = 4.83			
2 4,4'-DDE									
1	100	7.900	7.899	0.001	16488686	0.004987			
2	100	9.695	9.694	0.001	43944529	0.005083			
						RPD = 1.92			
13 Dieldrin									
1	100	8.359	8.361	-0.002	13866818	0.005223			
2	100	9.830	9.829	0.001	43189060	0.005446			
						RPD = 4.18			
17 Endrin									
1	100	8.818	8.818	0.000	13388801	0.005479			
2	100	10.352	10.351	0.001	39163246	0.005560			
						RPD = 1.46			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.915						
2	100		10.536						
1 4,4'-DDD									M
1	100	9.187	9.185	0.002	9617628	0.005088			M
2	100	10.726	10.724	0.002	65540249	0.005291			
						RPD = 3.91			
15 Endosulfan II									M
1	100	9.269	9.269	0.000	13893378	0.005499			M
2	100	10.726	10.724	0.002	65540249	0.005291			
						RPD = 3.85			
9 Chlorobenzilate									
1	100		9.286						
2	100		10.541						
30 Toxaphene									1
1	100		9.498						
1	2		9.949						
1	3		10.015						
1	4		10.599						
1	5		11.165						
2	100		10.886						
2	2		11.435						
2	3		11.836						
2	4		12.064						
2	5		12.451						
3 4,4'-DDT									
1	100	9.708	9.706	0.002	9217621	0.004911			
2	100	11.210	11.209	0.001	23021595	0.004934			
						RPD = 0.48			
18 Endrin aldehyde									
1	100	10.067	10.065	0.002	10206839	0.005551			
2	100	11.298	11.297	0.001	30468267	0.005801			
						RPD = 4.41			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.661	10.659	0.002	4454919	0.005075			
2	100	12.290	12.288	0.002	12920128	0.005592			
						RPD = 9.71			
16 Endosulfan sulfate									
1	100	10.789	10.789	0.000	11899507	0.005316			
2	100	11.731	11.730	0.001	33954100	0.005344			
						RPD = 0.51			
19 Endrin ketone									
1	100	11.189	11.188	0.001	12823399	0.005477			
2	100	12.468	12.467	0.001	34794005	0.005564			
						RPD = 1.57			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.802						
2	100		14.247						

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

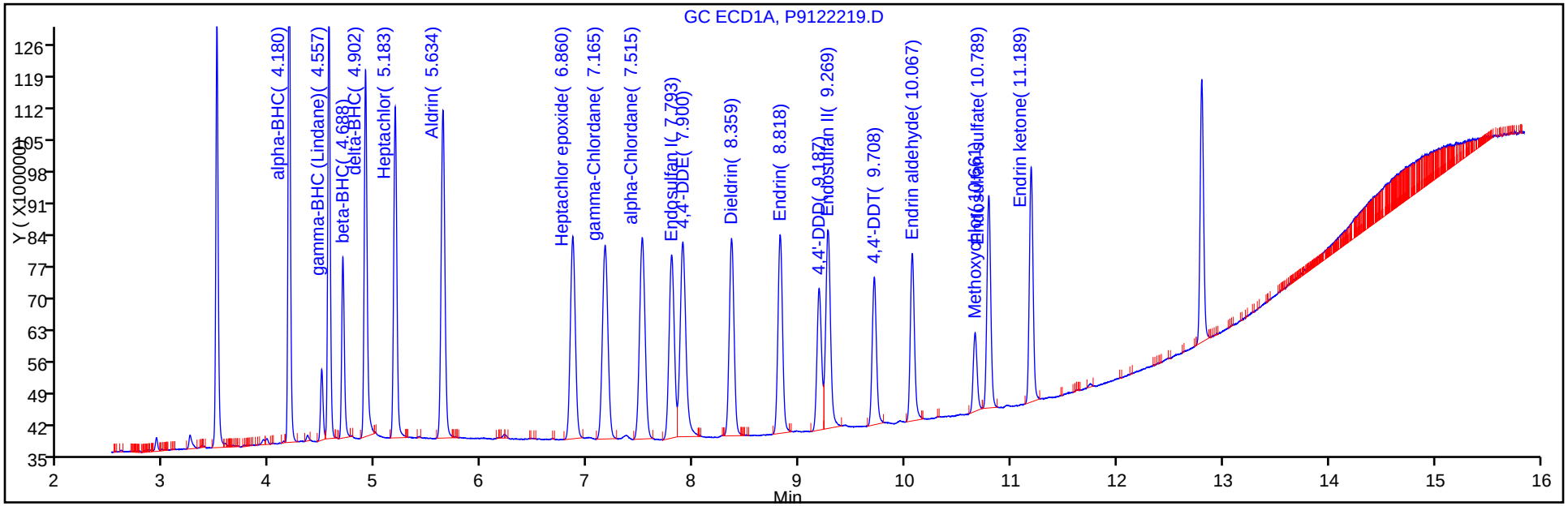
Report Date: 03-Jan-2013 07:56:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

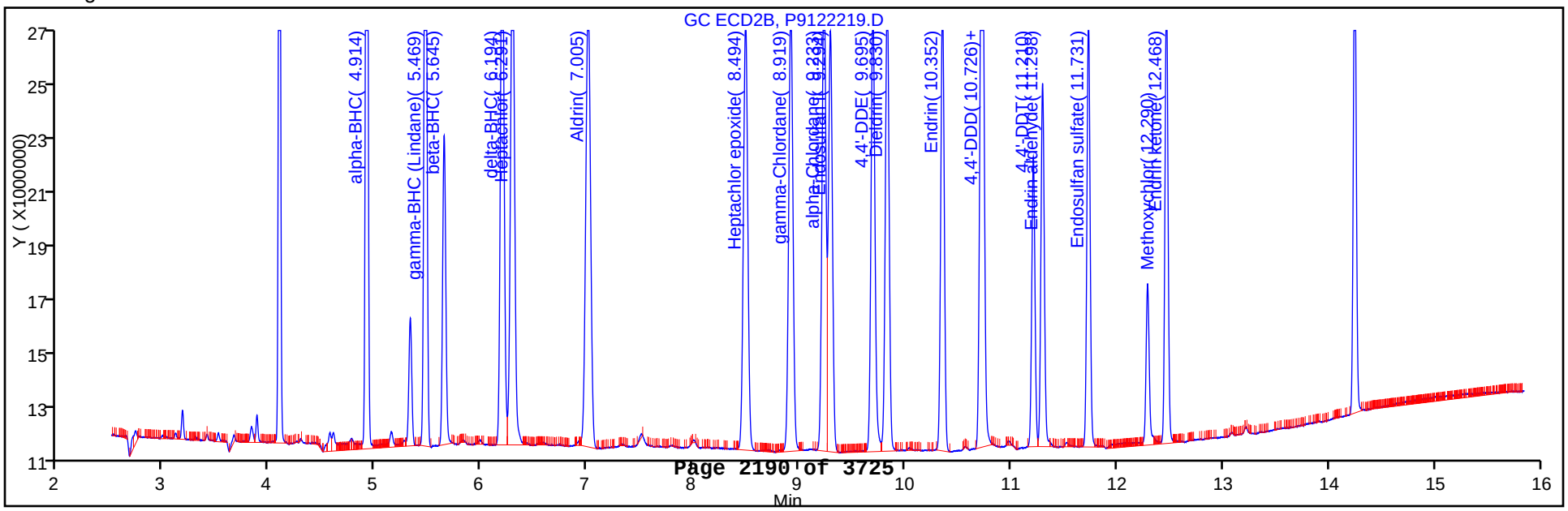
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122219.D

Injection Date:	22-Dec-2012 18:51:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	19
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

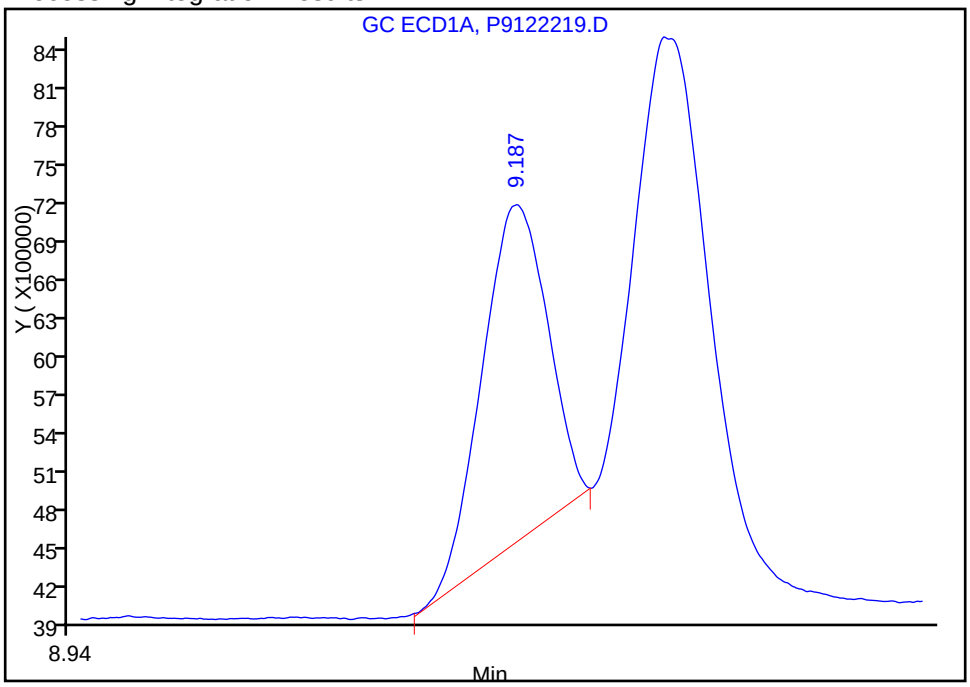
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122219.D		
Injection Date:	22-Dec-2012 18:51:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	19
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

1 4,4'-DDD, Signal: 1, Type: quant, RT: 9.18, Det: GC ECD1A

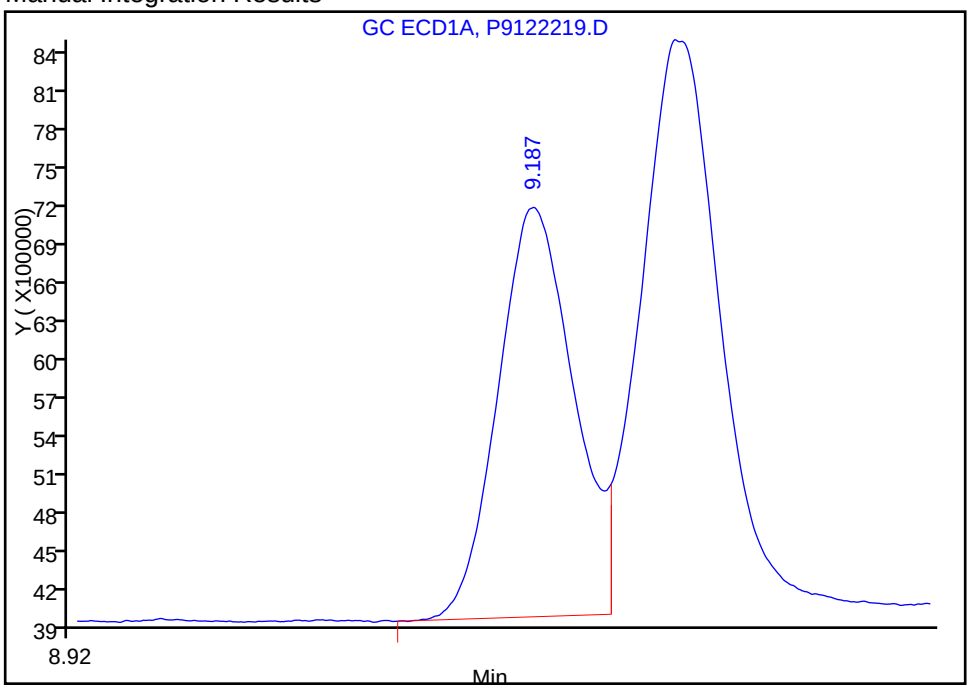
Processing Integration Results

RT: 9.19
Response: 6574150
Amount: 0.003478



Manual Integration Results

RT: 9.19
Response: 9617628
Amount: 0.005088



Reviewer: vandorenc, 31-Dec-2012 11:13:04
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

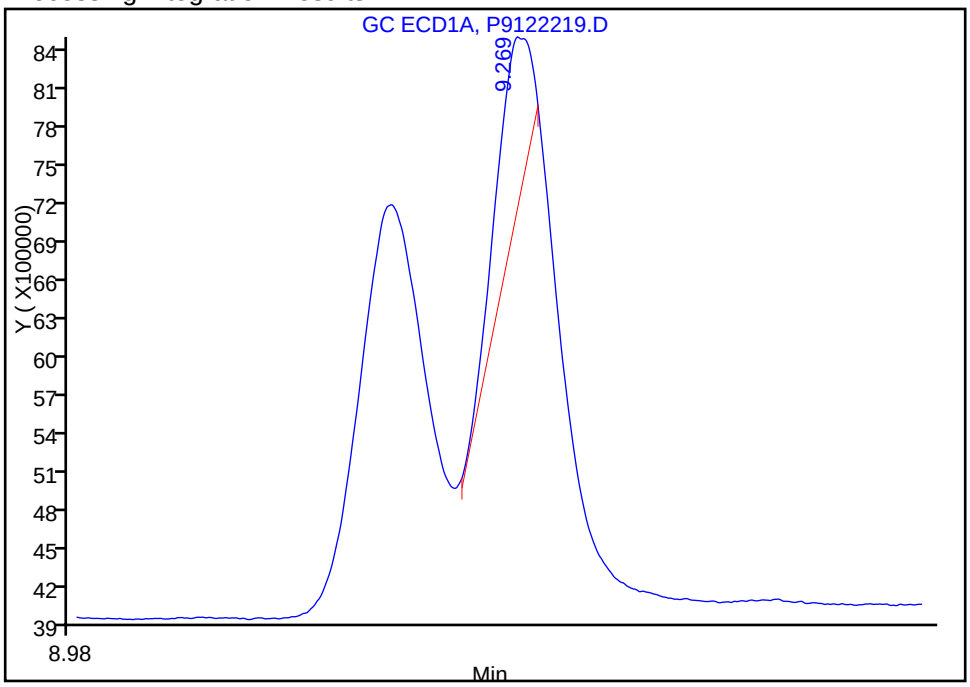
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122219.D		
Injection Date:	22-Dec-2012 18:51:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	19
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

15 Endosulfan II, Signal: 1, Type: quant, RT: 9.27, Det: GC ECD1A

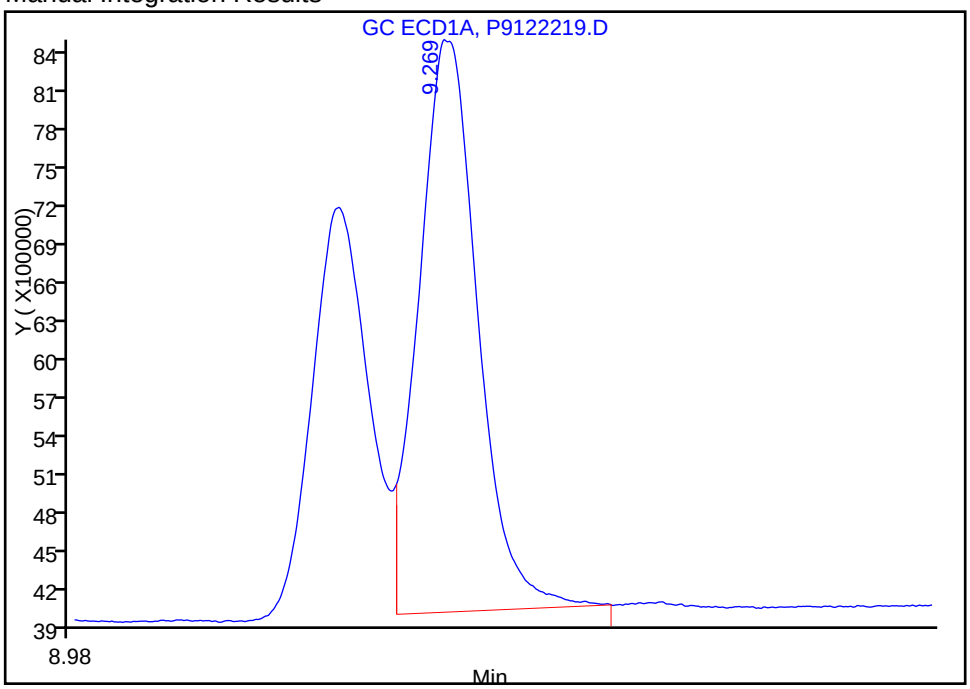
Processing Integration Results

RT: 9.27
Response: 2110892
Amount: 0.000835



Manual Integration Results

RT: 9.27
Response: 13893378
Amount: 0.005499



Reviewer: vandorenc, 31-Dec-2012 11:13:04
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69893/19

Matrix: Solid | Lab File ID: P9122219.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/22/2012 18:51

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00529*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00508*		*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00493*	*J*	*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00498*	*J*	*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00456*	*J*	*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00533*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00553*		*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00473*	*J*	*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00545*		*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00581*		*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00529*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00534*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00556*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00580*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00556*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00498*	*J*	*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00528*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00597*		*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00557*		*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00559*	*J*	*0.010*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122219.D
Lims ID: MRL Client ID:
Inject. Date: 22-Dec-2012 18:51:23 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016122-019
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 69893 Lims Sample ID: 19
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 03-Jan-2013 07:24:17 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK036

First Level Reviewer: vandorenc Date: 31-Dec-2012 11:10:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.499						
2	100		4.089						
24 Hexachlorobenzene									
1	100		3.968						
2	100		4.696						
12 Diallate									1
1	100		4.059						
1	2		4.221						
2	100		4.659						
2	2		4.806						
5 alpha-BHC									
1	100	4.180	4.182	-0.002	18337821	0.004813			
2	100	4.914	4.913	0.001	60069139	0.004559			
						RPD = 5.44			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	15738099	0.005051			
2	100	5.469	5.467	0.002	51990727	0.004984			
						RPD = 1.34			
7 beta-BHC									
1	100	4.688	4.689	-0.001	7145253	0.005266			
2	100	5.645	5.643	0.002	24111595	0.005527			
						RPD = 4.83			
11 delta-BHC									
1	100	4.902	4.902	0.000	15672812	0.004643			
2	100	6.194	6.192	0.002	51367615	0.004732			
						RPD = 1.91			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.070						
1	2		5.925						
1	3		7.168						
1	4		7.513						
2	100		5.996						
2	2		7.491						
2	3		8.918						
2	4		9.231						
22 Heptachlor									
1	100	5.183	5.183	0.000	15385238	0.005607			
2	100	6.291	6.289	0.002	52598040	0.005974			
						RPD = 6.34			
4 Aldrin									
1	100	5.634	5.633	0.001	18138188	0.005101			
2	100	7.005	7.005	0.000	53000607	0.004985			
						RPD = 2.31			
25 Isodrin									
1	100		6.218						
2	100		8.001						
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	14812857	0.005443			
2	100	8.494	8.492	0.002	46495997	0.005573			
						RPD = 2.35			
21 gamma-Chlordane									
1	100	7.165	7.166	-0.001	15738848	0.005138			
2	100	8.919	8.919	0.000	47121619	0.005276			
						RPD = 2.65			
6 alpha-Chlordane									
1	100	7.515	7.516	-0.001	16299940	0.005162			
2	100	9.233	9.232	0.001	47130215	0.005326			
						RPD = 3.14			
14 Endosulfan I									
1	100	7.793	7.794	-0.001	14164638	0.005536			
2	100	9.294	9.294	0.000	41444151	0.005810			
						RPD = 4.83			
2 4,4'-DDE									
1	100	7.900	7.899	0.001	16488686	0.004987			
2	100	9.695	9.694	0.001	43944529	0.005083			
						RPD = 1.92			
13 Dieldrin									
1	100	8.359	8.361	-0.002	13866818	0.005223			
2	100	9.830	9.829	0.001	43189060	0.005446			
						RPD = 4.18			
17 Endrin									
1	100	8.818	8.818	0.000	13388801	0.005479			
2	100	10.352	10.351	0.001	39163246	0.005560			
						RPD = 1.46			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.915						
2	100		10.536						
1 4,4'-DDD									M
1	100	9.187	9.185	0.002	9617628	0.005088			M
2	100	10.726	10.724	0.002	65540249	0.005291			
						RPD = 3.91			
15 Endosulfan II									M
1	100	9.269	9.269	0.000	13893378	0.005499			M
2	100	10.726	10.724	0.002	65540249	0.005291			
						RPD = 3.85			
9 Chlorobenzilate									
1	100		9.286						
2	100		10.541						
30 Toxaphene									1
1	100		9.498						
1	2		9.949						
1	3		10.015						
1	4		10.599						
1	5		11.165						
2	100		10.886						
2	2		11.435						
2	3		11.836						
2	4		12.064						
2	5		12.451						
3 4,4'-DDT									
1	100	9.708	9.706	0.002	9217621	0.004911			
2	100	11.210	11.209	0.001	23021595	0.004934			
						RPD = 0.48			
18 Endrin aldehyde									
1	100	10.067	10.065	0.002	10206839	0.005551			
2	100	11.298	11.297	0.001	30468267	0.005801			
						RPD = 4.41			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.661	10.659	0.002	4454919	0.005075			
2	100	12.290	12.288	0.002	12920128	0.005592			
						RPD = 9.71			
16 Endosulfan sulfate									
1	100	10.789	10.789	0.000	11899507	0.005316			
2	100	11.731	11.730	0.001	33954100	0.005344			
						RPD = 0.51			
19 Endrin ketone									
1	100	11.189	11.188	0.001	12823399	0.005477			
2	100	12.468	12.467	0.001	34794005	0.005564			
						RPD = 1.57			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.802						
2	100		14.247						

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

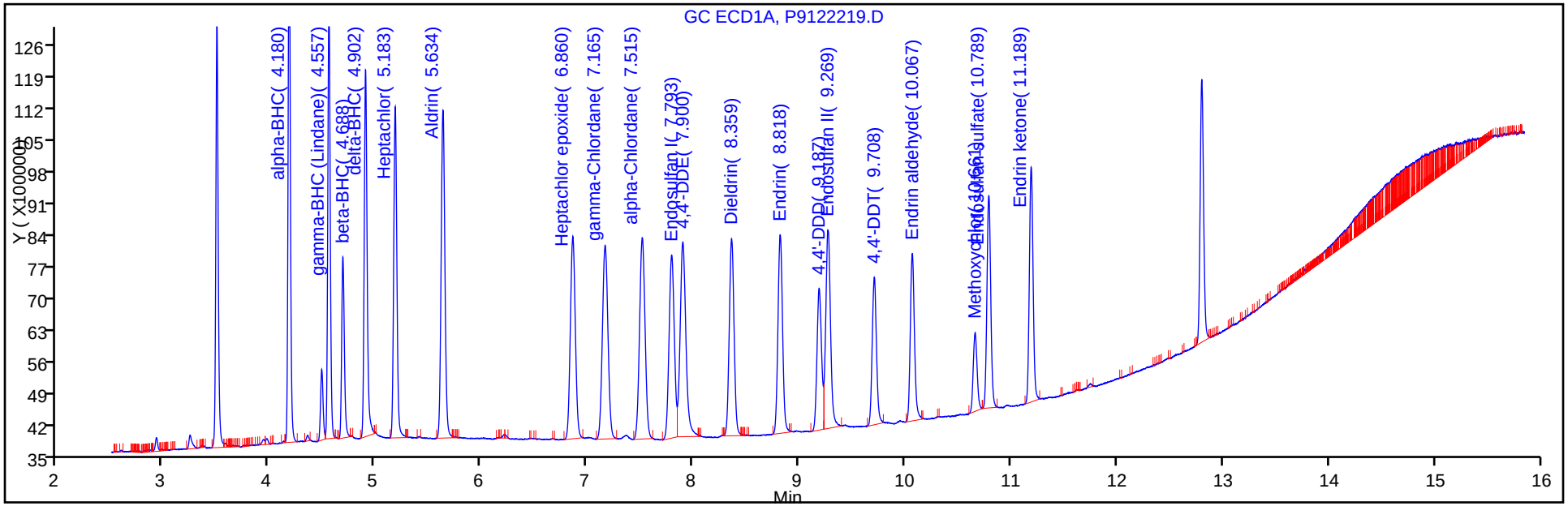
Report Date: 03-Jan-2013 07:56:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

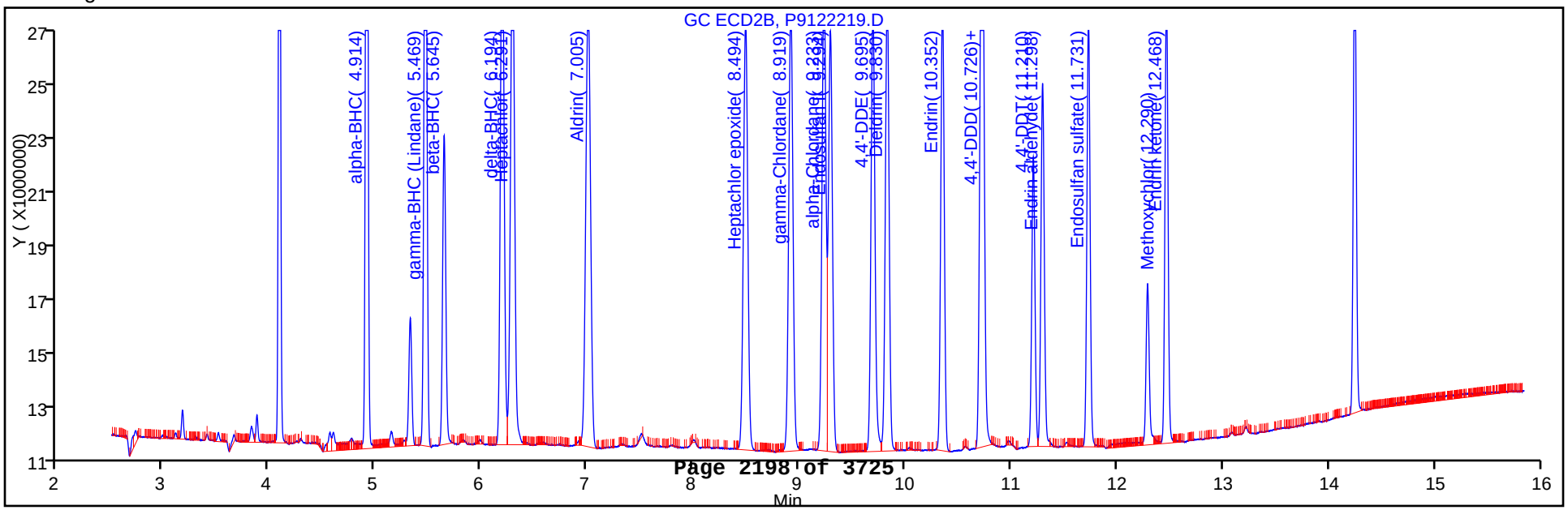
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122219.D

Injection Date:	22-Dec-2012 18:51:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	19
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69893/43

Matrix: Solid | Lab File ID: P9122243.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/23/2012 04:37

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00638	M	0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00624		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00586		0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00651		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00636		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00672	^	0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00711	^	0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00641		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00635		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00665	^	0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00643	M	0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00662	^	0.0050	0.0010	0.0011
72-20-8	Endrin	0.00625		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00619		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00632		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00668	^	0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00671	^	0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00611		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00683	^	0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00639	J	0.010	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122243.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	23-Dec-2012 04:37:59	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016122-043		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	43
Lims Batch ID:	69893	Lims Sample ID:	43
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m		
Last Update:	03-Jan-2013 07:24:17	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK036		
First Level Reviewer: vandorenc		Date:	31-Dec-2012 13:38:06

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.499						
2	100		4.089						
24 Hexachlorobenzene									
1	100		3.969						
2	100		4.697						
12 Diallate									
1	100		4.059						
1	2		4.221						
2	100		4.659						
2	2		4.806						
5 alpha-BHC									
1	100	4.180	4.181	-0.001	24234520	0.006361			
2	100	4.914	4.914	0.000	79073052	0.006001			
						RPD = 5.83			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	20814040	0.006681			
2	100	5.468	5.468	0.000	68571912	0.006574			
						RPD = 1.61			
7 beta-BHC									
1	100	4.687	4.688	-0.001	9646721	0.007110			
2	100	5.644	5.645	-0.001	31583630	0.007240			
						RPD = 1.81			
11 delta-BHC									
1	100	4.901	4.902	-0.001	21650662	0.006413			
2	100	6.192	6.192	0.000	69652658	0.006417			
						RPD = 0.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.069						
1	2		5.923						
1	3		7.164						
1	4		7.513						
2	100		5.996						
2	2		7.494						
2	3		8.920						
2	4		9.232						
22 Heptachlor									
1	100	5.182	5.183	-0.001	16777876	0.006115			
2	100	6.290	6.291	-0.001	57608436	0.006543			
						RPD = 6.77			
4 Aldrin									
1	100	5.632	5.633	-0.001	23130768	0.006505			
2	100	7.005	7.005	0.000	70328837	0.006614			
						RPD = 1.66			
25 Isodrin									
1	100		6.219						
2	100		8.002						
23 Heptachlor epoxide									
1	100	6.858	6.860	-0.002	18593186	0.006833			
2	100	8.493	8.491	0.002	58003792	0.006952			
						RPD = 1.73			
21 gamma-Chlordane									
1	100	7.165	7.165	0.000	20542214	0.006706			
2	100	8.919	8.919	0.000	60213439	0.006742			
						RPD = 0.53			
6 alpha-Chlordane									
1	100	7.515	7.516	-0.001	21236395	0.006725			
2	100	9.232	9.231	0.001	60824049	0.006874			
						RPD = 2.19			
14 Endosulfan I									
1	100	7.794	7.793	0.001	17012471	0.006649			
2	100	9.294	9.292	0.002	49249532	0.006904			
						RPD = 3.77			
2 4,4'-DDE									
1	100	7.899	7.897	0.002	20630409	0.006239			
2	100	9.693	9.693	0.000	54806740	0.006340			
						RPD = 1.60			
13 Dieldrin									
1	100	8.360	8.358	0.002	16854444	0.006348			
2	100	9.830	9.829	0.001	52096026	0.006569			
						RPD = 3.42			
17 Endrin									
1	100	8.820	8.819	0.001	15279415	0.006252			
2	100	10.350	10.351	-0.001	44410414	0.006304			
						RPD = 0.83			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.908						
2	100		10.534						
1 4,4'-DDD									M
1	100	9.184	9.183	0.001	12068385	0.006385			M
2	100	10.723	10.721	0.002	78309339	0.006322			
						RPD = 0.99			
15 Endosulfan II									M
1	100	9.269	9.269	0.000	16239878	0.006428			M
2	100	10.723	10.721	0.002	78309339	0.006322			
						RPD = 1.66			
9 Chlorobenzilate									
1	100		9.286						
2	100		10.541						
30 Toxaphene									1
1	100		9.498						
1	2		9.949						
1	3		10.015						
1	4		10.599						
1	5		11.165						
2	100		10.886						
2	2		11.435						
2	3		11.836						
2	4		12.064						
2	5		12.451						
3 4,4'-DDT									
1	100	9.706	9.705	0.001	11008364	0.005865			
2	100	11.210	11.208	0.002	29093916	0.006236			
						RPD = 6.14			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	11386801	0.006193			
2	100	11.296	11.296	0.000	33280894	0.006337			
						RPD = 2.30			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.656	10.656	0.000	5611224	0.006392			
2	100	12.289	12.287	0.002	15454694	0.006689			
						RPD = 4.55			
16 Endosulfan sulfate									
1	100	10.788	10.788	0.000	14824101	0.006623			
2	100	11.730	11.730	0.000	41813578	0.006580			
						RPD = 0.64			
19 Endrin ketone									
1	100	11.190	11.189	0.001	14801959	0.006322			
2	100	12.467	12.466	0.001	39462311	0.006310			
						RPD = 0.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.801						
2	100		14.246						

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

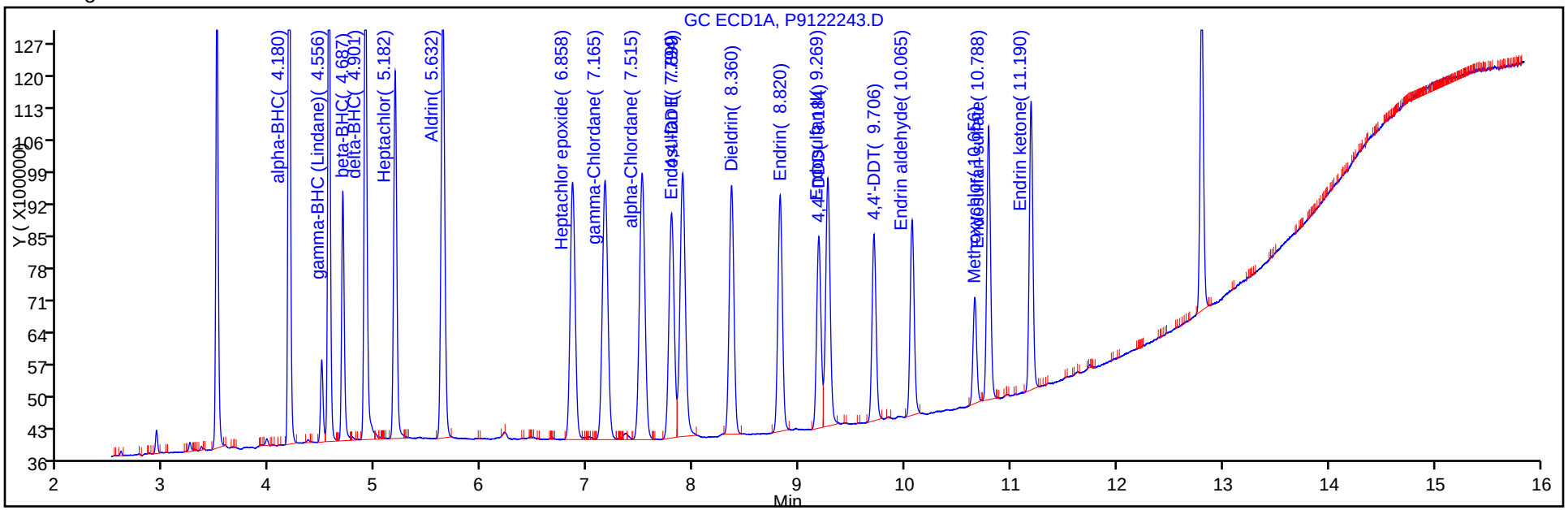
Report Date: 03-Jan-2013 08:03:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

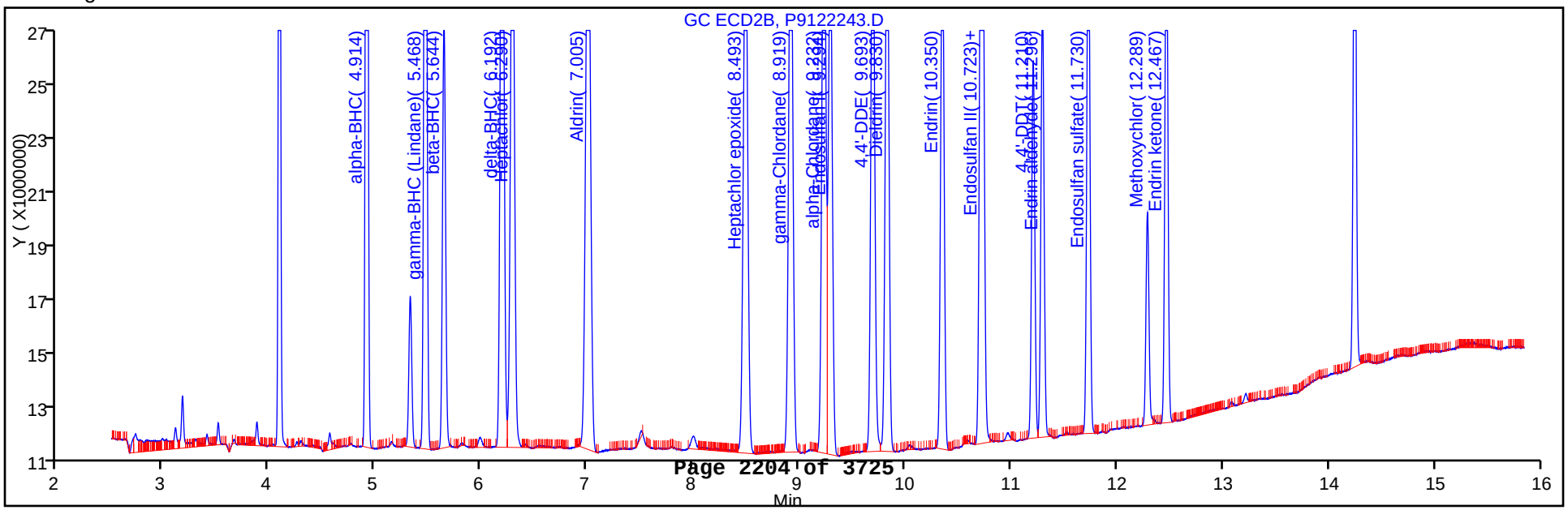
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122243.D

Injection Date:	23-Dec-2012 04:37:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	43
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

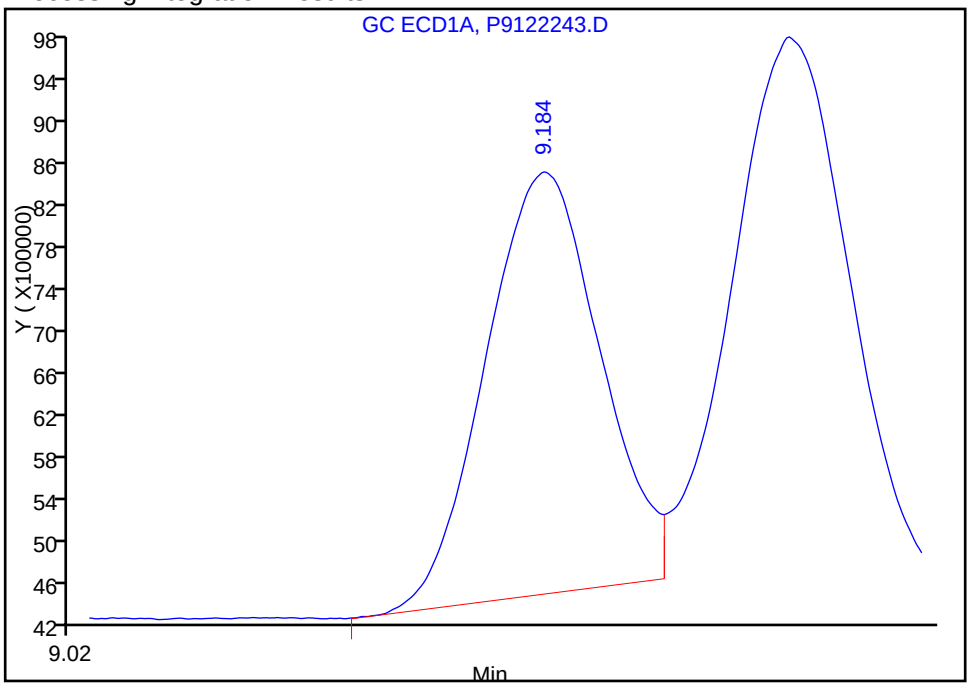
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122243.D		
Injection Date:	23-Dec-2012 04:37:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	43
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

1 4,4'-DDD, Signal: 1, Type: quant, RT: 9.18, Det: GC ECD1A

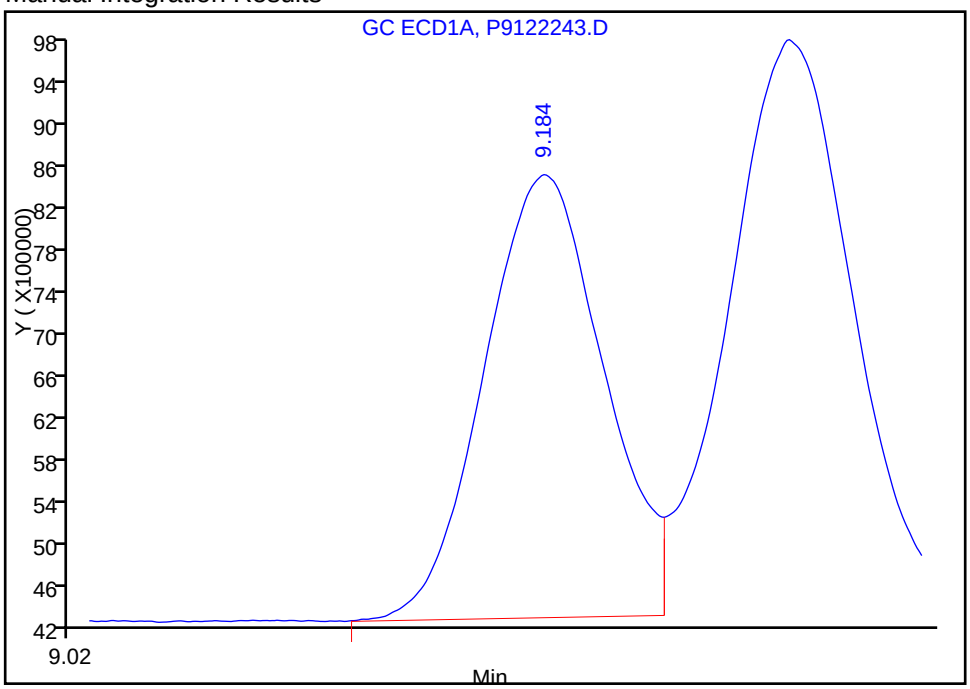
Processing Integration Results

RT: 9.18
Response: 11025207
Amount: 0.005833



Manual Integration Results

RT: 9.18
Response: 12068385
Amount: 0.006385



Reviewer: vandorenc, 31-Dec-2012 13:38:06
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

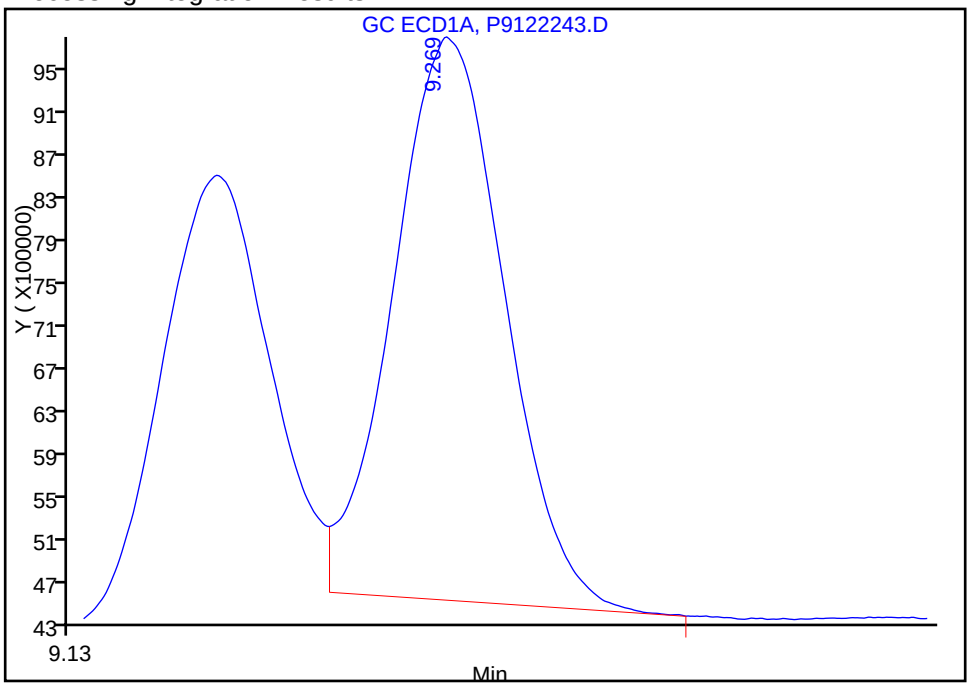
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122243.D		
Injection Date:	23-Dec-2012 04:37:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	43
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

15 Endosulfan II, Signal: 1, Type: quant, RT: 9.27, Det: GC ECD1A

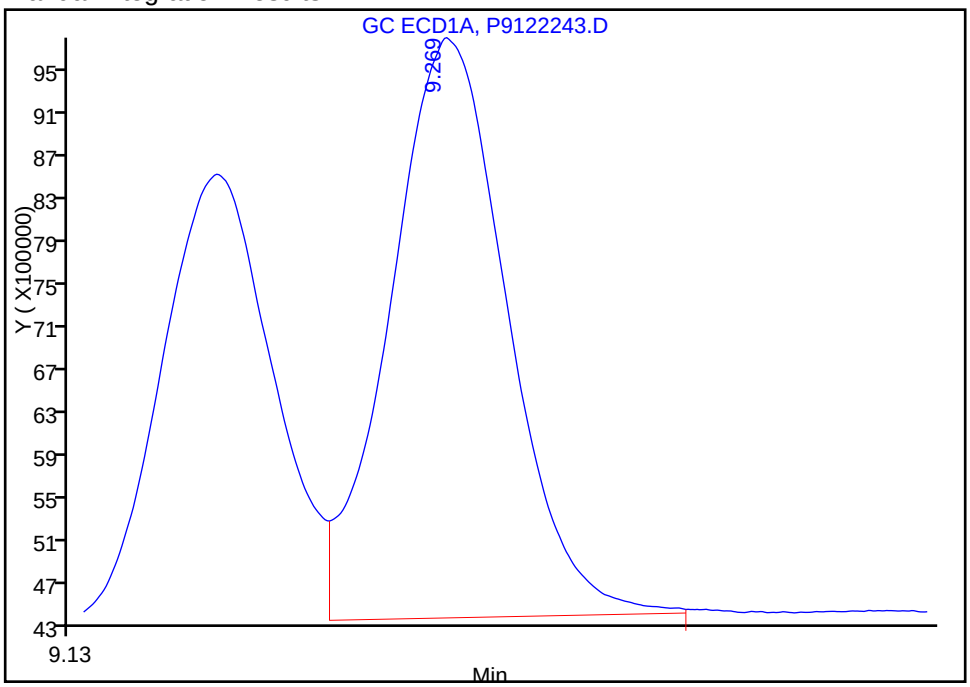
Processing Integration Results

RT: 9.27
Response: 14843967
Amount: 0.005875



Manual Integration Results

RT: 9.27
Response: 16239878
Amount: 0.006428



Reviewer: vandorenc, 31-Dec-2012 13:38:06
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69893/43

Matrix: Solid | Lab File ID: P9122243.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/23/2012 04:37

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00632*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00634*		*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00624*		*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00661*	^	*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00600*		*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00687*	^	*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00724*	^	*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00642*		*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00657*	^	*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00690*	^	*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00632*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00658*	^	*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00630*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00634*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00631*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00657*	^	*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00674*	^	*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00654*	^	*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00695*	^	*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00669*	*J ^*	*0.010*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122243.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	23-Dec-2012 04:37:59	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016122-043		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	43
Lims Batch ID:	69893	Lims Sample ID:	43
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m		
Last Update:	03-Jan-2013 07:24:17	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK036		
First Level Reviewer: vandorenc		Date:	31-Dec-2012 13:38:06

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.499						
2	100		4.089						
24 Hexachlorobenzene									
1	100		3.969						
2	100		4.697						
12 Diallate									
1	100		4.059						
1	2		4.221						
2	100		4.659						
2	2		4.806						
5 alpha-BHC									
1	100	4.180	4.181	-0.001	24234520	0.006361			
2	100	4.914	4.914	0.000	79073052	0.006001			
						RPD = 5.83			
20 gamma-BHC (Lindane)									
1	100	4.556	4.556	0.000	20814040	0.006681			
2	100	5.468	5.468	0.000	68571912	0.006574			
						RPD = 1.61			
7 beta-BHC									
1	100	4.687	4.688	-0.001	9646721	0.007110			
2	100	5.644	5.645	-0.001	31583630	0.007240			
						RPD = 1.81			
11 delta-BHC									
1	100	4.901	4.902	-0.001	21650662	0.006413			
2	100	6.192	6.192	0.000	69652658	0.006417			
						RPD = 0.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.069						
1	2		5.923						
1	3		7.164						
1	4		7.513						
2	100		5.996						
2	2		7.494						
2	3		8.920						
2	4		9.232						
22 Heptachlor									
1	100	5.182	5.183	-0.001	16777876	0.006115			
2	100	6.290	6.291	-0.001	57608436	0.006543			
						RPD = 6.77			
4 Aldrin									
1	100	5.632	5.633	-0.001	23130768	0.006505			
2	100	7.005	7.005	0.000	70328837	0.006614			
						RPD = 1.66			
25 Isodrin									
1	100		6.219						
2	100		8.002						
23 Heptachlor epoxide									
1	100	6.858	6.860	-0.002	18593186	0.006833			
2	100	8.493	8.491	0.002	58003792	0.006952			
						RPD = 1.73			
21 gamma-Chlordane									
1	100	7.165	7.165	0.000	20542214	0.006706			
2	100	8.919	8.919	0.000	60213439	0.006742			
						RPD = 0.53			
6 alpha-Chlordane									
1	100	7.515	7.516	-0.001	21236395	0.006725			
2	100	9.232	9.231	0.001	60824049	0.006874			
						RPD = 2.19			
14 Endosulfan I									
1	100	7.794	7.793	0.001	17012471	0.006649			
2	100	9.294	9.292	0.002	49249532	0.006904			
						RPD = 3.77			
2 4,4'-DDE									
1	100	7.899	7.897	0.002	20630409	0.006239			
2	100	9.693	9.693	0.000	54806740	0.006340			
						RPD = 1.60			
13 Dieldrin									
1	100	8.360	8.358	0.002	16854444	0.006348			
2	100	9.830	9.829	0.001	52096026	0.006569			
						RPD = 3.42			
17 Endrin									
1	100	8.820	8.819	0.001	15279415	0.006252			
2	100	10.350	10.351	-0.001	44410414	0.006304			
						RPD = 0.83			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.908						
2	100		10.534						
1 4,4'-DDD									M
1	100	9.184	9.183	0.001	12068385	0.006385			M
2	100	10.723	10.721	0.002	78309339	0.006322			
						RPD = 0.99			
15 Endosulfan II									M
1	100	9.269	9.269	0.000	16239878	0.006428			M
2	100	10.723	10.721	0.002	78309339	0.006322			
						RPD = 1.66			
9 Chlorobenzilate									
1	100		9.286						
2	100		10.541						
30 Toxaphene									1
1	100		9.498						
1	2		9.949						
1	3		10.015						
1	4		10.599						
1	5		11.165						
2	100		10.886						
2	2		11.435						
2	3		11.836						
2	4		12.064						
2	5		12.451						
3 4,4'-DDT									
1	100	9.706	9.705	0.001	11008364	0.005865			
2	100	11.210	11.208	0.002	29093916	0.006236			
						RPD = 6.14			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	11386801	0.006193			
2	100	11.296	11.296	0.000	33280894	0.006337			
						RPD = 2.30			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.656	10.656	0.000	5611224	0.006392			
2	100	12.289	12.287	0.002	15454694	0.006689			
						RPD = 4.55			
16 Endosulfan sulfate									
1	100	10.788	10.788	0.000	14824101	0.006623			
2	100	11.730	11.730	0.000	41813578	0.006580			
						RPD = 0.64			
19 Endrin ketone									
1	100	11.190	11.189	0.001	14801959	0.006322			
2	100	12.467	12.466	0.001	39462311	0.006310			
						RPD = 0.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.801						
2	100		14.246						

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

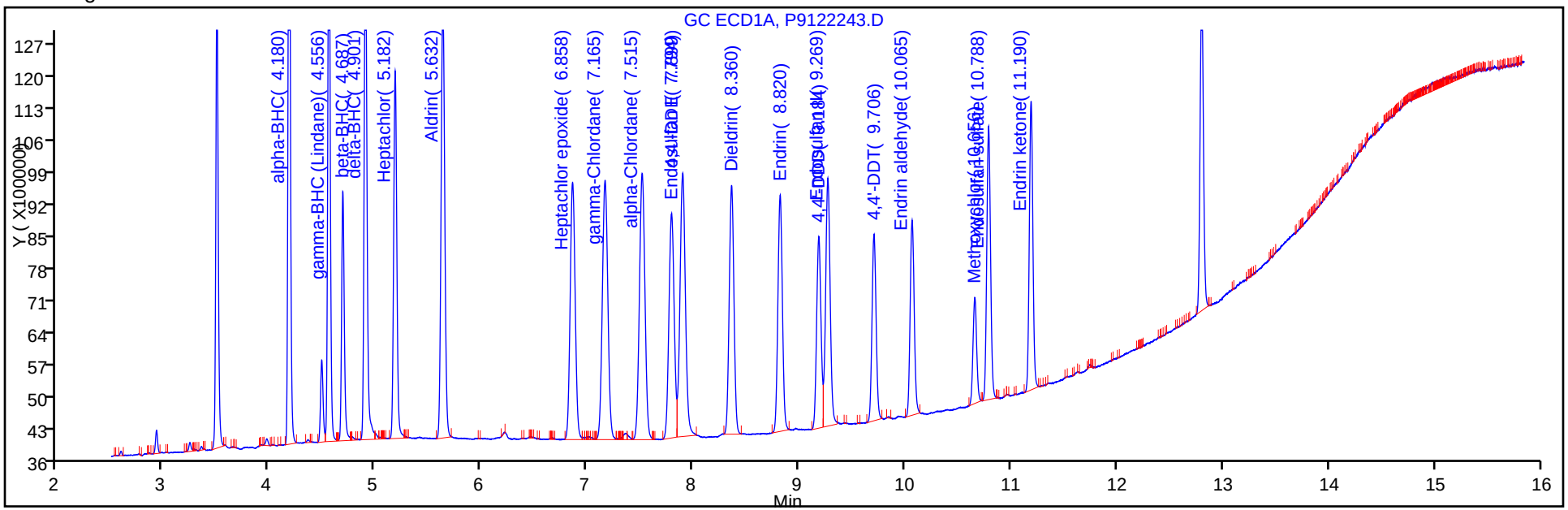
Report Date: 03-Jan-2013 08:03:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

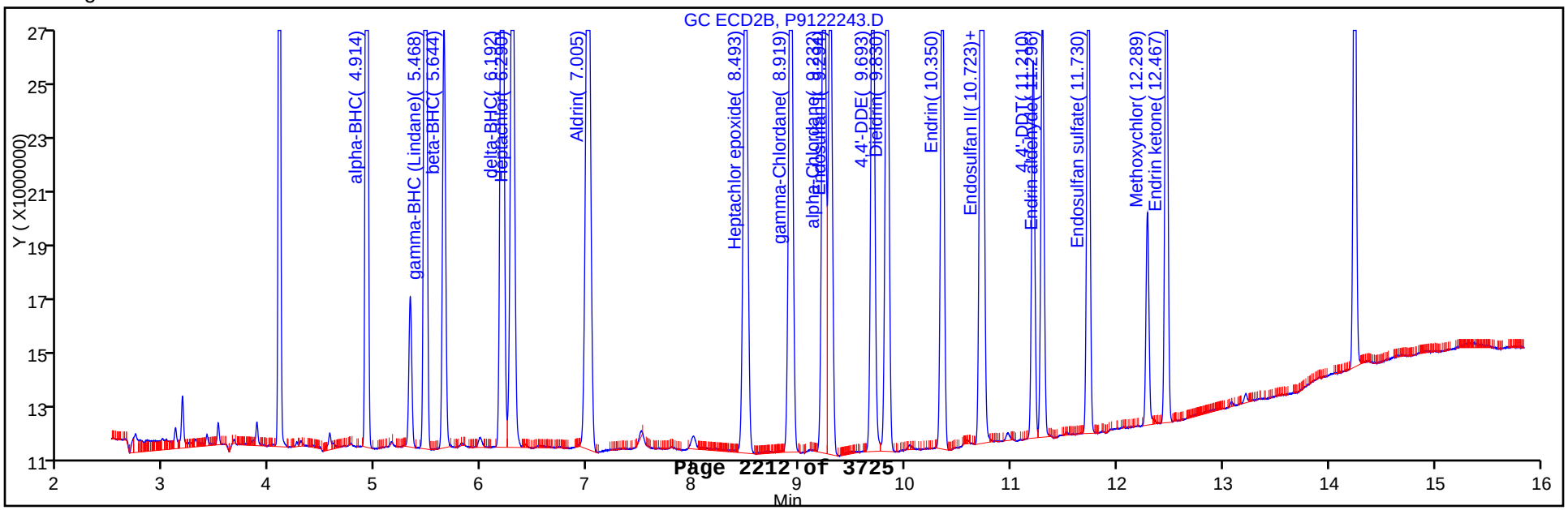
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122243.D

Injection Date:	23-Dec-2012 04:37:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	43
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-71028/14

Matrix: Solid | Lab File ID: P9010314.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 01/03/2013 20:35

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71028 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00516		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00539		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00476	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00553		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00528		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00559		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00568		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00504		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00545		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00580		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00600		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00566		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00568		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00584		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00586		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00538		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00549		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00575		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00573		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00519	J	0.010	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010314.D
Lims ID: MRL Client ID:
Inject. Date: 03-Jan-2013 20:35:47 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016373-014
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 71028 Lims Sample ID: 14
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:15 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 07:30:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.496	3.496	0.000	15327964	0.005638			
2	100	4.084	4.085	-0.001	47805262	0.005448			
						RPD = 3.43			
24 Hexachlorobenzene									
1	100		3.968						
2	100		4.696						
12 Diallate									1
1	100		4.060						
1	2		4.222						
2	100		4.659						
2	2		4.805						
5 alpha-BHC									
1	100	4.178	4.179	-0.001	20105000	0.005277			
2	100	4.908	4.908	0.000	64292888	0.004879			
						RPD = 7.84			
20 gamma-BHC (Lindane)									
1	100	4.554	4.555	-0.001	16754076	0.005378			
2	100	5.462	5.462	0.000	55109530	0.005283			
						RPD = 1.77			
7 beta-BHC									
1	100	4.685	4.686	-0.001	7710362	0.005683			
2	100	5.638	5.637	0.001	26191871	0.006004			
						RPD = 5.50			
11 delta-BHC									
1	100	4.899	4.900	-0.001	17002924	0.005037			
2	100	6.184	6.186	-0.002	53863632	0.004962			
						RPD = 1.49			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	5.047	5.066	-0.019	18017	0.000139		100.0	
1	2	5.916	5.920	-0.004	10926	0.000093	68.4- 108.4	60.6	
1	3	7.160	7.160	0.000	16827079	0.0436	289.4- 329.4	93395.6	
1	4	7.511	7.505	0.006	17661633	0.0293	465.8- 505.8	98027.6	
			Average of Peak Amounts =			0.0183			
2	100	5.985	5.990	-0.005	158277	0.000321		100.0	
2	2	7.491	7.486	0.005	46479	0.000153	8.4- 48.4	29.4	
2	3	8.911	8.912	-0.001	49724175	0.0550	101.3- 141.3	31415.9	
2	4	9.224	9.223	0.001	50227065	0.0620	72.8- 112.8	31733.6	
			Average of Peak Amounts =			0.0294			
						RPD = 46.61			
22 Heptachlor									
1	100	5.179	5.179	0.000	15788121	0.005754			
2	100	6.283	6.283	0.000	53525921	0.006079			
						RPD = 5.50			
4 Aldrin									
1	100	5.629	5.629	0.000	19657199	0.005529			
2	100	6.997	6.996	0.001	58523649	0.005504			
						RPD = 0.44			
25 Isodrin									
1	100		6.218						
2	100		8.001						
23 Heptachlor epoxide									
1	100	6.854	6.852	0.002	15586138	0.005728			
2	100	8.484	8.485	-0.001	49139104	0.005889			
						RPD = 2.79			
21 gamma-Chlordane									
1	100	7.160	7.159	0.001	16827079	0.005493			
2	100	8.911	8.911	0.000	49724175	0.005567			
						RPD = 1.34			
6 alpha-Chlordane									
1	100	7.511	7.510	0.001	17661633	0.005593			
2	100	9.224	9.224	0.000	50227065	0.005676			
						RPD = 1.48			
14 Endosulfan I									
1	100	7.789	7.786	0.003	14846303	0.005802			
2	100	9.284	9.286	-0.002	43502798	0.006099			
						RPD = 4.98			
2 4,4'-DDE									
1	100	7.892	7.894	-0.002	17815332	0.005388			
2	100	9.687	9.686	0.001	62534107	0.007234			
						RPD = 29.25			
13 Dieldrin									
1	100	8.355	8.353	0.002	14479829	0.005454			
2	100	9.821	9.821	0.000	47031571	0.005930			
						RPD = 8.37			
17 Endrin									
1	100	8.814	8.813	0.001	13885341	0.005682			
2	100	10.345	10.344	0.001	40778393	0.005789			
						RPD = 1.86			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.915						
2	100		10.536						
1 4,4'-DDD									
1	100	9.183	9.181	0.002	9745589	0.005156			
2	100	10.717	10.717	0.000	69597366	0.005619			
						RPD = 8.59			
15 Endosulfan II									
1	100	9.266	9.264	0.002	15156211	0.005999			
2	100	10.717	10.717	0.000	69597366	0.005619			
						RPD = 6.54			
9 Chlorobenzilate									1
1	100		9.284						
2	100		10.539						
30 Toxaphene									
1	100	9.498	9.492	0.006	9482	0.000137		100.0	
1	2	9.936	9.942	-0.006	53764	0.000629	105.5- 145.5	567.0	
1	3	0.0	10.009	-10.009	0	0	90.3- 130.3		
1	4	10.599	10.593	0.006	11280	0.000114	116.9- 156.9	119.0	
1	5	11.185	11.161	0.024	13712222	0.2155	64.5- 104.5	144613.2	
			Average of Peak Amounts =			0.0541			
2	100	10.882	10.880	0.002	26938	0.000101		100.0	
2	2	11.428	11.428	0.000	8511	0.000051	43.7- 83.7	31.6	
2	3	11.821	11.831	-0.010	9315	0.000054	45.7- 85.7	34.6	
2	4	12.060	12.057	0.003	16430	0.000064	80.2- 120.2	61.0	
2	5	12.461	12.445	0.016	35521440	0.2905	28.1- 68.1	131863.7	
			Average of Peak Amounts =			0.0582			
						RPD = 7.24			
3 4,4'-DDT									
1	100	9.701	9.701	0.000	8940336	0.004763			
2	100	11.204	11.204	0.000	23702047	0.005080			
						RPD = 6.45			
18 Endrin aldehyde									
1	100	10.062	10.060	0.002	10732724	0.005837			
2	100	11.291	11.290	0.001	31066319	0.005915			
						RPD = 1.33			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.657	10.654	0.003	4560268	0.005195			
2	100	12.283	12.283	0.000	12700877	0.005497			
						RPD = 5.66			
16 Endosulfan sulfate									
1	100	10.784	10.785	-0.001	12658792	0.005655			
2	100	11.724	11.725	-0.001	34749366	0.005469			
						RPD = 3.36			
19 Endrin ketone									
1	100	11.185	11.185	0.000	13712222	0.005857			
2	100	12.461	12.461	0.000	35521440	0.005680			
						RPD = 3.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.799	12.798	0.001	14401906	0.005642			
2	100	14.240	14.240	0.000	36721676	0.005406			
						RPD = 4.27			

QC Flag Legend

Processing Flags
1 - Missing Peaks

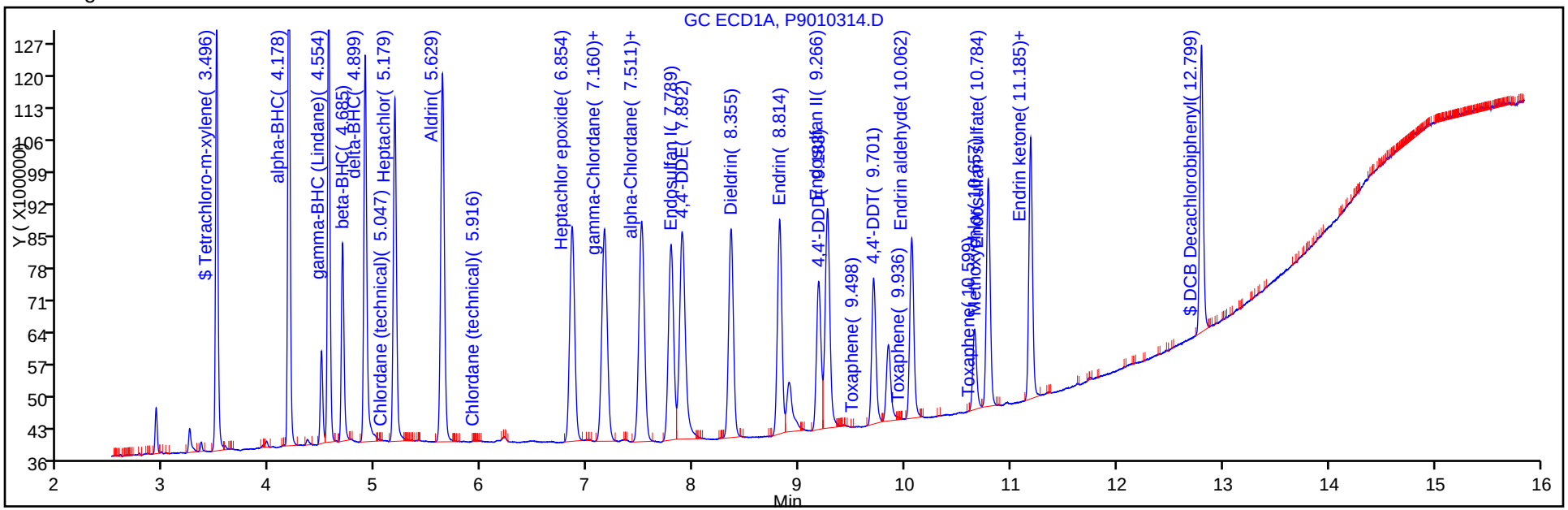
Report Date: 04-Jan-2013 10:57:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

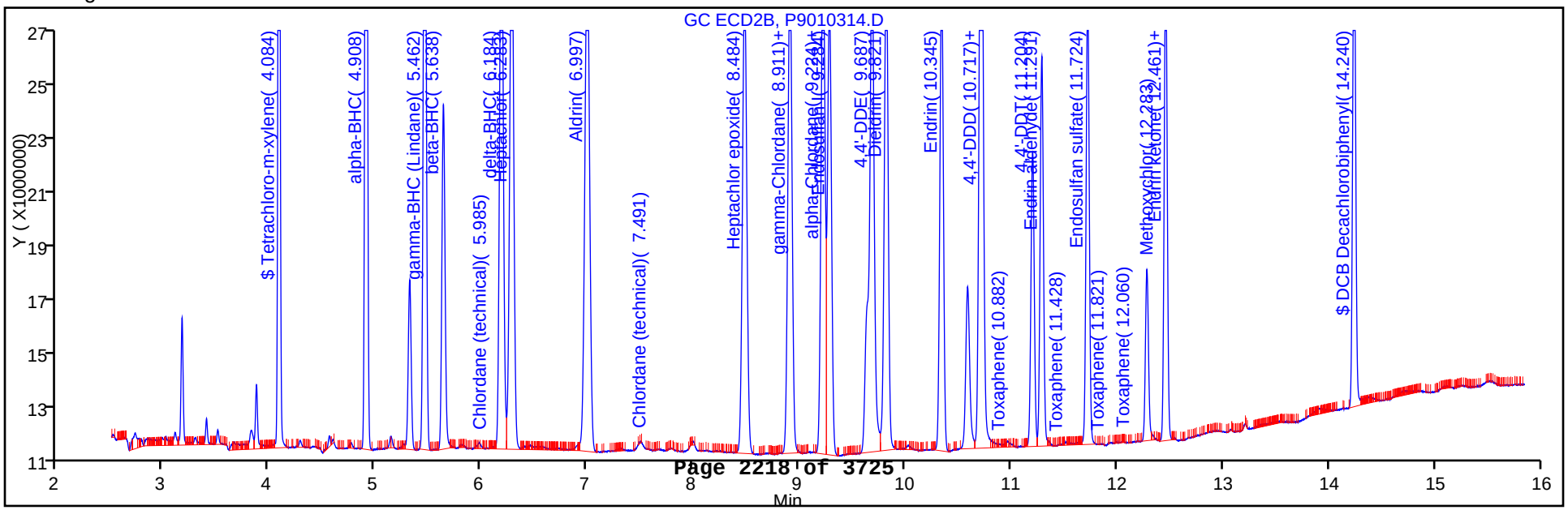
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010314.D

Injection Date:	03-Jan-2013 20:35:47	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-71028/14

Matrix: Solid | Lab File ID: P9010314.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 01/03/2013 20:35

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71028 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00562*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00723*	^	*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00508*		*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00550*		*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00488*	*J*	*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00568*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00600*		*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00496*	*J*	*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00593*		*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00610*		*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00562*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00547*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00579*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00592*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00568*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00528*		*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00557*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00608*		*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00589*		*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00550*	*J*	*0.010*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010314.D
Lims ID: MRL Client ID:
Inject. Date: 03-Jan-2013 20:35:47 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016373-014
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 71028 Lims Sample ID: 14
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:57:15 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 07:30:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.496	3.496	0.000	15327964	0.005638			
2	100	4.084	4.085	-0.001	47805262	0.005448			
						RPD = 3.43			
24 Hexachlorobenzene									
1	100		3.968						
2	100		4.696						
12 Diallate									1
1	100		4.060						
1	2		4.222						
2	100		4.659						
2	2		4.805						
5 alpha-BHC									
1	100	4.178	4.179	-0.001	20105000	0.005277			
2	100	4.908	4.908	0.000	64292888	0.004879			
						RPD = 7.84			
20 gamma-BHC (Lindane)									
1	100	4.554	4.555	-0.001	16754076	0.005378			
2	100	5.462	5.462	0.000	55109530	0.005283			
						RPD = 1.77			
7 beta-BHC									
1	100	4.685	4.686	-0.001	7710362	0.005683			
2	100	5.638	5.637	0.001	26191871	0.006004			
						RPD = 5.50			
11 delta-BHC									
1	100	4.899	4.900	-0.001	17002924	0.005037			
2	100	6.184	6.186	-0.002	53863632	0.004962			
						RPD = 1.49			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100	5.047	5.066	-0.019	18017	0.000139		100.0	
1	2	5.916	5.920	-0.004	10926	0.000093	68.4- 108.4	60.6	
1	3	7.160	7.160	0.000	16827079	0.0436	289.4- 329.4	93395.6	
1	4	7.511	7.505	0.006	17661633	0.0293	465.8- 505.8	98027.6	
			Average of Peak Amounts =			0.0183			
2	100	5.985	5.990	-0.005	158277	0.000321		100.0	
2	2	7.491	7.486	0.005	46479	0.000153	8.4- 48.4	29.4	
2	3	8.911	8.912	-0.001	49724175	0.0550	101.3- 141.3	31415.9	
2	4	9.224	9.223	0.001	50227065	0.0620	72.8- 112.8	31733.6	
			Average of Peak Amounts =			0.0294			
						RPD = 46.61			
22 Heptachlor									
1	100	5.179	5.179	0.000	15788121	0.005754			
2	100	6.283	6.283	0.000	53525921	0.006079			
						RPD = 5.50			
4 Aldrin									
1	100	5.629	5.629	0.000	19657199	0.005529			
2	100	6.997	6.996	0.001	58523649	0.005504			
						RPD = 0.44			
25 Isodrin									
1	100		6.218						
2	100		8.001						
23 Heptachlor epoxide									
1	100	6.854	6.852	0.002	15586138	0.005728			
2	100	8.484	8.485	-0.001	49139104	0.005889			
						RPD = 2.79			
21 gamma-Chlordane									
1	100	7.160	7.159	0.001	16827079	0.005493			
2	100	8.911	8.911	0.000	49724175	0.005567			
						RPD = 1.34			
6 alpha-Chlordane									
1	100	7.511	7.510	0.001	17661633	0.005593			
2	100	9.224	9.224	0.000	50227065	0.005676			
						RPD = 1.48			
14 Endosulfan I									
1	100	7.789	7.786	0.003	14846303	0.005802			
2	100	9.284	9.286	-0.002	43502798	0.006099			
						RPD = 4.98			
2 4,4'-DDE									
1	100	7.892	7.894	-0.002	17815332	0.005388			
2	100	9.687	9.686	0.001	62534107	0.007234			
						RPD = 29.25			
13 Dieldrin									
1	100	8.355	8.353	0.002	14479829	0.005454			
2	100	9.821	9.821	0.000	47031571	0.005930			
						RPD = 8.37			
17 Endrin									
1	100	8.814	8.813	0.001	13885341	0.005682			
2	100	10.345	10.344	0.001	40778393	0.005789			
						RPD = 1.86			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.915						
2	100		10.536						
1 4,4'-DDD									
1	100	9.183	9.181	0.002	9745589	0.005156			
2	100	10.717	10.717	0.000	69597366	0.005619			
						RPD = 8.59			
15 Endosulfan II									
1	100	9.266	9.264	0.002	15156211	0.005999			
2	100	10.717	10.717	0.000	69597366	0.005619			
						RPD = 6.54			
9 Chlorobenzilate									1
1	100		9.284						
2	100		10.539						
30 Toxaphene									
1	100	9.498	9.492	0.006	9482	0.000137		100.0	
1	2	9.936	9.942	-0.006	53764	0.000629	105.5- 145.5	567.0	
1	3	0.0	10.009	-10.009	0	0	90.3- 130.3		
1	4	10.599	10.593	0.006	11280	0.000114	116.9- 156.9	119.0	
1	5	11.185	11.161	0.024	13712222	0.2155	64.5- 104.5	144613.2	
			Average of Peak Amounts =			0.0541			
2	100	10.882	10.880	0.002	26938	0.000101		100.0	
2	2	11.428	11.428	0.000	8511	0.000051	43.7- 83.7	31.6	
2	3	11.821	11.831	-0.010	9315	0.000054	45.7- 85.7	34.6	
2	4	12.060	12.057	0.003	16430	0.000064	80.2- 120.2	61.0	
2	5	12.461	12.445	0.016	35521440	0.2905	28.1- 68.1	131863.7	
			Average of Peak Amounts =			0.0582			
						RPD = 7.24			
3 4,4'-DDT									
1	100	9.701	9.701	0.000	8940336	0.004763			
2	100	11.204	11.204	0.000	23702047	0.005080			
						RPD = 6.45			
18 Endrin aldehyde									
1	100	10.062	10.060	0.002	10732724	0.005837			
2	100	11.291	11.290	0.001	31066319	0.005915			
						RPD = 1.33			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.657	10.654	0.003	4560268	0.005195			
2	100	12.283	12.283	0.000	12700877	0.005497			
						RPD = 5.66			
16 Endosulfan sulfate									
1	100	10.784	10.785	-0.001	12658792	0.005655			
2	100	11.724	11.725	-0.001	34749366	0.005469			
						RPD = 3.36			
19 Endrin ketone									
1	100	11.185	11.185	0.000	13712222	0.005857			
2	100	12.461	12.461	0.000	35521440	0.005680			
						RPD = 3.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.799	12.798	0.001	14401906	0.005642			
2	100	14.240	14.240	0.000	36721676	0.005406			
						RPD = 4.27			

QC Flag Legend

Processing Flags
1 - Missing Peaks

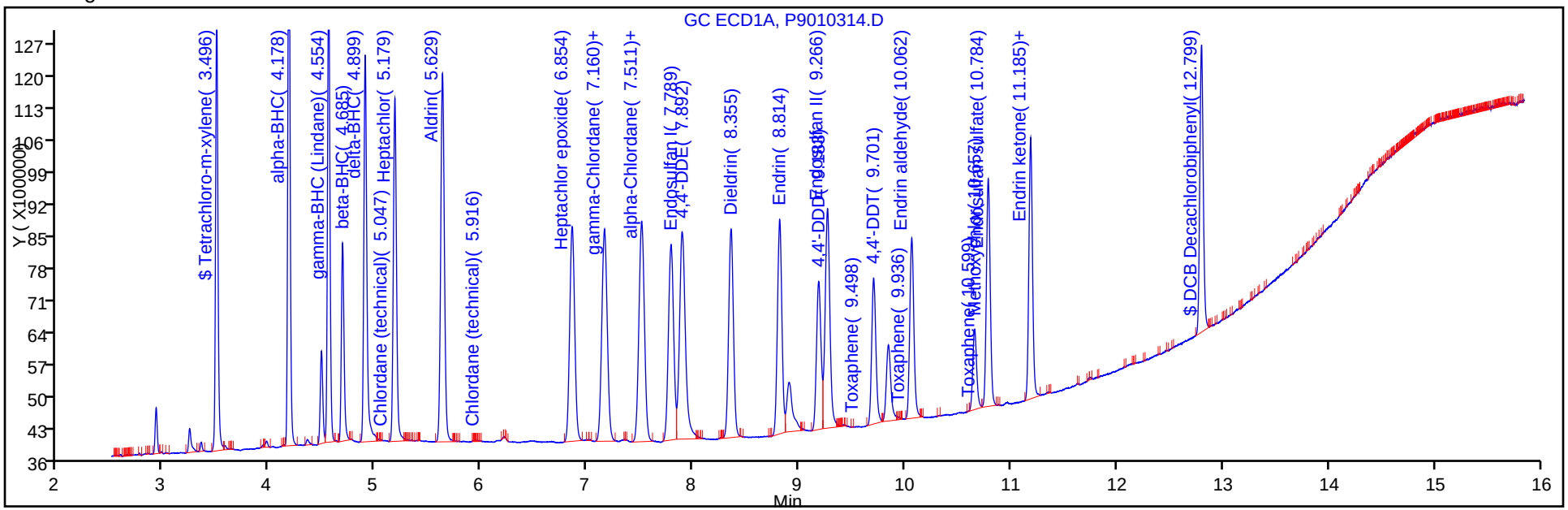
Report Date: 04-Jan-2013 10:57:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

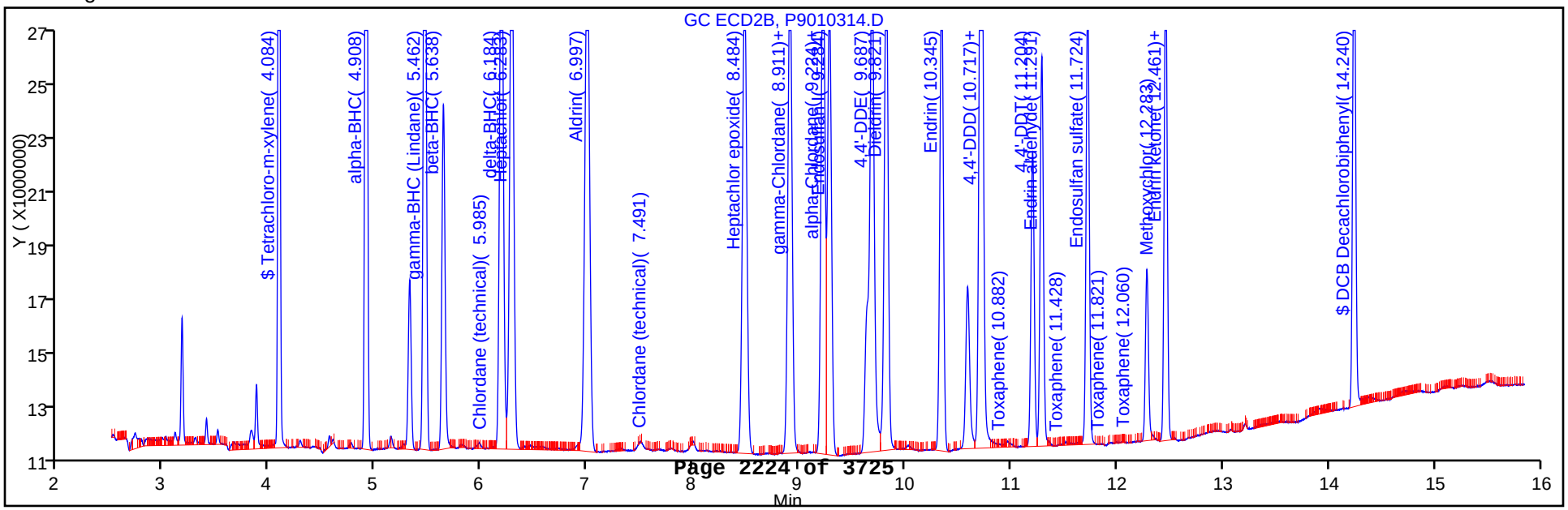
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010314.D

Injection Date:	03-Jan-2013 20:35:47	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-71028/46

Matrix: Solid | Lab File ID: P9010347.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 01/04/2013 10:38

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71028 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00548		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00544		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00499	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00556		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00527		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00568		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00580		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00490	J	0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00556		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00584		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00597		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00546		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00593		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00582		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00569		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00530		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00546		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00572		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00590		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00520	J	0.010	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010347.D
Lims ID: MRL Client ID:
Inject. Date: 04-Jan-2013 10:38:54 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016373-046
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 71028 Lims Sample ID: 46
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:59:55 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 10:59:44

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.497						
2	100		4.084						
24 Hexachlorobenzene									
1	100		3.966						
2	100		4.693						
12 Diallate									1
1	100		4.057						
1	2		4.220						
2	100		4.655						
2	2		4.802						
5 alpha-BHC									
1	100	4.179	4.180	-0.001	20079392	0.005270			
2	100	4.908	4.908	0.000	63880884	0.004848			
						RPD = 8.35			
20 gamma-BHC (Lindane)									
1	100	4.555	4.555	0.000	16523894	0.005304			
2	100	5.462	5.462	0.000	54489240	0.005224			
						RPD = 1.52			
7 beta-BHC									
1	100	4.687	4.686	0.001	7865994	0.005797			
2	100	5.637	5.637	0.000	26617824	0.006102			
						RPD = 5.11			
11 delta-BHC									
1	100	4.901	4.900	0.001	16525772	0.004895			
2	100	6.185	6.185	0.000	53917048	0.004967			
						RPD = 1.46			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.066						
1	2		5.920						
1	3		7.160						
1	4		7.505						
2	100		5.990						
2	2		7.486						
2	3		8.912						
2	4		9.223						
22 Heptachlor									
1	100	5.181	5.180	0.001	15708074	0.005725			
2	100	6.283	6.283	0.000	53304035	0.006054			
						RPD = 5.59			
4 Aldrin									
1	100	5.632	5.630	0.002	19759581	0.005557			
2	100	6.996	6.997	-0.001	58379655	0.005490			
						RPD = 1.21			
25 Isodrin									
1	100		6.215						
2	100		7.995						
23 Heptachlor epoxide									
1	100	6.857	6.856	0.001	16064388	0.005903			
2	100	8.483	8.485	-0.002	50166422	0.006013			
						RPD = 1.83			
21 gamma-Chlordane									
1	100	7.162	7.163	-0.001	16711197	0.005455			
2	100	8.912	8.912	0.000	49785351	0.005574			
						RPD = 2.15			
6 alpha-Chlordane									
1	100	7.514	7.514	0.000	17936009	0.005680			
2	100	9.226	9.226	0.000	51074004	0.005772			
						RPD = 1.61			
14 Endosulfan I									
1	100	7.791	7.790	0.001	14939072	0.005839			
2	100	9.285	9.285	0.000	43538927	0.006104			
						RPD = 4.44			
2 4,4'-DDE									
1	100	7.897	7.895	0.002	17986013	0.005440			
2	100	9.687	9.687	0.000	48705148	0.005634			
						RPD = 3.51			
13 Dieldrin									
1	100	8.357	8.359	-0.002	14767755	0.005562			
2	100	9.822	9.823	-0.001	45285566	0.005710			
						RPD = 2.62			
17 Endrin									
1	100	8.816	8.815	0.001	14490430	0.005929			
2	100	10.346	10.345	0.001	40188847	0.005705			
						RPD = 3.86			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.915						
2	100		10.535						
1 4,4'-DDD									
1	100	9.183	9.183	0.000	10349306	0.005475			
2	100	10.719	10.718	0.001	67371481	0.005439			
						RPD = 0.66			
15 Endosulfan II									
1	100	9.268	9.267	0.001	15082801	0.005970			
2	100	10.719	10.718	0.001	67371481	0.005439			
						RPD = 9.30			
9 Chlorobenzilate									
1	100		9.282						
2	100		10.535						
30 Toxaphene									
1	100		9.497						
1	2		9.946						
1	3		10.012						
1	4		10.596						
1	5		11.161						
2	100		10.879						
2	2		11.427						
2	3		11.830						
2	4		12.058						
2	5		12.446						
3 4,4'-DDT									
1	100	9.703	9.705	-0.002	9372851	0.004993			
2	100	11.203	11.203	0.000	22931976	0.004915			
						RPD = 1.58			
18 Endrin aldehyde									
1	100	10.063	10.063	0.000	10693800	0.005816			
2	100	11.291	11.290	0.001	29274029	0.005574			
						RPD = 4.25			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.657	10.655	0.002	4562848	0.005198			
2	100	12.282	12.282	0.000	11836792	0.005123			
						RPD = 1.44			
16 Endosulfan sulfate									
1	100	10.787	10.787	0.000	12230685	0.005464			
2	100	11.723	11.724	-0.001	32669924	0.005141			
						RPD = 6.08			
19 Endrin ketone									
1	100	11.187	11.186	0.001	13318335	0.005688			
2	100	12.461	12.460	0.001	32760225	0.005238			
						RPD = 8.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.799						
2	100		14.240						

QC Flag Legend

Processing Flags
1 - Missing Peaks

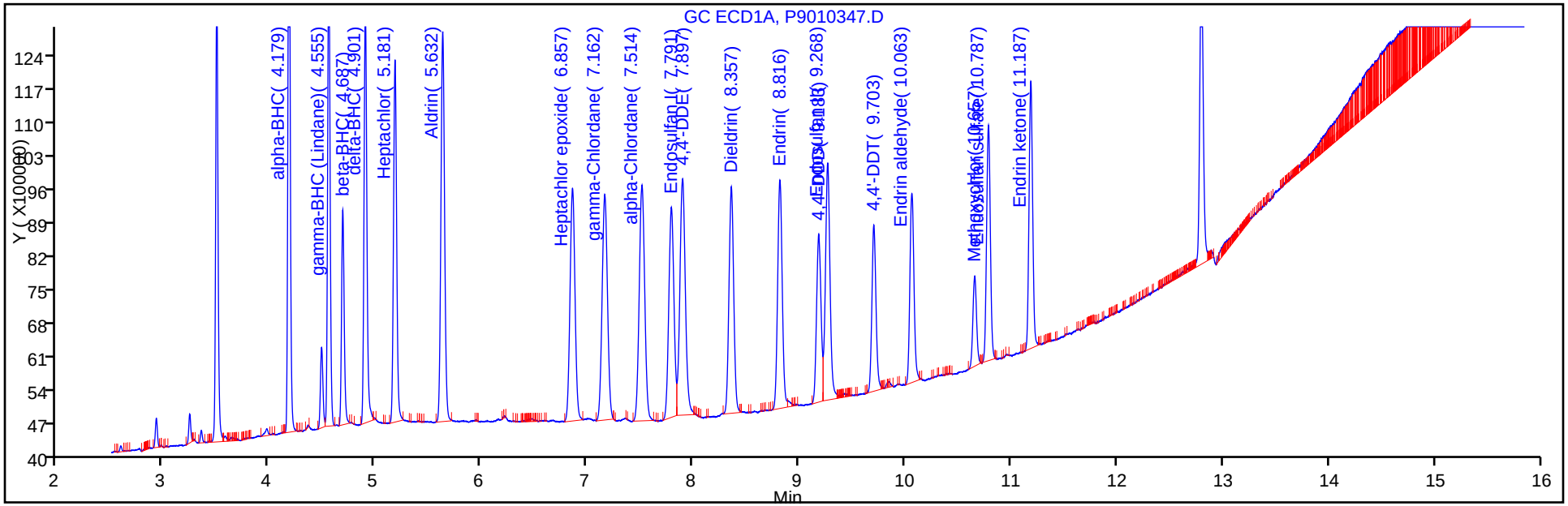
Report Date: 04-Jan-2013 10:59:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

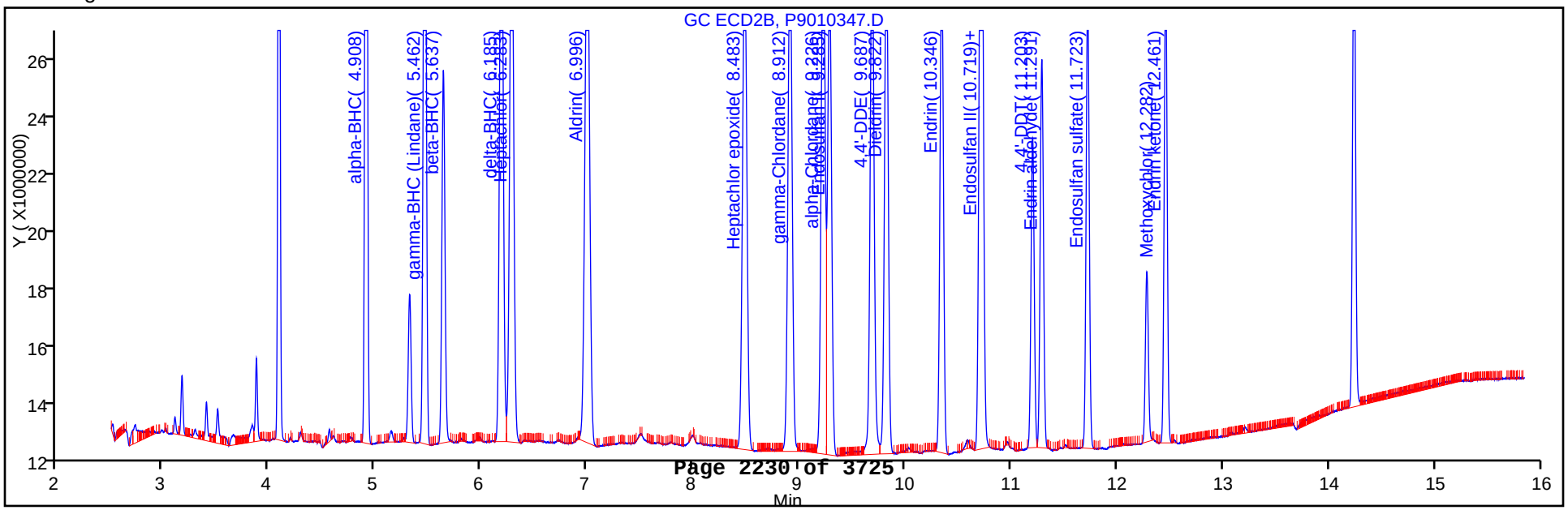
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010347.D

Injection Date:	04-Jan-2013 10:38:54	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	46
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-71028/46

Matrix: Solid | Lab File ID: P9010347.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 01/04/2013 10:38

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 71028 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00544*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00563*		*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00492*	*J*	*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00549*		*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00485*	*J*	*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00577*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00610*		*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00497*	*J*	*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00571*		*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00610*		*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00544*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00514*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00571*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00557*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00524*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00522*		*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00557*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00605*		*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00601*		*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00512*	*J*	*0.010*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010347.D
Lims ID: MRL Client ID:
Inject. Date: 04-Jan-2013 10:38:54 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016373-046
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 71028 Lims Sample ID: 46
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\PEST9.m
Last Update: 04-Jan-2013 10:59:55 Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

First Level Reviewer: vandorenc Date: 04-Jan-2013 10:59:44

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.497						
2	100		4.084						
24 Hexachlorobenzene									
1	100		3.966						
2	100		4.693						
12 Diallate									1
1	100		4.057						
1	2		4.220						
2	100		4.655						
2	2		4.802						
5 alpha-BHC									
1	100	4.179	4.180	-0.001	20079392	0.005270			
2	100	4.908	4.908	0.000	63880884	0.004848			
						RPD = 8.35			
20 gamma-BHC (Lindane)									
1	100	4.555	4.555	0.000	16523894	0.005304			
2	100	5.462	5.462	0.000	54489240	0.005224			
						RPD = 1.52			
7 beta-BHC									
1	100	4.687	4.686	0.001	7865994	0.005797			
2	100	5.637	5.637	0.000	26617824	0.006102			
						RPD = 5.11			
11 delta-BHC									
1	100	4.901	4.900	0.001	16525772	0.004895			
2	100	6.185	6.185	0.000	53917048	0.004967			
						RPD = 1.46			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.066						
1	2		5.920						
1	3		7.160						
1	4		7.505						
2	100		5.990						
2	2		7.486						
2	3		8.912						
2	4		9.223						
22 Heptachlor									
1	100	5.181	5.180	0.001	15708074	0.005725			
2	100	6.283	6.283	0.000	53304035	0.006054			
						RPD = 5.59			
4 Aldrin									
1	100	5.632	5.630	0.002	19759581	0.005557			
2	100	6.996	6.997	-0.001	58379655	0.005490			
						RPD = 1.21			
25 Isodrin									
1	100		6.215						
2	100		7.995						
23 Heptachlor epoxide									
1	100	6.857	6.856	0.001	16064388	0.005903			
2	100	8.483	8.485	-0.002	50166422	0.006013			
						RPD = 1.83			
21 gamma-Chlordane									
1	100	7.162	7.163	-0.001	16711197	0.005455			
2	100	8.912	8.912	0.000	49785351	0.005574			
						RPD = 2.15			
6 alpha-Chlordane									
1	100	7.514	7.514	0.000	17936009	0.005680			
2	100	9.226	9.226	0.000	51074004	0.005772			
						RPD = 1.61			
14 Endosulfan I									
1	100	7.791	7.790	0.001	14939072	0.005839			
2	100	9.285	9.285	0.000	43538927	0.006104			
						RPD = 4.44			
2 4,4'-DDE									
1	100	7.897	7.895	0.002	17986013	0.005440			
2	100	9.687	9.687	0.000	48705148	0.005634			
						RPD = 3.51			
13 Dieldrin									
1	100	8.357	8.359	-0.002	14767755	0.005562			
2	100	9.822	9.823	-0.001	45285566	0.005710			
						RPD = 2.62			
17 Endrin									
1	100	8.816	8.815	0.001	14490430	0.005929			
2	100	10.346	10.345	0.001	40188847	0.005705			
						RPD = 3.86			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		8.915						
2	100		10.535						
1 4,4'-DDD									
1	100	9.183	9.183	0.000	10349306	0.005475			
2	100	10.719	10.718	0.001	67371481	0.005439			
						RPD = 0.66			
15 Endosulfan II									
1	100	9.268	9.267	0.001	15082801	0.005970			
2	100	10.719	10.718	0.001	67371481	0.005439			
						RPD = 9.30			
9 Chlorobenzilate									
1	100		9.282						
2	100		10.535						
30 Toxaphene									
1	100		9.497						
1	2		9.946						
1	3		10.012						
1	4		10.596						
1	5		11.161						
2	100		10.879						
2	2		11.427						
2	3		11.830						
2	4		12.058						
2	5		12.446						
3 4,4'-DDT									
1	100	9.703	9.705	-0.002	9372851	0.004993			
2	100	11.203	11.203	0.000	22931976	0.004915			
						RPD = 1.58			
18 Endrin aldehyde									
1	100	10.063	10.063	0.000	10693800	0.005816			
2	100	11.291	11.290	0.001	29274029	0.005574			
						RPD = 4.25			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.657	10.655	0.002	4562848	0.005198			
2	100	12.282	12.282	0.000	11836792	0.005123			
						RPD = 1.44			
16 Endosulfan sulfate									
1	100	10.787	10.787	0.000	12230685	0.005464			
2	100	11.723	11.724	-0.001	32669924	0.005141			
						RPD = 6.08			
19 Endrin ketone									
1	100	11.187	11.186	0.001	13318335	0.005688			
2	100	12.461	12.460	0.001	32760225	0.005238			
						RPD = 8.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.799						
2	100		14.240						

QC Flag Legend

Processing Flags
1 - Missing Peaks

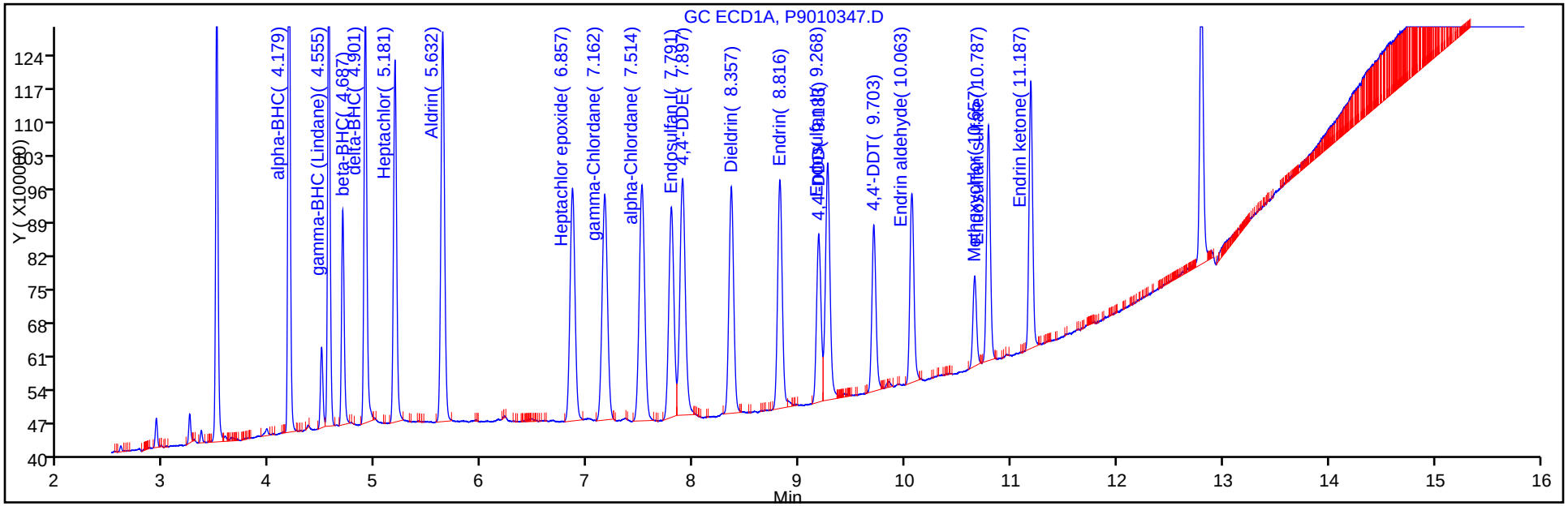
Report Date: 04-Jan-2013 10:59:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

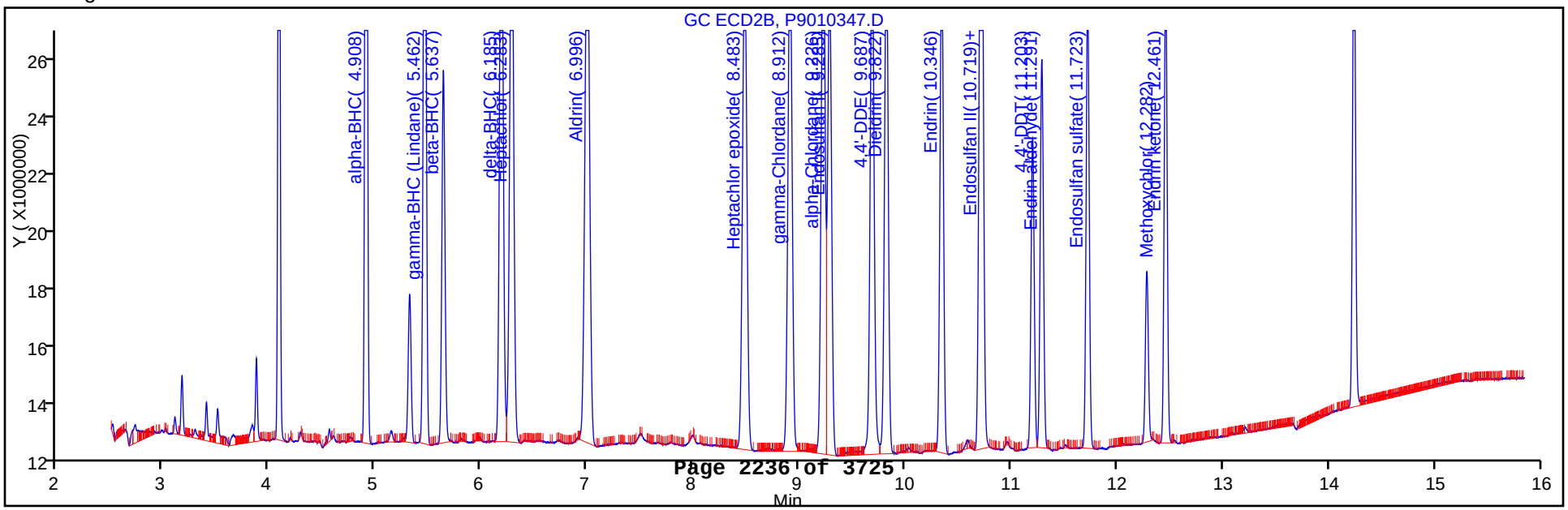
Data File: \\Ncchrom\ChromData\A2HP9\20130103-16373.b\P9010347.D

Injection Date:	04-Jan-2013 10:38:54	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	71028	Lims Sample ID:	46
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MS | Lab Sample ID: 240-18581-1 MS

Matrix: Solid | Lab File ID: P9122222.D

Analysis Method: 8081/DOD | Date Collected: 12/07/2012 11:45

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:53

Sample wt/vol: 29.92(g) | Date Analyzed: 12/22/2012 20:04

Con. Extract Vol.: 10(mL) | Dilution Factor: 50

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	34	U J	100	34	31
72-55-9	4,4'-DDE	29.5	J D	85	34	20
50-29-3	4,4'-DDT	34	U J	100	34	32
309-00-2	Aldrin	67	U	200	67	60
319-84-6	alpha-BHC	67	U	130	67	37
5103-71-9	alpha-Chlordane	67	U	150	67	47
319-85-7	beta-BHC	67	U	180	67	55
319-86-8	delta-BHC	67	U	200	67	60
60-57-1	Dieldrin	26.8	J D	85	34	24
959-98-8	Endosulfan I	29.6	J D	85	34	26
33213-65-9	Endosulfan II	67	U	130	67	41
1031-07-8	Endosulfan sulfate	67	U	150	67	44
72-20-8	Endrin	26.8	J D	85	34	25
7421-93-4	Endrin aldehyde	67	U	150	67	50
53494-70-5	Endrin ketone	34	U J	100	34	32
58-89-9	gamma-BHC (Lindane)	67	U	130	67	37
5103-74-2	gamma-Chlordane	27.4	J D	85	34	21
76-44-8	Heptachlor	67	U	180	67	55
1024-57-3	Heptachlor epoxide	67	U	130	67	40
72-43-5	Methoxychlor	170	U	250	170	75
8001-35-2	Toxaphene	1000	U	3400	1000	950

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	74		55-130
877-09-8	Tetrachloro-m-xylene	137	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122222.D		
Lims ID:	240-18581-M-1-I MS	Client ID:	070SB-0042M-0002-SO
Inject. Date:	22-Dec-2012 20:04:27	Dil. Factor:	50.0000
Sample Type:	MS		
Sample ID:	240-0016122-022		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	69893	Lims Sample ID:	22
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m		
Last Update:	03-Jan-2013 07:24:17	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK036		
First Level Reviewer: vandorenc		Date:	03-Jan-2013 06:39:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.503	3.499	0.004	1493745	0.000549			
2	100	4.088	4.089	-0.001	10563501	0.001204			
						RPD = 74.65			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	7047770	0.001850			
2	100	4.913	4.913	0.000	19833792	0.001505			
						RPD = 20.55			
20 gamma-BHC (Lindane)									
1	100	4.558	4.557	0.001	4633092	0.001487			
2	100	5.469	5.467	0.002	17478658	0.001676			
						RPD = 11.93			
7 beta-BHC									
1	100	4.688	4.689	-0.001	3731204	0.002750			
2	100	5.643	5.643	0.000	11026284	0.002528			
						RPD = 8.43			
11 delta-BHC									
1	100	4.901	4.902	-0.001	4098792	0.001214			
2	100	6.193	6.192	0.001	17069848	0.001573			
						RPD = 25.73			
22 Heptachlor									
1	100	5.184	5.183	0.001	6251017	0.002278			
2	100	6.291	6.289	0.002	13814968	0.001569			
						RPD = 36.86			
4 Aldrin									
1	100	5.636	5.633	0.003	6502363	0.001829			
2	100	7.006	7.005	0.001	18384649	0.001729			
						RPD = 5.61			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	4755269	0.001747			
2	100	8.524	8.492	0.032	377969787	0.0453			
						RPD = 185.14			
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	5013616	0.001637			
2	100	8.919	8.919	0.000	14848751	0.001663			
						RPD = 1.56			
6 alpha-Chlordane									M
1	100	7.514	7.516	-0.002	5142857	0.001629			
2	100	9.232	9.232	0.000	16443043	0.001858			
						RPD = 13.17			
14 Endosulfan I									
1	100	7.796	7.794	0.002	4531227	0.001771			
2	100	9.293	9.294	-0.001	13836844	0.001940			
						RPD = 9.10			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	5835719	0.001765			
2	100	9.693	9.694	-0.001	16192116	0.001873			
						RPD = 5.94			
13 Dieldrin									
1	100	8.361	8.361	0.000	4261601	0.001605			
2	100	9.830	9.829	0.001	13833765	0.001744			
						RPD = 8.31			
17 Endrin									
1	100	8.818	8.818	0.000	3916748	0.001603			
2	100	10.351	10.351	0.000	13036632	0.001851			
						RPD = 14.36			
1 4,4'-DDD									
1	100	9.183	9.185	-0.002	2859030	0.001513			
2	100	10.723	10.724	-0.001	17510785	0.001414			
						RPD = 6.76			
15 Endosulfan II									
1	100	9.269	9.269	0.000	3520513	0.001393			
2	100	10.723	10.724	-0.001	17510785	0.001414			
						RPD = 1.44			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100		9.498						
1	2		9.949						
1	3		10.015						
1	4		10.599						
1	5		11.165						
2	100		10.886						
2	2		11.435						
2	3		11.836						
2	4		12.064						
2	5		12.451						
3 4,4'-DDT									
1	100	9.704	9.706	-0.002	2916697	0.001554			
2	100	11.209	11.209	0.000	8587776	0.001841			
						RPD = 16.90			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	2733523	0.001487			
2	100	11.298	11.297	0.001	9844963	0.001875			
						RPD = 23.08			
27 Methoxychlor									M
1	100	10.655	10.659	-0.004	1313311	0.001496			
2	100	12.288	12.288	0.000	5491898	0.002377			
						RPD = 45.50			
16 Endosulfan sulfate									
1	100	10.788	10.789	-0.001	3761925	0.001681			
2	100	11.730	11.730	0.000	10732659	0.001689			
						RPD = 0.50			
19 Endrin ketone									
1	100	11.188	11.188	0.000	3735705	0.001596			
2	100	12.467	12.467	0.000	10272469	0.001643			
						RPD = 2.91			
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.802	-0.001	759993	0.000298			7
2	100	14.245	14.247	-0.002	4169212	0.000614			7
						RPD = 69.35			

LOD = 0.000500

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

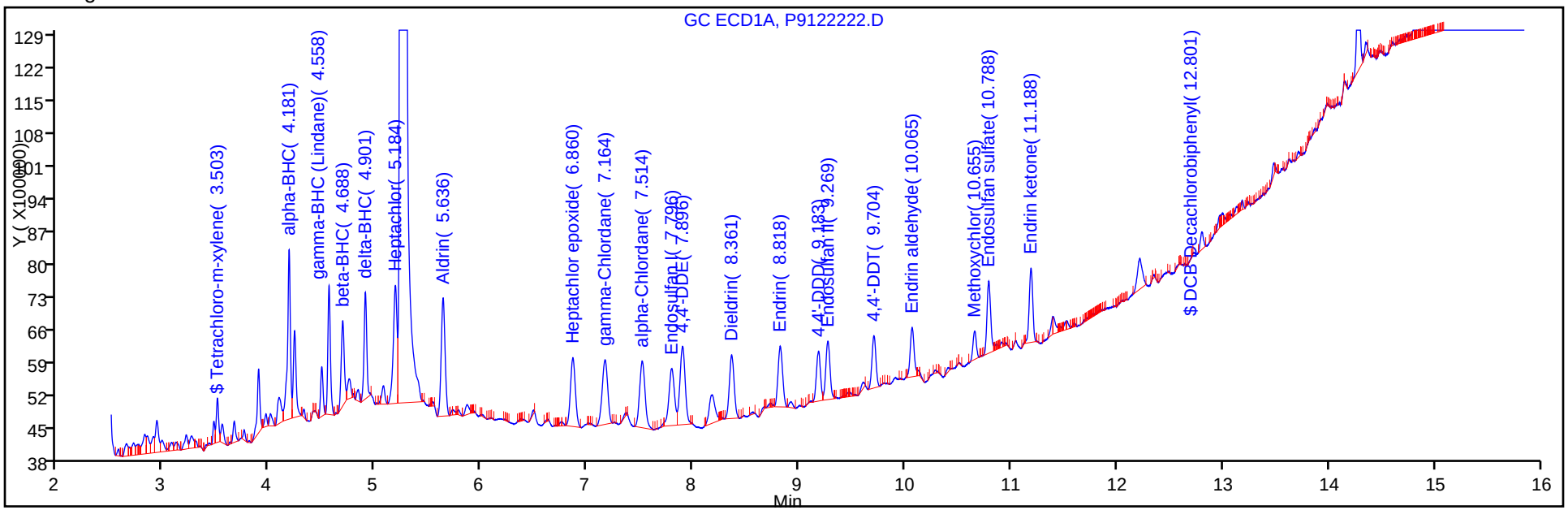
Report Date: 03-Jan-2013 07:24:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

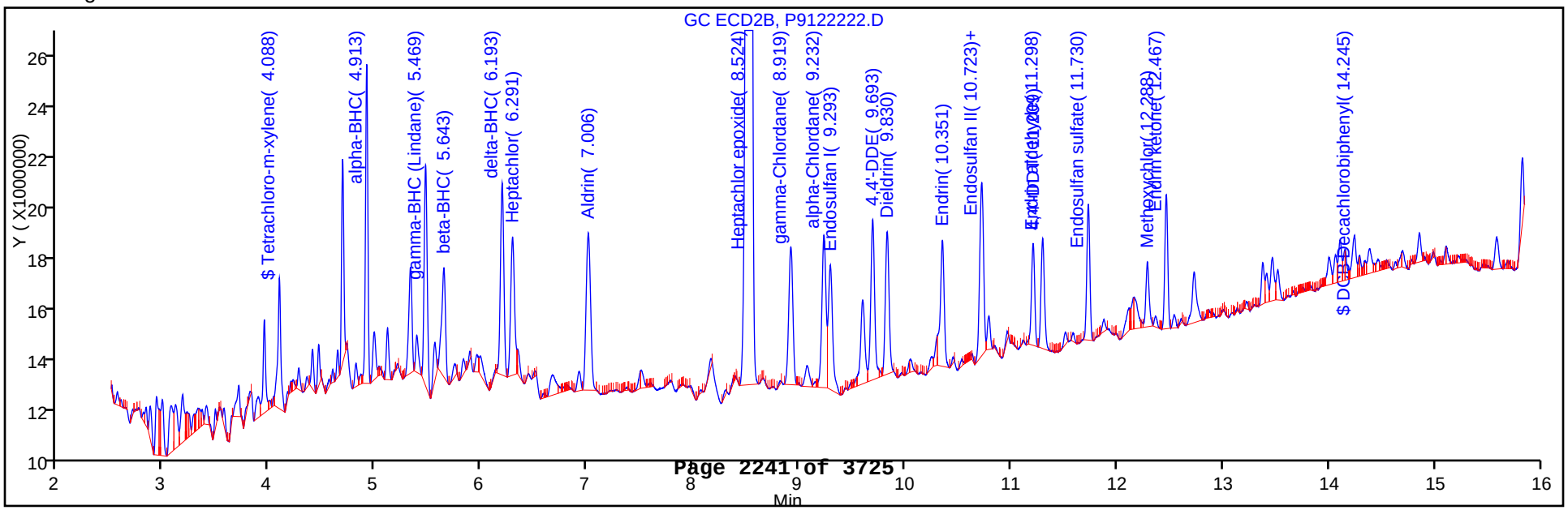
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122222.D

Injection Date:	22-Dec-2012 20:04:27	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	22
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

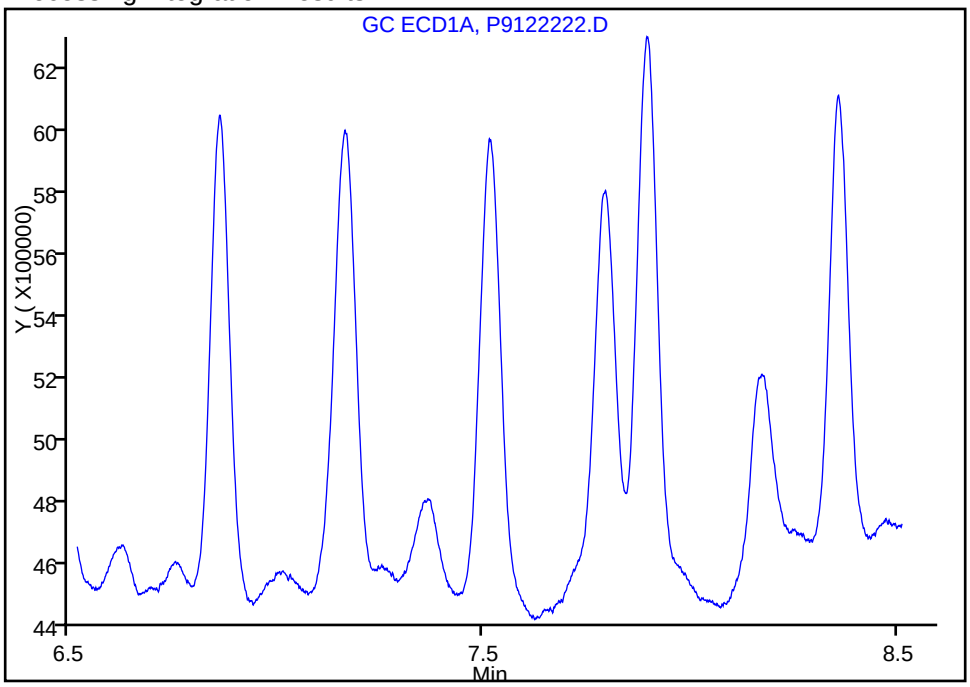
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122222.D		
Injection Date:	22-Dec-2012 20:04:27	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	22
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 alpha-Chlordane, Signal: 1, Type: quant, RT: 7.52, Det: GC ECD1A

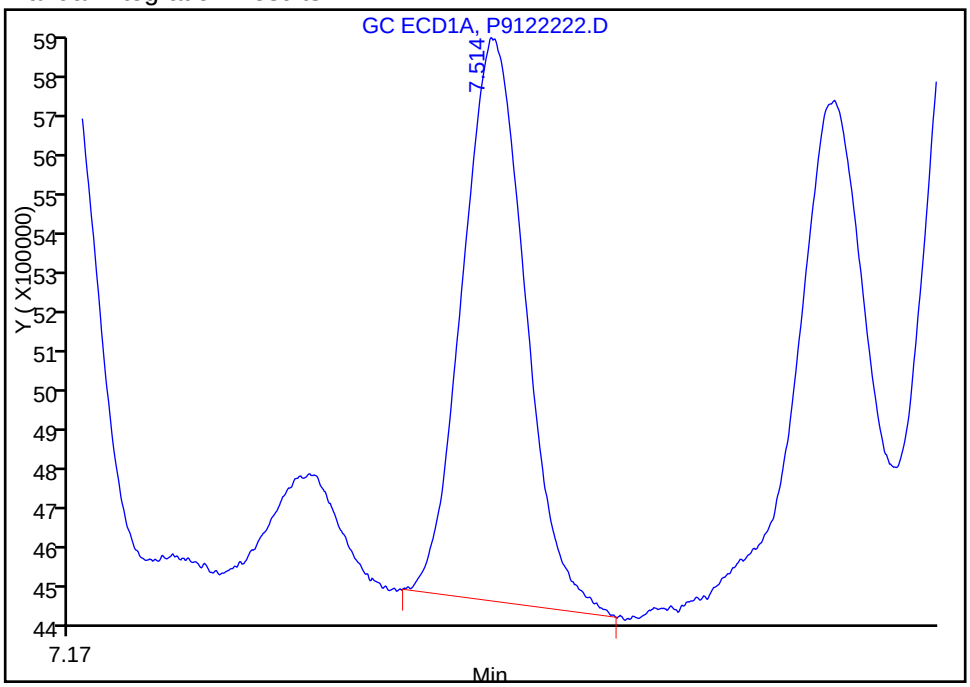
Not Detected
Expected RT: 7.52

Processing Integration Results



Manual Integration Results

RT: 7.51
Response: 5142857
Amount: 0.001629



Reviewer: vandorenc, 03-Jan-2013 06:39:48
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MS | Lab Sample ID: 240-18581-1 MS

Matrix: Solid | Lab File ID: P9122222.D

Analysis Method: 8081/DOD | Date Collected: 12/07/2012 11:45

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:53

Sample wt/vol: 29.92(g) | Date Analyzed: 12/22/2012 20:04

Con. Extract Vol.: 10(mL) | Dilution Factor: 50

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	153	Q	55-130
877-09-8	Tetrachloro-m-xylene	301	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122222.D		
Lims ID:	240-18581-M-1-I MS	Client ID:	070SB-0042M-0002-SO
Inject. Date:	22-Dec-2012 20:04:27	Dil. Factor:	50.0000
Sample Type:	MS		
Sample ID:	240-0016122-022		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	69893	Lims Sample ID:	22
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m		
Last Update:	03-Jan-2013 07:24:17	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK036		
First Level Reviewer: vandorenc		Date:	03-Jan-2013 06:39:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.503	3.499	0.004	1493745	0.000549			
2	100	4.088	4.089	-0.001	10563501	0.001204			
						RPD = 74.65			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	7047770	0.001850			
2	100	4.913	4.913	0.000	19833792	0.001505			
						RPD = 20.55			
20 gamma-BHC (Lindane)									
1	100	4.558	4.557	0.001	4633092	0.001487			
2	100	5.469	5.467	0.002	17478658	0.001676			
						RPD = 11.93			
7 beta-BHC									
1	100	4.688	4.689	-0.001	3731204	0.002750			
2	100	5.643	5.643	0.000	11026284	0.002528			
						RPD = 8.43			
11 delta-BHC									
1	100	4.901	4.902	-0.001	4098792	0.001214			
2	100	6.193	6.192	0.001	17069848	0.001573			
						RPD = 25.73			
22 Heptachlor									
1	100	5.184	5.183	0.001	6251017	0.002278			
2	100	6.291	6.289	0.002	13814968	0.001569			
						RPD = 36.86			
4 Aldrin									
1	100	5.636	5.633	0.003	6502363	0.001829			
2	100	7.006	7.005	0.001	18384649	0.001729			
						RPD = 5.61			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.860	6.860	0.000	4755269	0.001747			
2	100	8.524	8.492	0.032	377969787	0.0453			
						RPD = 185.14			
21 gamma-Chlordane									
1	100	7.164	7.166	-0.002	5013616	0.001637			
2	100	8.919	8.919	0.000	14848751	0.001663			
						RPD = 1.56			
6 alpha-Chlordane									M
1	100	7.514	7.516	-0.002	5142857	0.001629			
2	100	9.232	9.232	0.000	16443043	0.001858			
						RPD = 13.17			
14 Endosulfan I									
1	100	7.796	7.794	0.002	4531227	0.001771			
2	100	9.293	9.294	-0.001	13836844	0.001940			
						RPD = 9.10			
2 4,4'-DDE									
1	100	7.896	7.899	-0.003	5835719	0.001765			
2	100	9.693	9.694	-0.001	16192116	0.001873			
						RPD = 5.94			
13 Dieldrin									
1	100	8.361	8.361	0.000	4261601	0.001605			
2	100	9.830	9.829	0.001	13833765	0.001744			
						RPD = 8.31			
17 Endrin									
1	100	8.818	8.818	0.000	3916748	0.001603			
2	100	10.351	10.351	0.000	13036632	0.001851			
						RPD = 14.36			
1 4,4'-DDD									
1	100	9.183	9.185	-0.002	2859030	0.001513			
2	100	10.723	10.724	-0.001	17510785	0.001414			
						RPD = 6.76			
15 Endosulfan II									
1	100	9.269	9.269	0.000	3520513	0.001393			
2	100	10.723	10.724	-0.001	17510785	0.001414			
						RPD = 1.44			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100		9.498						
1	2		9.949						
1	3		10.015						
1	4		10.599						
1	5		11.165						
2	100		10.886						
2	2		11.435						
2	3		11.836						
2	4		12.064						
2	5		12.451						
3 4,4'-DDT									
1	100	9.704	9.706	-0.002	2916697	0.001554			
2	100	11.209	11.209	0.000	8587776	0.001841			
						RPD = 16.90			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	2733523	0.001487			
2	100	11.298	11.297	0.001	9844963	0.001875			
						RPD = 23.08			
27 Methoxychlor									M
1	100	10.655	10.659	-0.004	1313311	0.001496			
2	100	12.288	12.288	0.000	5491898	0.002377			
						RPD = 45.50			
16 Endosulfan sulfate									
1	100	10.788	10.789	-0.001	3761925	0.001681			
2	100	11.730	11.730	0.000	10732659	0.001689			
						RPD = 0.50			
19 Endrin ketone									
1	100	11.188	11.188	0.000	3735705	0.001596			
2	100	12.467	12.467	0.000	10272469	0.001643			
						RPD = 2.91			
$ 10 DCB Decachlorobiphenyl									
1	100	12.801	12.802	-0.001	759993	0.000298			7
2	100	14.245	14.247	-0.002	4169212	0.000614			7
						RPD = 69.35			

LOD = 0.000500

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

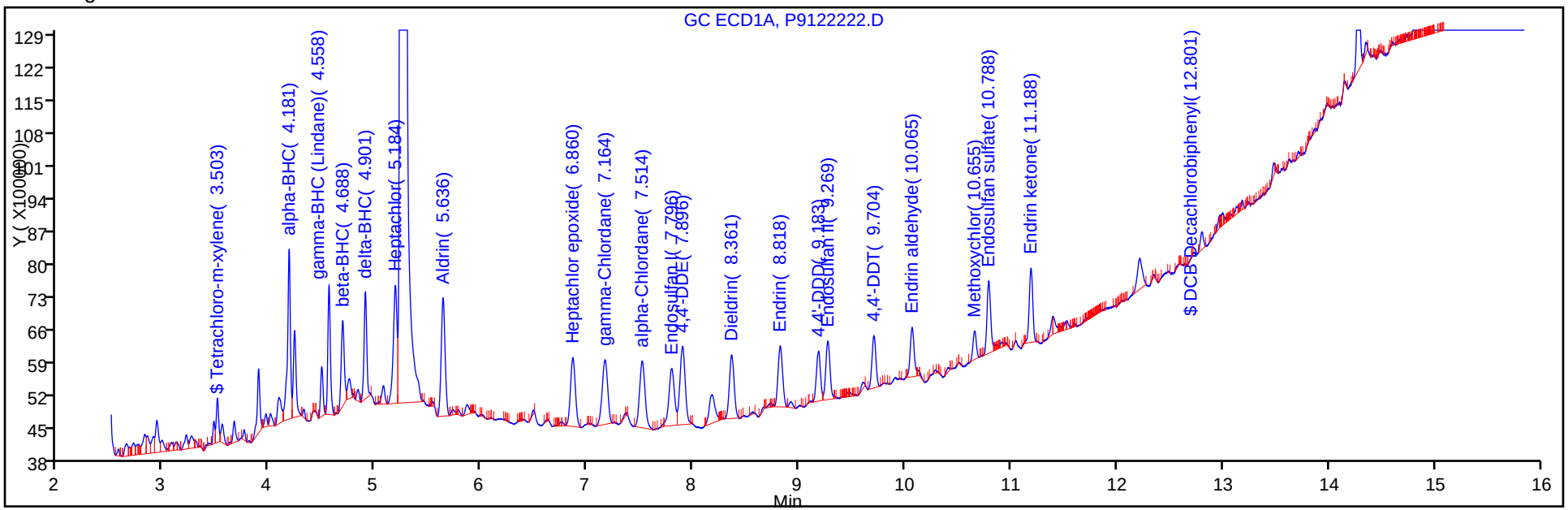
Report Date: 03-Jan-2013 07:24:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

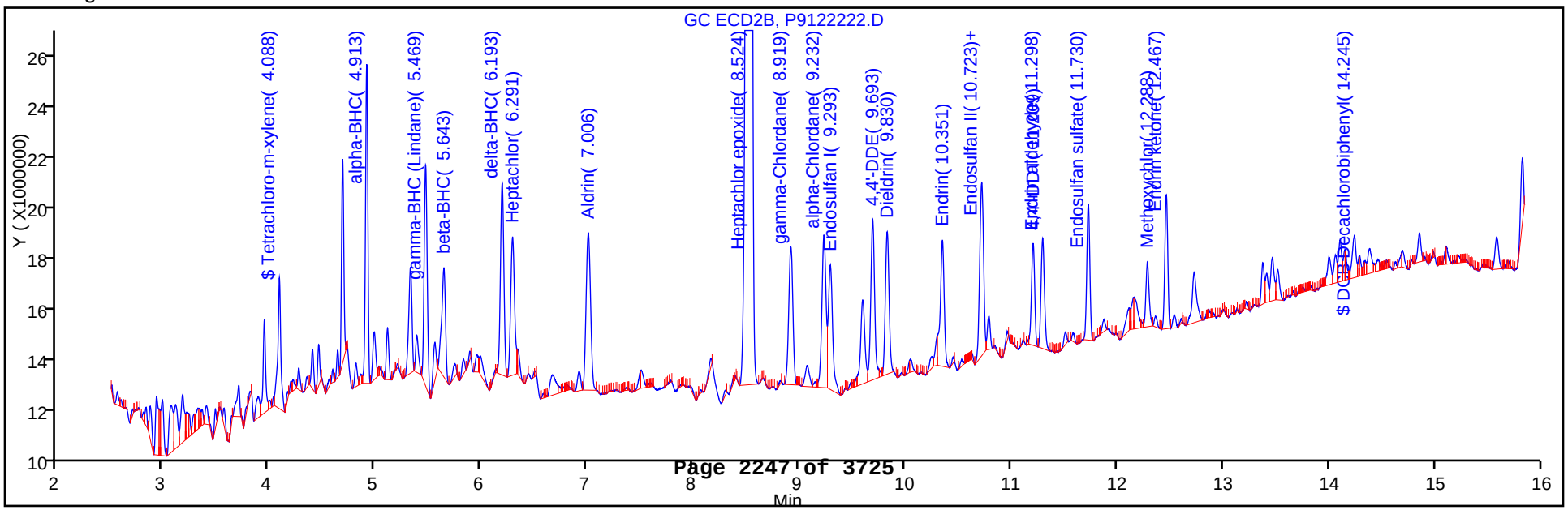
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122222.D

Injection Date:	22-Dec-2012 20:04:27	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	22
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

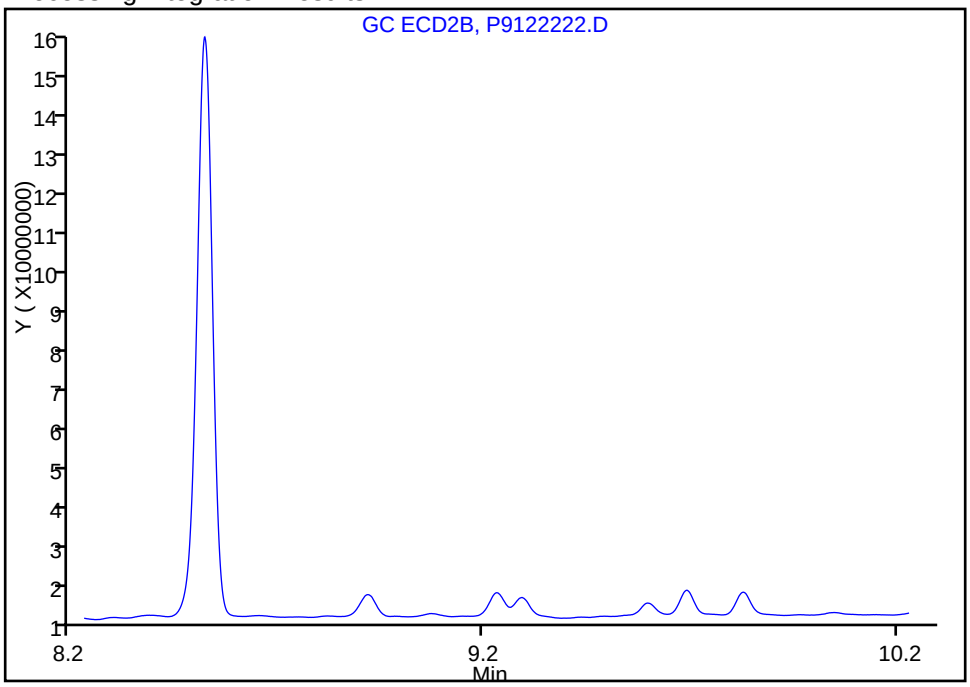
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122222.D		
Injection Date:	22-Dec-2012 20:04:27	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	22
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 alpha-Chlordane, Signal: 2, Type: quant, RT: 9.23, Det: GC ecd2b

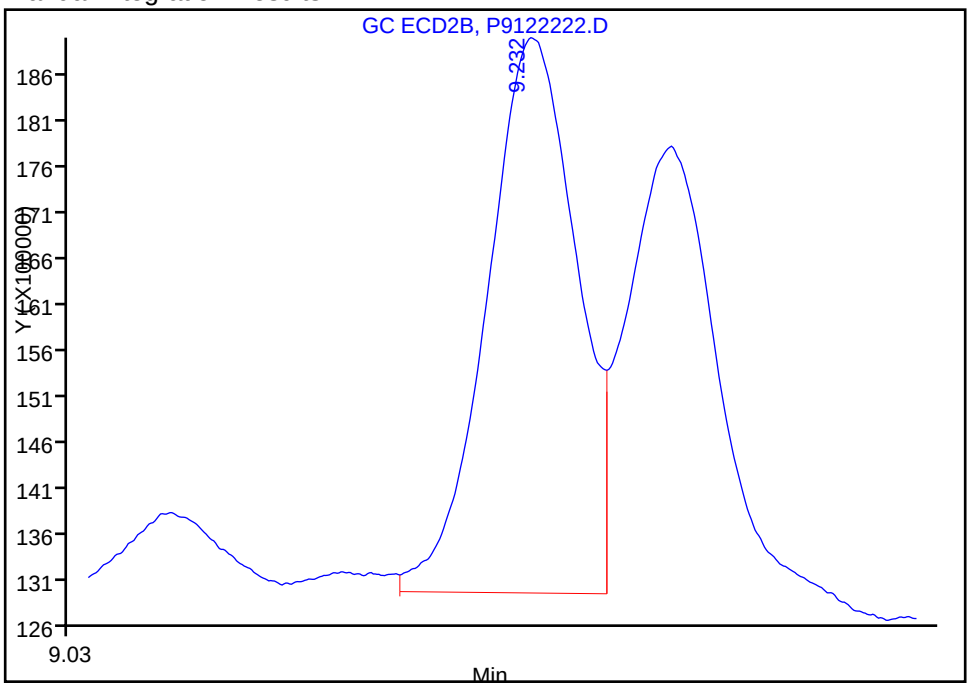
Not Detected
Expected RT: 9.23

Processing Integration Results



Manual Integration Results

RT: 9.23
Response: 16443043
Amount: 0.001858



Reviewer: vandorenc, 03-Jan-2013 06:39:48
Audit Action: Assigned Compound ID
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MSD | Lab Sample ID: 240-18581-1 MSD

Matrix: Solid | Lab File ID: P9122223.D

Analysis Method: 8081/DOD | Date Collected: 12/07/2012 11:45

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:53

Sample wt/vol: 30.16(g) | Date Analyzed: 12/22/2012 20:28

Con. Extract Vol.: 10(mL) | Dilution Factor: 50

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	33	U M J	99	33	31
72-55-9	4,4'-DDE	33.9	J D	85	33	19
50-29-3	4,4'-DDT	33	U J	99	33	31
309-00-2	Aldrin	66	U	200	66	60
319-84-6	alpha-BHC	66	U	120	66	36
5103-71-9	alpha-Chlordane	66	U	150	66	47
319-85-7	beta-BHC	66	U	170	66	55
319-86-8	delta-BHC	66	U	200	66	60
60-57-1	Dieldrin	33.3	J D	85	33	23
959-98-8	Endosulfan I	35.5	J D	85	33	26
33213-65-9	Endosulfan II	66	U M	120	66	41
1031-07-8	Endosulfan sulfate	66	U	150	66	43
72-20-8	Endrin	30.6	J D	85	33	25
7421-93-4	Endrin aldehyde	66	U	150	66	50
53494-70-5	Endrin ketone	31.4	D J	99	33	31
58-89-9	gamma-BHC (Lindane)	66	U	120	66	37
5103-74-2	gamma-Chlordane	33.6	J D	85	33	21
76-44-8	Heptachlor	66	U	170	66	55
1024-57-3	Heptachlor epoxide	66	U J	120	66	40
72-43-5	Methoxychlor	160	U	250	160	75
8001-35-2	Toxaphene	990	U	3300	990	940

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	92	M	55-130
877-09-8	Tetrachloro-m-xylene	177	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122223.D
Lims ID: 240-18581-M-1-J MSD
Client ID: 070SB-0042M-0002-SO
Inject. Date: 22-Dec-2012 20:28:40
Dil. Factor: 50.0000
Sample Type: MSD
Sample ID: 240-0016122-023
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 23
Lims Batch ID: 69893
Lims Sample ID: 23
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m
Last Update: 03-Jan-2013 07:24:17
Calib Date: 22-Dec-2012 17:38:19
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK036

First Level Reviewer: vandorenc
Date: 03-Jan-2013 06:42:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.503	3.499	0.004	1926545	0.000709			
2	100	4.090	4.089	0.001	12169272	0.001387			
						RPD = 64.73			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	7093945	0.001862			
2	100	4.914	4.913	0.001	23297239	0.001768			
						RPD = 5.18			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	5636239	0.001809			
2	100	5.471	5.467	0.004	21034757	0.002017			
						RPD = 10.85			
7 beta-BHC									
1	100	4.687	4.689	-0.002	3863409	0.002847			
2	100	5.643	5.643	0.000	13561717	0.003109			
						RPD = 8.77			
11 delta-BHC									
1	100	4.901	4.902	-0.001	5986572	0.001773			
2	100	6.194	6.192	0.002	23475884	0.002163			
						RPD = 19.79			
22 Heptachlor									
1	100	5.184	5.183	0.001	7082920	0.002581			
2	100	6.292	6.289	0.003	18509411	0.002102			
						RPD = 20.46			
4 Aldrin									
1	100	5.635	5.633	0.002	7524710	0.002116			
2	100	7.007	7.005	0.002	21209766	0.001995			
						RPD = 5.91			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.861	6.860	0.001	5848813	0.002149			E
2	100	8.524	8.492	0.032	2173988305	0.2606			E
						RPD = 196.73			
21 gamma-Chlordane									
1	100	7.165	7.166	-0.001	6203779	0.002025			
2	100	8.922	8.919	0.003	17829073	0.001996			
						RPD = 1.44			
6 alpha-Chlordane									
1	100	7.517	7.516	0.001	6268061	0.001985			
2	100	9.232	9.232	0.000	18801565	0.002125			
						RPD = 6.81			
14 Endosulfan I									
1	100	7.794	7.794	0.000	5479331	0.002141			
2	100	9.294	9.294	0.000	15995542	0.002242			
						RPD = 4.61			
2 4,4'-DDE									
1	100	7.897	7.899	-0.002	6766915	0.002047			
2	100	9.692	9.694	-0.002	16253825	0.001880			
						RPD = 8.48			
13 Dieldrin									
1	100	8.359	8.361	-0.002	5340755	0.002012			
2	100	9.832	9.829	0.003	16583190	0.002091			
						RPD = 3.87			
17 Endrin									
1	100	8.820	8.818	0.002	4517805	0.001849			
2	100	10.354	10.351	0.003	14393982	0.002043			
						RPD = 10.00			
1 4,4'-DDD									M
1	100	9.182	9.185	-0.003	3011572	0.001593			M
2	100	10.723	10.724	-0.001	20899959	0.001687			
						RPD = 5.73			
15 Endosulfan II									M
1	100	9.271	9.269	0.002	3569547	0.001413			M
2	100	10.723	10.724	-0.001	20899959	0.001687			
						RPD = 17.71			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100		9.498						
1	2		9.949						
1	3		10.015						
1	4		10.599						
1	5		11.165						
2	100		10.886						
2	2		11.435						
2	3		11.836						
2	4		12.064						
2	5		12.451						
3 4,4'-DDT									
1	100	9.706	9.706	0.000	3395591	0.001809			
2	100	11.208	11.209	-0.001	9927874	0.002128			
						RPD = 16.20			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	3147490	0.001712			
2	100	11.298	11.297	0.001	11573359	0.002204			
						RPD = 25.13			
27 Methoxychlor									
1	100	10.657	10.659	-0.002	1824601	0.002078			
2	100	12.288	12.288	0.000	5544777	0.002400			
						RPD = 14.36			
16 Endosulfan sulfate									
1	100	10.789	10.789	0.000	4744635	0.002120			
2	100	11.729	11.730	-0.001	12935769	0.002036			
						RPD = 4.04			
19 Endrin ketone									
1	100	11.190	11.188	0.002	4430632	0.001892			
2	100	12.467	12.467	0.000	12372560	0.001978			
						RPD = 4.45			
$ 10 DCB Decachlorobiphenyl									
1	100	12.803	12.802	0.001	943414	0.000370			7M
2	100	14.243	14.247	-0.004	2525601	0.000372			7
						RPD = 0.60			

LOD = 0.000500

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

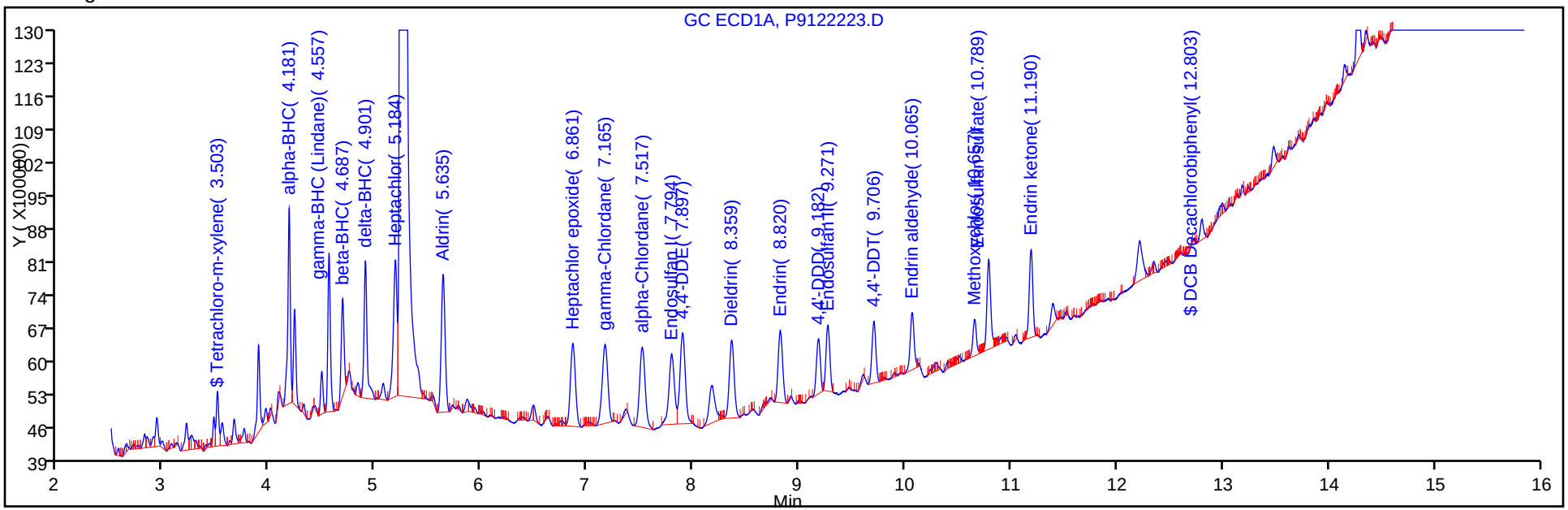
Report Date: 03-Jan-2013 07:24:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

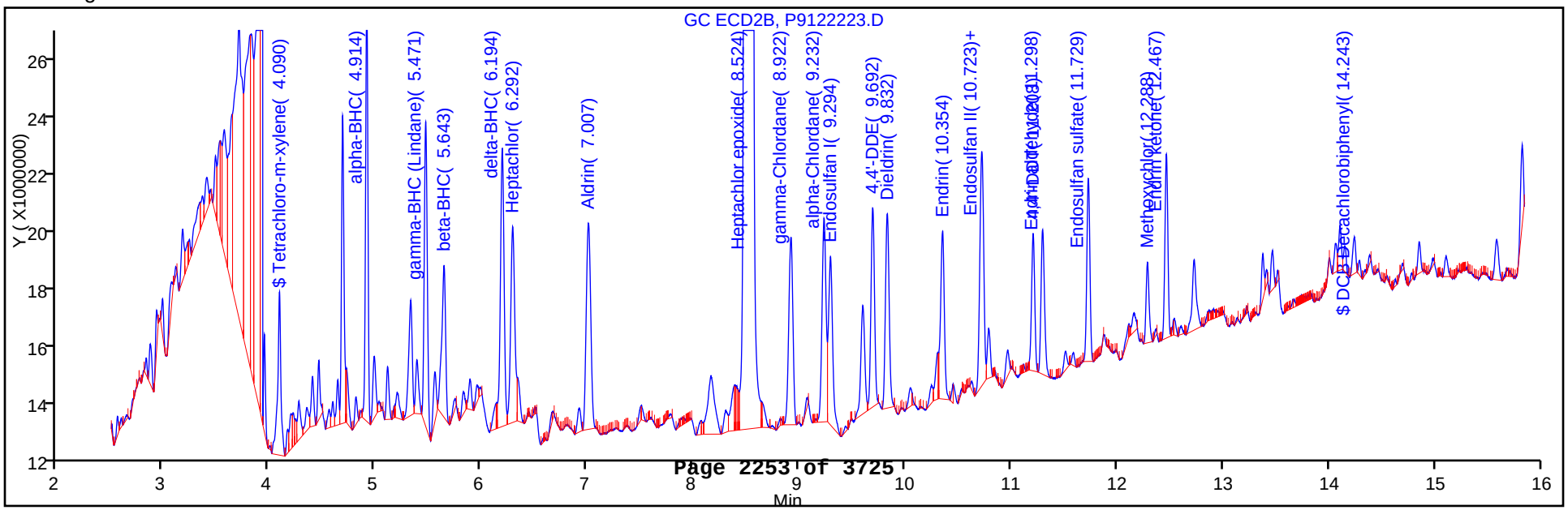
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122223.D

Injection Date:	22-Dec-2012 20:28:40	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	23
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

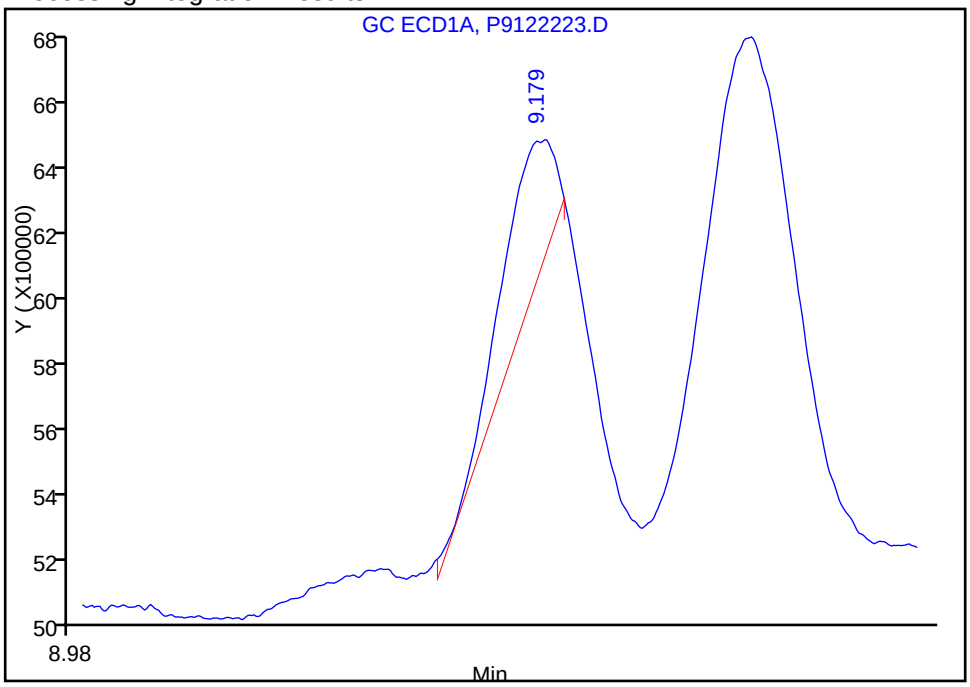
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122223.D		
Injection Date:	22-Dec-2012 20:28:40	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	23
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

1 4,4'-DDD, Signal: 1, Type: quant, RT: 9.18, Det: GC ECD1A

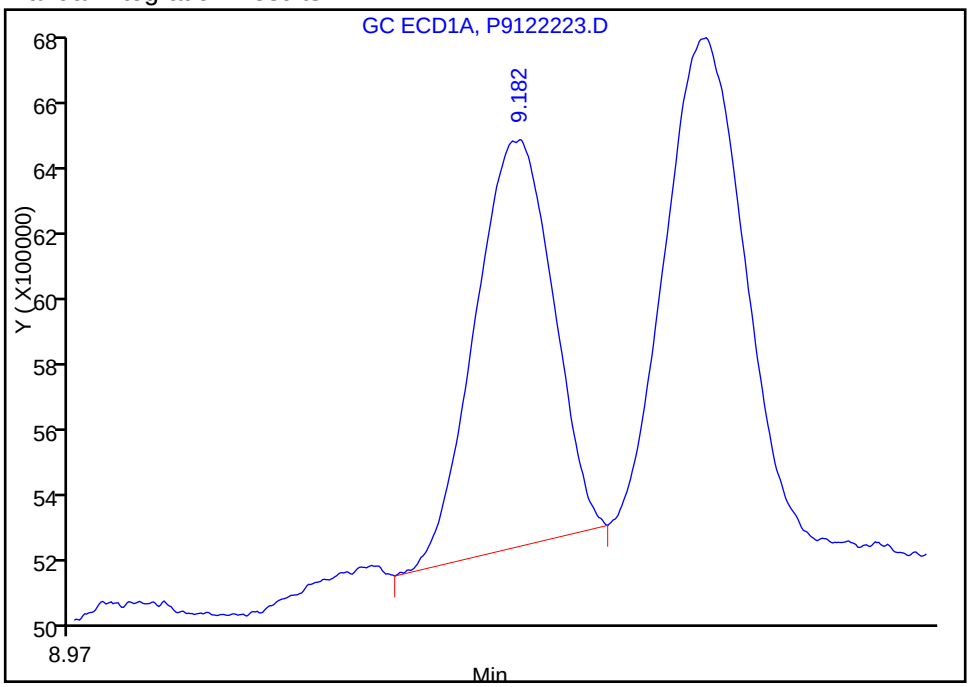
Processing Integration Results

RT: 9.18
Response: 662717
Amount: 0.000351



Manual Integration Results

RT: 9.18
Response: 3011572
Amount: 0.001593



Reviewer: vandorenc, 03-Jan-2013 06:42:29
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

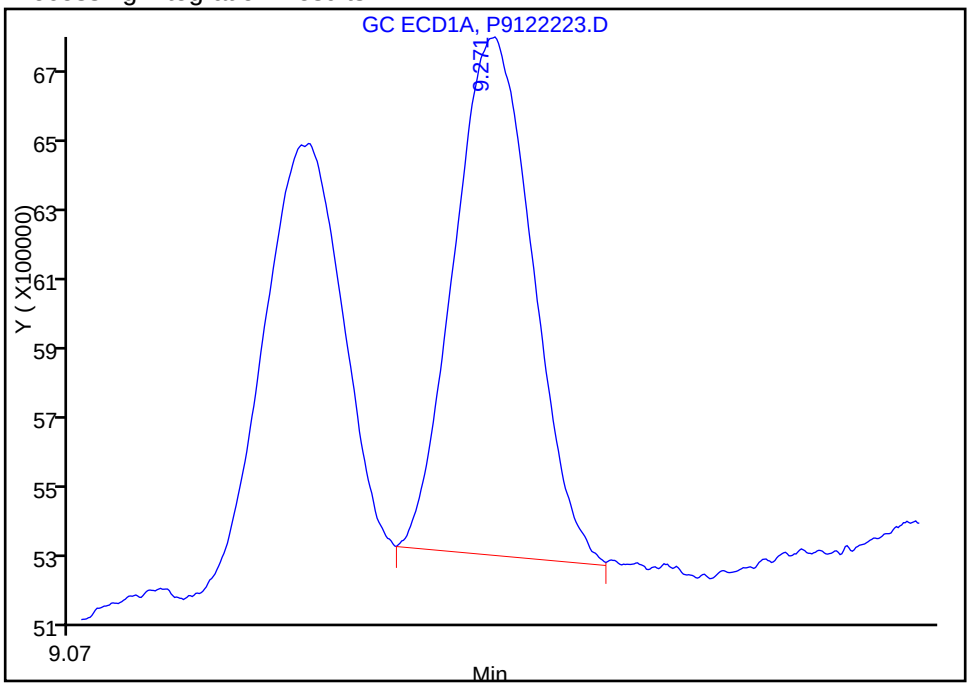
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122223.D		
Injection Date:	22-Dec-2012 20:28:40	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	23
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

15 Endosulfan II, Signal: 1, Type: quant, RT: 9.27, Det: GC ECD1A

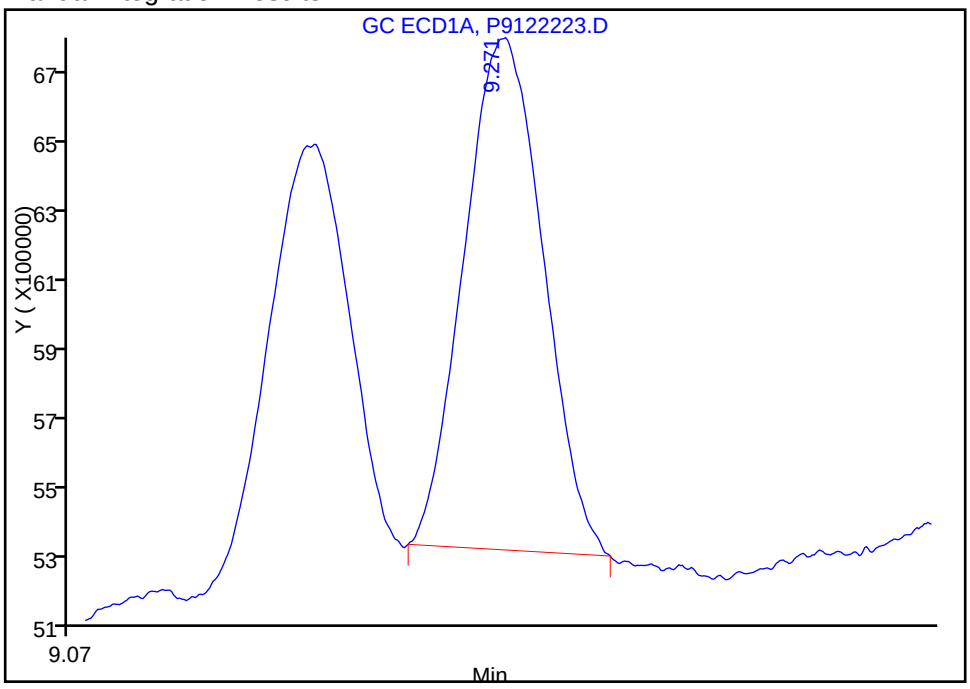
Processing Integration Results

RT: 9.27
Response: 3676446
Amount: 0.001455



Manual Integration Results

RT: 9.27
Response: 3569547
Amount: 0.001413



Reviewer: vandorenc, 03-Jan-2013 06:42:29
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MSD Lab Sample ID: 240-18581-1 MSD

Matrix: Solid Lab File ID: P9122223.D

Analysis Method: 8081/DOD Date Collected: 12/07/2012 11:45

Extraction Method: 3540C Date Extracted: 12/19/2012 12:53

Sample wt/vol: 30.16(g) Date Analyzed: 12/22/2012 20:28

Con. Extract Vol.: 10(mL) Dilution Factor: 50

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69893 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	93		55-130
877-09-8	Tetrachloro-m-xylene	347	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122223.D		
Lims ID:	240-18581-M-1-J MSD	Client ID:	070SB-0042M-0002-SO
Inject. Date:	22-Dec-2012 20:28:40	Dil. Factor:	50.0000
Sample Type:	MSD		
Sample ID:	240-0016122-023		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	69893	Lims Sample ID:	23
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\PEST9.m		
Last Update:	03-Jan-2013 07:24:17	Calib Date:	22-Dec-2012 17:38:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122216.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK036		
First Level Reviewer: vandorenc		Date:	03-Jan-2013 06:42:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.503	3.499	0.004	1926545	0.000709			
2	100	4.090	4.089	0.001	12169272	0.001387			
						RPD = 64.73			
5 alpha-BHC									
1	100	4.181	4.182	-0.001	7093945	0.001862			
2	100	4.914	4.913	0.001	23297239	0.001768			
						RPD = 5.18			
20 gamma-BHC (Lindane)									
1	100	4.557	4.557	0.000	5636239	0.001809			
2	100	5.471	5.467	0.004	21034757	0.002017			
						RPD = 10.85			
7 beta-BHC									
1	100	4.687	4.689	-0.002	3863409	0.002847			
2	100	5.643	5.643	0.000	13561717	0.003109			
						RPD = 8.77			
11 delta-BHC									
1	100	4.901	4.902	-0.001	5986572	0.001773			
2	100	6.194	6.192	0.002	23475884	0.002163			
						RPD = 19.79			
22 Heptachlor									
1	100	5.184	5.183	0.001	7082920	0.002581			
2	100	6.292	6.289	0.003	18509411	0.002102			
						RPD = 20.46			
4 Aldrin									
1	100	5.635	5.633	0.002	7524710	0.002116			
2	100	7.007	7.005	0.002	21209766	0.001995			
						RPD = 5.91			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.861	6.860	0.001	5848813	0.002149			E
2	100	8.524	8.492	0.032	2173988305	0.2606			E
						RPD = 196.73			
21 gamma-Chlordane									
1	100	7.165	7.166	-0.001	6203779	0.002025			
2	100	8.922	8.919	0.003	17829073	0.001996			
						RPD = 1.44			
6 alpha-Chlordane									
1	100	7.517	7.516	0.001	6268061	0.001985			
2	100	9.232	9.232	0.000	18801565	0.002125			
						RPD = 6.81			
14 Endosulfan I									
1	100	7.794	7.794	0.000	5479331	0.002141			
2	100	9.294	9.294	0.000	15995542	0.002242			
						RPD = 4.61			
2 4,4'-DDE									
1	100	7.897	7.899	-0.002	6766915	0.002047			
2	100	9.692	9.694	-0.002	16253825	0.001880			
						RPD = 8.48			
13 Dieldrin									
1	100	8.359	8.361	-0.002	5340755	0.002012			
2	100	9.832	9.829	0.003	16583190	0.002091			
						RPD = 3.87			
17 Endrin									
1	100	8.820	8.818	0.002	4517805	0.001849			
2	100	10.354	10.351	0.003	14393982	0.002043			
						RPD = 10.00			
1 4,4'-DDD									M
1	100	9.182	9.185	-0.003	3011572	0.001593			M
2	100	10.723	10.724	-0.001	20899959	0.001687			
						RPD = 5.73			
15 Endosulfan II									M
1	100	9.271	9.269	0.002	3569547	0.001413			M
2	100	10.723	10.724	-0.001	20899959	0.001687			
						RPD = 17.71			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100		9.498						
1	2		9.949						
1	3		10.015						
1	4		10.599						
1	5		11.165						
2	100		10.886						
2	2		11.435						
2	3		11.836						
2	4		12.064						
2	5		12.451						
3 4,4'-DDT									
1	100	9.706	9.706	0.000	3395591	0.001809			
2	100	11.208	11.209	-0.001	9927874	0.002128			
						RPD = 16.20			
18 Endrin aldehyde									
1	100	10.065	10.065	0.000	3147490	0.001712			
2	100	11.298	11.297	0.001	11573359	0.002204			
						RPD = 25.13			
27 Methoxychlor									
1	100	10.657	10.659	-0.002	1824601	0.002078			
2	100	12.288	12.288	0.000	5544777	0.002400			
						RPD = 14.36			
16 Endosulfan sulfate									
1	100	10.789	10.789	0.000	4744635	0.002120			
2	100	11.729	11.730	-0.001	12935769	0.002036			
						RPD = 4.04			
19 Endrin ketone									
1	100	11.190	11.188	0.002	4430632	0.001892			
2	100	12.467	12.467	0.000	12372560	0.001978			
						RPD = 4.45			
$ 10 DCB Decachlorobiphenyl									
1	100	12.803	12.802	0.001	943414	0.000370			7M
2	100	14.243	14.247	-0.004	2525601	0.000372			7
						RPD = 0.60			

LOD = 0.000500

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

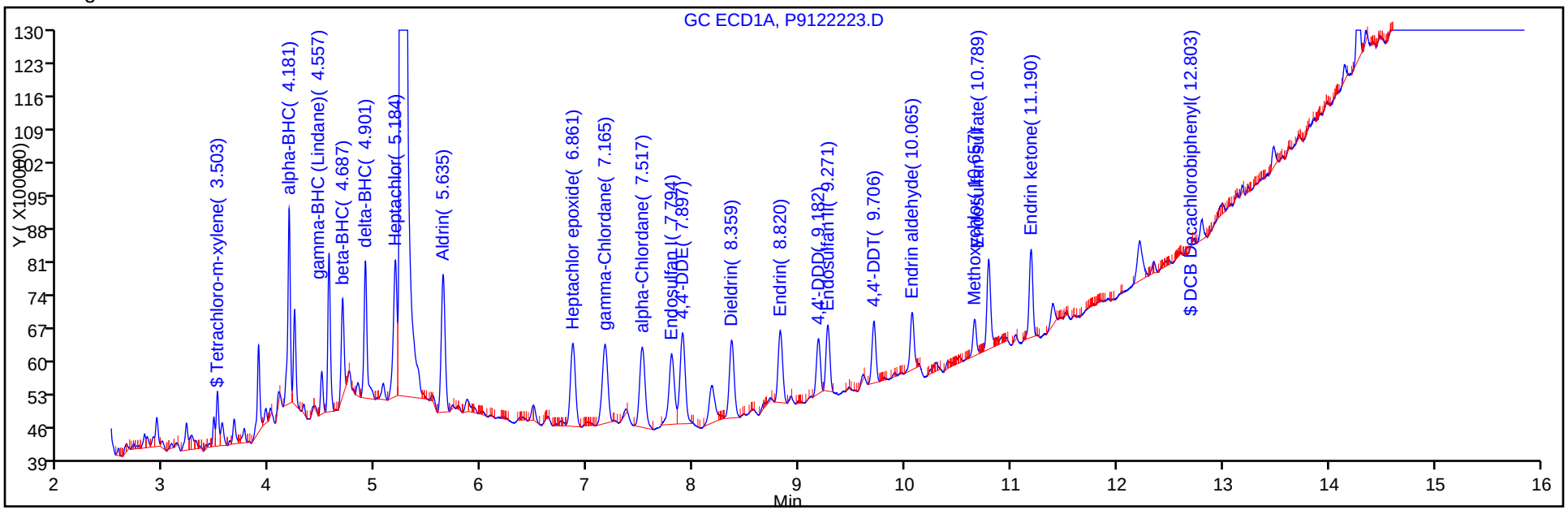
Report Date: 03-Jan-2013 07:24:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

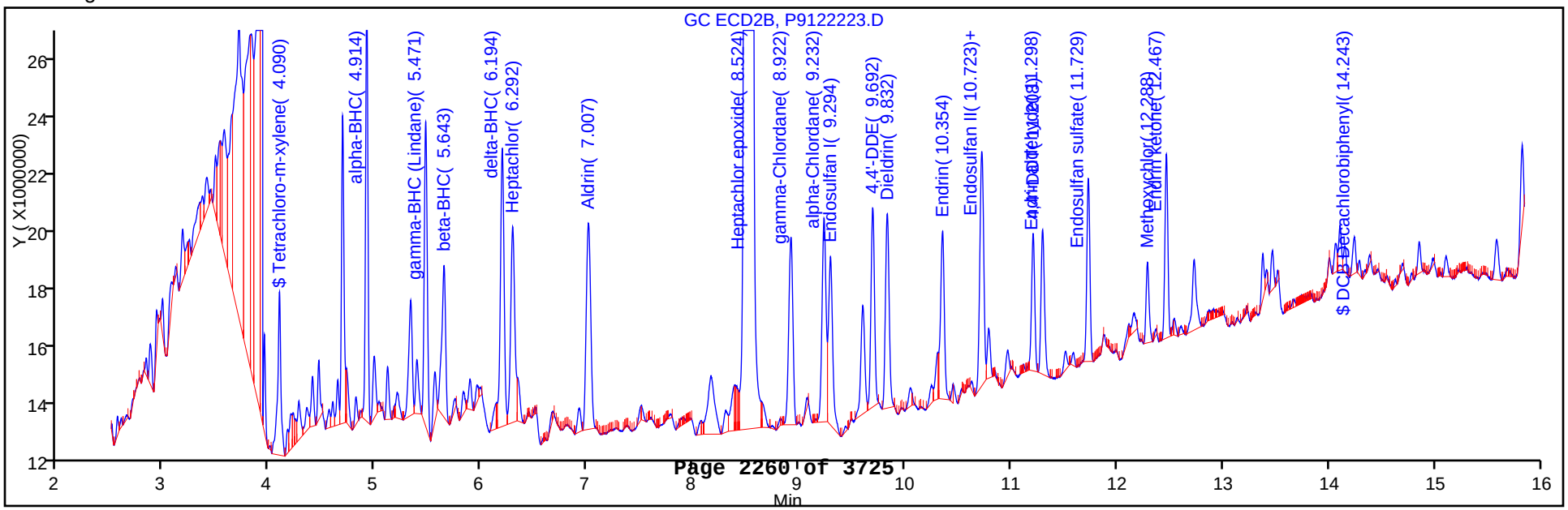
Data File: \\Ncchrom\ChromData\A2HP9\20121222-16122.b\P9122223.D

Injection Date:	22-Dec-2012 20:28:40	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	A2HP9
Lims Batch ID:	69893	Lims Sample ID:	23
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP9 Start Date: 12/06/2012 10:20

Analysis Batch Number: 67554 End Date: 12/06/2012 23:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-67554/4		12/06/2012 10:20	1		CLP-1 0.53(mm)
PEM 240-67554/4		12/06/2012 10:20	1		CLP-2 0.53(mm)
STD 240-67554/5 IC		12/06/2012 10:48	1		CLP-1 0.53(mm)
STD 240-67554/5 IC		12/06/2012 10:48	1		CLP-2 0.53(mm)
STD 240-67554/6 IC		12/06/2012 11:16	1		CLP-1 0.53(mm)
STD 240-67554/6 IC		12/06/2012 11:16	1		CLP-2 0.53(mm)
STD 240-67554/7 ICRT		12/06/2012 11:44	1		CLP-1 0.53(mm)
STD 240-67554/7 ICRT		12/06/2012 11:44	1		CLP-2 0.53(mm)
STD 240-67554/8 IC		12/06/2012 12:12	1		CLP-1 0.53(mm)
STD 240-67554/8 IC		12/06/2012 12:12	1		CLP-2 0.53(mm)
STD 240-67554/9 IC		12/06/2012 12:40	1		CLP-1 0.53(mm)
STD 240-67554/9 IC		12/06/2012 12:40	1		CLP-2 0.53(mm)
STD 240-67554/10 IC		12/06/2012 13:08	1		CLP-1 0.53(mm)
STD 240-67554/10 IC		12/06/2012 13:08	1		CLP-2 0.53(mm)
ICV 240-67554/11		12/06/2012 13:33	1		CLP-1 0.53(mm)
ICV 240-67554/11		12/06/2012 13:33	1		CLP-2 0.53(mm)
STD 240-67554/12 IC		12/06/2012 13:58	1	P9120612.D	CLP-1 0.53(mm)
STD 240-67554/12 IC		12/06/2012 13:58	1	P9120612.D	CLP-2 0.53(mm)
STD 240-67554/13 IC		12/06/2012 14:24	1	P9120613.D	CLP-1 0.53(mm)
STD 240-67554/13 IC		12/06/2012 14:24	1	P9120613.D	CLP-2 0.53(mm)
STD 240-67554/14 IC		12/06/2012 14:52	1	P9120614.D	CLP-1 0.53(mm)
STD 240-67554/14 IC		12/06/2012 14:52	1	P9120614.D	CLP-2 0.53(mm)
STD 240-67554/15 IC		12/06/2012 15:20	1	P9120615.D	CLP-1 0.53(mm)
STD 240-67554/15 IC		12/06/2012 15:20	1	P9120615.D	CLP-2 0.53(mm)
STD 240-67554/16 IC		12/06/2012 15:48	1	P9120616.D	CLP-1 0.53(mm)
STD 240-67554/16 IC		12/06/2012 15:48	1	P9120616.D	CLP-2 0.53(mm)
ICV 240-67554/17		12/06/2012 16:16	1	P9120617.D	CLP-1 0.53(mm)
ICV 240-67554/17		12/06/2012 16:16	1	P9120617.D	CLP-2 0.53(mm)
STD 240-67554/18 IC		12/06/2012 16:43	1		CLP-1 0.53(mm)
STD 240-67554/18 IC		12/06/2012 16:43	1		CLP-2 0.53(mm)
STD 240-67554/19 IC		12/06/2012 17:11	1		CLP-1 0.53(mm)
STD 240-67554/19 IC		12/06/2012 17:11	1		CLP-2 0.53(mm)
STD 240-67554/20 IC		12/06/2012 17:39	1		CLP-1 0.53(mm)
STD 240-67554/20 IC		12/06/2012 17:39	1		CLP-2 0.53(mm)
STD 240-67554/21 IC		12/06/2012 18:08	1		CLP-1 0.53(mm)
STD 240-67554/21 IC		12/06/2012 18:08	1		CLP-2 0.53(mm)
STD 240-67554/22 IC		12/06/2012 18:34	1		CLP-1 0.53(mm)
STD 240-67554/22 IC		12/06/2012 18:34	1		CLP-2 0.53(mm)
ICV 240-67554/23		12/06/2012 18:58	1		CLP-1 0.53(mm)
ICV 240-67554/23		12/06/2012 18:58	1		CLP-2 0.53(mm)
PEM 240-67554/34		12/06/2012 23:38	1		CLP-1 0.53(mm)
PEM 240-67554/34		12/06/2012 23:38	1		CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP9 Start Date: 12/22/2012 12:44

Analysis Batch Number: 69893 End Date: 12/23/2012 13:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-69893/4		12/22/2012 12:44	1	P9122204.D	CLP-1 0.53(mm)
PEM 240-69893/4		12/22/2012 12:44	1	P9122204.D	CLP-2 0.53(mm)
STD 240-69893/5 IC		12/22/2012 13:11	1	P9122205.D	CLP-1 0.53(mm)
STD 240-69893/5 IC		12/22/2012 13:11	1	P9122205.D	CLP-2 0.53(mm)
STD 240-69893/6 IC		12/22/2012 13:36	1	P9122206.D	CLP-1 0.53(mm)
STD 240-69893/6 IC		12/22/2012 13:36	1	P9122206.D	CLP-2 0.53(mm)
STD 240-69893/7 ICRT		12/22/2012 14:00	1	P9122207.D	CLP-1 0.53(mm)
STD 240-69893/7 ICRT		12/22/2012 14:00	1	P9122207.D	CLP-2 0.53(mm)
STD 240-69893/8 IC		12/22/2012 14:25	1	P9122208.D	CLP-1 0.53(mm)
STD 240-69893/8 IC		12/22/2012 14:25	1	P9122208.D	CLP-2 0.53(mm)
STD 240-69893/9 IC		12/22/2012 14:49	1	P9122209.D	CLP-1 0.53(mm)
STD 240-69893/9 IC		12/22/2012 14:49	1	P9122209.D	CLP-2 0.53(mm)
STD 240-69893/10 IC		12/22/2012 15:13	1	P9122210.D	CLP-1 0.53(mm)
STD 240-69893/10 IC		12/22/2012 15:13	1	P9122210.D	CLP-2 0.53(mm)
ICV 240-69893/11		12/22/2012 15:37	1	P9122211.D	CLP-1 0.53(mm)
ICV 240-69893/11		12/22/2012 15:37	1	P9122211.D	CLP-2 0.53(mm)
STD 240-69893/12 IC		12/22/2012 16:01	1		CLP-1 0.53(mm)
STD 240-69893/12 IC		12/22/2012 16:01	1		CLP-2 0.53(mm)
STD 240-69893/13 IC		12/22/2012 16:25	1		CLP-1 0.53(mm)
STD 240-69893/13 IC		12/22/2012 16:25	1		CLP-2 0.53(mm)
STD 240-69893/14 ICRT		12/22/2012 16:49	1		CLP-1 0.53(mm)
STD 240-69893/14 ICRT		12/22/2012 16:49	1		CLP-2 0.53(mm)
STD 240-69893/15 IC		12/22/2012 17:14	1		CLP-1 0.53(mm)
STD 240-69893/15 IC		12/22/2012 17:14	1		CLP-2 0.53(mm)
STD 240-69893/16 IC		12/22/2012 17:38	1		CLP-1 0.53(mm)
STD 240-69893/16 IC		12/22/2012 17:38	1		CLP-2 0.53(mm)
ICV 240-69893/17		12/22/2012 18:02	1		CLP-1 0.53(mm)
ICV 240-69893/17		12/22/2012 18:02	1		CLP-2 0.53(mm)
CCV 240-69893/18		12/22/2012 18:27	1	P9122218.D	CLP-1 0.53(mm)
CCV 240-69893/18		12/22/2012 18:27	1	P9122218.D	CLP-2 0.53(mm)
MRL 240-69893/19		12/22/2012 18:51	1	P9122219.D	CLP-1 0.53(mm)
MRL 240-69893/19		12/22/2012 18:51	1	P9122219.D	CLP-2 0.53(mm)
LCS 240-69426/7-A		12/22/2012 19:15	1	P9122220.D	CLP-1 0.53(mm)
LCS 240-69426/7-A		12/22/2012 19:15	1	P9122220.D	CLP-2 0.53(mm)
240-18581-1	070SB-0042M-0001-SO	12/22/2012 19:40	50	P9122221.D	CLP-1 0.53(mm)
240-18581-1	070SB-0042M-0001-SO	12/22/2012 19:40	50	P9122221.D	CLP-2 0.53(mm)
240-18581-1 MS	070SB-0042M-0001-SO MS	12/22/2012 20:04	50	P9122222.D	CLP-1 0.53(mm)
240-18581-1 MS	070SB-0042M-0001-SO MS	12/22/2012 20:04	50	P9122222.D	CLP-2 0.53(mm)
240-18581-1 MSD	070SB-0042M-0001-SO MSD	12/22/2012 20:28	50	P9122223.D	CLP-1 0.53(mm)
240-18581-1 MSD	070SB-0042M-0001-SO MSD	12/22/2012 20:28	50	P9122223.D	CLP-2 0.53(mm)
ZZZZZ		12/22/2012 20:52	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 20:52	1		CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP9 Start Date: 12/22/2012 12:44

Analysis Batch Number: 69893 End Date: 12/23/2012 13:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/22/2012 21:18	5		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 21:18	5		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 21:42	5		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 21:42	5		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 22:07	5		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 22:07	5		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 22:31	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 22:31	1		CLP-2 0.53(mm)
MB 240-69426/6-A		12/22/2012 22:56	1	P9122229.D	CLP-1 0.53(mm)
MB 240-69426/6-A		12/22/2012 22:56	1	P9122229.D	CLP-2 0.53(mm)
PEM 240-69893/30		12/22/2012 23:20	1		CLP-1 0.53(mm)
PEM 240-69893/30		12/22/2012 23:20	1		CLP-2 0.53(mm)
CCV 240-69893/31		12/22/2012 23:44	1	P9122231.D	CLP-1 0.53(mm)
CCV 240-69893/31		12/22/2012 23:44	1	P9122231.D	CLP-2 0.53(mm)
ZZZZZ		12/23/2012 00:59	1		CLP-1 0.53(mm)
ZZZZZ		12/23/2012 00:59	1		CLP-2 0.53(mm)
ZZZZZ		12/23/2012 01:23	1		CLP-1 0.53(mm)
ZZZZZ		12/23/2012 01:23	1		CLP-2 0.53(mm)
CCV 240-69893/42		12/23/2012 04:13	1		CLP-1 0.53(mm)
CCV 240-69893/42		12/23/2012 04:13	1		CLP-2 0.53(mm)
MRL 240-69893/43		12/23/2012 04:37	1	P9122243.D	CLP-1 0.53(mm)
MRL 240-69893/43		12/23/2012 04:37	1	P9122243.D	CLP-2 0.53(mm)
CCV 240-69893/60		12/23/2012 11:33	1	P9122260.D	CLP-1 0.53(mm)
CCV 240-69893/60		12/23/2012 11:33	1	P9122260.D	CLP-2 0.53(mm)
CCV 240-69893/61		12/23/2012 11:59	1		CLP-1 0.53(mm)
CCV 240-69893/61		12/23/2012 11:59	1		CLP-2 0.53(mm)
CCV 240-69893/62		12/23/2012 12:23	1		CLP-1 0.53(mm)
CCV 240-69893/62		12/23/2012 12:23	1		CLP-2 0.53(mm)
CCV 240-69893/63		12/23/2012 12:48	1		CLP-1 0.53(mm)
CCV 240-69893/63		12/23/2012 12:48	1		CLP-2 0.53(mm)
CCV 240-69893/64		12/23/2012 13:12	1		CLP-1 0.53(mm)
CCV 240-69893/64		12/23/2012 13:12	1		CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP9 Start Date: 01/03/2013 16:18

Analysis Batch Number: 71028 End Date: 01/04/2013 10:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-71028/4		01/03/2013 16:18	1		CLP-1 0.53(mm)
PEM 240-71028/4		01/03/2013 16:18	1		CLP-2 0.53(mm)
CCV 240-71028/5 CCVRT		01/03/2013 16:46	1	P9010305.D	CLP-1 0.53(mm)
CCV 240-71028/5 CCVRT		01/03/2013 16:46	1	P9010305.D	CLP-2 0.53(mm)
CCV 240-71028/6		01/03/2013 17:14	1	P9010306.D	CLP-1 0.53(mm)
CCV 240-71028/6		01/03/2013 17:14	1	P9010306.D	CLP-2 0.53(mm)
ZZZZZ		01/03/2013 18:05	1		CLP-1 0.53(mm)
ZZZZZ		01/03/2013 18:05	1		CLP-2 0.53(mm)
ZZZZZ		01/03/2013 18:29	5		CLP-1 0.53(mm)
ZZZZZ		01/03/2013 18:29	5		CLP-2 0.53(mm)
ZZZZZ		01/03/2013 18:54	10		CLP-1 0.53(mm)
ZZZZZ		01/03/2013 18:54	10		CLP-2 0.53(mm)
CCV 240-71028/12		01/03/2013 19:46	1		CLP-1 0.53(mm)
CCV 240-71028/12		01/03/2013 19:46	1		CLP-2 0.53(mm)
CCV 240-71028/13		01/03/2013 20:11	1		CLP-1 0.53(mm)
CCV 240-71028/13		01/03/2013 20:11	1		CLP-2 0.53(mm)
MRL 240-71028/14		01/03/2013 20:35	1	P9010314.D	CLP-1 0.53(mm)
MRL 240-71028/14		01/03/2013 20:35	1	P9010314.D	CLP-2 0.53(mm)
PEM 240-71028/29		01/04/2013 02:51	1	P9010329.D	CLP-1 0.53(mm)
PEM 240-71028/29		01/04/2013 02:51	1	P9010329.D	CLP-2 0.53(mm)
CCV 240-71028/41		01/04/2013 07:54	1	P9010341.D	CLP-1 0.53(mm)
CCV 240-71028/41		01/04/2013 07:54	1	P9010341.D	CLP-2 0.53(mm)
240-18581-3	070SB-044M-0001-SO	01/04/2013 08:21	50	P9010342.D	CLP-1 0.53(mm)
240-18581-3	070SB-044M-0001-SO	01/04/2013 08:21	50	P9010342.D	CLP-2 0.53(mm)
240-18581-5	070SB-046M-0001-SO	01/04/2013 08:48	50	P9010343.D	CLP-1 0.53(mm)
240-18581-5	070SB-046M-0001-SO	01/04/2013 08:48	50	P9010343.D	CLP-2 0.53(mm)
CCV 240-71028/44		01/04/2013 09:43	1	P9010345.D	CLP-1 0.53(mm)
CCV 240-71028/44		01/04/2013 09:43	1	P9010345.D	CLP-2 0.53(mm)
CCV 240-71028/45		01/04/2013 10:11	1	P9010346.D	CLP-1 0.53(mm)
CCV 240-71028/45		01/04/2013 10:11	1	P9010346.D	CLP-2 0.53(mm)
MRL 240-71028/46		01/04/2013 10:38	1	P9010347.D	CLP-1 0.53(mm)
MRL 240-71028/46		01/04/2013 10:38	1	P9010347.D	CLP-2 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69426 Batch Start Date: 12/19/12 15:35 Batch Analyst: Earle, Steve

Batch Method: 3540C Batch End Date: 12/20/12 07:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX2/.2SURRW 00020	EXPSTNPDESSPW 00011	AnalysisComment	
240-18581-M-1-A	070SB-0042M-0001-SO	3540C, 8081/DOD	T	30.18 g	10 mL	1 mL		assoc w/69415	
240-18581-M-1-A MS	070SB-0042M-0001-SO	3540C, 8081/DOD	T	29.92 g	10 mL	1 mL	1 mL	assoc w/69415	
240-18581-M-1-A MSD	070SB-0042M-0001-SO	3540C, 8081/DOD	T	30.16 g	10 mL	1 mL	1 mL	assoc w/69415	
240-18581-L-3-A	070SB-044M-0001-SO	3540C, 8081/DOD	T	30.40 g	10 mL	1 mL			
240-18581-K-5-A	070SB-046M-0001-SO	3540C, 8081/DOD	T	30.40 g	10 mL	1 mL			
MB 240-69426/6		3540C, 8081/DOD		30.00 g	10 mL	1 mL		assoc w/69415	
LCS 240-69426/7		3540C, 8081/DOD		30.00 g	10 mL	1 mL	1 mL		

Batch Notes	
Balance ID	b036
Exchange Solvent Lot #	671344
Na2SO4 Lot Number	677243
Prep Solvent Lot #	785984

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8082 DOD

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
070SB-0042M-0001-SO	240-18581-1	70	58	64	60
070SB-044M-0001-SO	240-18581-3	78	67	74	69
070SB-046M-0001-SO	240-18581-5	75	68	76	73
070SB-047M-0001-SO	240-18581-6	71	64	70	70
070SS-0048M-0001-SO	240-18581-17	78	816 Q	85	74
070SB-0049M-0001-SO	240-18581-18	63	59	62	63
070SB-0050M-0001-SO	240-18581-19	81	80	71	71
070SB-0051M-0001-SO	240-18581-20	63	80	67	65
070SB-0052M-0001-SO	240-18581-21	77	70	70	69
070SB-0053M-0001-SO	240-18581-22	85	78	77	77
070SB-0054M-0001-SO	240-18581-23	84	80	78	78
	MB 240-69415/23-A	103	89	87	88
	MB 240-70113/18-A	139	82	76	75
	MB 240-70774/19-A	89	75	76	62
	LCS 240-69415/24-A	85	84	93	120 M
	LCS 240-70113/19-A	71	66	66	62
	LCS 240-70774/18-A	86	76	80	60
070SB-047M-0001-SOMS	240-18581-6 MS	74	67	81	75
070SB-047M-0001-SOMSD	240-18581-6 MSD	63	60	63	59 Q

	QC LIMITS
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	60-125

Column to be used to flag recovery values

FORM II 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCB1 #	DCB2 #	TCX1 #	TCX2 #
	MRL 240-70882/27	0 Q ^	0 Q ^	117	105

	QC LIMITS
DCB = DCB Decachlorobiphenyl	50-150
TCX = Tetrachloro-m-xylene	50-150

Column to be used to flag recovery values

FORM II 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
	MRL 240-69717/10	121	117	106	109
	MRL 240-69717/26	122	115	116	118
	MRL 240-70556/4	120	105	131 Q	119
	MRL 240-70556/27	126	112	104	111
	MRL 240-70882/4	114	99	122	113

	QC LIMITS
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Column to be used to flag recovery values

FORM II 8082/DOD

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P4000024.D

Lab ID: LCS 240-69415/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	333	308	92	40-140	
Aroclor-1260	333	267	80	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P4000025.D

Lab ID: LCS 240-70113/19-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	333	214	64	40-140	
Aroclor-1260	333	215	64	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P4000025.D

Lab ID: LCS 240-70774/18-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	333	267	80	40-140	
Aroclor-1260	333	226	68	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P4000010.D

Lab ID: MRL 240-69717/10 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0614	123	70-130	
Aroclor-1260	0.0500	0.0589	118	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P4000026.D

Lab ID: MRL 240-69717/26 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0597	119	70-130	
Aroclor-1016	0.0500	0.0662	132	70-130	^
Aroclor-1260	0.0500	0.0591	118	70-130	
Aroclor-1260	0.0500	0.0589	118	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P4000004.D

Lab ID: MRL 240-70556/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0552	110	70-130	
Aroclor-1016	0.0500	0.0639	128	70-130	
Aroclor-1260	0.0500	0.0564	113	70-130	
Aroclor-1260	0.0500	0.0622	124	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P4000027.D

Lab ID: MRL 240-70556/27 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0594	119	70-130	
Aroclor-1016	0.0500	0.0675	135	70-130	^
Aroclor-1260	0.0500	0.0581	116	70-130	
Aroclor-1260	0.0500	0.0569	114	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P4000004.D

Lab ID: MRL 240-70882/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0529	106	70-130	
Aroclor-1016	0.0500	0.0596	119	70-130	
Aroclor-1260	0.0500	0.0530	106	70-130	
Aroclor-1260	0.0500	0.0579	116	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P4000027.D

Lab ID: MRL 240-70882/27 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0525	105	70-130	
Aroclor-1016	0.0500	0.0613	123	70-130	
Aroclor-1260	0.0500	0.0459 J	92	70-130	
Aroclor-1260	0.0500	0.0422 J	84	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P4000007.D

Lab ID: 240-18581-6 MS Client ID: 070SB-047M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor-1016	335	25 U	235	70	40-140	H
Aroclor-1260	335	25 U	236	70	60-130	H

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P4000008.D

Lab ID: 240-18581-6 MSD Client ID: 070SB-047M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor-1016	337	204	60	14	30	40-140	H
Aroclor-1260	337	206	61	14	30	60-130	H

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: MB 240-69415/23-A

Matrix: Solid Date Extracted: 12/19/2012 12:21

Lab File ID:(1) P4000018.D Lab File ID:(2) P4000018.D

Date Analyzed:(1) 12/21/2012 10:46 Date Analyzed:(2) 12/21/2012 10:46

Instrument ID:(1) A2HP4 Instrument ID:(2) A2HP4

GC Column:(1) CLP-2 ID: 0.53(mm) GC Column:(2) CLP-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
070SB-0042M-0001-SO	240-18581-1	12/21/2012 08:56	12/21/2012 08:56
070SB-044M-0001-SO	240-18581-3	12/21/2012 09:11	12/21/2012 09:11
070SB-0049M-0001-SO	240-18581-18	12/21/2012 10:14	12/21/2012 10:14
070SB-0050M-0001-SO	240-18581-19	12/21/2012 10:30	12/21/2012 10:30
070SB-0051M-0001-SO	240-18581-20	12/21/2012 11:17	12/21/2012 11:17
070SB-0052M-0001-SO	240-18581-21	12/21/2012 11:33	12/21/2012 11:33
070SB-0053M-0001-SO	240-18581-22	12/21/2012 11:49	12/21/2012 11:49
070SB-0054M-0001-SO	240-18581-23	12/21/2012 12:05	12/21/2012 12:05
	LCS 240-69415/24-A	12/21/2012 12:20	12/21/2012 12:20

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: MB 240-70113/18-A

Matrix: Solid Date Extracted: 12/26/2012 10:28

Lab File ID:(1) P4000014.D Lab File ID:(2) P4000014.D

Date Analyzed:(1) 12/29/2012 22:01 Date Analyzed:(2) 12/29/2012 22:01

Instrument ID:(1) A2HP4 Instrument ID:(2) A2HP4

GC Column:(1) CLP-2 ID: 0.53(mm) GC Column:(2) CLP-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
070SB-046M-0001-SO	240-18581-5	12/29/2012 19:39	12/29/2012 19:39
070SB-047M-0001-SO	240-18581-6	12/29/2012 19:55	12/29/2012 19:55
070SB-047M-0001-SO MS	240-18581-6 MS	12/29/2012 20:10	12/29/2012 20:10
070SB-047M-0001-SO MSD	240-18581-6 MSD	12/29/2012 20:26	12/29/2012 20:26
	LCS 240-70113/19-A	12/30/2012 00:53	12/30/2012 00:53

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: MB 240-70774/19-A

Matrix: Solid Date Extracted: 12/31/2012 13:58

Lab File ID:(1) P4000014.D Lab File ID:(2) P4000014.D

Date Analyzed:(1) 01/02/2013 17:05 Date Analyzed:(2) 01/02/2013 17:05

Instrument ID:(1) A2HP4 Instrument ID:(2) A2HP4

GC Column:(1) CLP-2 ID: 0.53(mm) GC Column:(2) CLP-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
070SS-0048M-0001-SO	240-18581-17	01/02/2013 14:44	01/02/2013 14:44
	LCS 240-70774/18-A	01/02/2013 19:58	01/02/2013 19:58

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-69717/3 Date Analyzed: 12/21/2012 06:50

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N

Calibration ID: 12592

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.27	6.62	
UPPER LIMIT				1.37	6.72	
LOWER LIMIT				1.17	6.52	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-69717/3 CCVRT		12/21/2012 06:50	P4000003.D	1.27	6.62	
240-18581-1	070SB-0042M-0001-SO	12/21/2012 08:56	P4000011.D	1.27	6.62	
240-18581-3	070SB-044M-0001-SO	12/21/2012 09:11	P4000012.D	1.27	6.62	
240-18581-18	070SB-0049M-0001-SO	12/21/2012 10:14	P4000016.D	1.27	6.62	
240-18581-19	070SB-0050M-0001-SO	12/21/2012 10:30	P4000017.D	1.27	6.62	
MB 240-69415/23-A		12/21/2012 10:46	P4000018.D	1.27	6.62	
CCV 240-69717/19		12/21/2012 11:02	P4000019.D	1.27	6.62	
240-18581-20	070SB-0051M-0001-SO	12/21/2012 11:17	P4000020.D	1.27	6.62	
240-18581-21	070SB-0052M-0001-SO	12/21/2012 11:33	P4000021.D	1.27	6.62	
240-18581-22	070SB-0053M-0001-SO	12/21/2012 11:49	P4000022.D	1.27	6.62	
240-18581-23	070SB-0054M-0001-SO	12/21/2012 12:05	P4000023.D	1.27	6.62	
LCS 240-69415/24-A		12/21/2012 12:20	P4000024.D	1.27	6.62	
CCV 240-69717/25		12/21/2012 12:36	P4000025.D	1.27	6.62	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-69717/3 Date Analyzed: 12/21/2012 06:50

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N

Calibration ID: 12593

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.67	7.83	
UPPER LIMIT				1.77	7.93	
LOWER LIMIT				1.57	7.73	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-69717/3 CCVRT		12/21/2012 06:50	P4000003.D	1.67	7.83	
240-18581-1	070SB-0042M-0001-SO	12/21/2012 08:56	P4000011.D	1.67	7.84	
240-18581-3	070SB-044M-0001-SO	12/21/2012 09:11	P4000012.D	1.67	7.83	
240-18581-18	070SB-0049M-0001-SO	12/21/2012 10:14	P4000016.D	1.67	7.84	
240-18581-19	070SB-0050M-0001-SO	12/21/2012 10:30	P4000017.D	1.67	7.84	
MB 240-69415/23-A		12/21/2012 10:46	P4000018.D	1.67	7.83	
CCV 240-69717/19		12/21/2012 11:02	P4000019.D	1.67	7.83	
240-18581-20	070SB-0051M-0001-SO	12/21/2012 11:17	P4000020.D	1.67	7.83	
240-18581-21	070SB-0052M-0001-SO	12/21/2012 11:33	P4000021.D	1.67	7.83	
240-18581-22	070SB-0053M-0001-SO	12/21/2012 11:49	P4000022.D	1.67	7.84	
240-18581-23	070SB-0054M-0001-SO	12/21/2012 12:05	P4000023.D	1.67	7.84	
LCS 240-69415/24-A		12/21/2012 12:20	P4000024.D	1.67	7.83	
CCV 240-69717/25		12/21/2012 12:36	P4000025.D	1.67	7.83	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-70556/3 Date Analyzed: 12/29/2012 19:07

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N

Calibration ID: 12592

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.27	6.62	
UPPER LIMIT				1.37	6.72	
LOWER LIMIT				1.17	6.52	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-70556/3 CCVRT		12/29/2012 19:07	P4000003.D	1.27	6.62	
240-18581-5	070SB-046M-0001-SO	12/29/2012 19:39	P4000005.D	1.27	6.62	
240-18581-6	070SB-047M-0001-SO	12/29/2012 19:55	P4000006.D	1.27	6.62	
240-18581-6 MS	070SB-047M-0001-SO MS	12/29/2012 20:10	P4000007.D	1.27	6.62	
240-18581-6 MSD	070SB-047M-0001-SO MSD	12/29/2012 20:26	P4000008.D	1.27	6.62	
MB 240-70113/18-A		12/29/2012 22:01	P4000014.D	1.27	6.62	
CCV 240-70556/15		12/29/2012 22:16	P4000015.D	1.27	6.62	
LCS 240-70113/19-A		12/30/2012 00:53	P4000025.D	1.27	6.62	
CCV 240-70556/26		12/30/2012 01:09	P4000026.D	1.27	6.62	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-70556/3 Date Analyzed: 12/29/2012 19:07

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N

Calibration ID: 12593

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.67	7.83	
UPPER LIMIT				1.77	7.93	
LOWER LIMIT				1.57	7.73	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-70556/3 CCVRT		12/29/2012 19:07	P4000003.D	1.67	7.83	
240-18581-5	070SB-046M-0001-SO	12/29/2012 19:39	P4000005.D	1.68	7.83	
240-18581-6	070SB-047M-0001-SO	12/29/2012 19:55	P4000006.D	1.67	7.83	
240-18581-6 MS	070SB-047M-0001-SO MS	12/29/2012 20:10	P4000007.D	1.68	7.83	
240-18581-6 MSD	070SB-047M-0001-SO MSD	12/29/2012 20:26	P4000008.D	1.67	7.83	
MB 240-70113/18-A		12/29/2012 22:01	P4000014.D	1.67	7.83	
CCV 240-70556/15		12/29/2012 22:16	P4000015.D	1.67	7.83	
LCS 240-70113/19-A		12/30/2012 00:53	P4000025.D	1.67	7.83	
CCV 240-70556/26		12/30/2012 01:09	P4000026.D	1.67	7.83	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-70882/3 Date Analyzed: 01/02/2013 14:12

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N

Calibration ID: 12592

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.27	6.62	
UPPER LIMIT				1.37	6.72	
LOWER LIMIT				1.17	6.52	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-70882/3 CCVRT		01/02/2013 14:12	P4000003.D	1.27	6.62	
240-18581-17	070SS-0048M-0001-SO	01/02/2013 14:44	P4000005.D	1.25	6.62	
MB 240-70774/19-A		01/02/2013 17:05	P4000014.D	1.27	6.62	
CCV 240-70882/15		01/02/2013 17:21	P4000015.D	1.27	6.62	
LCS 240-70774/18-A		01/02/2013 19:58	P4000025.D	1.27	6.62	
CCV 240-70882/26		01/02/2013 20:14	P4000026.D	1.27	6.62	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-70882/3 Date Analyzed: 01/02/2013 14:12

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N

Calibration ID: 12593

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.67	7.83	
UPPER LIMIT				1.77	7.93	
LOWER LIMIT				1.57	7.73	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-70882/3 CCVRT		01/02/2013 14:12	P4000003.D	1.67	7.83	
240-18581-17	070SS-0048M-0001-SO	01/02/2013 14:44	P4000005.D	1.67	7.83	
MB 240-70774/19-A		01/02/2013 17:05	P4000014.D	1.67	7.83	
CCV 240-70882/15		01/02/2013 17:21	P4000015.D	1.67	7.83	
LCS 240-70774/18-A		01/02/2013 19:58	P4000025.D	1.68	7.83	
CCV 240-70882/26		01/02/2013 20:14	P4000026.D	1.68	7.83	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-047M-0001-SO MS Lab Sample ID: 240-18581-6 MS

Instrument ID (1): A2HP4 Instrument ID (2): A2HP4

Date Analyzed (1): 12/29/2012 20:10 Date Analyzed (2): 12/29/2012 20:10

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.14	2.04	2.24	237	262	10.6
		2	2.53	2.43	2.63	261		
		3	2.98	2.88	3.08	281		
		4	3.12	3.02	3.22	265		
		5	3.22	3.12	3.32	265		
	2	1	1.54	1.44	1.64	230	235	
		2	1.83	1.72	1.92	235		
		3	2.22	2.11	2.31	246		
		4	2.34	2.23	2.43	235		
		5	2.71	2.61	2.81	229		
Aroclor-1260	1	1	4.93	4.83	5.03	253	267	12.5
		2	5.16	5.06	5.26	255		
		3	5.53	5.43	5.63	268		
		4	6.22	6.11	6.31	287		
		5	6.60	6.49	6.69	274		
	2	1	3.91	3.81	4.01	230	236	
		2	4.20	4.10	4.30	233		
		3	4.48	4.38	4.58	238		
		4	5.18	5.08	5.28	246		
		5	5.46	5.36	5.56	232		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-047M-0001-SO MSD Lab Sample ID: 240-18581-6 MSD

Instrument ID (1): A2HP4 Instrument ID (2): A2HP4

Date Analyzed (1): 12/29/2012 20:26 Date Analyzed (2): 12/29/2012 20:26

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.13	2.04	2.24	206	228	11.0
		2	2.53	2.43	2.63	225		
		3	2.98	2.88	3.08	250		
		4	3.12	3.02	3.22	230		
		5	3.22	3.12	3.32	228		
	2	1	1.54	1.44	1.64	193	204	
		2	1.82	1.72	1.92	203		
		3	2.21	2.11	2.31	218		
		4	2.33	2.23	2.43	206		
		5	2.71	2.61	2.81	200		
Aroclor-1260	1	1	4.93	4.83	5.03	218	224	8.2
		2	5.16	5.06	5.26	210		
		3	5.53	5.43	5.63	227		
		4	6.21	6.11	6.31	236		
		5	6.60	6.49	6.69	226		
	2	1	3.91	3.81	4.01	201	206	
		2	4.20	4.10	4.30	204		
		3	4.48	4.38	4.58	207		
		4	5.18	5.08	5.28	211		
		5	5.46	5.36	5.56	208		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-69415/24-A

Instrument ID (1): A2HP4 Instrument ID (2): A2HP4

Date Analyzed (1): 12/21/2012 12:20 Date Analyzed (2): 12/21/2012 12:20

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.14	2.03	2.23	254	308	18.6
		2	2.53	2.43	2.63	308		
		3	2.98	2.88	3.08	294		
		4	3.12	3.02	3.22	379		
		5	3.22	3.12	3.32	306		
	2	1	1.54	1.44	1.64	254	256	
		2	1.82	1.72	1.92	260		
		3	2.22	2.11	2.31	271		
		4	2.34	2.23	2.43	249		
		5	2.71	2.61	2.81	244		
Aroclor-1260	1	1	4.93	4.83	5.03	257	267	9.0
		2	5.16	5.06	5.26	249		
		3	5.53	5.43	5.63	275		
		4	6.22	6.12	6.32	285		
		5	6.60	6.50	6.70	270		
	2	1	3.91	3.81	4.01	249	244	
		2	4.20	4.10	4.30	226		
		3	4.48	4.38	4.58	227		
		4	5.18	5.08	5.28	272		
		5	5.47	5.36	5.56	247		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-70113/19-A

Instrument ID (1): A2HP4 Instrument ID (2): A2HP4

Date Analyzed (1): 12/30/2012 00:53 Date Analyzed (2): 12/30/2012 00:53

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.13	2.03	2.23	210	231	7.7
		2	2.53	2.43	2.63	231		
		3	2.98	2.88	3.08	251		
		4	3.12	3.02	3.22	228		
		5	3.22	3.12	3.32	233		
	2	1	1.54	1.44	1.64	189	214	
		2	1.82	1.72	1.92	214		
		3	2.21	2.11	2.31	229		
		4	2.33	2.23	2.43	223		
		5	2.71	2.61	2.81	215		
Aroclor-1260	1	1	4.93	4.83	5.03	226	224	4.3
		2	5.16	5.06	5.26	225		
		3	5.53	5.43	5.63	230		
		4	6.22	6.11	6.31	229		
		5	6.60	6.50	6.70	210		
	2	1	3.91	3.81	4.01	221	215	
		2	4.20	4.10	4.30	222		
		3	4.48	4.38	4.58	220		
		4	5.18	5.08	5.28	214		
		5	5.46	5.36	5.56	196		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-70774/18-A

Instrument ID (1): A2HP4 Instrument ID (2): A2HP4

Date Analyzed (1): 01/02/2013 19:58 Date Analyzed (2): 01/02/2013 19:58

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.14	2.03	2.23	263	267	3.0
		2	2.53	2.43	2.63	261		
		3	2.98	2.88	3.08	290		
		4	3.12	3.02	3.22	260		
		5	3.22	3.12	3.32	261		
	2	1	1.54	1.44	1.64	260	259	
		2	1.82	1.72	1.92	251		
		3	2.22	2.11	2.31	274		
		4	2.34	2.23	2.43	260		
		5	2.71	2.61	2.81	252		
Aroclor-1260	1	1	4.93	4.83	5.03	228	226	1.9
		2	5.16	5.06	5.26	217		
		3	5.53	5.43	5.63	224		
		4	6.22	6.11	6.31	236		
		5	6.60	6.50	6.70	226		
	2	1	3.91	3.81	4.01	231	222	
		2	4.20	4.10	4.30	227		
		3	4.48	4.38	4.58	219		
		4	5.18	5.08	5.28	221		
		5	5.46	5.36	5.56	212		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO | Lab Sample ID: 240-18581-1

Matrix: Solid | Lab File ID: P4000011.D

Analysis Method: 8082/DOD | Date Collected: 12/07/2012 11:45

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.18(g) | Date Analyzed: 12/21/2012 08:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	58		40-140
2051-24-3	DCB Decachlorobiphenyl	60		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000011.D		
Lims ID:	240-18581-M-1-G	Client ID:	070SB-0042M-0001-SO
Inject. Date:	21-Dec-2012 08:56:05	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-011		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	11
Lims Batch ID:	69717	Lims Sample ID:	11
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 09:45:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.272	1.270	0.002	16065981	0.0115			
2	2	1.674	1.671	0.003	12678017	0.0140			
						RPD = 19.52			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.213						
1	4		2.334						
1	5		2.712						
2	6		2.133						
2	7		2.528						
2	8		2.978						
2	9		3.116						
2	10		3.220						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.198						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.931						
2	7		5.160						
2	8		5.528						
2	9		6.214						
2	10		6.596						
$ 12 DCB Decachlorobiphenyl									
1	100	6.623	6.621	0.002	15697377	0.0121			
2	2	7.835	7.834	0.001	12769647	0.0129			
						RPD = 6.46			

QC Flag Legend

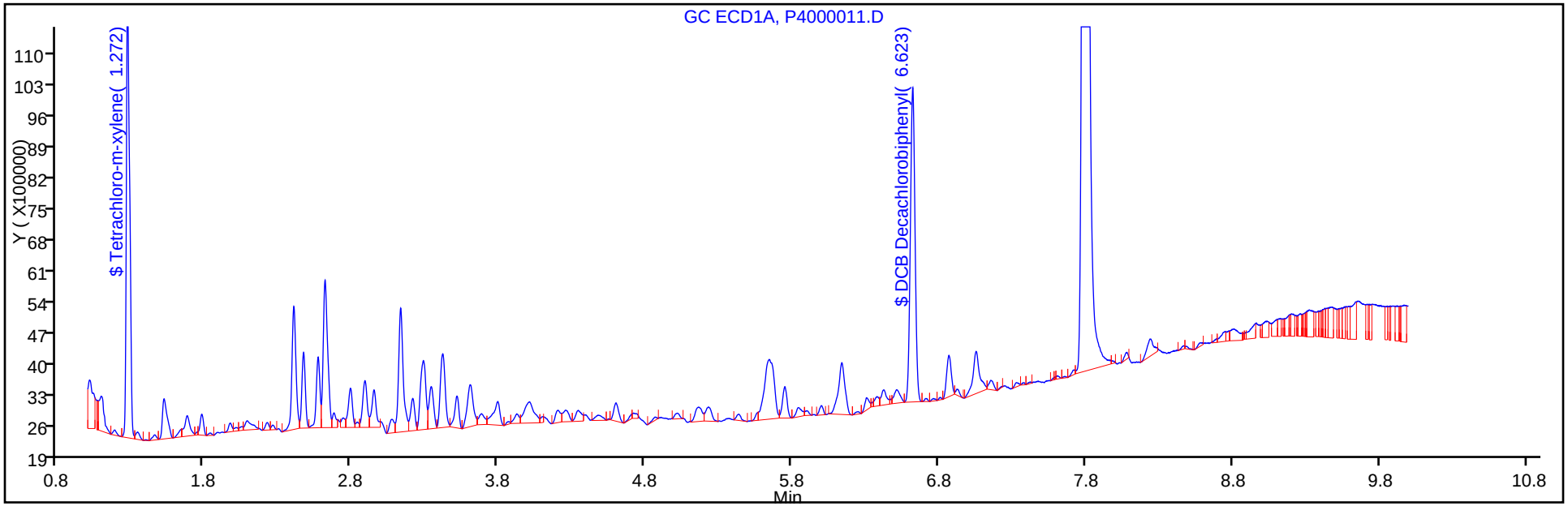
Processing Flags
1 - Missing Peaks

Report Date: 21-Dec-2012 13:23:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

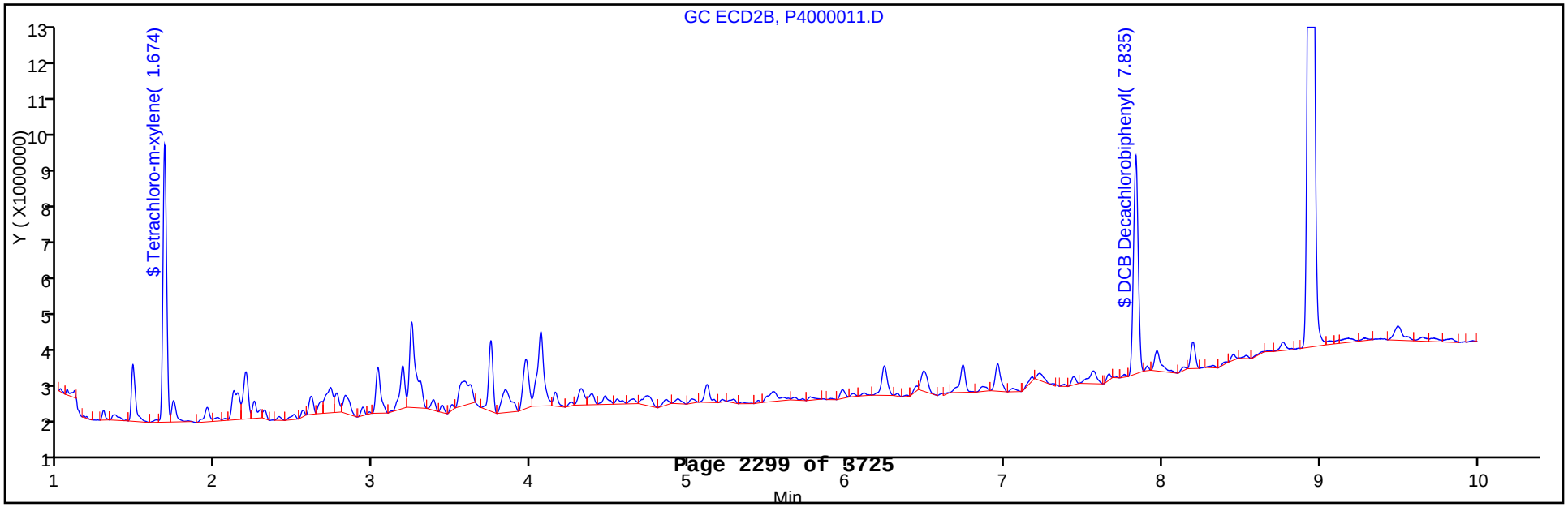
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000011.D		
Injection Date:	21-Dec-2012 08:56:05	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO Lab Sample ID: 240-18581-1

Matrix: Solid Lab File ID: P4000011.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 11:45

Extraction Method: 3540C Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.18(g) Date Analyzed: 12/21/2012 08:56

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	70		40-140
2051-24-3	DCB Decachlorobiphenyl	64		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000011.D		
Lims ID:	240-18581-M-1-G	Client ID:	070SB-0042M-0001-SO
Inject. Date:	21-Dec-2012 08:56:05	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-011		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	11
Lims Batch ID:	69717	Lims Sample ID:	11
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 09:45:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.272	1.270	0.002	16065981	0.0115			
2	2	1.674	1.671	0.003	12678017	0.0140			
						RPD = 19.52			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.213						
1	4		2.334						
1	5		2.712						
2	6		2.133						
2	7		2.528						
2	8		2.978						
2	9		3.116						
2	10		3.220						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.198						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.931						
2	7		5.160						
2	8		5.528						
2	9		6.214						
2	10		6.596						
$ 12 DCB Decachlorobiphenyl									
1	100	6.623	6.621	0.002	15697377	0.0121			
2	2	7.835	7.834	0.001	12769647	0.0129			
						RPD = 6.46			

QC Flag Legend

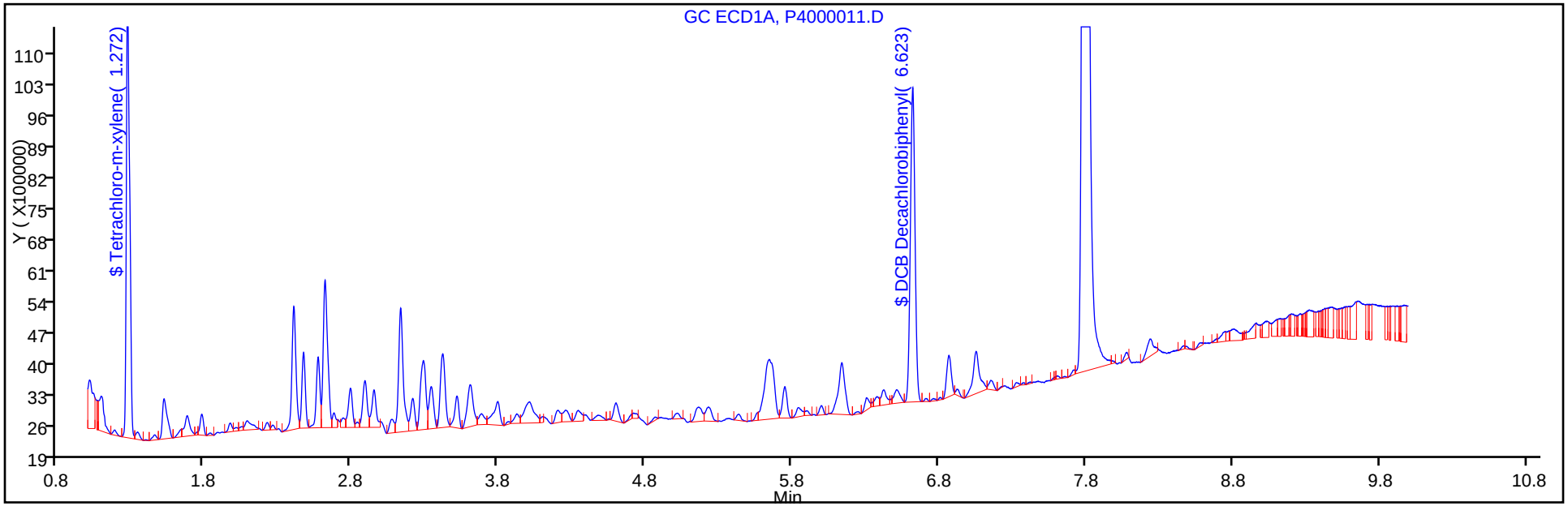
Processing Flags
1 - Missing Peaks

Report Date: 21-Dec-2012 13:23:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

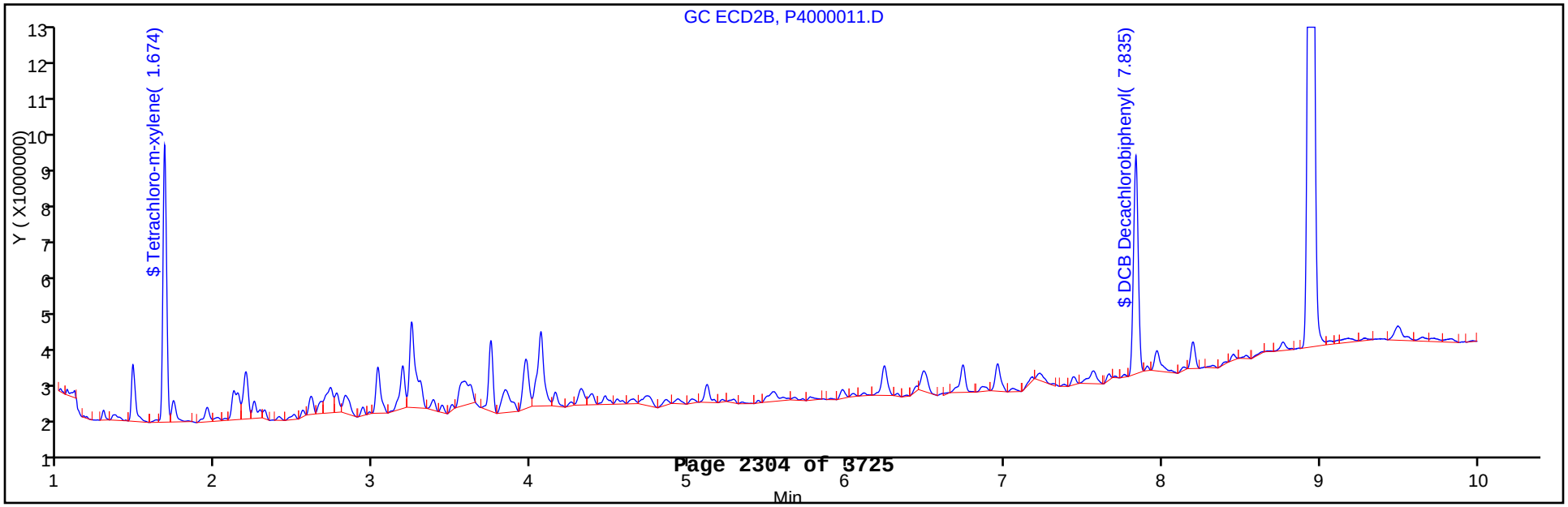
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000011.D		
Injection Date:	21-Dec-2012 08:56:05	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO | Lab Sample ID: 240-18581-3

Matrix: Solid | Lab File ID: P4000012.D

Analysis Method: 8082/DOD | Date Collected: 12/07/2012 11:15

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.40(g) | Date Analyzed: 12/21/2012 09:11

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	24	U	49	24	16
12674-11-2	Aroclor-1016	24	U	64	24	21
11141-16-5	Aroclor-1232	24	U	44	24	14
53469-21-9	Aroclor-1242	24	U	39	24	13
12672-29-6	Aroclor-1248	24	U	54	24	17
11097-69-1	Aroclor-1254	24	U	54	24	17
11096-82-5	Aroclor-1260	24	U	54	24	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	67		40-140
2051-24-3	DCB Decachlorobiphenyl	69		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000012.D		
Lims ID:	240-18581-L-3-G	Client ID:	070SB-044M-0001-SO
Inject. Date:	21-Dec-2012 09:11:47	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-012		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	12
Lims Batch ID:	69717	Lims Sample ID:	12
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 09:46:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	18716820	0.0134			
2	2	1.673	1.671	0.002	14086807	0.0156			
						RPD = 14.82			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.213						
1	4		2.334						
1	5		2.712						
2	6		2.133						
2	7		2.528						
2	8		2.978						
2	9		3.116						
2	10		3.220						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.912	3.911	0.001	2258602	0.0381		100.0	
1	2	0.0	4.198	-4.198	0	0	156.3- 206.3		
1	3	4.475	4.478	-0.003	2569845	0.0233	159.6- 209.6	113.8	
1	4	5.179	5.180	-0.001	2634468	0.0211	183.4- 233.4	116.6	
1	5	5.462	5.463	-0.001	1075922	0.0162	87.0- 137.0	47.6	
			Average of Peak Amounts =			0.0247			
2	6	4.931	4.931	0.000	1288684	0.0283		100.0	
2	7	0.0	5.160	-5.160	0	0	86.9- 146.9		
2	8	5.537	5.528	0.009	2500022	0.0310	145.2- 205.2	194.0	
2	9	0.0	6.214	-6.214	0	0	177.4- 237.4		
2	10	6.597	6.596	0.001	1085337	0.0151	125.7- 185.7	84.2	
			Average of Peak Amounts =			0.0248			
						RPD = 0.55			
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.621	0.001	17954448	0.0138			
2	2	7.834	7.834	0.000	14663696	0.0148			
						RPD = 6.86			

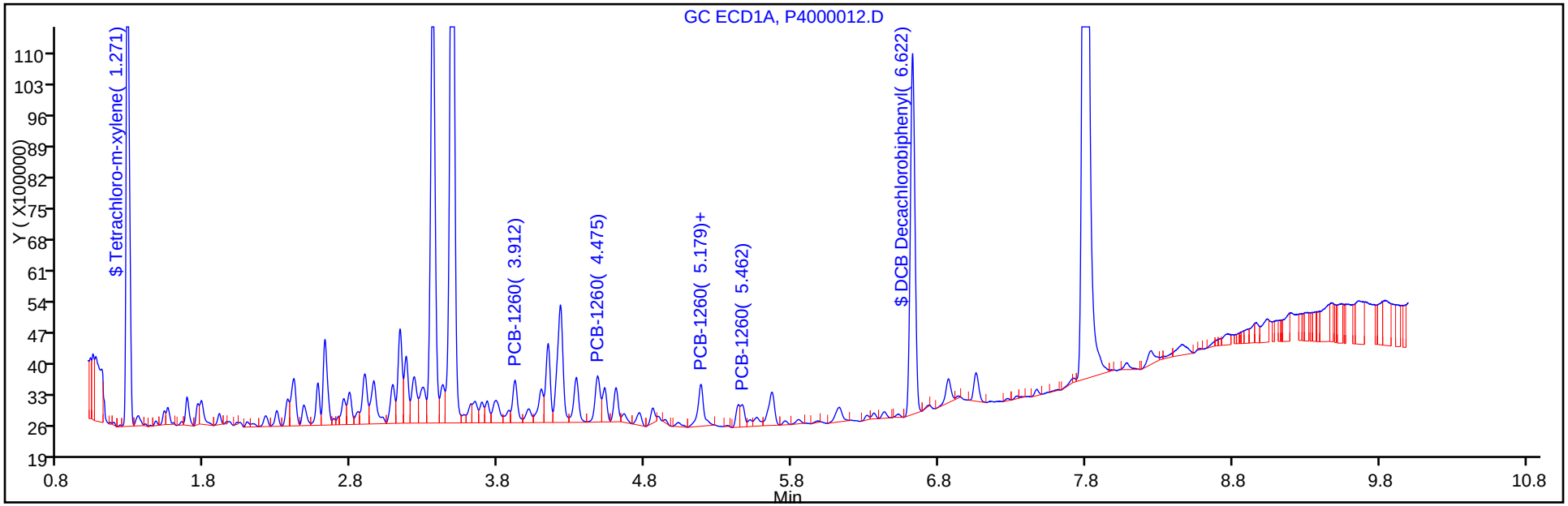
Report Date: 21-Dec-2012 13:23:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

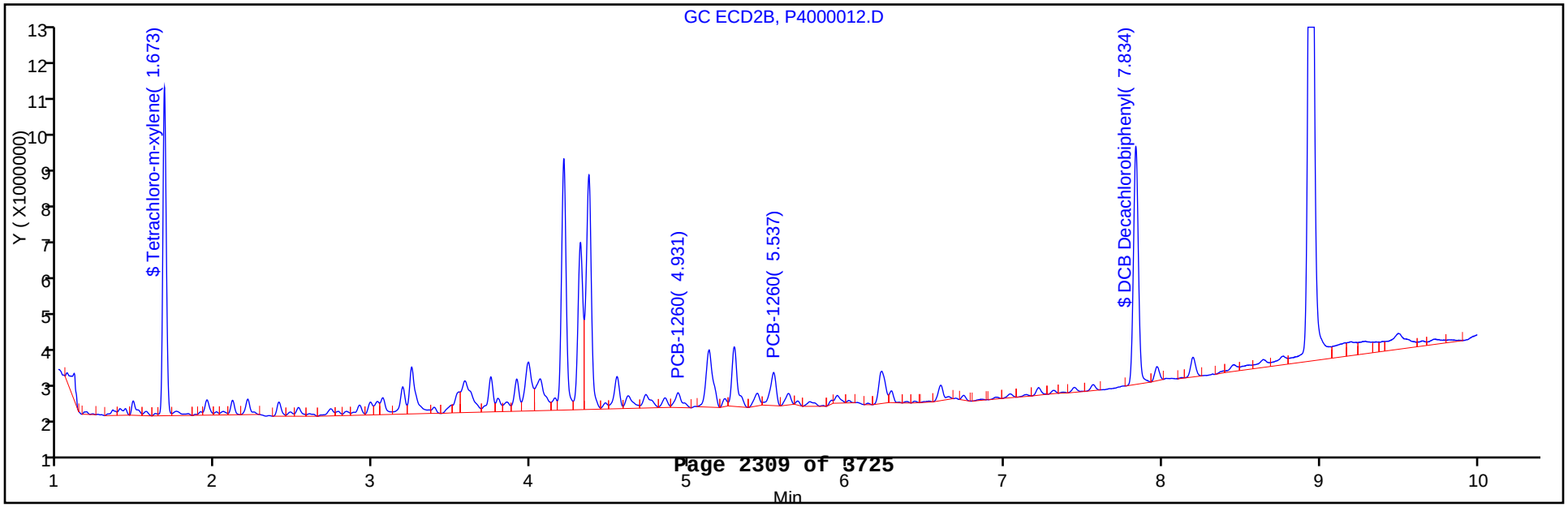
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000012.D

Injection Date:	21-Dec-2012 09:11:47	Limit Group:	GC 8082A ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO Lab Sample ID: 240-18581-3

Matrix: Solid Lab File ID: P4000012.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 11:15

Extraction Method: 3540C Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.40(g) Date Analyzed: 12/21/2012 09:11

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		40-140
2051-24-3	DCB Decachlorobiphenyl	74		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000012.D		
Lims ID:	240-18581-L-3-G	Client ID:	070SB-044M-0001-SO
Inject. Date:	21-Dec-2012 09:11:47	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-012		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	12
Lims Batch ID:	69717	Lims Sample ID:	12
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 09:46:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	18716820	0.0134			
2	2	1.673	1.671	0.002	14086807	0.0156			
						RPD = 14.82			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.213						
1	4		2.334						
1	5		2.712						
2	6		2.133						
2	7		2.528						
2	8		2.978						
2	9		3.116						
2	10		3.220						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.912	3.911	0.001	2258602	0.0381		100.0	
1	2	0.0	4.198	-4.198	0	0	156.3- 206.3		
1	3	4.475	4.478	-0.003	2569845	0.0233	159.6- 209.6	113.8	
1	4	5.179	5.180	-0.001	2634468	0.0211	183.4- 233.4	116.6	
1	5	5.462	5.463	-0.001	1075922	0.0162	87.0- 137.0	47.6	
			Average of Peak Amounts =			0.0247			
2	6	4.931	4.931	0.000	1288684	0.0283		100.0	
2	7	0.0	5.160	-5.160	0	0	86.9- 146.9		
2	8	5.537	5.528	0.009	2500022	0.0310	145.2- 205.2	194.0	
2	9	0.0	6.214	-6.214	0	0	177.4- 237.4		
2	10	6.597	6.596	0.001	1085337	0.0151	125.7- 185.7	84.2	
			Average of Peak Amounts =			0.0248			
						RPD = 0.55			
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.621	0.001	17954448	0.0138			
2	2	7.834	7.834	0.000	14663696	0.0148			
						RPD = 6.86			

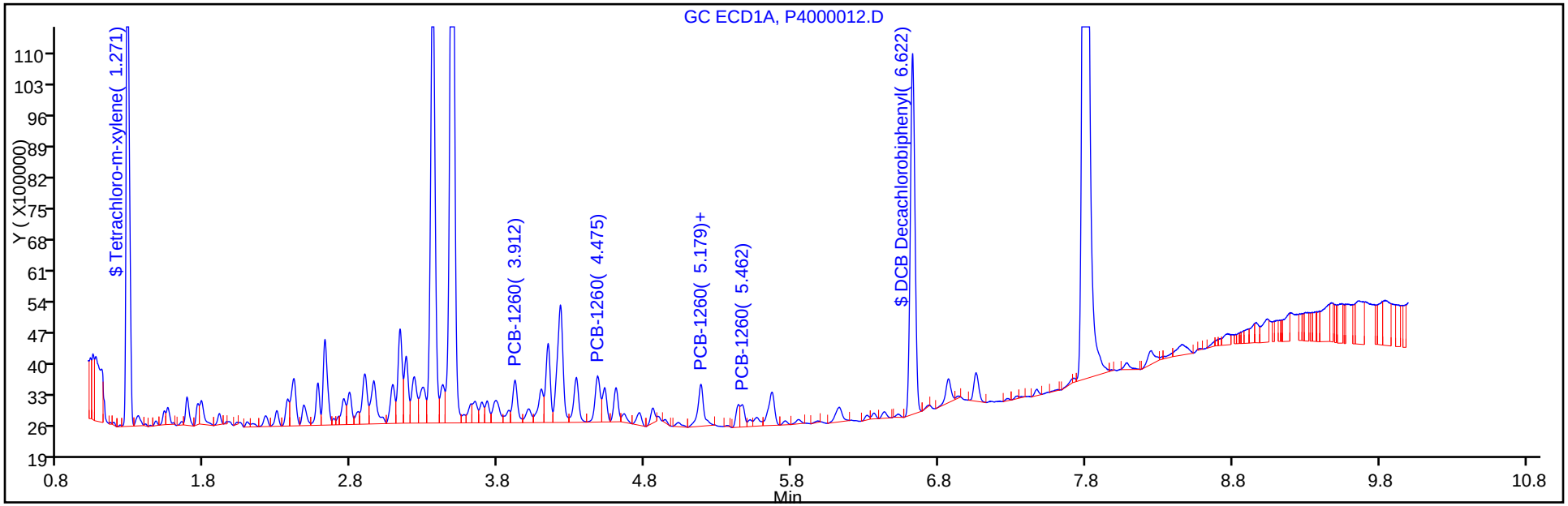
Report Date: 21-Dec-2012 13:23:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

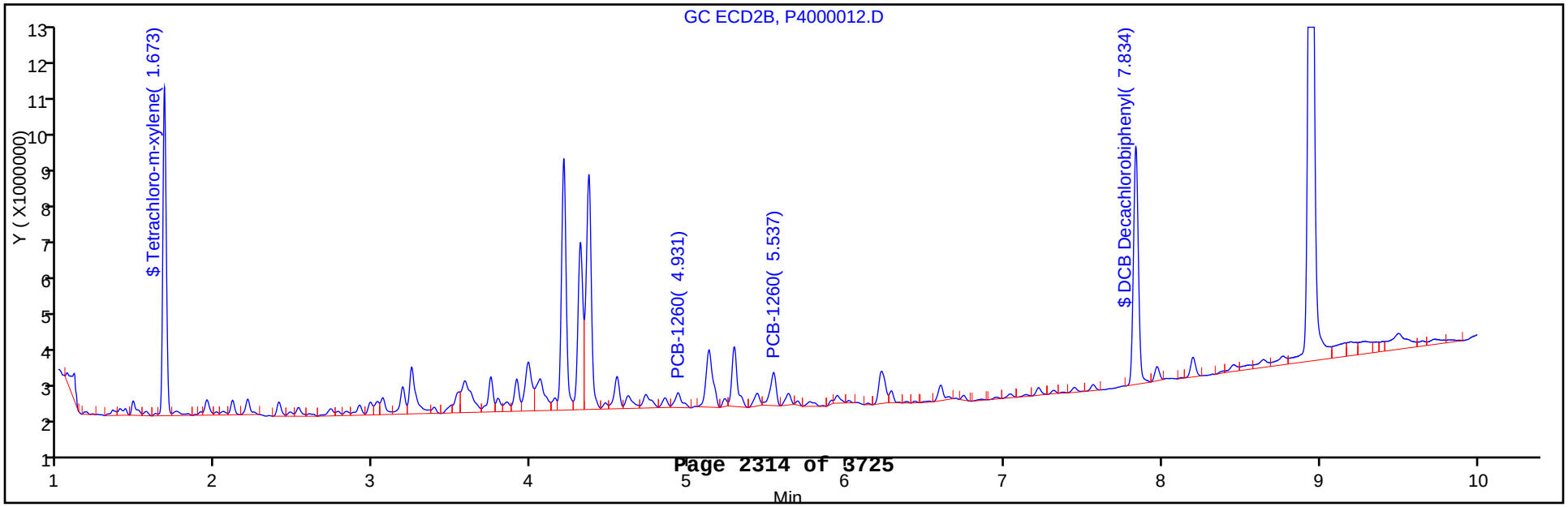
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000012.D

Injection Date:	21-Dec-2012 09:11:47	Limit Group:	GC 8082A ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO Lab Sample ID: 240-18581-5

Matrix: Solid Lab File ID: P4000005.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:50

Extraction Method: 3540C Date Extracted: 12/26/2012 10:28

Sample wt/vol: 29.88(g) Date Analyzed: 12/29/2012 19:39

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U H	50	25	16
12674-11-2	Aroclor-1016	25	U H	65	25	21
11141-16-5	Aroclor-1232	25	U H	45	25	14
53469-21-9	Aroclor-1242	25	U H	40	25	13
12672-29-6	Aroclor-1248	25	U H	55	25	17
11097-69-1	Aroclor-1254	25	U H	55	25	17
11096-82-5	Aroclor-1260	25	U H	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	68		40-140
2051-24-3	DCB Decachlorobiphenyl	73		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000005.D		
Lims ID:	240-18581-K-5-F	Client ID:	070SB-046M-0001-SO
Inject. Date:	29-Dec-2012 19:39:22	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016267-005		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	5
Lims Batch ID:	70556	Lims Sample ID:	5
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m		
Last Update:	31-Dec-2012 09:24:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

First Level Reviewer: hassl Date: 31-Dec-2012 09:12:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	18889177	0.0136			
2	2	1.675	1.673	0.002	13556657	0.0150			
						RPD = 10.09			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.212						
1	4		2.333						
1	5		2.712						
2	6		2.135						
2	7		2.529						
2	8		2.980						
2	9		3.118						
2	10		3.220						
5 PCB-1242									
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.909	3.910	-0.001	831051	0.0140		100.0	
1	2	4.195	4.197	-0.002	1259264	0.0117	156.3- 206.3	151.5	
1	3	4.475	4.476	-0.001	1584349	0.0144	159.6- 209.6	190.6	
1	4	5.179	5.177	0.002	2152215	0.0173	183.4- 233.4	259.0	
1	5	5.459	5.461	-0.002	276805	0.004162	87.0- 137.0	33.3	
			Average of Peak Amounts =			0.0123			
2	6	4.925	4.930	-0.005	1143211	0.0251		100.0	
2	7	5.158	5.160	-0.002	432015	0.007915	86.9- 146.9	37.8	
2	8	5.534	5.527	0.007	1608433	0.0199	145.2- 205.2	140.7	
2	9	6.242	6.213	0.029	4232120	0.0437	177.4- 237.4	370.2	
2	10	6.594	6.594	0.000	1890503	0.0263	125.7- 185.7	165.4	
			Average of Peak Amounts =			0.0246			
						RPD = 66.64			
$ 12 DCB Decachlorobiphenyl									
1	100	6.619	6.619	0.000	19027595	0.0146			
2	2	7.833	7.832	0.001	15107534	0.0152			
						RPD = 4.03			

QC Flag Legend

Processing Flags
1 - Missing Peaks

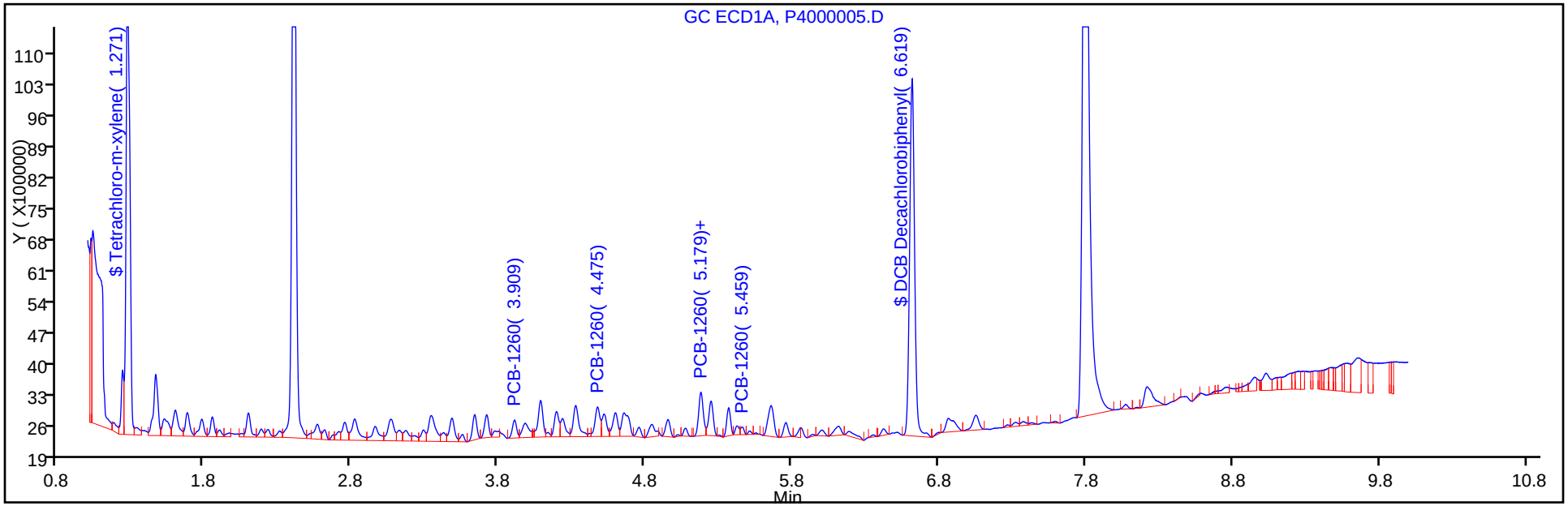
Report Date: 31-Dec-2012 09:24:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

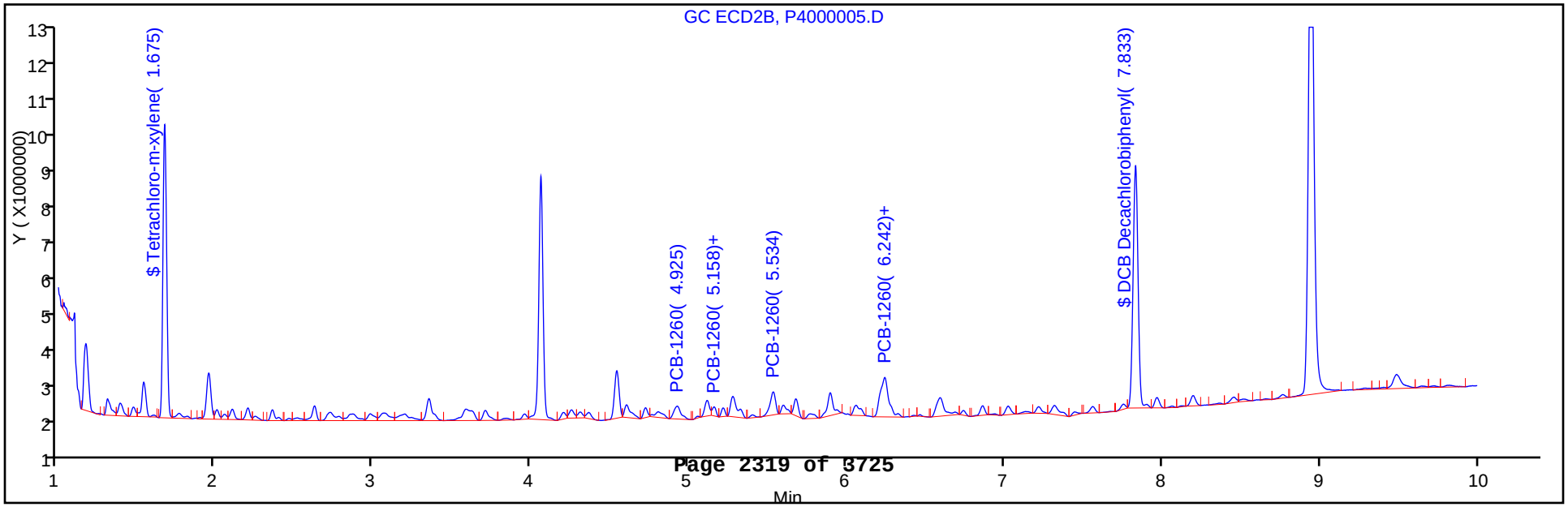
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000005.D

Injection Date:	29-Dec-2012 19:39:22	Limit Group:	GC 8082A ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO Lab Sample ID: 240-18581-5

Matrix: Solid Lab File ID: P4000005.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:50

Extraction Method: 3540C Date Extracted: 12/26/2012 10:28

Sample wt/vol: 29.88(g) Date Analyzed: 12/29/2012 19:39

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		40-140
2051-24-3	DCB Decachlorobiphenyl	76		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000005.D		
Lims ID:	240-18581-K-5-F	Client ID:	070SB-046M-0001-SO
Inject. Date:	29-Dec-2012 19:39:22	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016267-005		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	5
Lims Batch ID:	70556	Lims Sample ID:	5
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m		
Last Update:	31-Dec-2012 09:24:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

First Level Reviewer: hassl Date: 31-Dec-2012 09:12:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	18889177	0.0136			
2	2	1.675	1.673	0.002	13556657	0.0150			
						RPD = 10.09			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.212						
1	4		2.333						
1	5		2.712						
2	6		2.135						
2	7		2.529						
2	8		2.980						
2	9		3.118						
2	10		3.220						
5 PCB-1242									
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.909	3.910	-0.001	831051	0.0140		100.0	
1	2	4.195	4.197	-0.002	1259264	0.0117	156.3- 206.3	151.5	
1	3	4.475	4.476	-0.001	1584349	0.0144	159.6- 209.6	190.6	
1	4	5.179	5.177	0.002	2152215	0.0173	183.4- 233.4	259.0	
1	5	5.459	5.461	-0.002	276805	0.004162	87.0- 137.0	33.3	
			Average of Peak Amounts =			0.0123			
2	6	4.925	4.930	-0.005	1143211	0.0251		100.0	
2	7	5.158	5.160	-0.002	432015	0.007915	86.9- 146.9	37.8	
2	8	5.534	5.527	0.007	1608433	0.0199	145.2- 205.2	140.7	
2	9	6.242	6.213	0.029	4232120	0.0437	177.4- 237.4	370.2	
2	10	6.594	6.594	0.000	1890503	0.0263	125.7- 185.7	165.4	
			Average of Peak Amounts =			0.0246			
						RPD = 66.64			
$ 12 DCB Decachlorobiphenyl									
1	100	6.619	6.619	0.000	19027595	0.0146			
2	2	7.833	7.832	0.001	15107534	0.0152			
						RPD = 4.03			

QC Flag Legend

Processing Flags
1 - Missing Peaks

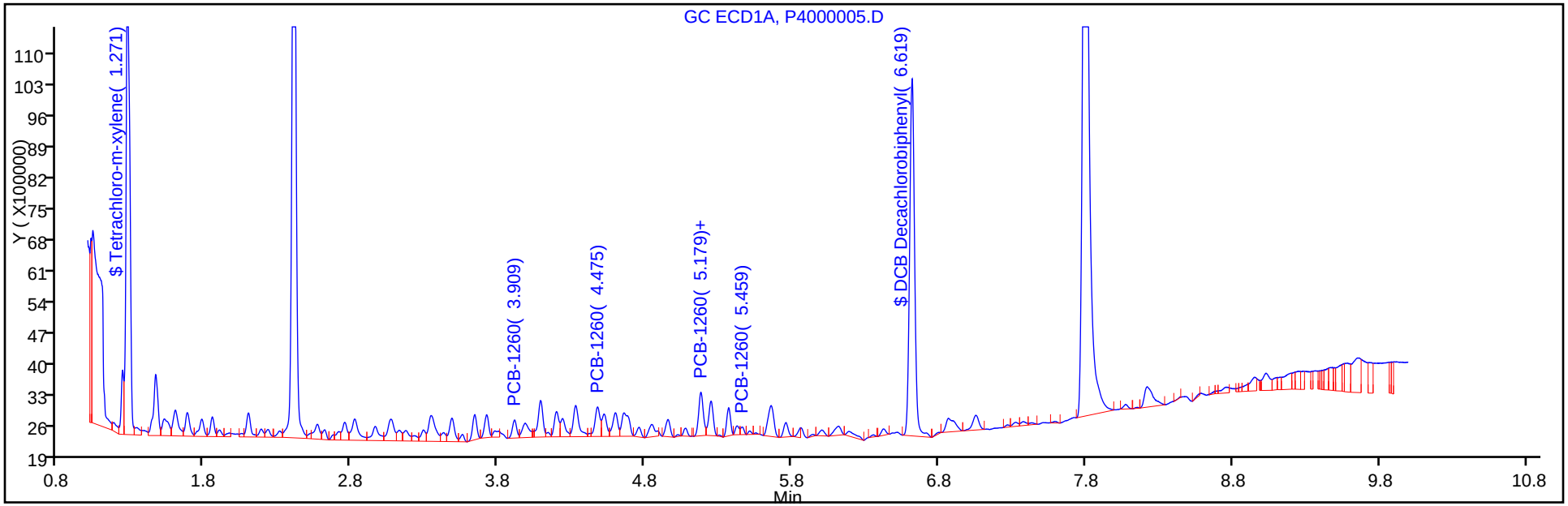
Report Date: 31-Dec-2012 09:24:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

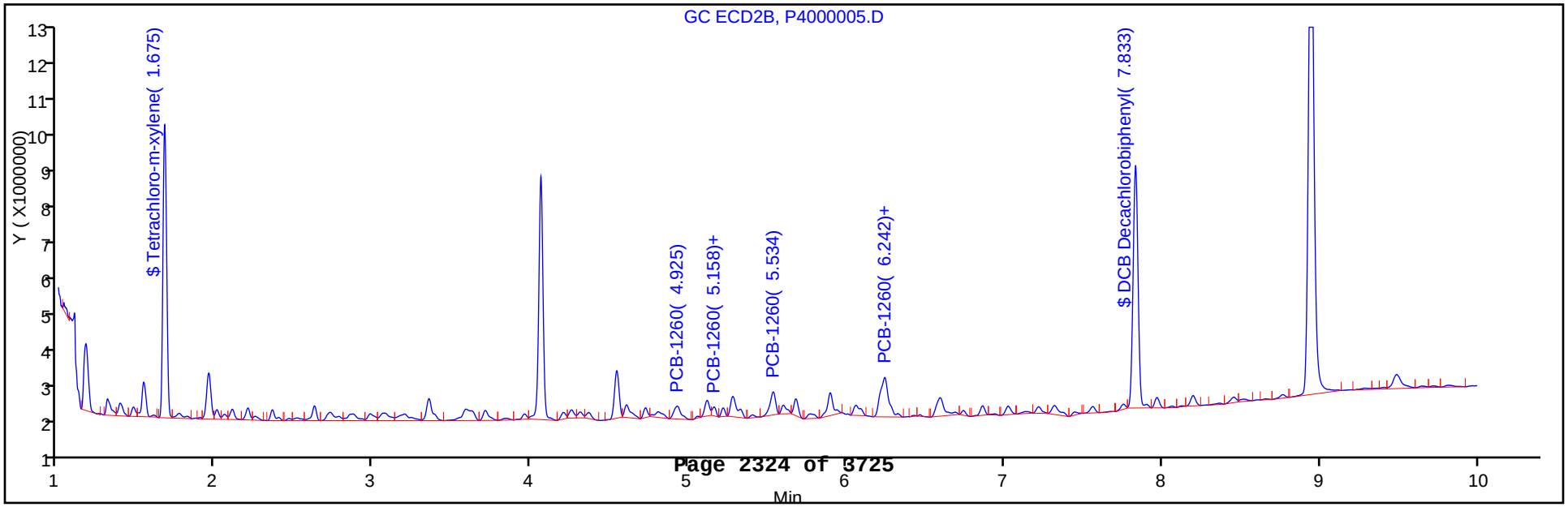
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000005.D

Injection Date:	29-Dec-2012 19:39:22	Limit Group:	GC 8082A ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-047M-0001-SO Lab Sample ID: 240-18581-6

Matrix: Solid Lab File ID: P4000006.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:50

Extraction Method: 3540C Date Extracted: 12/26/2012 10:28

Sample wt/vol: 30.22(g) Date Analyzed: 12/29/2012 19:55

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U H	50	25	16
12674-11-2	Aroclor-1016	25	U H	65	25	21
11141-16-5	Aroclor-1232	25	U H	45	25	14
53469-21-9	Aroclor-1242	25	U H	40	25	13
12672-29-6	Aroclor-1248	25	U H	55	25	17
11097-69-1	Aroclor-1254	25	U H	55	25	17
11096-82-5	Aroclor-1260	25	U H	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64		40-140
2051-24-3	DCB Decachlorobiphenyl	70		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000006.D		
Lims ID:	240-18581-H-6-E	Client ID:	070SB-047M-0001-SO
Inject. Date:	29-Dec-2012 19:55:02	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016267-006		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	6
Lims Batch ID:	70556	Lims Sample ID:	6
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m		
Last Update:	31-Dec-2012 09:24:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		
First Level Reviewer: hassl		Date:	31-Dec-2012 09:13:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	17824148	0.0128			
2	2	1.674	1.673	0.001	12913589	0.0143			
						RPD = 11.03			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.212						
1	4		2.333						
1	5		2.712						
2	6		2.135						
2	7		2.529						
2	8		2.980						
2	9		3.118						
2	10		3.220						
5 PCB-1242									
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.910						
1	2		4.197						
1	3		4.476						
1	4		5.177						
1	5		5.461						
2	6		4.930						
2	7		5.160						
2	8		5.527						
2	9		6.213						
2	10		6.594						
9 PCB-1262									
1	100		4.198						
1	2		4.603						
1	3		4.849						
1	4		5.177						
1	5		5.552						
2	6		5.161						
2	7		5.632						
2	8		5.939						
2	9		6.215						
2	10		6.593						
11 PCB-1268									
1	100		5.510						
1	2		5.548						
1	3		5.748						
1	4		6.124						
1	5		6.424						
2	6		6.592						
2	7		6.639						
2	8		6.905						
2	9		7.219						
2	10		7.563						
$ 12 DCB Decachlorobiphenyl									
1	100	6.616	6.619	-0.003	18095178	0.0139			
2	2	7.832	7.832	0.000	13815187	0.0139			
						RPD = 0.12			

QC Flag Legend

Processing Flags
1 - Missing Peaks

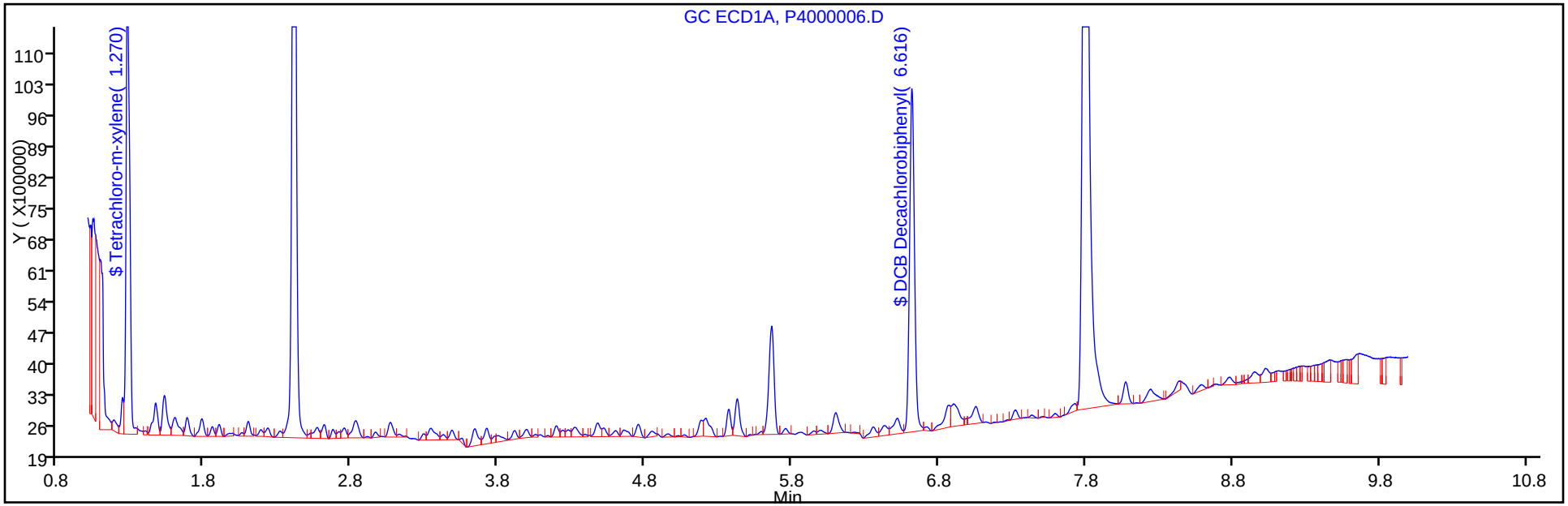
Report Date: 31-Dec-2012 09:24:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

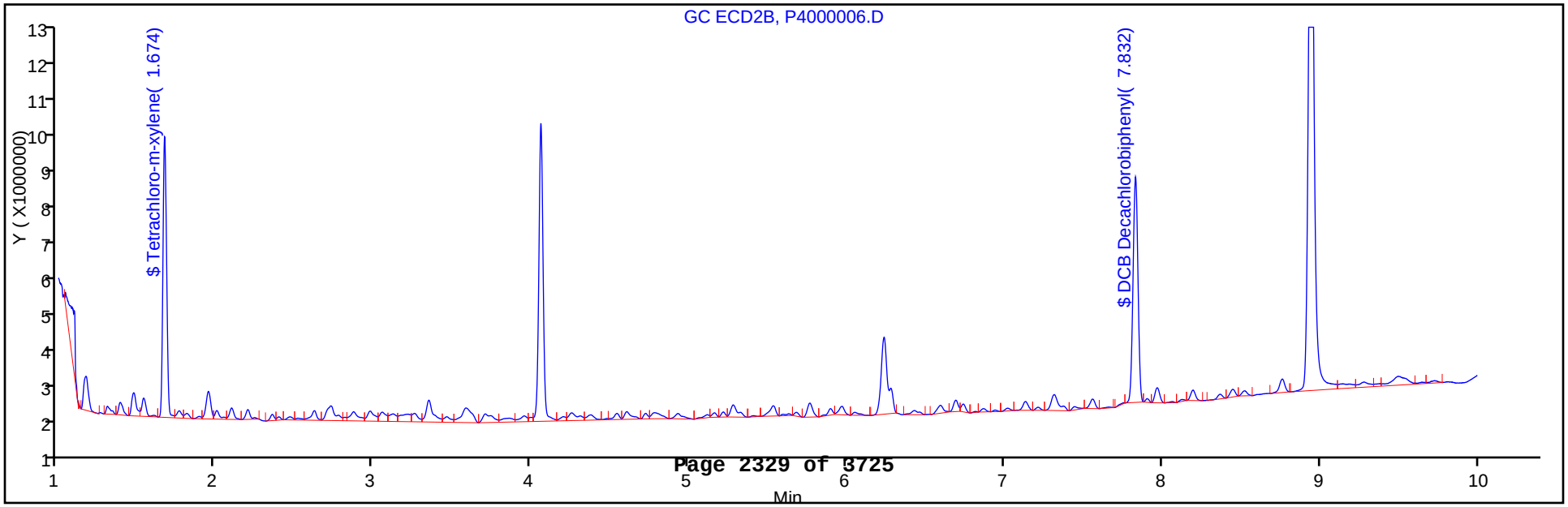
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000006.D

Injection Date:	29-Dec-2012 19:55:02	Limit Group:	GC 8082A ICAL
Client ID:	070SB-047M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-047M-0001-SO Lab Sample ID: 240-18581-6

Matrix: Solid Lab File ID: P4000006.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:50

Extraction Method: 3540C Date Extracted: 12/26/2012 10:28

Sample wt/vol: 30.22(g) Date Analyzed: 12/29/2012 19:55

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71		40-140
2051-24-3	DCB Decachlorobiphenyl	70		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000006.D		
Lims ID:	240-18581-H-6-E	Client ID:	070SB-047M-0001-SO
Inject. Date:	29-Dec-2012 19:55:02	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016267-006		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	6
Lims Batch ID:	70556	Lims Sample ID:	6
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m		
Last Update:	31-Dec-2012 09:24:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

First Level Reviewer: hassl Date: 31-Dec-2012 09:13:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	17824148	0.0128			
2	2	1.674	1.673	0.001	12913589	0.0143			
						RPD = 11.03			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.212						
1	4		2.333						
1	5		2.712						
2	6		2.135						
2	7		2.529						
2	8		2.980						
2	9		3.118						
2	10		3.220						
5 PCB-1242									
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.910						
1	2		4.197						
1	3		4.476						
1	4		5.177						
1	5		5.461						
2	6		4.930						
2	7		5.160						
2	8		5.527						
2	9		6.213						
2	10		6.594						
9 PCB-1262									
1	100		4.198						
1	2		4.603						
1	3		4.849						
1	4		5.177						
1	5		5.552						
2	6		5.161						
2	7		5.632						
2	8		5.939						
2	9		6.215						
2	10		6.593						
11 PCB-1268									
1	100		5.510						
1	2		5.548						
1	3		5.748						
1	4		6.124						
1	5		6.424						
2	6		6.592						
2	7		6.639						
2	8		6.905						
2	9		7.219						
2	10		7.563						
$ 12 DCB Decachlorobiphenyl									
1	100	6.616	6.619	-0.003	18095178	0.0139			
2	2	7.832	7.832	0.000	13815187	0.0139			
						RPD = 0.12			

QC Flag Legend

Processing Flags
1 - Missing Peaks

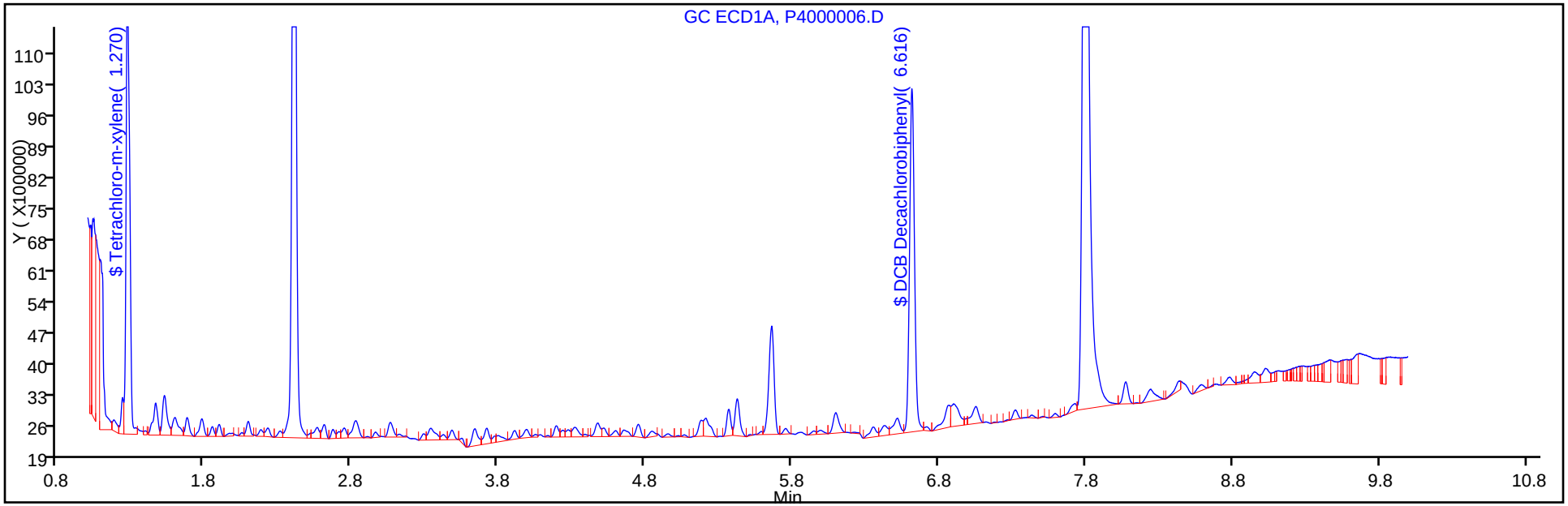
Report Date: 31-Dec-2012 09:24:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

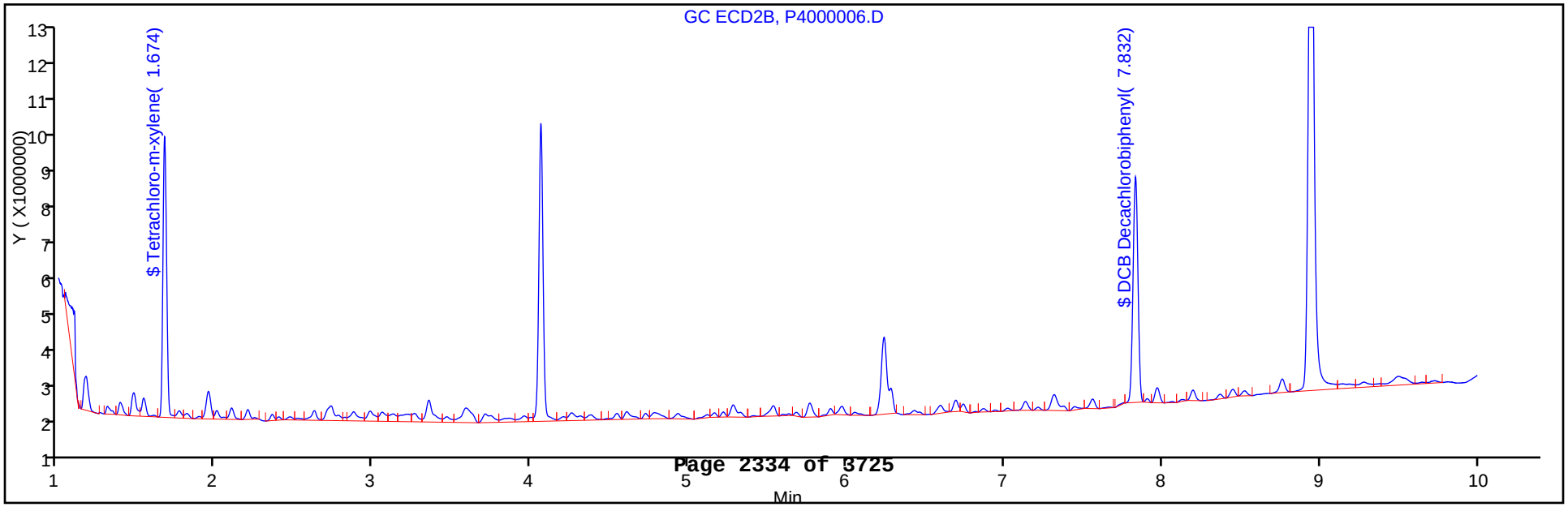
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000006.D

Injection Date:	29-Dec-2012 19:55:02	Limit Group:	GC 8082A ICAL
Client ID:	070SB-047M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SS-0048M-0001-SO Lab Sample ID: 240-18581-17

Matrix: Solid Lab File ID: P4000005.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:22

Extraction Method: 3540C Date Extracted: 12/31/2012 13:58

Sample wt/vol: 30.10(g) Date Analyzed: 01/02/2013 14:44

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70882 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	816	Q	40-140
2051-24-3	DCB Decachlorobiphenyl	74		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000005.D		
Lims ID:	240-18581-B-17-H	Client ID:	070SS-0048M-0001-SO
Inject. Date:	02-Jan-2013 14:44:08	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016346-005		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	5
Lims Batch ID:	70882	Lims Sample ID:	5
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m		
Last Update:	03-Jan-2013 07:16:40	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK037		
First Level Reviewer: hassl		Date:	03-Jan-2013 06:58:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.250	1.268	-0.018	227413705	0.1632			
2	2	1.671	1.672	-0.001	14147942	0.0156			
						RPD = 165.00			
3 PCB-1221									1
1	2		1.400						
1	3		1.508						
1	4		1.537						
2	4		1.945						
2	5		2.076						
2	6		2.133						
4 PCB-1232									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.710						
2	6		2.133						
2	7		2.528						
2	8		2.977						
2	9		3.115						
2	10		3.725						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.708						
2	6		2.132						
2	7		2.527						
2	8		2.977						
2	9		3.116						
2	10		3.599						
6 PCB-1016									
1	100		1.538						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.710						
2	6		2.132						
2	7		2.527						
2	8		2.977						
2	9		3.116						
2	10		3.218						
7 PCB-1248									
1	86		1.819						
1	2		2.209						
1	3		2.710						
1	4		3.285						
1	5		3.719						
2	6		2.526						
2	7		2.976						
2	8		3.725						
2	9		3.999						
2	10		4.721						
8 PCB-1254									
1	100		3.072						
1	2		3.719						
1	3		4.000						
1	4		4.192						
1	5		4.475						
2	6		4.246						
2	7		4.722						
2	8		4.965						
2	9		5.327						
2	10		5.530						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.908						
1	2		4.193						
1	3		4.473						
1	4		5.173						
1	5		5.457						
2	6		4.928						
2	7		5.158						
2	8		5.525						
2	9		6.212						
2	10		6.592						
$ 12 DCB Decachlorobiphenyl									
1	100	6.616	6.616	0.000	19113049	0.0147			
2	2	7.830	7.827	0.003	16847190	0.0170			
						RPD = 14.46			

QC Flag Legend

Processing Flags
1 - Missing Peaks

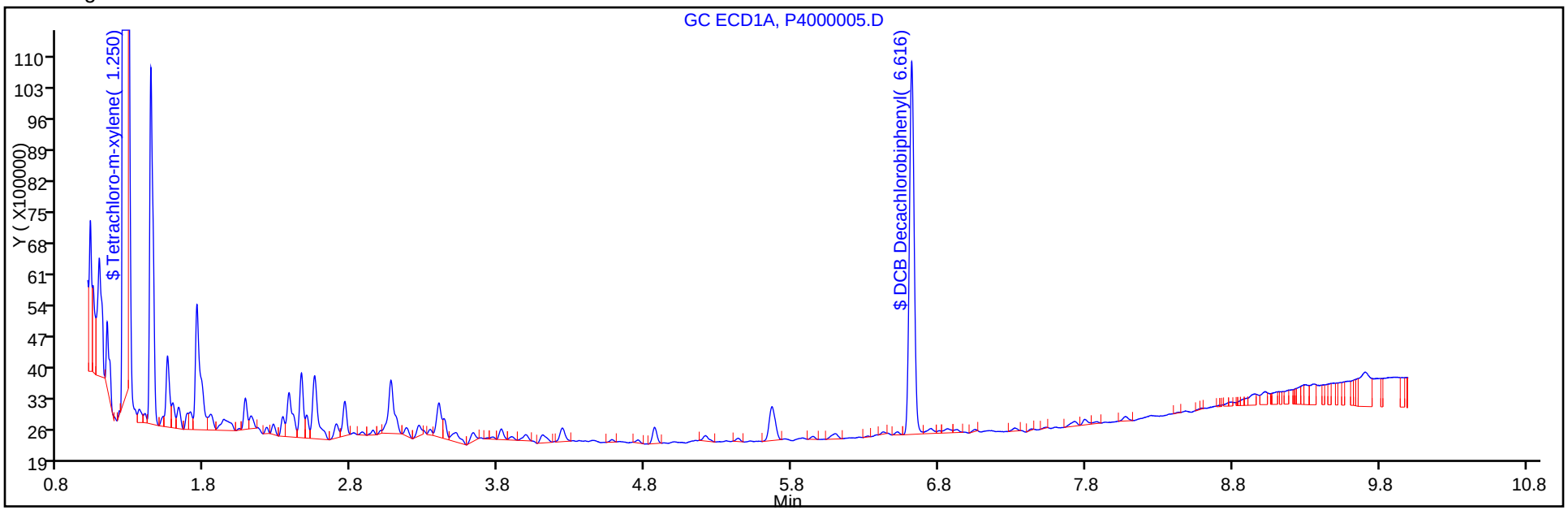
Report Date: 03-Jan-2013 07:16:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

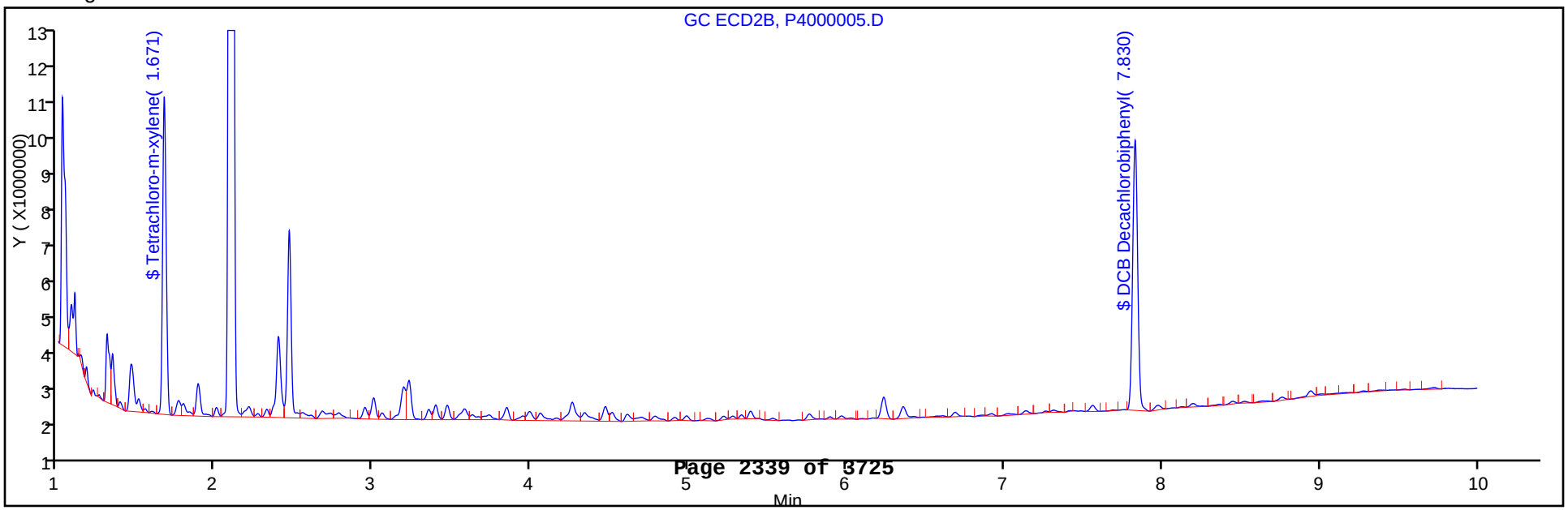
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000005.D

Injection Date:	02-Jan-2013 14:44:08	Limit Group:	GC 8082A ICAL
Client ID:	070SS-0048M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SS-0048M-0001-SO Lab Sample ID: 240-18581-17

Matrix: Solid Lab File ID: P4000005.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:22

Extraction Method: 3540C Date Extracted: 12/31/2012 13:58

Sample wt/vol: 30.10(g) Date Analyzed: 01/02/2013 14:44

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U H	50	25	16
12674-11-2	Aroclor-1016	25	U H	65	25	21
11141-16-5	Aroclor-1232	25	U H	45	25	14
53469-21-9	Aroclor-1242	25	U H	40	25	13
12672-29-6	Aroclor-1248	25	U H	55	25	17
11097-69-1	Aroclor-1254	25	U H	55	25	17
11096-82-5	Aroclor-1260	25	U H	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		40-140
2051-24-3	DCB Decachlorobiphenyl	85		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000005.D		
Lims ID:	240-18581-B-17-H	Client ID:	070SS-0048M-0001-SO
Inject. Date:	02-Jan-2013 14:44:08	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016346-005		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	5
Lims Batch ID:	70882	Lims Sample ID:	5
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m		
Last Update:	03-Jan-2013 07:16:40	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK037		

First Level Reviewer: hassl Date: 03-Jan-2013 06:58:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.250	1.268	-0.018	227413705	0.1632			
2	2	1.671	1.672	-0.001	14147942	0.0156			
						RPD = 165.00			
3 PCB-1221									1
1	2		1.400						
1	3		1.508						
1	4		1.537						
2	4		1.945						
2	5		2.076						
2	6		2.133						
4 PCB-1232									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.710						
2	6		2.133						
2	7		2.528						
2	8		2.977						
2	9		3.115						
2	10		3.725						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.708						
2	6		2.132						
2	7		2.527						
2	8		2.977						
2	9		3.116						
2	10		3.599						
6 PCB-1016									
1	100		1.538						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.710						
2	6		2.132						
2	7		2.527						
2	8		2.977						
2	9		3.116						
2	10		3.218						
7 PCB-1248									
1	86		1.819						
1	2		2.209						
1	3		2.710						
1	4		3.285						
1	5		3.719						
2	6		2.526						
2	7		2.976						
2	8		3.725						
2	9		3.999						
2	10		4.721						
8 PCB-1254									
1	100		3.072						
1	2		3.719						
1	3		4.000						
1	4		4.192						
1	5		4.475						
2	6		4.246						
2	7		4.722						
2	8		4.965						
2	9		5.327						
2	10		5.530						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.908						
1	2		4.193						
1	3		4.473						
1	4		5.173						
1	5		5.457						
2	6		4.928						
2	7		5.158						
2	8		5.525						
2	9		6.212						
2	10		6.592						
$ 12 DCB Decachlorobiphenyl									
1	100	6.616	6.616	0.000	19113049	0.0147			
2	2	7.830	7.827	0.003	16847190	0.0170			
						RPD = 14.46			

QC Flag Legend

Processing Flags
1 - Missing Peaks

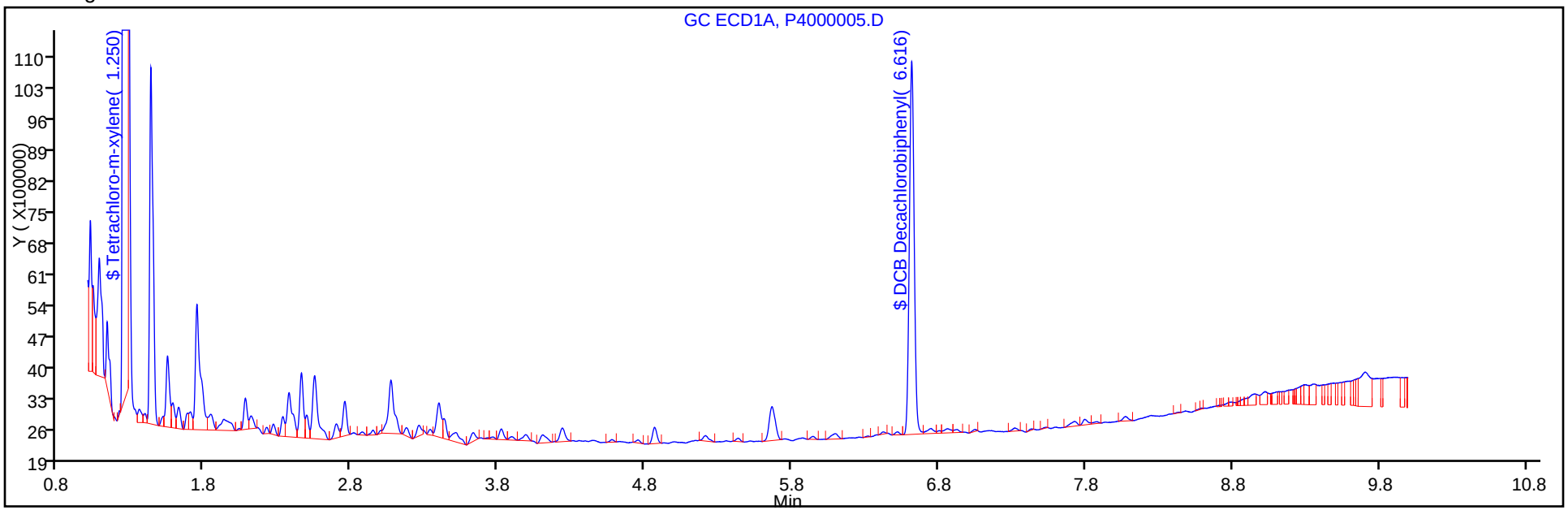
Report Date: 03-Jan-2013 07:16:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

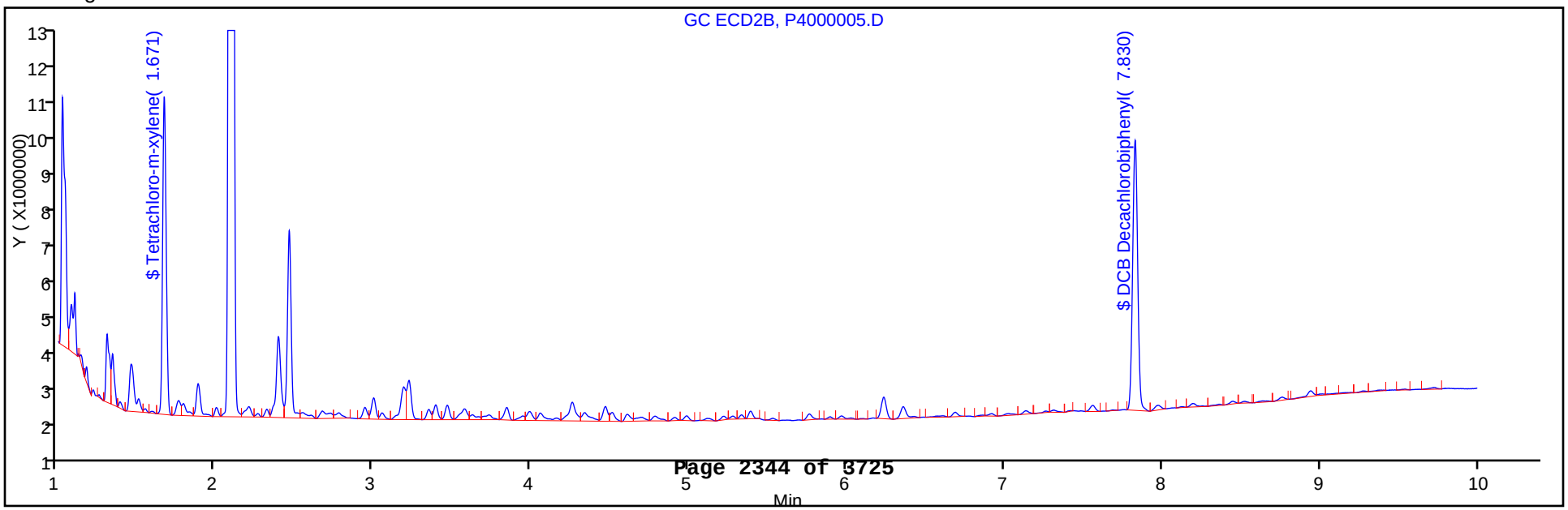
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000005.D

Injection Date:	02-Jan-2013 14:44:08	Limit Group:	GC 8082A ICAL
Client ID:	070SS-0048M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0049M-0001-SO | Lab Sample ID: 240-18581-18

Matrix: Solid | Lab File ID: P4000016.D

Analysis Method: 8082/DOD | Date Collected: 12/07/2012 10:22

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:21

Sample wt/vol: 29.99(g) | Date Analyzed: 12/21/2012 10:14

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	59		40-140
2051-24-3	DCB Decachlorobiphenyl	63		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000016.D		
Lims ID:	240-18581-B-18-B	Client ID:	070SB-0049M-0001-SO
Inject. Date:	21-Dec-2012 10:14:50	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-016		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	16
Lims Batch ID:	69717	Lims Sample ID:	16
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	16557461	0.0119			
2	2	1.674	1.671	0.003	11353378	0.0126			
						RPD = 5.53			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.213						
1	4		2.334						
1	5		2.712						
2	6		2.133						
2	7		2.528						
2	8		2.978						
2	9		3.116						
2	10		3.220						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.198						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.931						
2	7		5.160						
2	8		5.528						
2	9		6.214						
2	10		6.596						
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.621	0.001	16498061	0.0127			
2	2	7.835	7.834	0.001	12286824	0.0124			
						RPD = 2.37			

QC Flag Legend

Processing Flags
1 - Missing Peaks

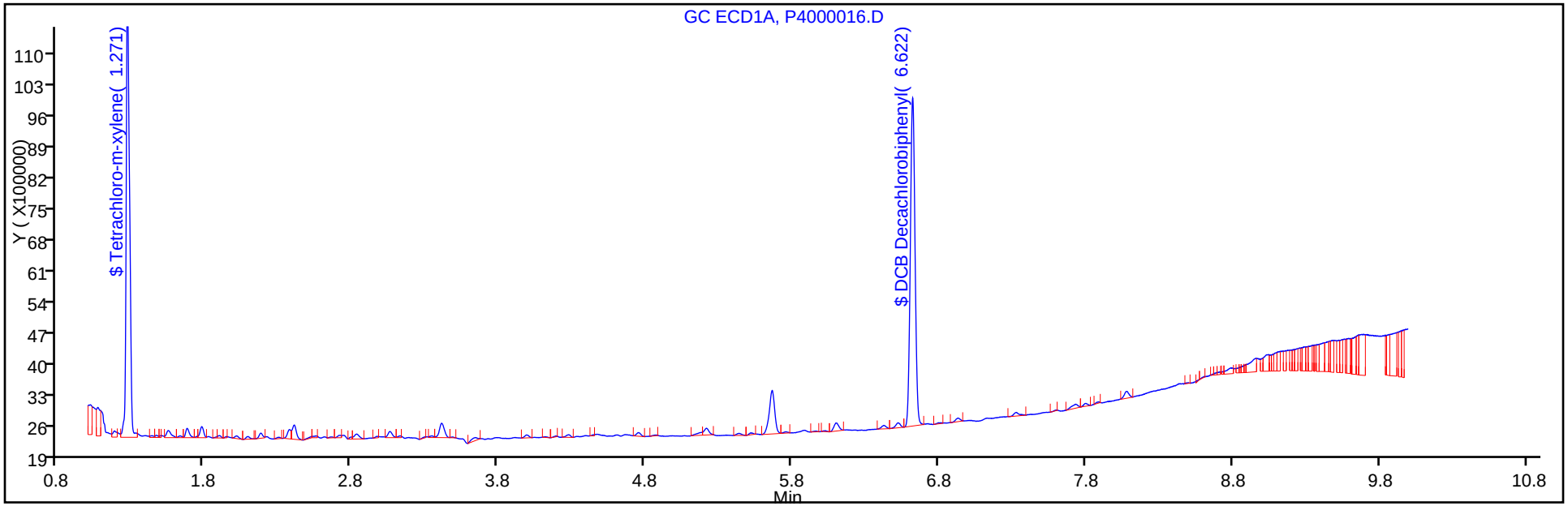
Report Date: 21-Dec-2012 13:23:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

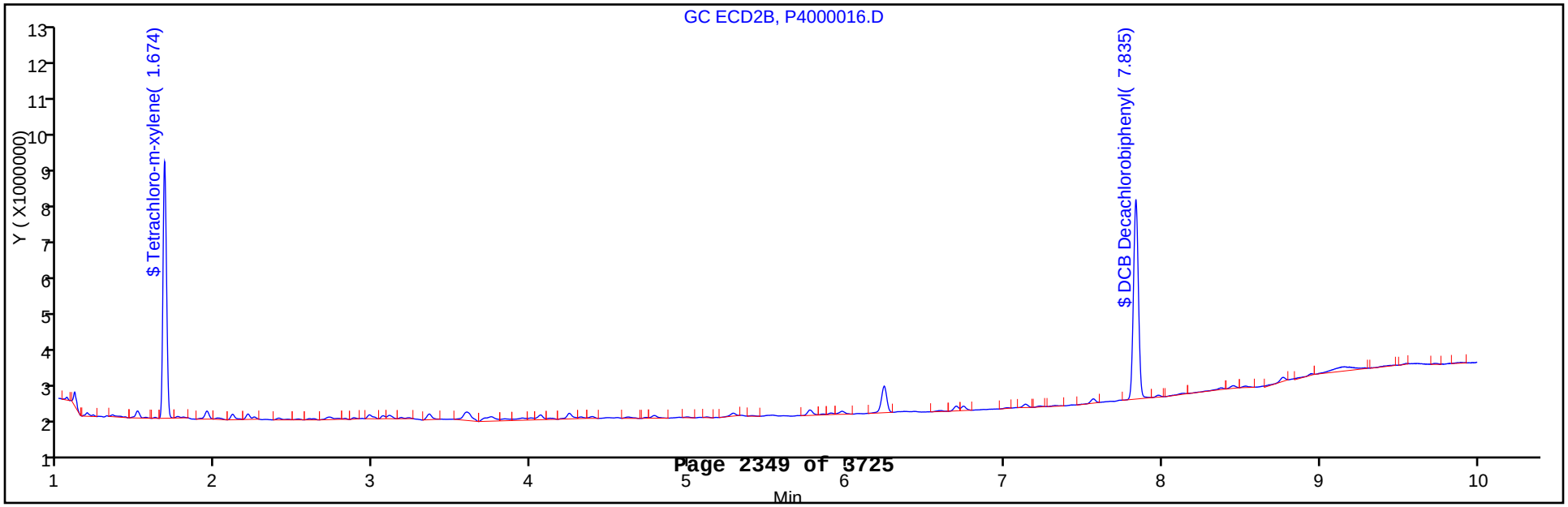
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000016.D

Injection Date:	21-Dec-2012 10:14:50	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0049M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0049M-0001-SO Lab Sample ID: 240-18581-18

Matrix: Solid Lab File ID: P4000016.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:22

Extraction Method: 3540C Date Extracted: 12/19/2012 12:21

Sample wt/vol: 29.99(g) Date Analyzed: 12/21/2012 10:14

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		40-140
2051-24-3	DCB Decachlorobiphenyl	62		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000016.D		
Lims ID:	240-18581-B-18-B	Client ID:	070SB-0049M-0001-SO
Inject. Date:	21-Dec-2012 10:14:50	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-016		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	16
Lims Batch ID:	69717	Lims Sample ID:	16
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	16557461	0.0119			
2	2	1.674	1.671	0.003	11353378	0.0126			
						RPD = 5.53			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.213						
1	4		2.334						
1	5		2.712						
2	6		2.133						
2	7		2.528						
2	8		2.978						
2	9		3.116						
2	10		3.220						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.198						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.931						
2	7		5.160						
2	8		5.528						
2	9		6.214						
2	10		6.596						
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.621	0.001	16498061	0.0127			
2	2	7.835	7.834	0.001	12286824	0.0124			
						RPD = 2.37			

QC Flag Legend

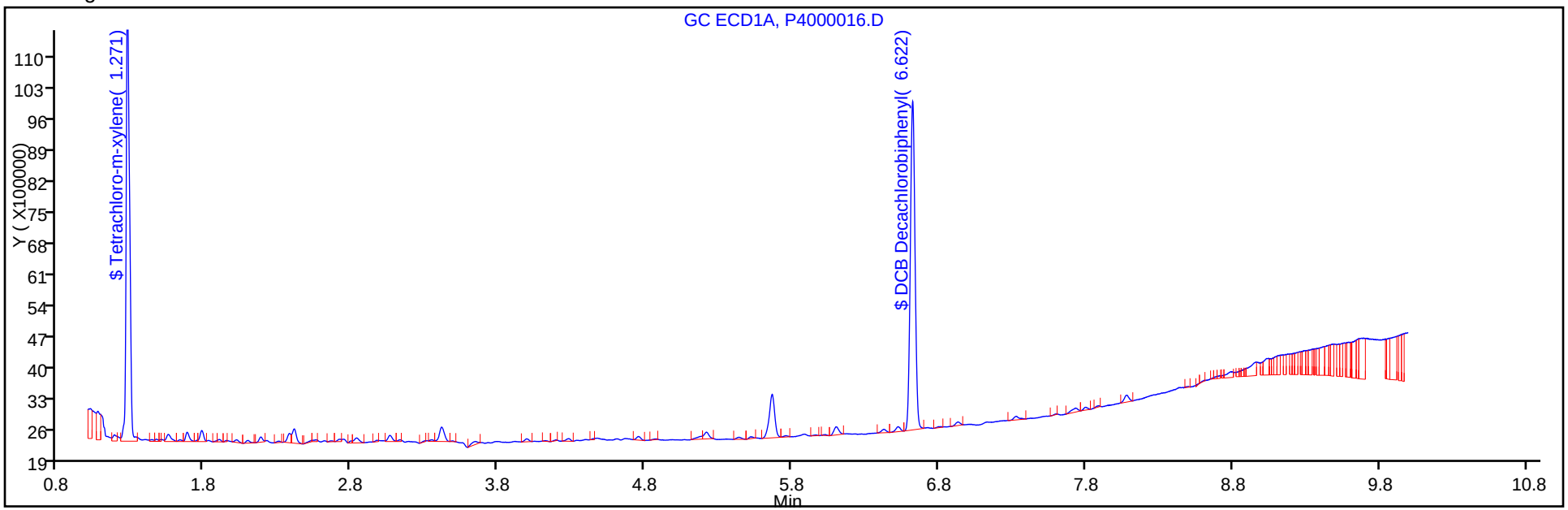
Processing Flags
1 - Missing Peaks

Report Date: 21-Dec-2012 13:23:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

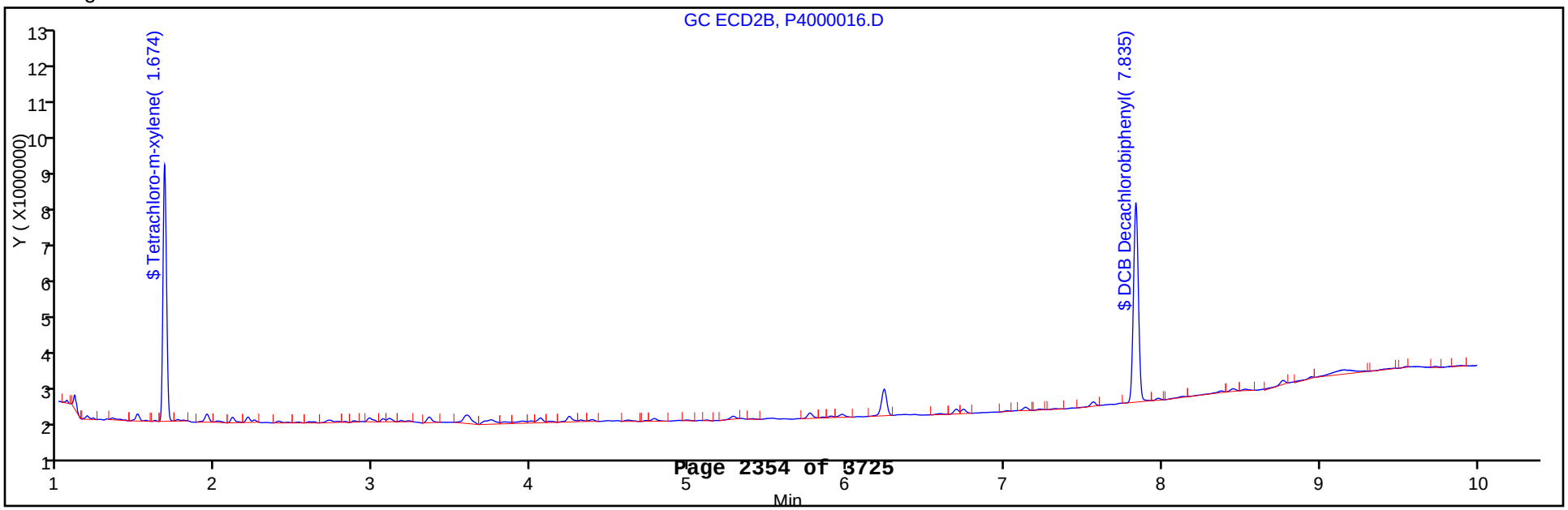
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000016.D		
Injection Date:	21-Dec-2012 10:14:50	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0049M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0050M-0001-SO | Lab Sample ID: 240-18581-19

Matrix: Solid | Lab File ID: P4000017.D

Analysis Method: 8082/DOD | Date Collected: 12/07/2012 09:25

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.16(g) | Date Analyzed: 12/21/2012 10:30

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		40-140
2051-24-3	DCB Decachlorobiphenyl	71		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000017.D		
Lims ID:	240-18581-B-19-B	Client ID:	070SB-0050M-0001-SO
Inject. Date:	21-Dec-2012 10:30:38	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-017		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	17
Lims Batch ID:	69717	Lims Sample ID:	17
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 13:18:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	22230374	0.0160			
2	2	1.674	1.671	0.003	14618326	0.0162			
						RPD = 1.35			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.213						
1	4		2.334						
1	5		2.712						
2	6		2.133						
2	7		2.528						
2	8		2.978						
2	9		3.116						
2	10		3.220						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.198						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.931						
2	7		5.160						
2	8		5.528						
2	9		6.214						
2	10		6.596						
$ 12 DCB Decachlorobiphenyl									
1	100	6.623	6.621	0.002	18487944	0.0142			
2	2	7.835	7.834	0.001	14160791	0.0143			
						RPD = 0.44			

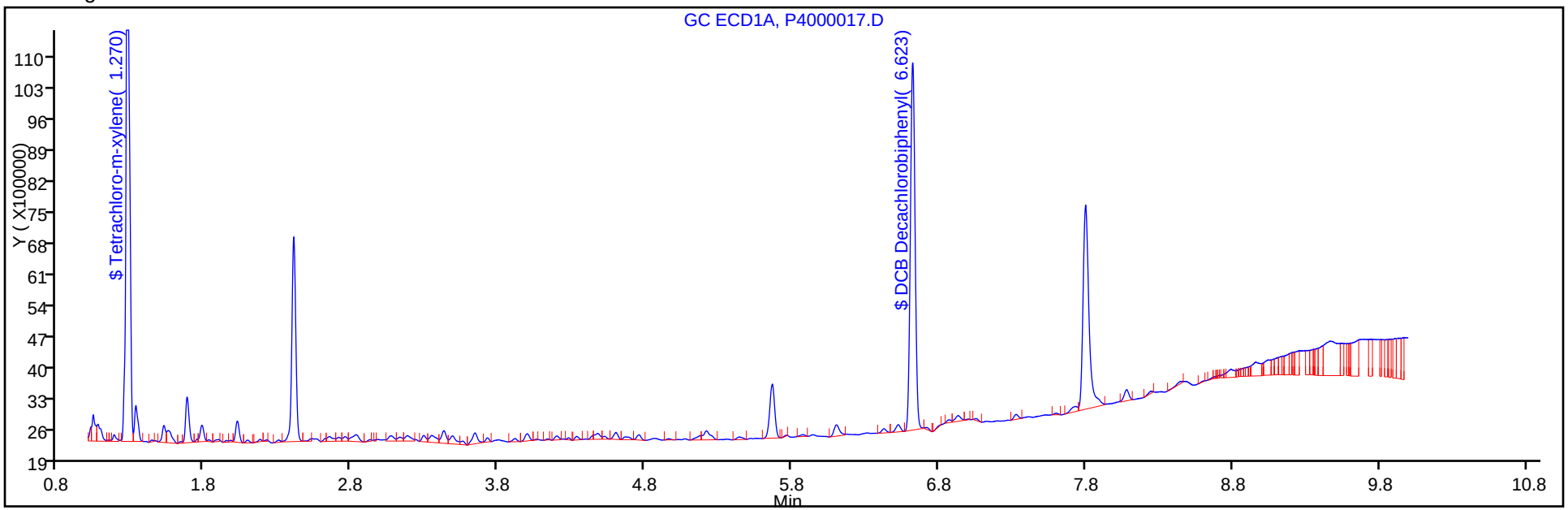
Report Date: 21-Dec-2012 13:23:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

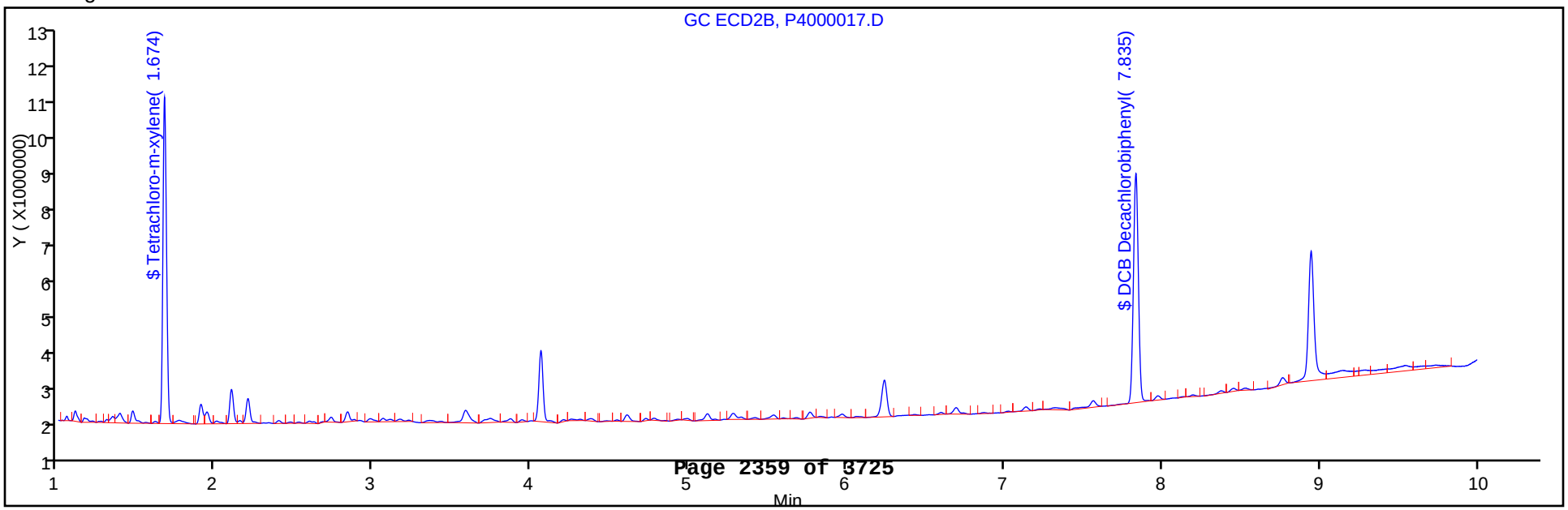
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000017.D

Injection Date:	21-Dec-2012 10:30:38	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0050M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0050M-0001-SO Lab Sample ID: 240-18581-19

Matrix: Solid Lab File ID: P4000017.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 09:25

Extraction Method: 3540C Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.16(g) Date Analyzed: 12/21/2012 10:30

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	81		40-140
2051-24-3	DCB Decachlorobiphenyl	71		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000017.D		
Lims ID:	240-18581-B-19-B	Client ID:	070SB-0050M-0001-SO
Inject. Date:	21-Dec-2012 10:30:38	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-017		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	17
Lims Batch ID:	69717	Lims Sample ID:	17
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 13:18:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	22230374	0.0160			
2	2	1.674	1.671	0.003	14618326	0.0162			
						RPD = 1.35			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.213						
1	4		2.334						
1	5		2.712						
2	6		2.133						
2	7		2.528						
2	8		2.978						
2	9		3.116						
2	10		3.220						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

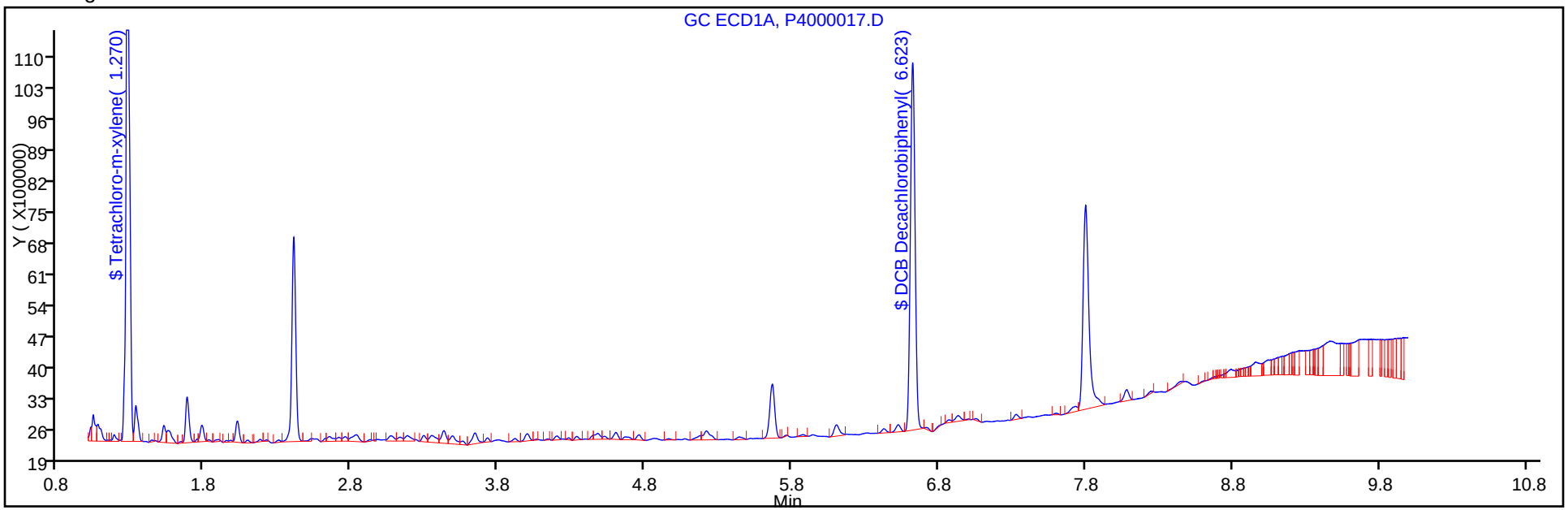
Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.198						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.931						
2	7		5.160						
2	8		5.528						
2	9		6.214						
2	10		6.596						
$ 12 DCB Decachlorobiphenyl									
1	100	6.623	6.621	0.002	18487944	0.0142			
2	2	7.835	7.834	0.001	14160791	0.0143			
						RPD = 0.44			

Report Date: 21-Dec-2012 13:23:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

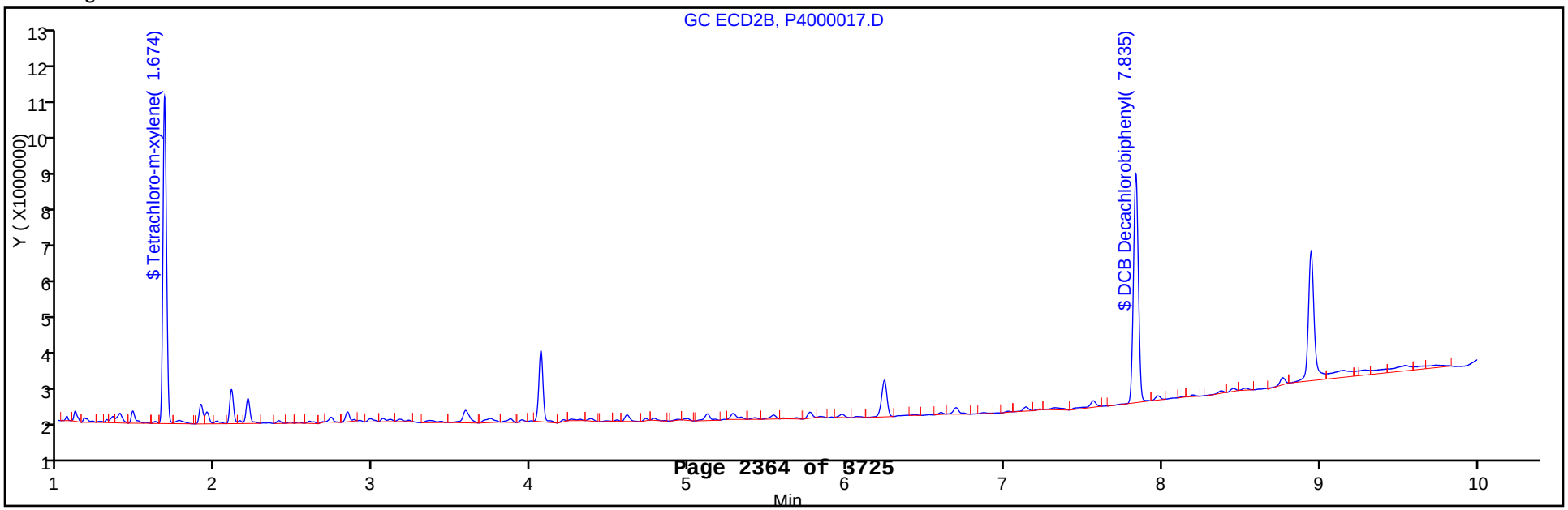
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000017.D		
Injection Date:	21-Dec-2012 10:30:38	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0050M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0051M-0001-SO Lab Sample ID: 240-18581-20

Matrix: Solid Lab File ID: P4000020.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 09:45

Extraction Method: 3540C Date Extracted: 12/19/2012 12:21

Sample wt/vol: 29.91(g) Date Analyzed: 12/21/2012 11:17

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		40-140
2051-24-3	DCB Decachlorobiphenyl	65		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000020.D		
Lims ID:	240-18581-B-20-B	Client ID:	070SB-0051M-0001-SO
Inject. Date:	21-Dec-2012 11:17:48	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-020		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	20
Lims Batch ID:	69717	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:17	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

First Level Reviewer: hassl Date: 21-Dec-2012 13:17:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.269	1.271	-0.002	22383878	0.0161			
2	2	1.673	1.673	0.000	11346192	0.0125			
						RPD = 24.56			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.541						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.712						
2	6		2.134						
2	7		2.530						
2	8		2.980						
2	9		3.118						
2	10		3.221						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.199						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.932						
2	7		5.161						
2	8		5.530						
2	9		6.216						
2	10		6.597						
$ 12 DCB Decachlorobiphenyl									
1	100	6.621	6.622	-0.001	16789223	0.0129			
2	2	7.834	7.834	0.000	13230344	0.0133			
						RPD = 3.28			

QC Flag Legend

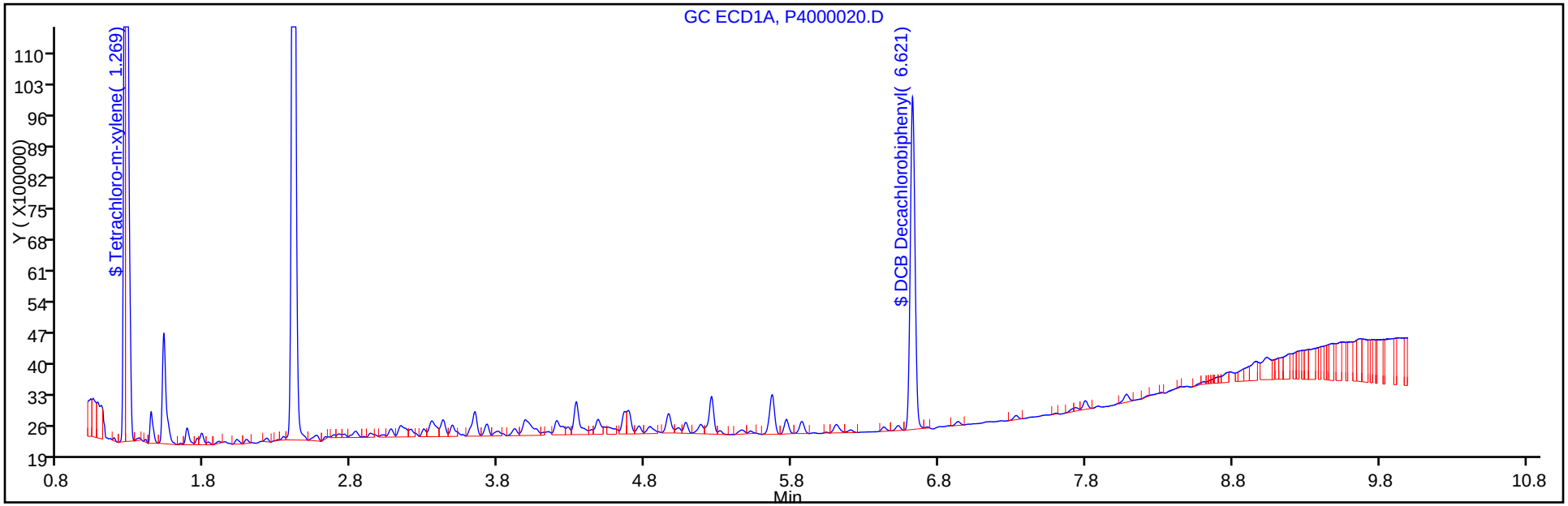
Processing Flags
1 - Missing Peaks

Report Date: 21-Dec-2012 13:23:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

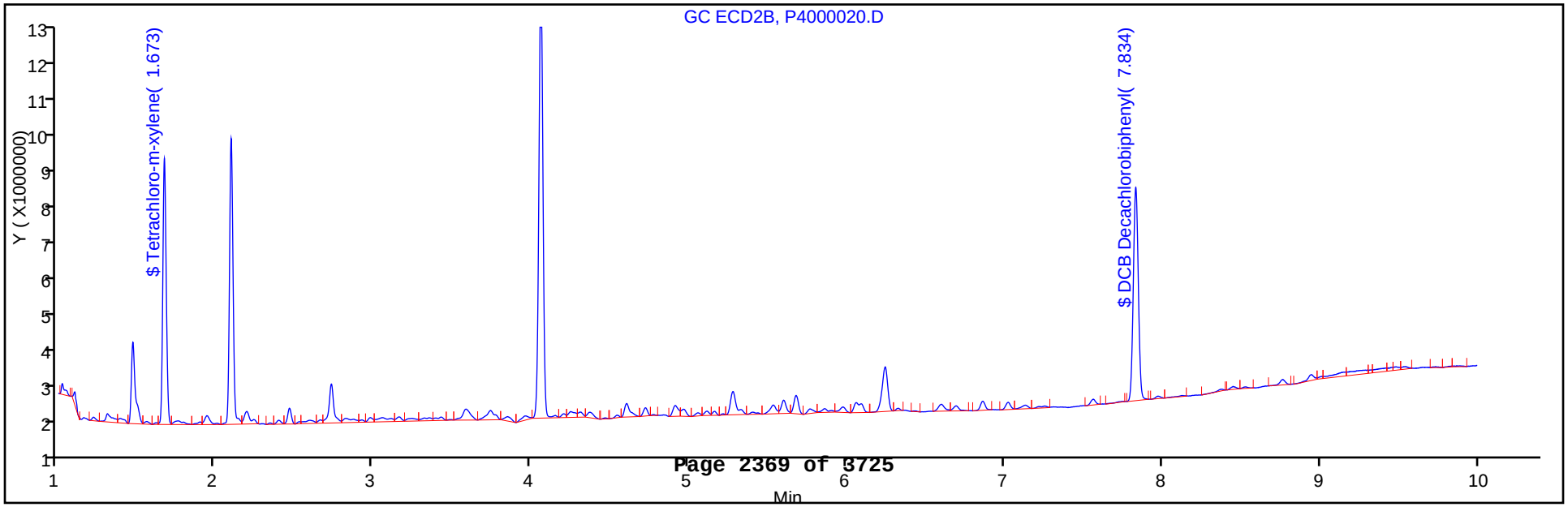
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000020.D		
Injection Date:	21-Dec-2012 11:17:48	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0051M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0051M-0001-SO Lab Sample ID: 240-18581-20

Matrix: Solid Lab File ID: P4000020.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 09:45

Extraction Method: 3540C Date Extracted: 12/19/2012 12:21

Sample wt/vol: 29.91(g) Date Analyzed: 12/21/2012 11:17

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		40-140
2051-24-3	DCB Decachlorobiphenyl	67		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000020.D		
Lims ID:	240-18581-B-20-B	Client ID:	070SB-0051M-0001-SO
Inject. Date:	21-Dec-2012 11:17:48	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-020		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	20
Lims Batch ID:	69717	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:17	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

First Level Reviewer: hassl Date: 21-Dec-2012 13:17:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.269	1.271	-0.002	22383878	0.0161			
2	2	1.673	1.673	0.000	11346192	0.0125			
						RPD = 24.56			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.541						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.712						
2	6		2.134						
2	7		2.530						
2	8		2.980						
2	9		3.118						
2	10		3.221						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.199						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.932						
2	7		5.161						
2	8		5.530						
2	9		6.216						
2	10		6.597						
$ 12 DCB Decachlorobiphenyl									
1	100	6.621	6.622	-0.001	16789223	0.0129			
2	2	7.834	7.834	0.000	13230344	0.0133			
						RPD = 3.28			

QC Flag Legend

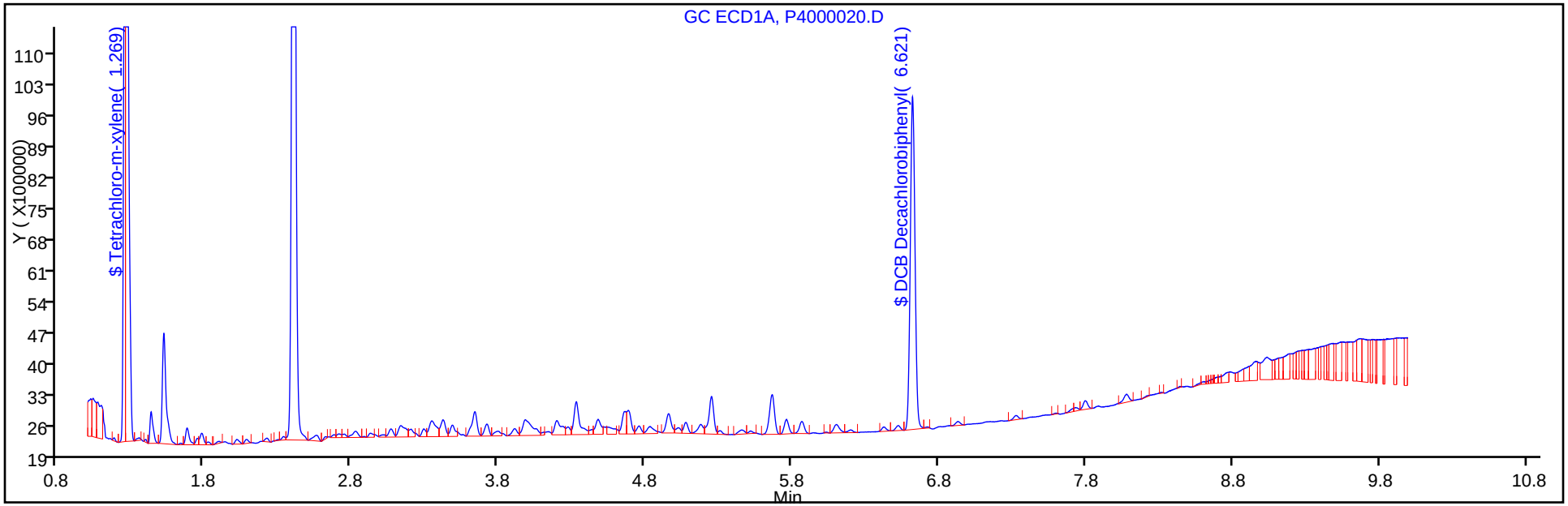
Processing Flags
1 - Missing Peaks

Report Date: 21-Dec-2012 13:23:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

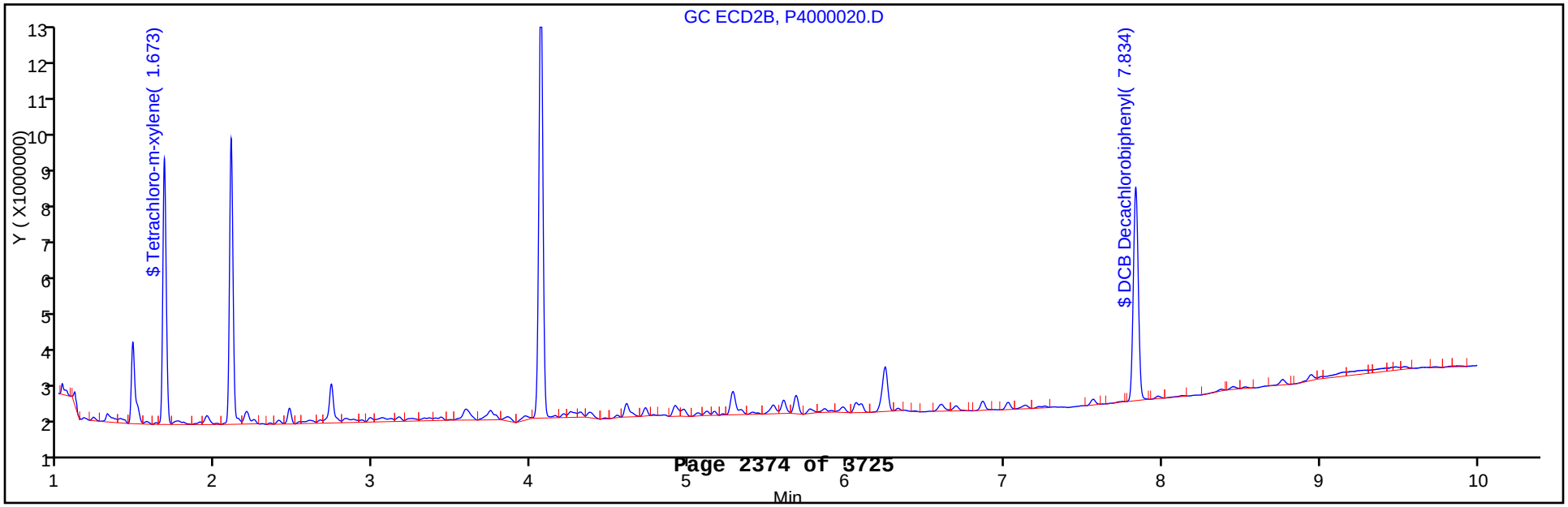
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000020.D		
Injection Date:	21-Dec-2012 11:17:48	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0051M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0052M-0001-SO | Lab Sample ID: 240-18581-21

Matrix: Solid | Lab File ID: P4000021.D

Analysis Method: 8082/DOD | Date Collected: 12/07/2012 10:00

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.32(g) | Date Analyzed: 12/21/2012 11:33

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	24	U	49	24	16
12674-11-2	Aroclor-1016	24	U	64	24	21
11141-16-5	Aroclor-1232	24	U	45	24	14
53469-21-9	Aroclor-1242	24	U	40	24	13
12672-29-6	Aroclor-1248	24	U	54	24	17
11097-69-1	Aroclor-1254	24	U	54	24	17
11096-82-5	Aroclor-1260	24	U	54	24	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	70		40-140
2051-24-3	DCB Decachlorobiphenyl	69		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000021.D
Lims ID: 240-18581-B-21-B
Client ID: 070SB-0052M-0001-SO
Inject. Date: 21-Dec-2012 11:33:40
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0016082-021
Misc. Info.:
Operator:
Instrument ID: A2HP4
Injection Vol: 1.0 uL
ALS Bottle#: 21
Lims Batch ID: 69717
Lims Sample ID: 21
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m
Last Update: 21-Dec-2012 13:23:17
Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK005

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	19636406	0.0141			
2	2	1.673	1.673	0.000	13977871	0.0155			
						RPD = 9.27			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.541						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.712						
2	6		2.134						
2	7		2.530						
2	8		2.980						
2	9		3.118						
2	10		3.221						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.199						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.932						
2	7		5.161						
2	8		5.530						
2	9		6.216						
2	10		6.597						
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	18052968	0.0139			
2	2	7.834	7.834	0.000	13780403	0.0139			
						RPD = 0.10			

QC Flag Legend

Processing Flags
1 - Missing Peaks

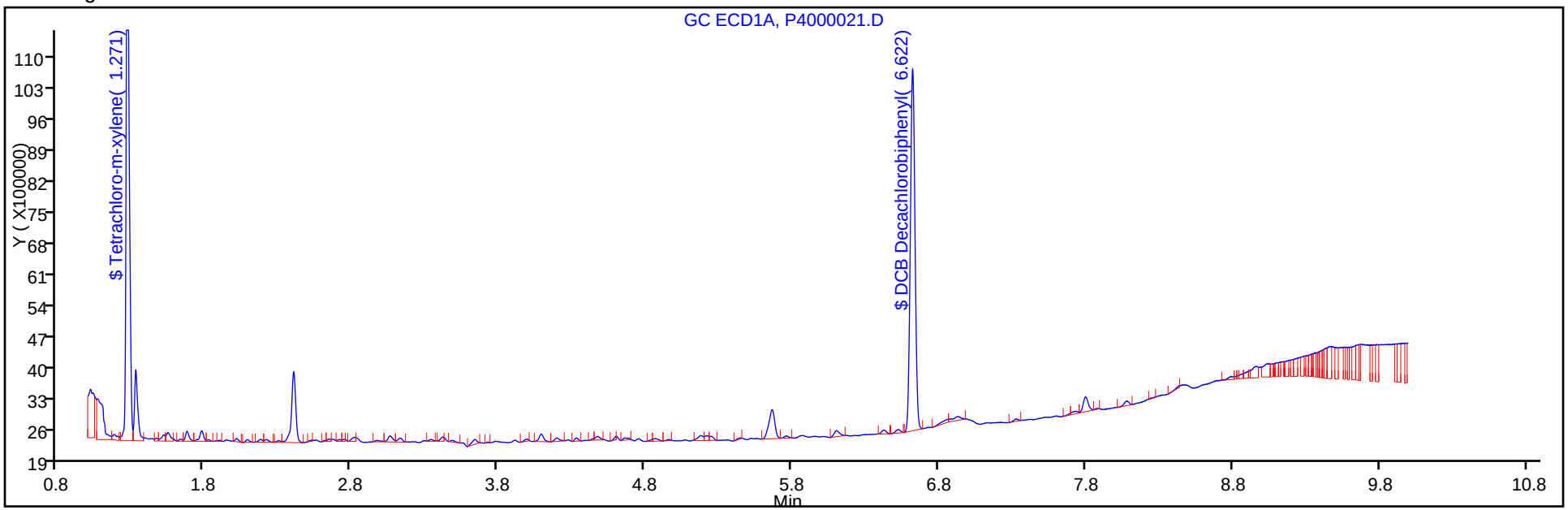
Report Date: 21-Dec-2012 13:23:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

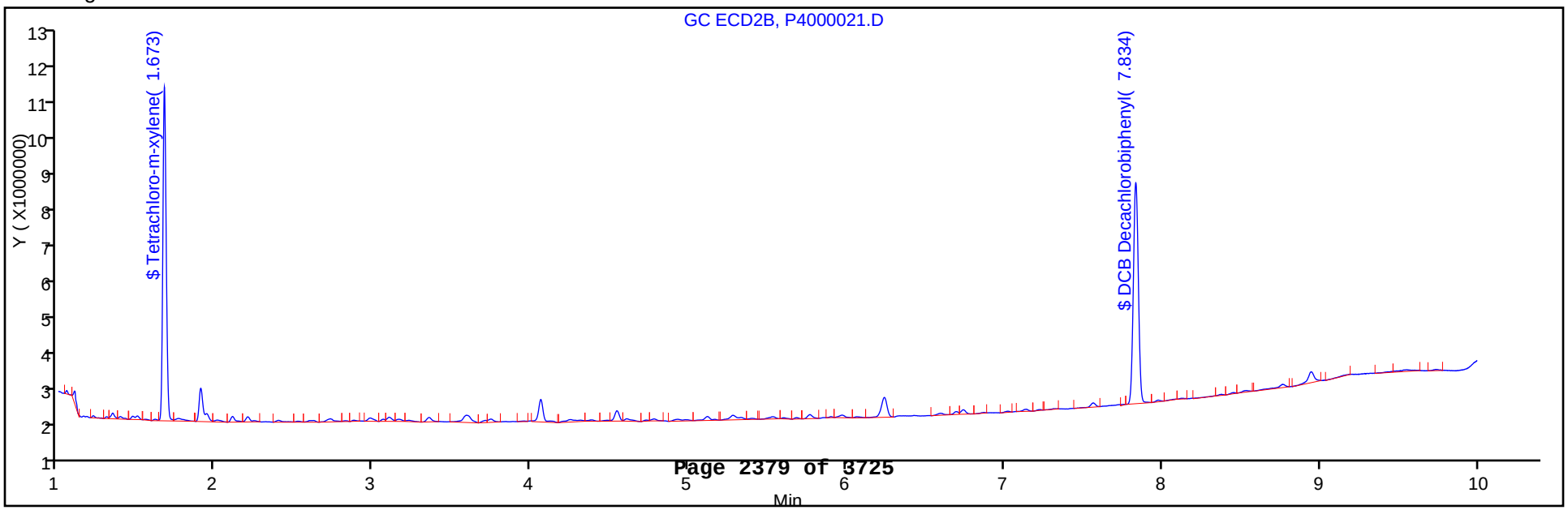
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000021.D

Injection Date:	21-Dec-2012 11:33:40	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0052M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0052M-0001-SO Lab Sample ID: 240-18581-21

Matrix: Solid Lab File ID: P4000021.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:00

Extraction Method: 3540C Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.32(g) Date Analyzed: 12/21/2012 11:33

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		40-140
2051-24-3	DCB Decachlorobiphenyl	70		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000021.D		
Lims ID:	240-18581-B-21-B	Client ID:	070SB-0052M-0001-SO
Inject. Date:	21-Dec-2012 11:33:40	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-021		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	21
Lims Batch ID:	69717	Lims Sample ID:	21
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:17	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	19636406	0.0141			
2	2	1.673	1.673	0.000	13977871	0.0155			
						RPD = 9.27			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.541						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.712						
2	6		2.134						
2	7		2.530						
2	8		2.980						
2	9		3.118						
2	10		3.221						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.199						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.932						
2	7		5.161						
2	8		5.530						
2	9		6.216						
2	10		6.597						
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	18052968	0.0139			
2	2	7.834	7.834	0.000	13780403	0.0139			
						RPD = 0.10			

QC Flag Legend

Processing Flags
1 - Missing Peaks

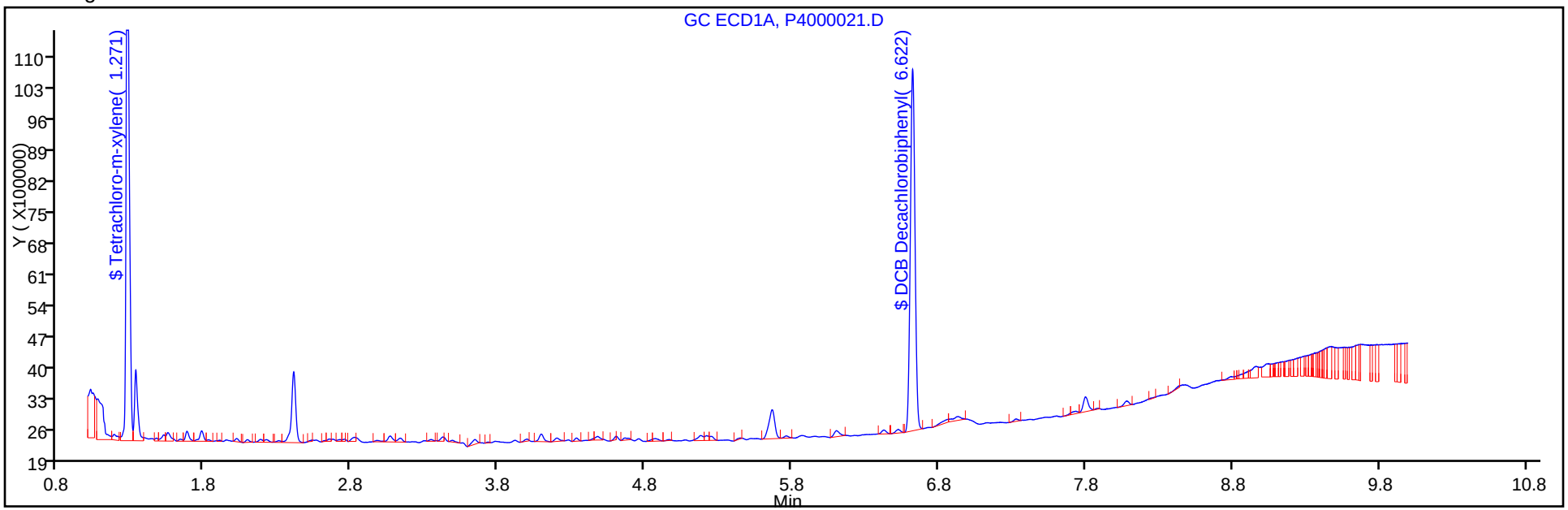
Report Date: 21-Dec-2012 13:23:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

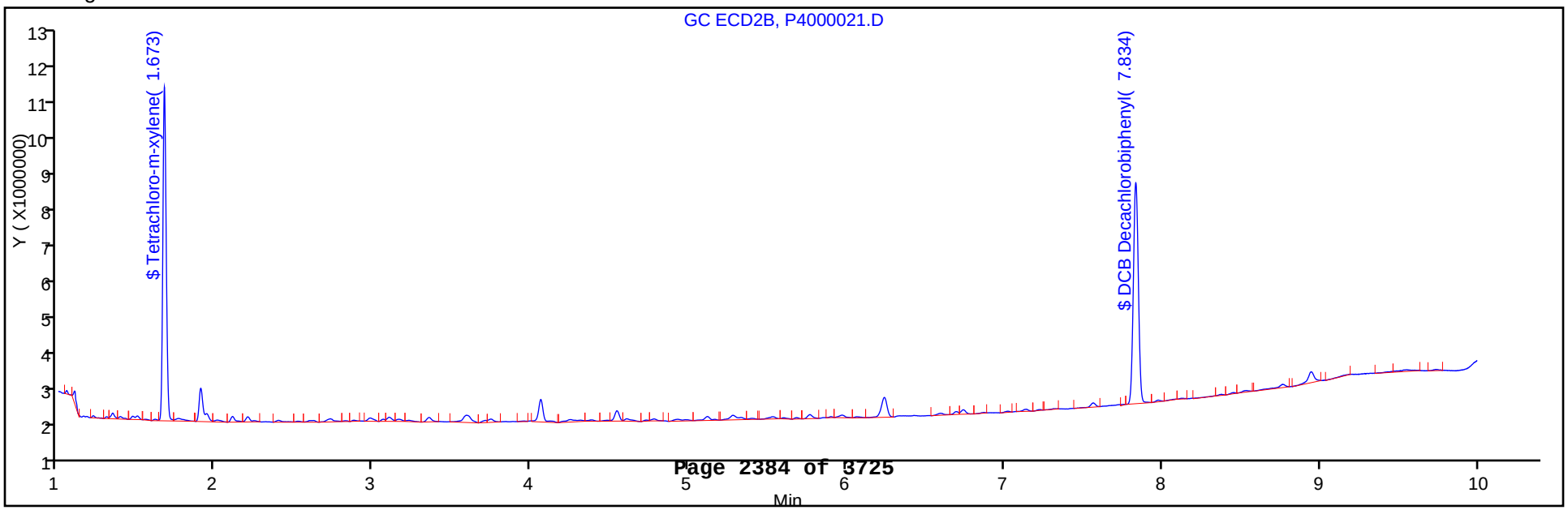
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000021.D

Injection Date:	21-Dec-2012 11:33:40	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0052M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0053M-0001-SO Lab Sample ID: 240-18581-22

Matrix: Solid Lab File ID: P4000022.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:18

Extraction Method: 3540C Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.28(g) Date Analyzed: 12/21/2012 11:49

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	64	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	54	25	17
11097-69-1	Aroclor-1254	25	U	54	25	17
11096-82-5	Aroclor-1260	25	U	54	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		40-140
2051-24-3	DCB Decachlorobiphenyl	77		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000022.D		
Lims ID:	240-18581-B-22-B	Client ID:	070SB-0053M-0001-SO
Inject. Date:	21-Dec-2012 11:49:22	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-022		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	22
Lims Batch ID:	69717	Lims Sample ID:	22
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:17	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	21828591	0.0157			
2	2	1.672	1.673	-0.001	15443487	0.0171			
						RPD = 8.66			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.541						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.712						
2	6		2.134						
2	7		2.530						
2	8		2.980						
2	9		3.118						
2	10		3.221						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.199						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.932						
2	7		5.161						
2	8		5.530						
2	9		6.216						
2	10		6.597						
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	19950923	0.0153			
2	2	7.835	7.834	0.001	15215761	0.0154			
						RPD = 0.01			

QC Flag Legend

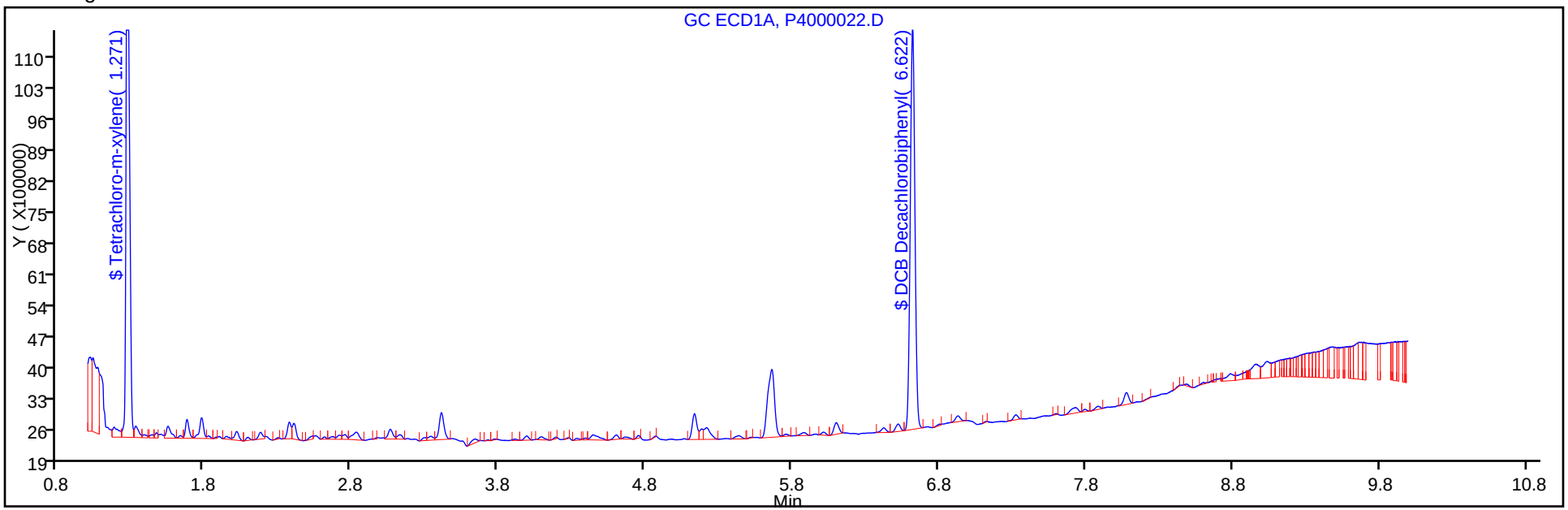
Processing Flags
1 - Missing Peaks

Report Date: 21-Dec-2012 13:23:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

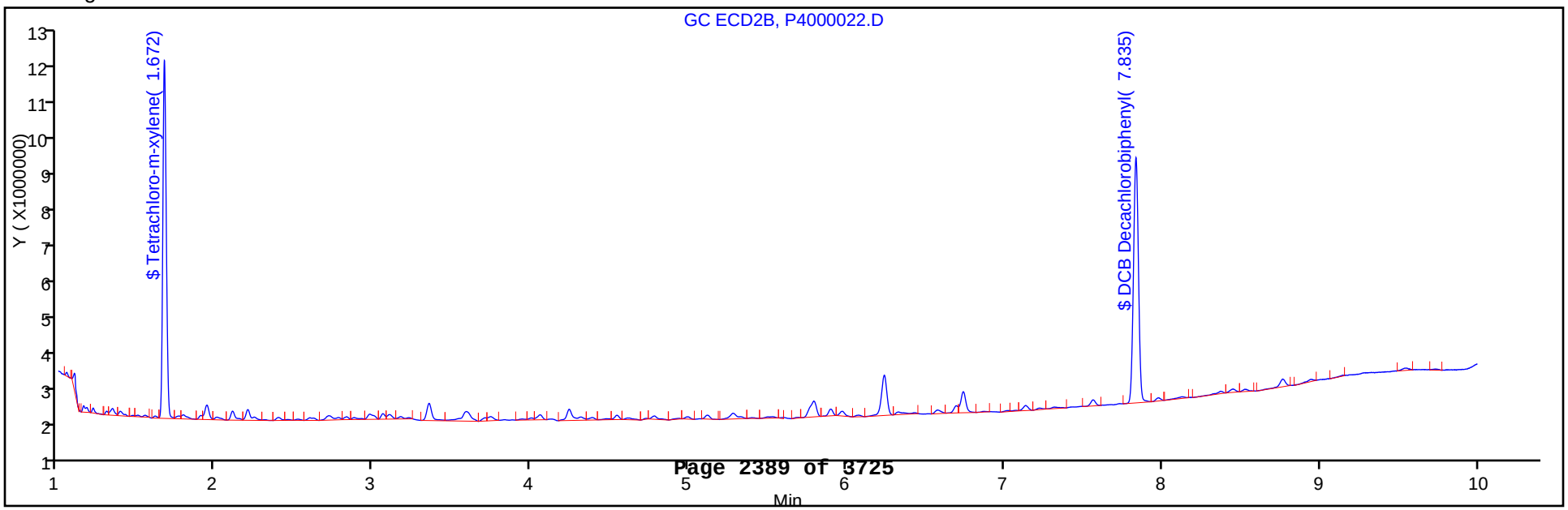
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000022.D		
Injection Date:	21-Dec-2012 11:49:22	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0053M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0053M-0001-SO Lab Sample ID: 240-18581-22

Matrix: Solid Lab File ID: P4000022.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:18

Extraction Method: 3540C Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.28(g) Date Analyzed: 12/21/2012 11:49

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85		40-140
2051-24-3	DCB Decachlorobiphenyl	77		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000022.D		
Lims ID:	240-18581-B-22-B	Client ID:	070SB-0053M-0001-SO
Inject. Date:	21-Dec-2012 11:49:22	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-022		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	22
Lims Batch ID:	69717	Lims Sample ID:	22
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:17	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	21828591	0.0157			
2	2	1.672	1.673	-0.001	15443487	0.0171			
						RPD = 8.66			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.541						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.712						
2	6		2.134						
2	7		2.530						
2	8		2.980						
2	9		3.118						
2	10		3.221						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.199						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.932						
2	7		5.161						
2	8		5.530						
2	9		6.216						
2	10		6.597						
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	19950923	0.0153			
2	2	7.835	7.834	0.001	15215761	0.0154			
						RPD = 0.01			

QC Flag Legend

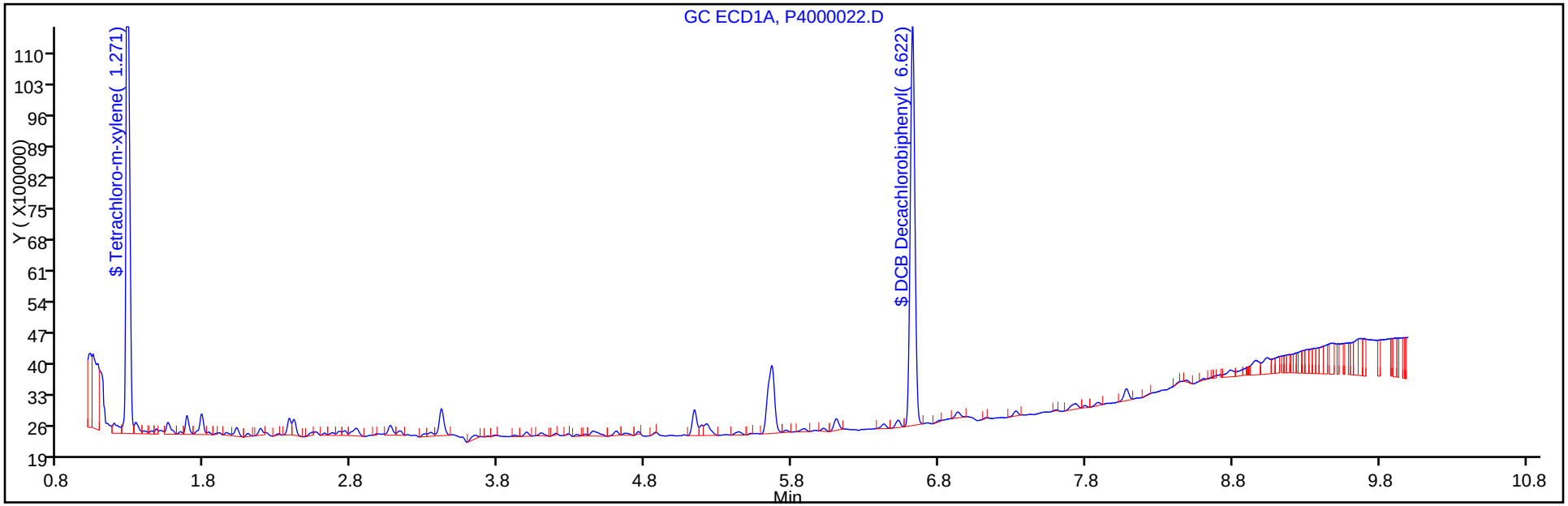
Processing Flags
1 - Missing Peaks

Report Date: 21-Dec-2012 13:23:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

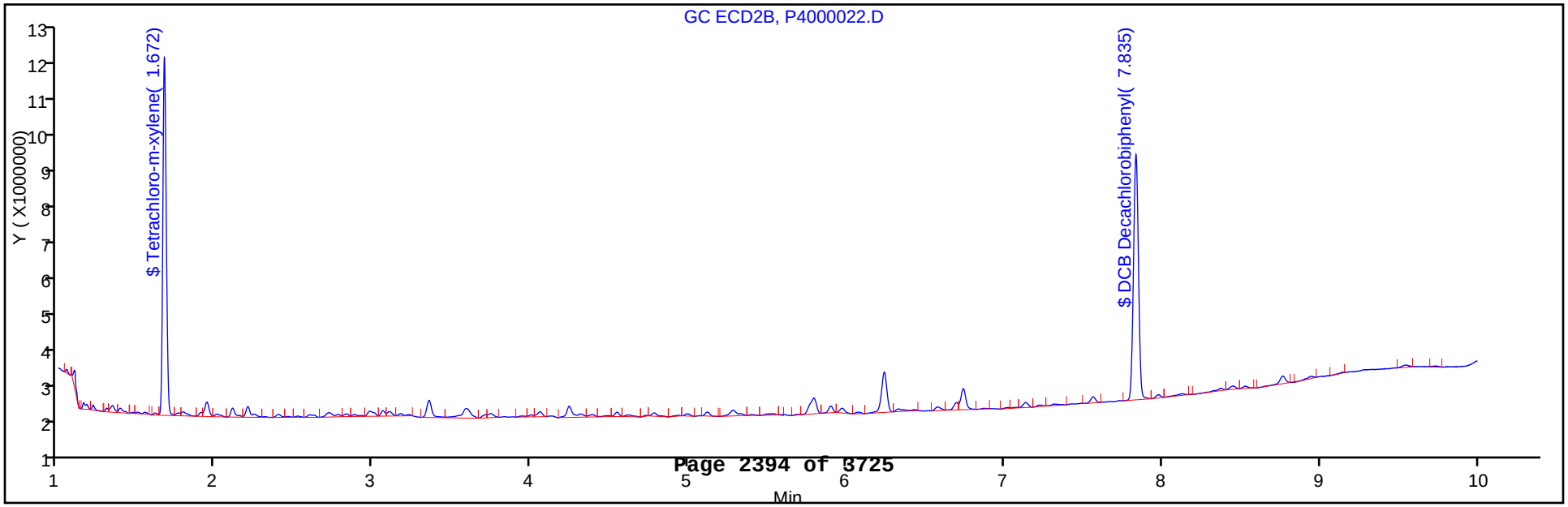
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000022.D		
Injection Date:	21-Dec-2012 11:49:22	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0053M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0054M-0001-SO | Lab Sample ID: 240-18581-23

Matrix: Solid | Lab File ID: P4000023.D

Analysis Method: 8082/DOD | Date Collected: 12/07/2012 10:25

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.44(g) | Date Analyzed: 12/21/2012 12:05

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	24	U	49	24	16
12674-11-2	Aroclor-1016	24	U	64	24	21
11141-16-5	Aroclor-1232	24	U	44	24	14
53469-21-9	Aroclor-1242	24	U	39	24	13
12672-29-6	Aroclor-1248	24	U	54	24	17
11097-69-1	Aroclor-1254	24	U	54	24	17
11096-82-5	Aroclor-1260	24	U	54	24	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		40-140
2051-24-3	DCB Decachlorobiphenyl	78		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000023.D		
Lims ID:	240-18581-B-23-B	Client ID:	070SB-0054M-0001-SO
Inject. Date:	21-Dec-2012 12:05:09	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-023		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	23
Lims Batch ID:	69717	Lims Sample ID:	23
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:17	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 13:16:34

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	22371689	0.0161			
2	2	1.674	1.673	0.001	15270945	0.0169			
						RPD = 5.08			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.541						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.712						
2	6		2.134						
2	7		2.530						
2	8		2.980						
2	9		3.118						
2	10		3.221						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

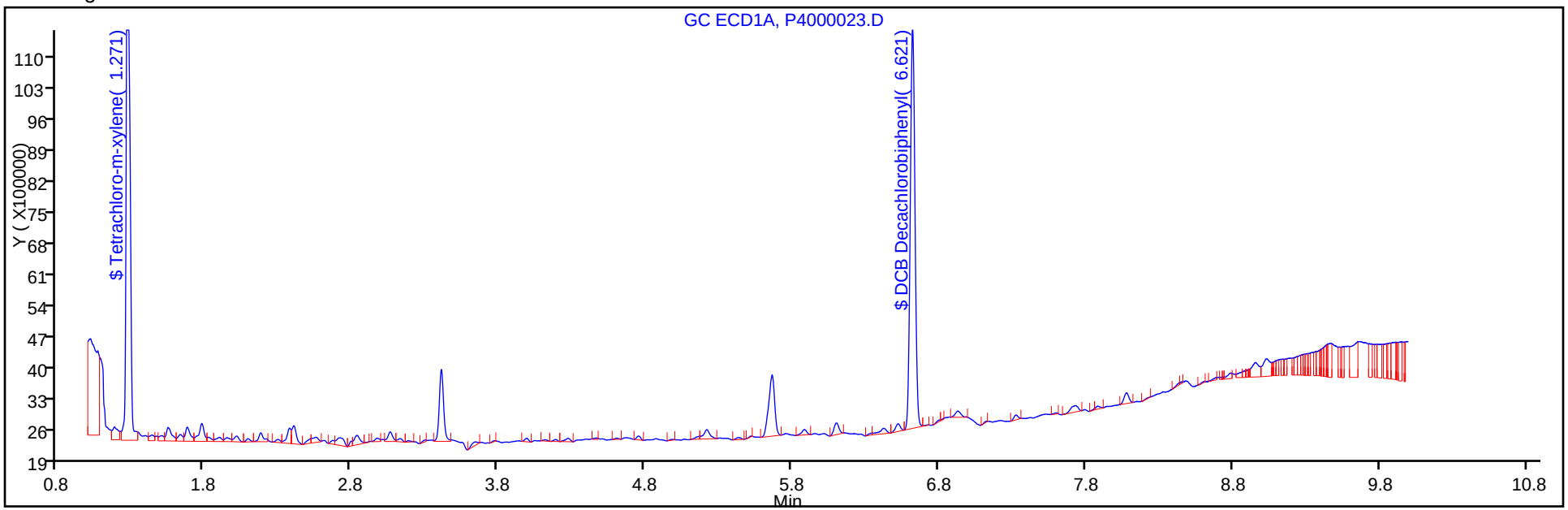
Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.199						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.932						
2	7		5.161						
2	8		5.530						
2	9		6.216						
2	10		6.597						
$ 12 DCB Decachlorobiphenyl									
1	100	6.621	6.622	-0.001	20257017	0.0156			
2	2	7.835	7.834	0.001	15536777	0.0157			
						RPD = 0.58			

Report Date: 21-Dec-2012 13:23:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

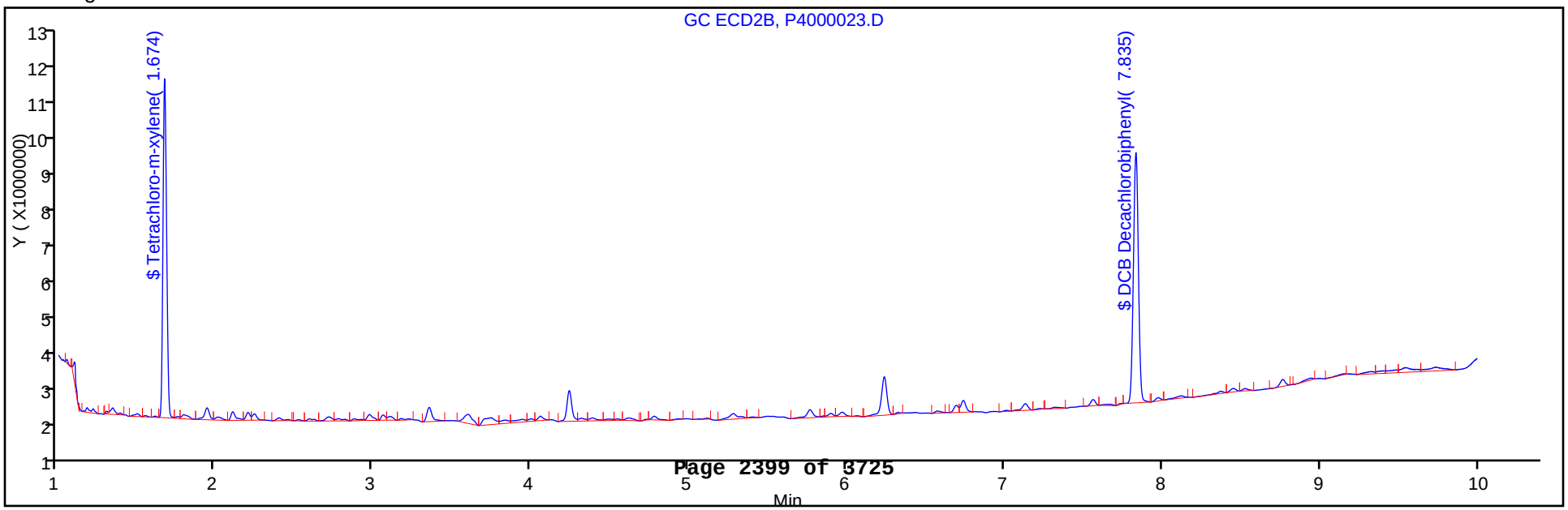
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000023.D		
Injection Date:	21-Dec-2012 12:05:09	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0054M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0054M-0001-SO Lab Sample ID: 240-18581-23

Matrix: Solid Lab File ID: P4000023.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:25

Extraction Method: 3540C Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.44(g) Date Analyzed: 12/21/2012 12:05

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84		40-140
2051-24-3	DCB Decachlorobiphenyl	78		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000023.D		
Lims ID:	240-18581-B-23-B	Client ID:	070SB-0054M-0001-SO
Inject. Date:	21-Dec-2012 12:05:09	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016082-023		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	23
Lims Batch ID:	69717	Lims Sample ID:	23
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:17	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 13:16:34

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	22371689	0.0161			
2	2	1.674	1.673	0.001	15270945	0.0169			
						RPD = 5.08			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.541						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.712						
2	6		2.134						
2	7		2.530						
2	8		2.980						
2	9		3.118						
2	10		3.221						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

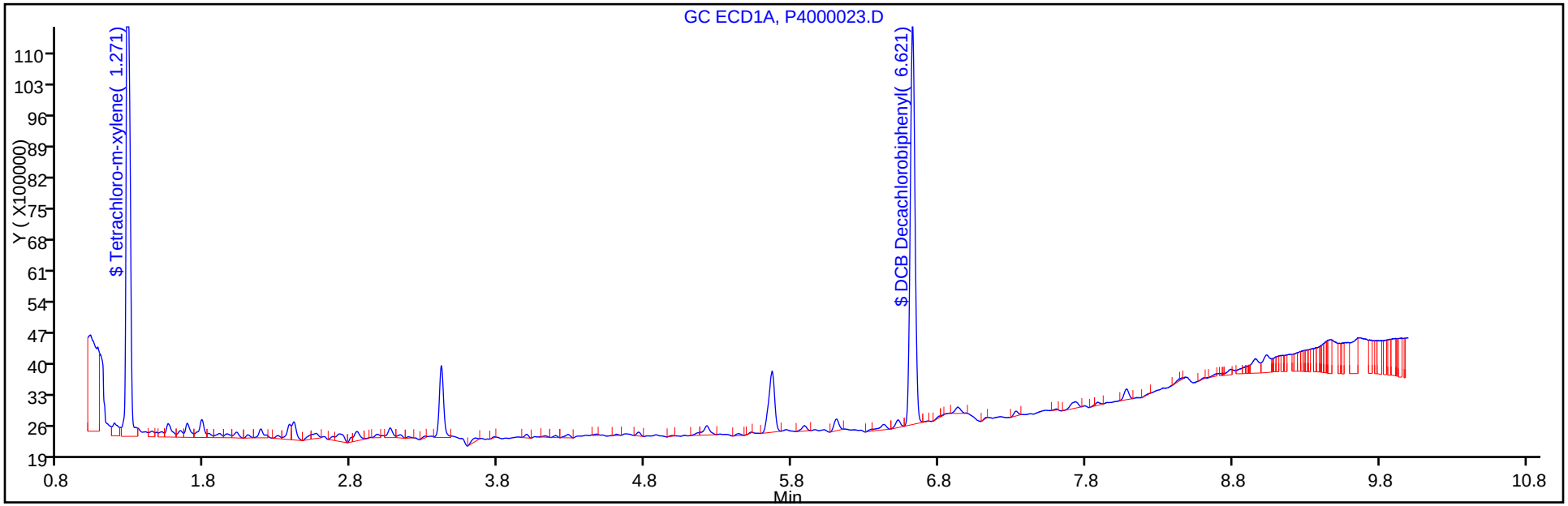
Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.199						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.932						
2	7		5.161						
2	8		5.530						
2	9		6.216						
2	10		6.597						
$ 12 DCB Decachlorobiphenyl									
1	100	6.621	6.622	-0.001	20257017	0.0156			
2	2	7.835	7.834	0.001	15536777	0.0157			
						RPD = 0.58			

Report Date: 21-Dec-2012 13:23:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

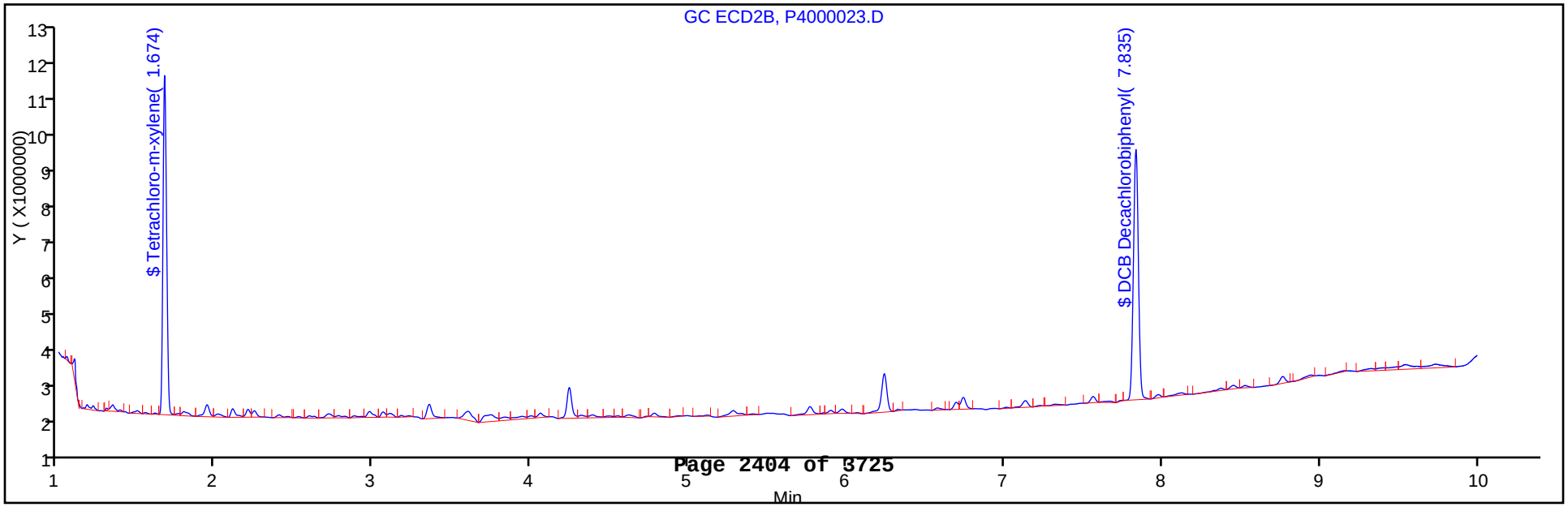
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000023.D		
Injection Date:	21-Dec-2012 12:05:09	Limit Group:	GC 8082A ICAL
Client ID:	070SB-0054M-0001-SO	Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 08:26 Calibration End Date: 12/04/2012 09:45 Calibration ID: 12610

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/3	P4000003.D
Level 2	STD01 240-67207/4	P4000004.D
Level 3	STD02 240-67207/5	P4000005.D
Level 4	STD05 240-67207/6	P4000006.D
Level 5	STD1 240-67207/7	P4000007.D
Level 6	STD2 240-67207/8	P4000008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	1.539	1.540	1.540	1.540	1.541	1.541					1.439 - 1.639	1.540
PCB-1232 Peak 2	1.822	1.823	1.824	1.823	1.824	1.824					1.722 - 1.922	1.823
PCB-1232 Peak 3	2.212	2.214	2.214	2.214	2.215	2.215					2.112 - 2.312	2.214
PCB-1232 Peak 4	2.333	2.335	2.334	2.335	2.335	2.335					2.233 - 2.433	2.335
PCB-1232 Peak 5	2.713	2.714	2.714	2.714	2.714	2.714					2.613 - 2.813	2.714

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 08:26 Calibration End Date: 12/04/2012 09:45 Calibration ID: 12610

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/3	P4000003.D
Level 2	STD01 240-67207/4	P4000004.D
Level 3	STD02 240-67207/5	P4000005.D
Level 4	STD05 240-67207/6	P4000006.D
Level 5	STD1 240-67207/7	P4000007.D
Level 6	STD2 240-67207/8	P4000008.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1232 Peak 1	31415360 23684495	30100060 22530470	28162100	25347182	Ave		26873277.8				13.0		20.0			
PCB-1232 Peak 2	22460180 16846099	20787230 16024024	20103585	18091954	Ave		19052178.6				13.0		20.0			
PCB-1232 Peak 3	42431420 36417775	40268950 36009386	40162165	37770238	Ave		38843322.3				6.5		20.0			
PCB-1232 Peak 4	18177940 15775239	16958190 15316653	18156135	16821922	Ave		16867679.8				7.0		20.0			
PCB-1232 Peak 5	17308560 14619816	16652450 13756583	16802790	15554354	Ave		15782425.4				8.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 08:26 Calibration End Date: 12/04/2012 09:45 Calibration ID: 12610

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/3	P4000003.D
Level 2	STD01 240-67207/4	P4000004.D
Level 3	STD02 240-67207/5	P4000005.D
Level 4	STD05 240-67207/6	P4000006.D
Level 5	STD1 240-67207/7	P4000007.D
Level 6	STD2 240-67207/8	P4000008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Ave	1570768 45060939	3010006	5632420	12673591	23684495	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	Ave	1123009 32048047	2078723	4020717	9045977	16846099	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	Ave	2121571 72018772	4026895	8032433	18885119	36417775	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	Ave	908897 30633305	1695819	3631227	8410961	15775239	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	Ave	865428 27513165	1665245	3360558	7777177	14619816	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000003.D
Lims ID: STD005 1232 Client ID:
Inject. Date: 04-Dec-2012 08:26:39 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015497-003
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 67207 Lims Sample ID: 3
Sublist: chrom-PCB4*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:30 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.539	1.539	0.000	1570768	0.0585		100.0	
1	2	1.822	1.822	0.000	1123009	0.0589	46.4- 96.4	71.5	
1	3	2.212	2.212	0.000	2121571	0.0546	117.6- 167.6	135.1	
1	4	2.333	2.333	0.000	908897	0.0539	39.5- 89.5	57.9	
1	5	2.713	2.713	0.000	865428	0.0548	34.7- 84.7	55.1	
			Average of Peak Amounts =			0.0561			
2	6	2.133	2.133	0.000	1100379	0.0607		100.0	
2	7	2.530	2.530	0.000	971024	0.0390	49.8- 109.8	88.2	
2	8	2.979	2.979	0.000	1609138	0.0579	120.0- 180.0	146.2	
2	9	3.118	3.118	0.000	777297	0.0624	37.4- 97.4	70.6	
2	10	3.728	3.728	0.000	591569	0.0576	26.1- 86.1	53.8	
			Average of Peak Amounts =			0.0555			
						RPD = 1.16			

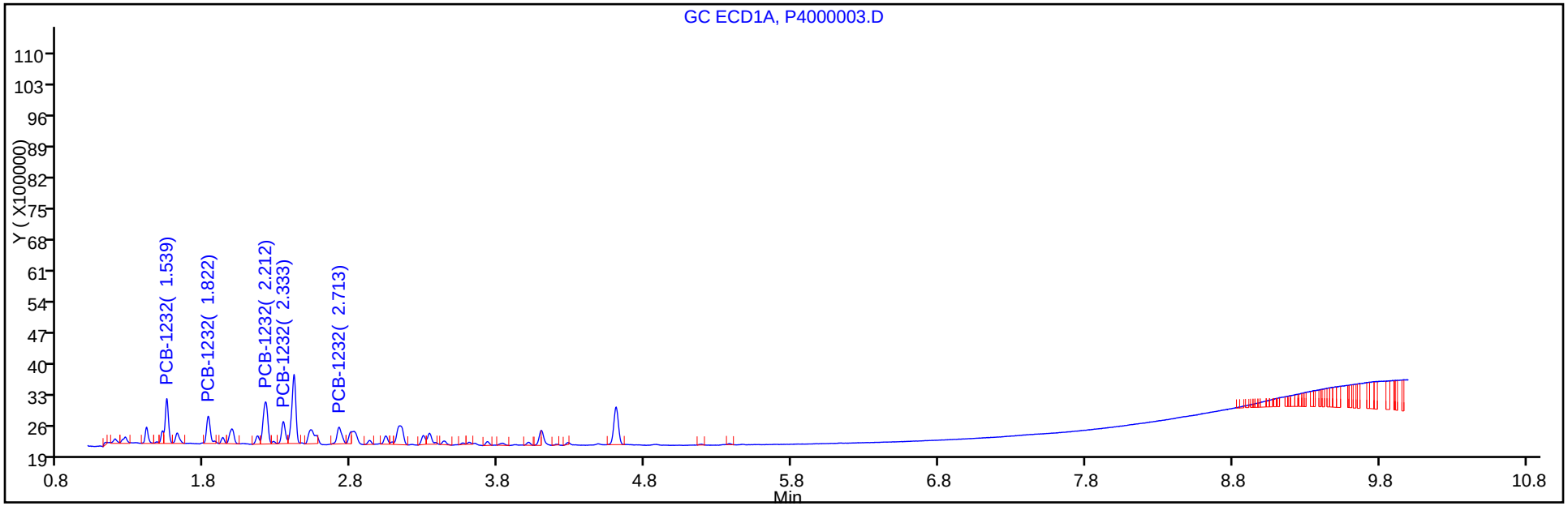
Report Date: 05-Dec-2012 06:34:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

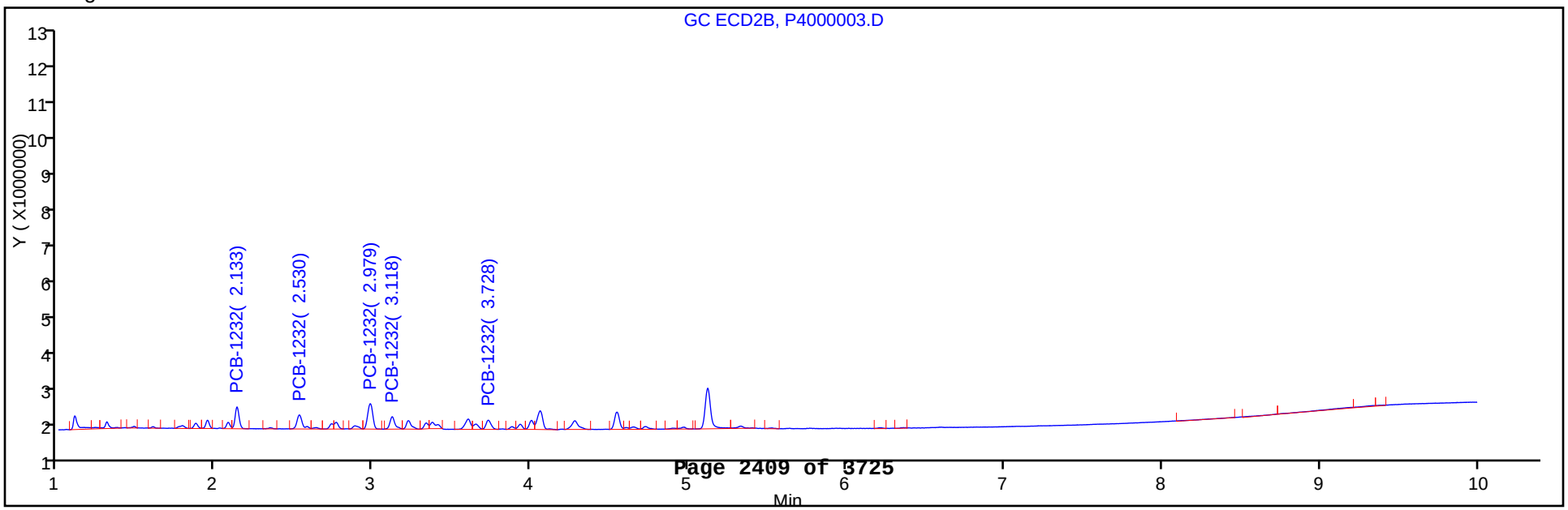
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000003.D

Injection Date:	04-Dec-2012 08:26:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000004.D
Lims ID: STD01 1232 Client ID:
Inject. Date: 04-Dec-2012 08:42:21 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015497-004
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 67207 Lims Sample ID: 4
Sublist: chrom-PCB4*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:29 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.540	1.539	0.001	3010006	0.1120		100.0	
1	2	1.823	1.822	0.001	2078723	0.1091	46.4- 96.4	69.1	
1	3	2.214	2.212	0.002	4026895	0.1037	117.6- 167.6	133.8	
1	4	2.335	2.333	0.002	1695819	0.1005	39.5- 89.5	56.3	
1	5	2.714	2.713	0.001	1665245	0.1055	34.7- 84.7	55.3	
			Average of Peak Amounts =			0.1062			
2	6	2.135	2.133	0.002	2040782	0.1125		100.0	
2	7	2.530	2.530	0.000	1864212	0.1140	49.8- 109.8	91.3	
2	8	2.979	2.979	0.000	2985658	0.1075	120.0- 180.0	146.3	
2	9	3.118	3.118	0.000	1359176	0.1090	37.4- 97.4	66.6	
2	10	3.729	3.728	0.001	1183355	0.1152	26.1- 86.1	58.0	
			Average of Peak Amounts =			0.1116			
						RPD = 5.02			

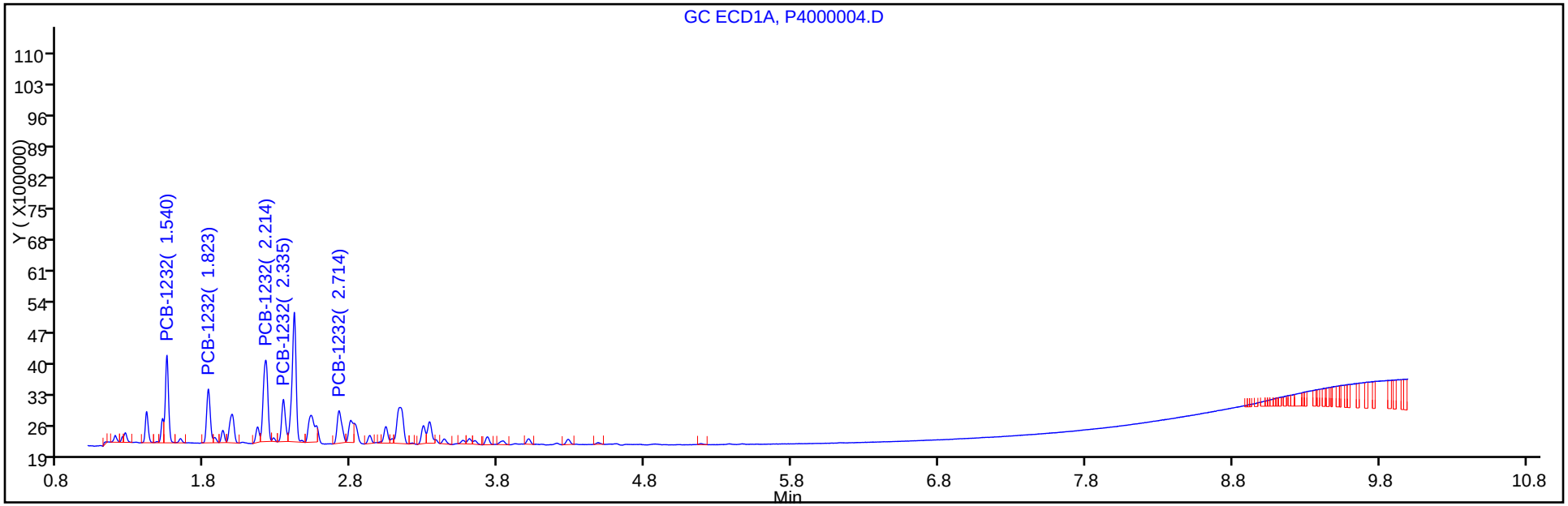
Report Date: 05-Dec-2012 06:34:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

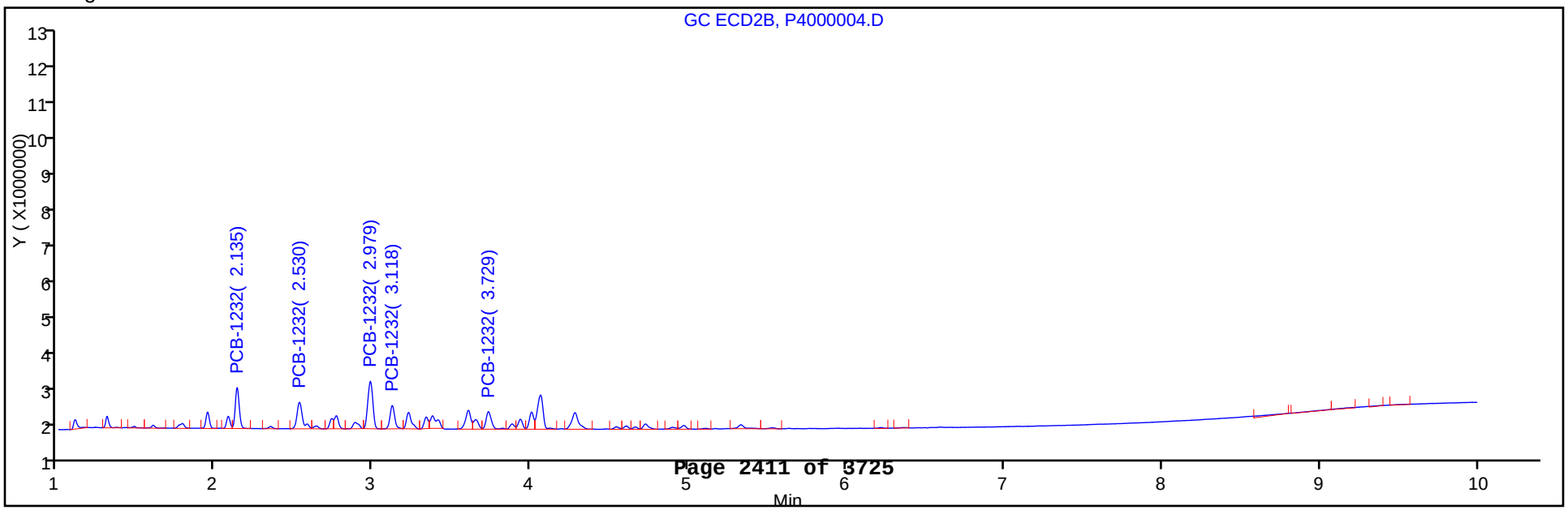
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000004.D

Injection Date:	04-Dec-2012 08:42:21	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000005.D
Lims ID: STD02 1232 Client ID:
Inject. Date: 04-Dec-2012 08:58:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015497-005
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 67207 Lims Sample ID: 5
Sublist: chrom-PCB4*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:27 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.540	1.539	0.001	5632420	0.2096		100.0	
1	2	1.824	1.822	0.002	4020717	0.2110	46.4- 96.4	71.4	
1	3	2.214	2.212	0.002	8032433	0.2068	117.6- 167.6	142.6	
1	4	2.334	2.333	0.001	3631227	0.2153	39.5- 89.5	64.5	
1	5	2.714	2.713	0.001	3360558	0.2129	34.7- 84.7	59.7	
			Average of Peak Amounts =			0.2111			
2	6	2.135	2.133	0.002	3747719	0.2066		100.0	
2	7	2.529	2.530	-0.001	2990811	0.2086	49.8- 109.8	79.8	
2	8	2.981	2.979	0.002	5619964	0.2023	120.0- 180.0	150.0	
2	9	3.119	3.118	0.001	2526630	0.2027	37.4- 97.4	67.4	
2	10	3.730	3.728	0.002	2101564	0.2046	26.1- 86.1	56.1	
			Average of Peak Amounts =			0.2049			
						RPD = 2.97			

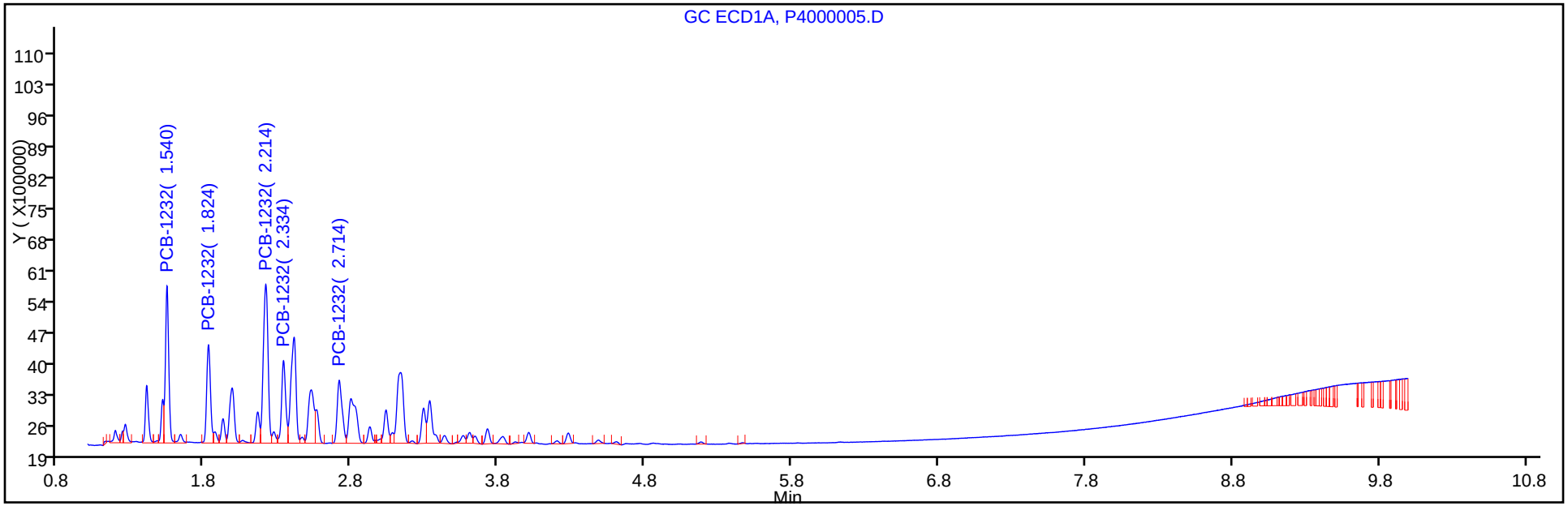
Report Date: 05-Dec-2012 06:34:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

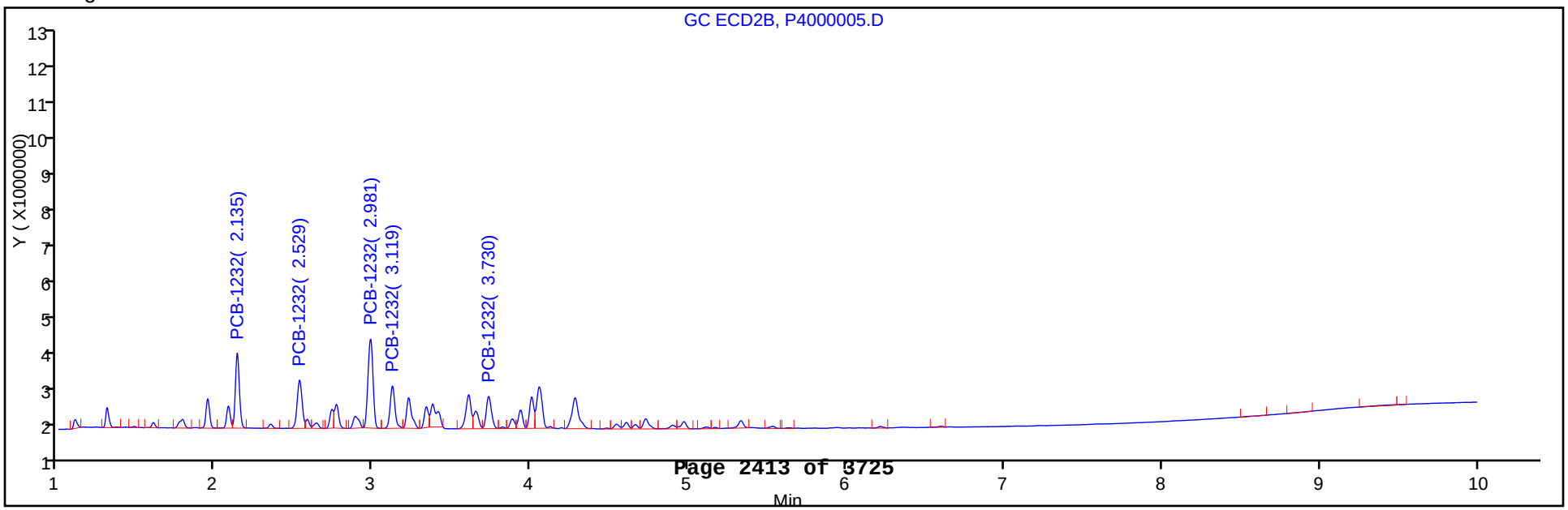
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000005.D

Injection Date:	04-Dec-2012 08:58:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000006.D		
Lims ID:	STD05 1232	Client ID:	
Inject. Date:	04-Dec-2012 09:13:53	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015497-006		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	67207	Lims Sample ID:	6
Sublist:	chrom-PCB4*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m		
Last Update:	05-Dec-2012 06:34:25	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		

First Level Reviewer: hassl Date: 05-Dec-2012 06:22:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.540	1.539	0.001	12673591	0.4716		100.0	
1	2	1.823	1.822	0.001	9045977	0.4748	46.4- 96.4	71.4	
1	3	2.214	2.212	0.002	18885119	0.4862	117.6- 167.6	149.0	
1	4	2.335	2.333	0.002	8410961	0.4986	39.5- 89.5	66.4	
1	5	2.714	2.713	0.001	7777177	0.4928	34.7- 84.7	61.4	
			Average of Peak Amounts =			0.4848			
2	6	2.135	2.133	0.002	8464181	0.4666		100.0	
2	7	2.530	2.530	0.000	6769826	0.5260	49.8- 109.8	80.0	M
2	8	2.981	2.979	0.002	13209796	0.4754	120.0- 180.0	156.1	
2	9	3.119	3.118	0.001	5881996	0.4718	37.4- 97.4	69.5	
2	10	3.729	3.728	0.001	4845031	0.4716	26.1- 86.1	57.2	
			Average of Peak Amounts =			0.4823			
						RPD = 0.52			

QC Flag Legend

Review Flags
M - Manually Integrated

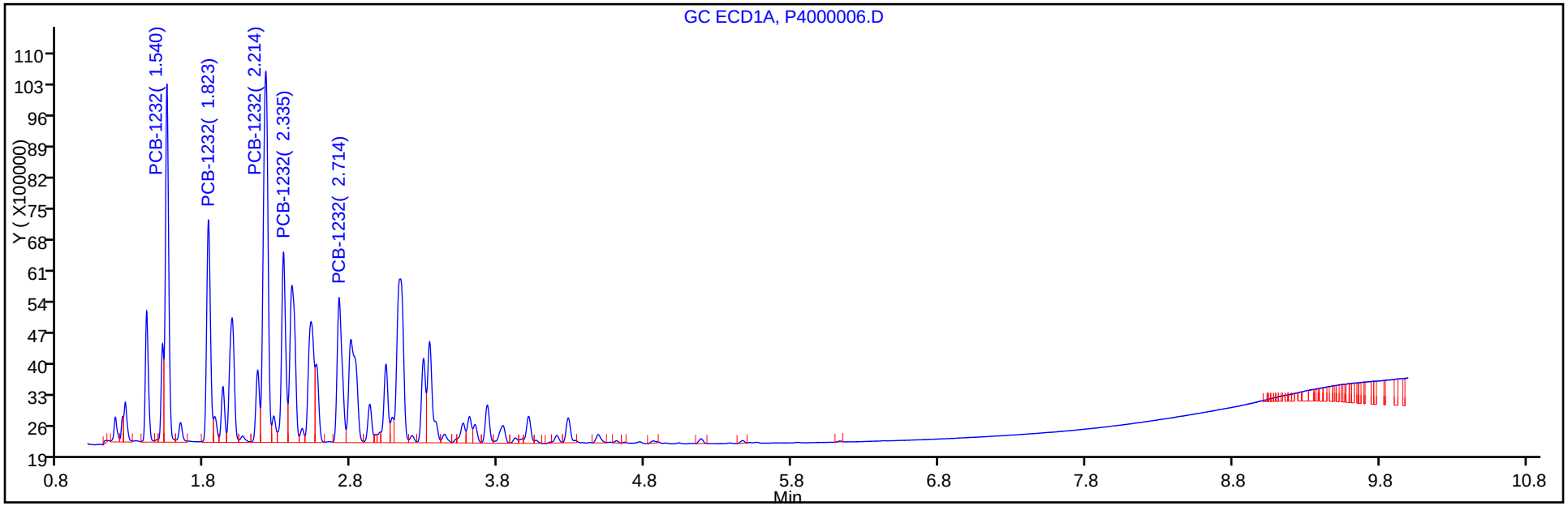
Report Date: 05-Dec-2012 06:34:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

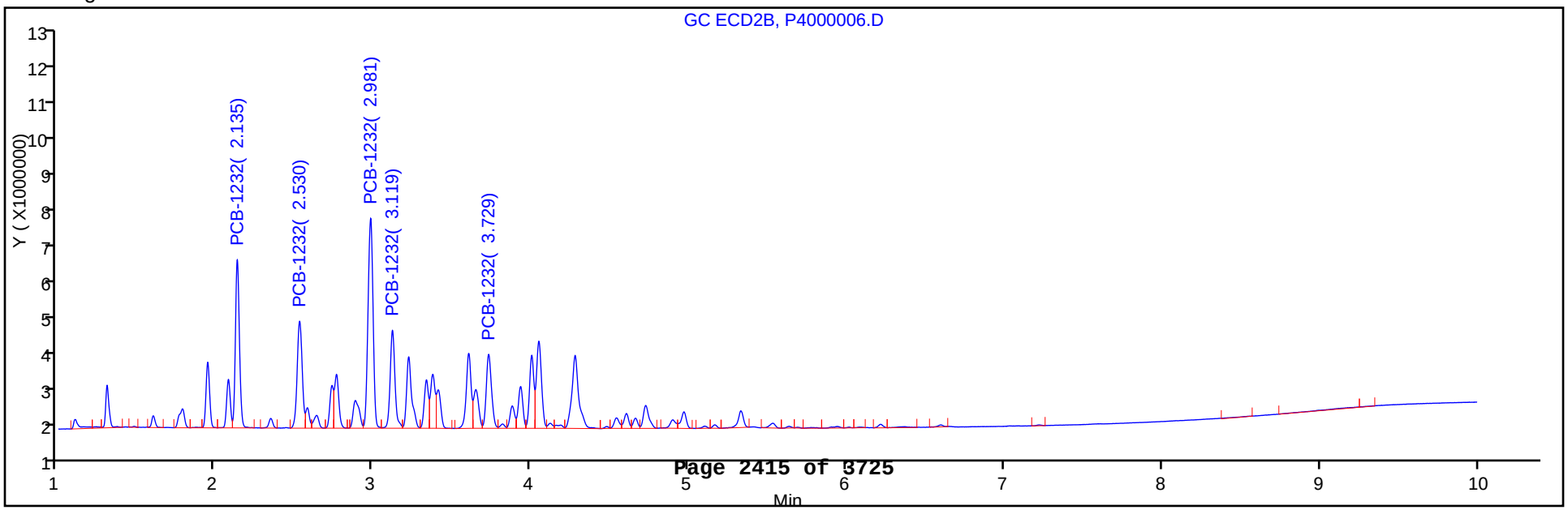
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000006.D

Injection Date:	04-Dec-2012 09:13:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000007.D		
Lims ID:	STD1 1232	Client ID:	
Inject. Date:	04-Dec-2012 09:29:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015497-007		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	67207	Lims Sample ID:	7
Sublist:	chrom-PCB4*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m		
Last Update:	05-Dec-2012 06:34:24	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		

First Level Reviewer: hassl Date: 05-Dec-2012 06:22:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.541	1.539	0.002	23684495	0.8813		100.0	
1	2	1.824	1.822	0.002	16846099	0.8842	46.4- 96.4	71.1	
1	3	2.215	2.212	0.003	36417775	0.9376	117.6- 167.6	153.8	
1	4	2.335	2.333	0.002	15775239	0.9352	39.5- 89.5	66.6	
1	5	2.714	2.713	0.001	14619816	0.9263	34.7- 84.7	61.7	M
			Average of Peak Amounts =			0.9129			
2	6	2.135	2.133	0.002	15780105	0.8698		100.0	
2	7	2.531	2.530	0.001	12490287	1.01	49.8- 109.8	79.2	
2	8	2.981	2.979	0.002	25320630	0.9113	120.0- 180.0	160.5	
2	9	3.119	3.118	0.001	10915518	0.8756	37.4- 97.4	69.2	
2	10	3.729	3.728	0.001	8998240	0.8759	26.1- 86.1	57.0	
			Average of Peak Amounts =			0.9078			
						RPD = 0.56			

QC Flag Legend

Review Flags
M - Manually Integrated

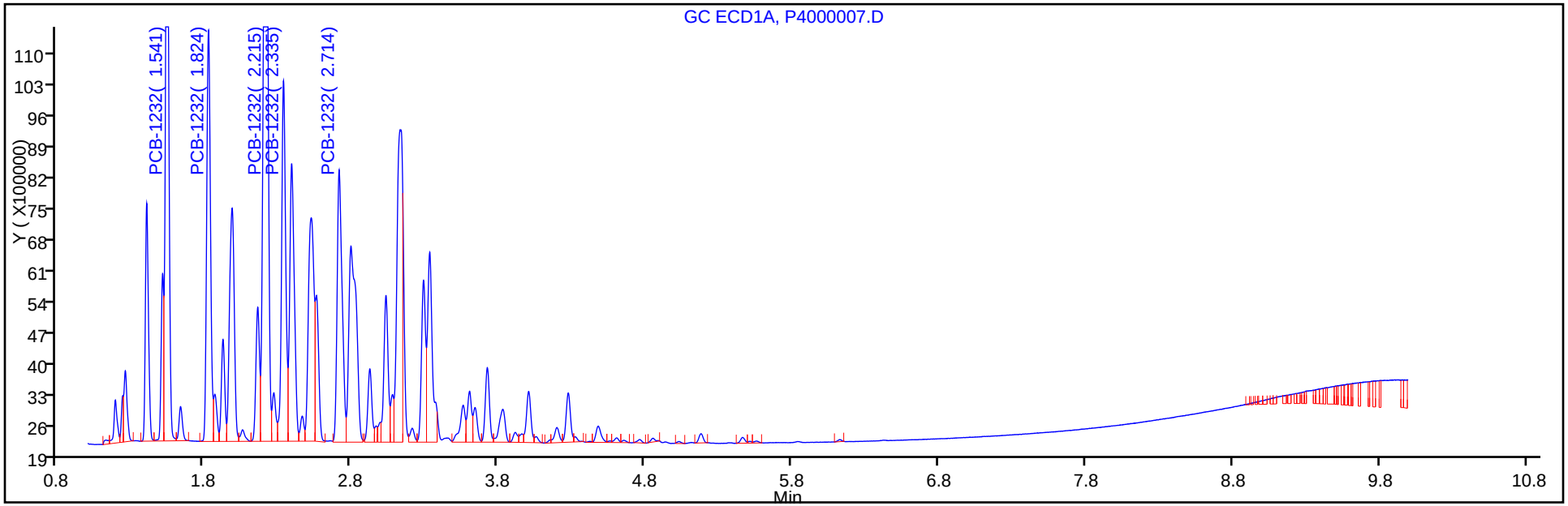
Report Date: 05-Dec-2012 06:34:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

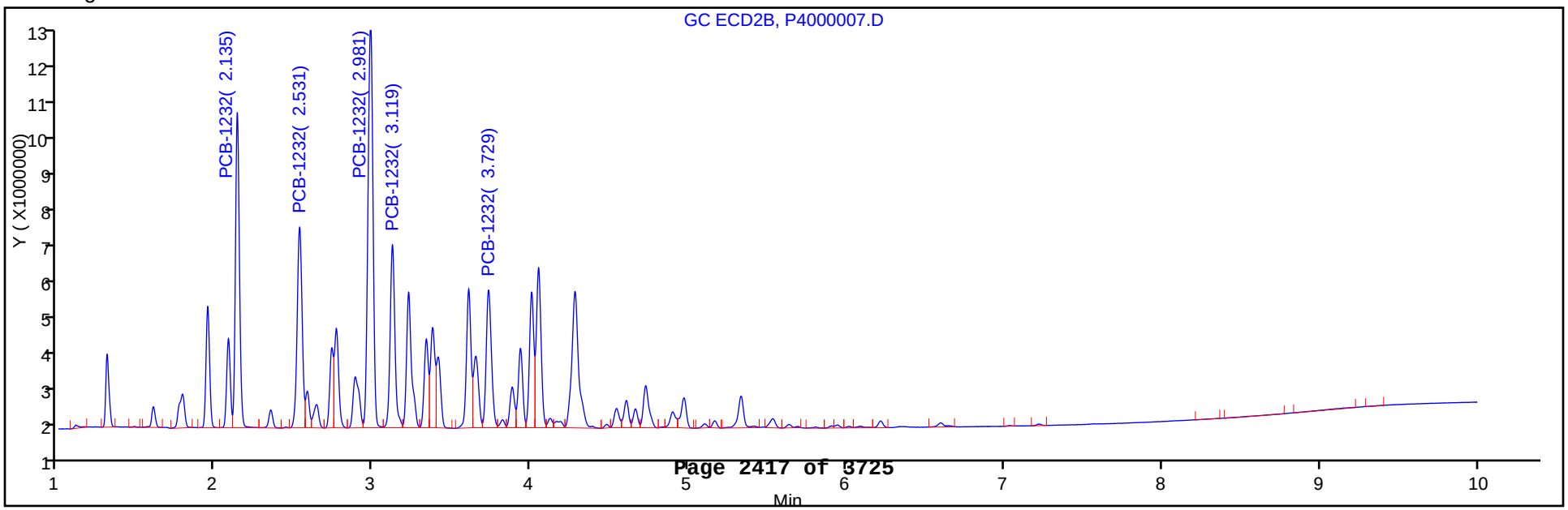
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000007.D

Injection Date:	04-Dec-2012 09:29:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



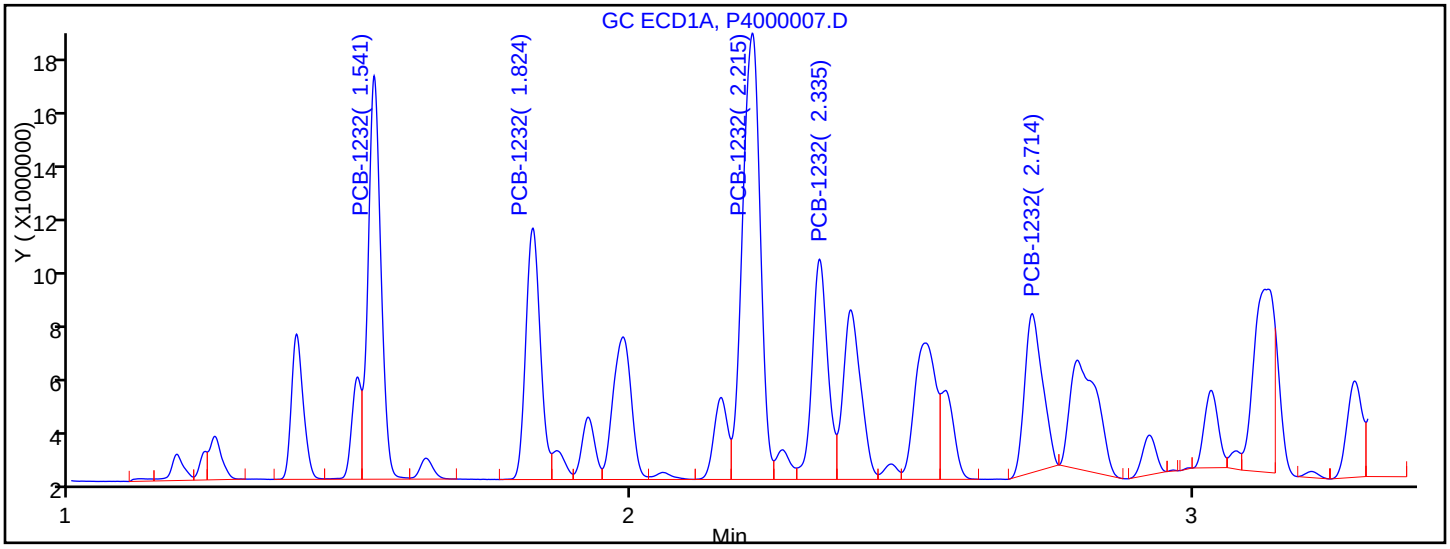
Report Date: 05-Dec-2012 06:34:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000007.D

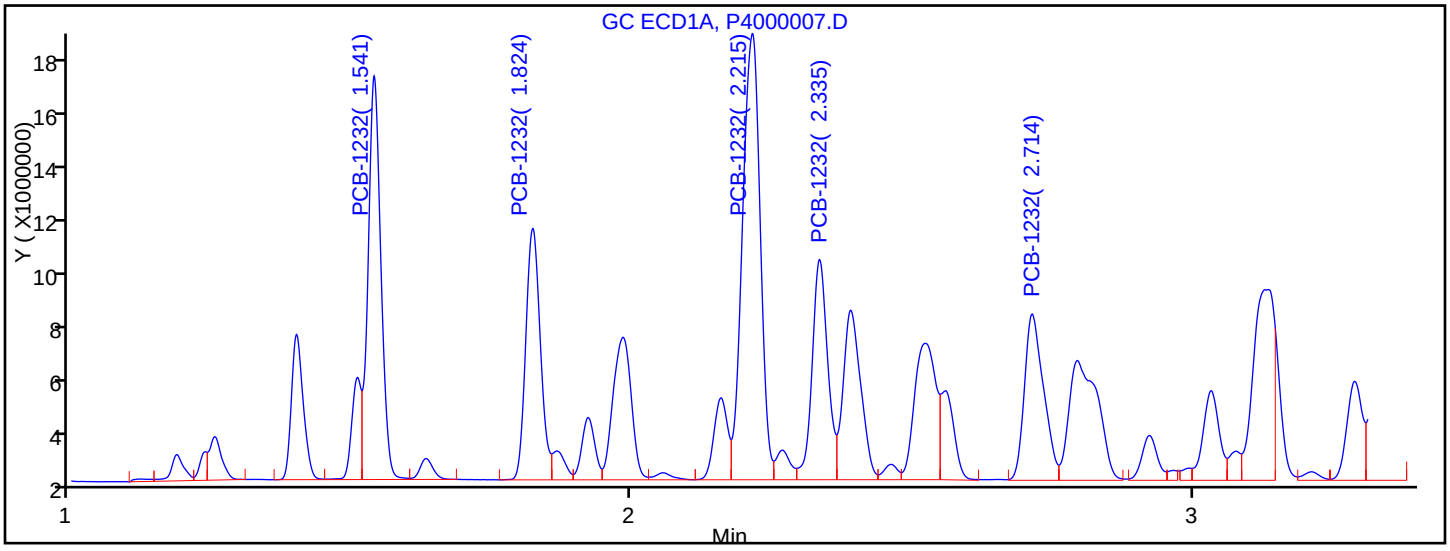
Injection Date:	04-Dec-2012 09:29:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.541	Response = 23684495	
RT = 1.824	Response = 16846099	
RT = 2.215	Response = 36417775	
RT = 2.335	Response = 15775239	
RT = 2.714	Response = 13053589	M



Manual Integration Results

RT = 1.541	Response = 23684495	
RT = 1.824	Response = 16846099	
RT = 2.215	Response = 36417775	
RT = 2.335	Response = 15775239	
RT = 2.714	Response = 14619816	M

Reviewer: hassl, 05-Dec-2012 06:22:16

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000008.D		
Lims ID:	STD2 1232	Client ID:	
Inject. Date:	04-Dec-2012 09:45:19	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0015497-008		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	67207	Lims Sample ID:	8
Sublist:	chrom-PCB4*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m		
Last Update:	05-Dec-2012 06:34:22	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		

First Level Reviewer: hassl Date: 05-Dec-2012 06:22:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.541	1.539	0.002	45060939	1.68		100.0	
1	2	1.824	1.822	0.002	32048047	1.68	46.4- 96.4	71.1	
1	3	2.215	2.212	0.003	72018772	1.85	117.6- 167.6	159.8	
1	4	2.335	2.333	0.002	30633305	1.82	39.5- 89.5	68.0	
1	5	2.714	2.713	0.001	27513165	1.74	34.7- 84.7	61.1	
			Average of Peak Amounts =			1.75			
2	6	2.136	2.133	0.003	29972119	1.65		100.0	
2	7	2.531	2.530	0.001	23793657	1.96	49.8- 109.8	79.4	M
2	8	2.981	2.979	0.002	49675741	1.79	120.0- 180.0	165.7	
2	9	3.120	3.118	0.002	20699268	1.66	37.4- 97.4	69.1	
2	10	3.730	3.728	0.002	17556570	1.71	26.1- 86.1	58.6	
			Average of Peak Amounts =			1.75			
						RPD = 0.08			

QC Flag Legend

Review Flags
M - Manually Integrated

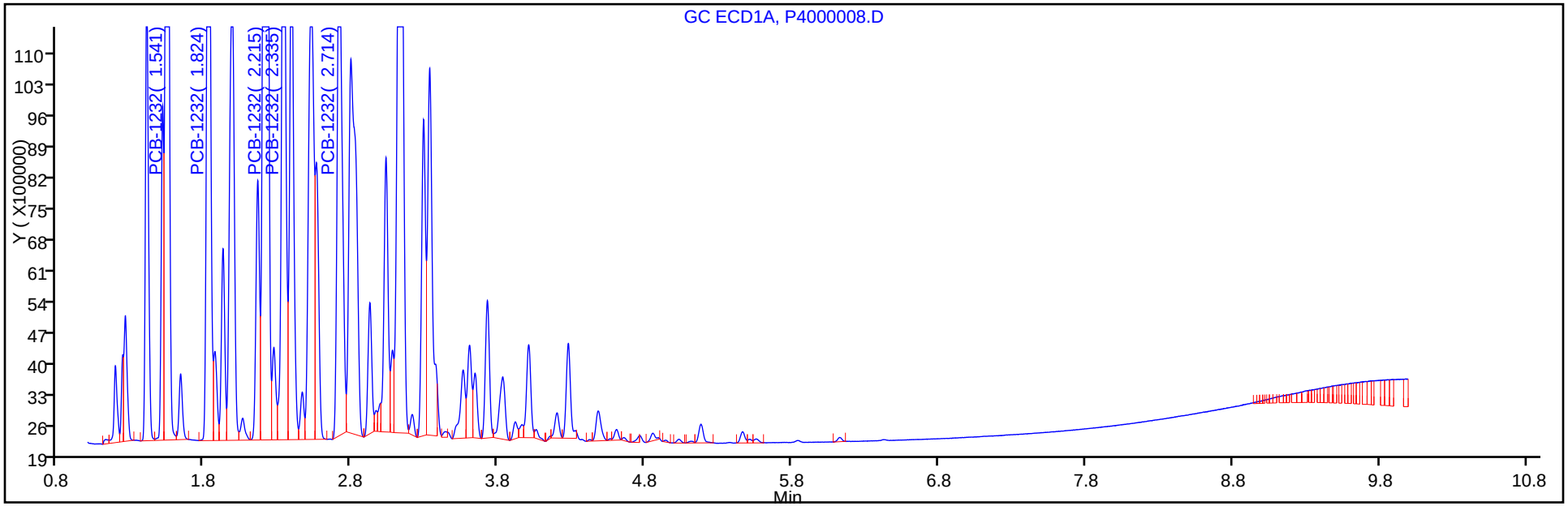
Report Date: 05-Dec-2012 06:34:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

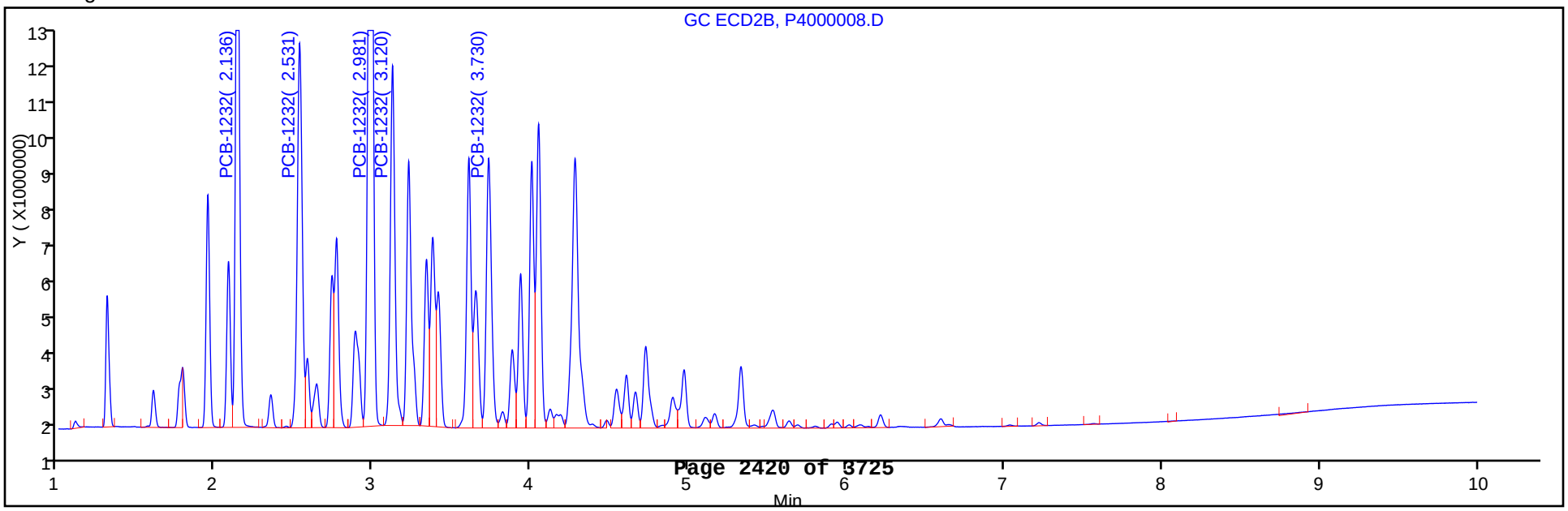
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000008.D

Injection Date:	04-Dec-2012 09:45:19	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 08:26 Calibration End Date: 12/04/2012 09:45 Calibration ID: 12611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/3	P4000003.D
Level 2	STD01 240-67207/4	P4000004.D
Level 3	STD02 240-67207/5	P4000005.D
Level 4	STD05 240-67207/6	P4000006.D
Level 5	STD1 240-67207/7	P4000007.D
Level 6	STD2 240-67207/8	P4000008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	2.133	2.135	2.135	2.135	2.135	2.136					2.033 - 2.233	2.135
PCB-1232 Peak 2	2.530	2.530	2.529	2.530	2.531	2.531					2.430 - 2.630	2.530
PCB-1232 Peak 3	2.979	2.979	2.981	2.981	2.981	2.981					2.879 - 3.079	2.980
PCB-1232 Peak 4	3.118	3.118	3.119	3.119	3.119	3.120					3.018 - 3.218	3.119
PCB-1232 Peak 5	3.728	3.729	3.730	3.729	3.729	3.730					3.628 - 3.828	3.729

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 08:26 Calibration End Date: 12/04/2012 09:45 Calibration ID: 12611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/3	P4000003.D
Level 2	STD01 240-67207/4	P4000004.D
Level 3	STD02 240-67207/5	P4000005.D
Level 4	STD05 240-67207/6	P4000006.D
Level 5	STD1 240-67207/7	P4000007.D
Level 6	STD2 240-67207/8	P4000008.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1232 Peak 1	22007580 15780105	20407820 14986059	18738595	16928362	Ave		18141420.3				15.0		20.0			
PCB-1232 Peak 2	19420480 12490287	18642120 11896829	14954055	13539652	Lin1	506600.799	11906548.6							0.9980		0.9900
PCB-1232 Peak 3	32182760 25320630	29856580 24837871	28099820	26419592	Ave		27786208.8				10.0		20.0			
PCB-1232 Peak 4	15545940 10915518	13591760 10349634	12633150	11763992	Ave		12466665.7				15.0		20.0			
PCB-1232 Peak 5	11831380 8998240	11833550 8778285	10507820	9690062	Ave		10273222.8				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 08:26 Calibration End Date: 12/04/2012 09:45 Calibration ID: 12611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/3	P4000003.D
Level 2	STD01 240-67207/4	P4000004.D
Level 3	STD02 240-67207/5	P4000005.D
Level 4	STD05 240-67207/6	P4000006.D
Level 5	STD1 240-67207/7	P4000007.D
Level 6	STD2 240-67207/8	P4000008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Ave	1100379 29972119	2040782	3747719	8464181	15780105	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	Lin1	971024 23793657	1864212	2990811	6769826	12490287	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	Ave	1609138 49675741	2985658	5619964	13209796	25320630	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	Ave	777297 20699268	1359176	2526630	5881996	10915518	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	Ave	591569 17556570	1183355	2101564	4845031	8998240	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000003.D
Lims ID: STD005 1232 Client ID:
Inject. Date: 04-Dec-2012 08:26:39 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015497-003
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 67207 Lims Sample ID: 3
Sublist: chrom-PCB4*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:30 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.539	1.539	0.000	1570768	0.0585		100.0	
1	2	1.822	1.822	0.000	1123009	0.0589	46.4- 96.4	71.5	
1	3	2.212	2.212	0.000	2121571	0.0546	117.6- 167.6	135.1	
1	4	2.333	2.333	0.000	908897	0.0539	39.5- 89.5	57.9	
1	5	2.713	2.713	0.000	865428	0.0548	34.7- 84.7	55.1	
			Average of Peak Amounts =			0.0561			
2	6	2.133	2.133	0.000	1100379	0.0607		100.0	
2	7	2.530	2.530	0.000	971024	0.0390	49.8- 109.8	88.2	
2	8	2.979	2.979	0.000	1609138	0.0579	120.0- 180.0	146.2	
2	9	3.118	3.118	0.000	777297	0.0624	37.4- 97.4	70.6	
2	10	3.728	3.728	0.000	591569	0.0576	26.1- 86.1	53.8	
			Average of Peak Amounts =			0.0555			
						RPD = 1.16			

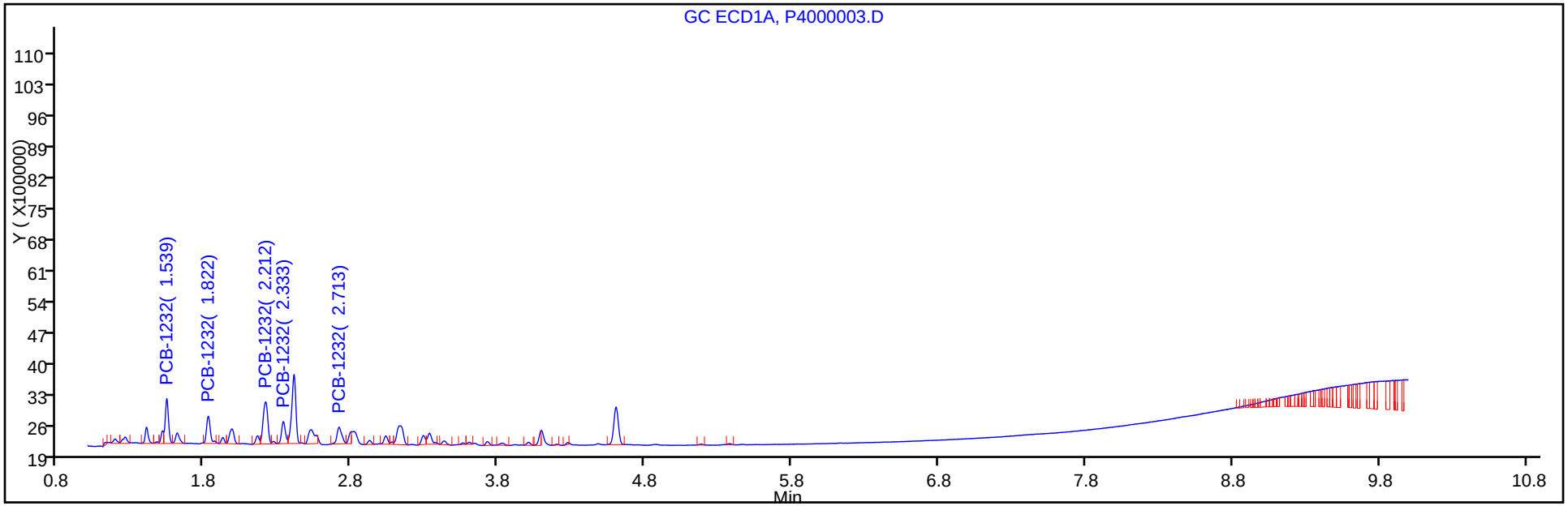
Report Date: 05-Dec-2012 06:34:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

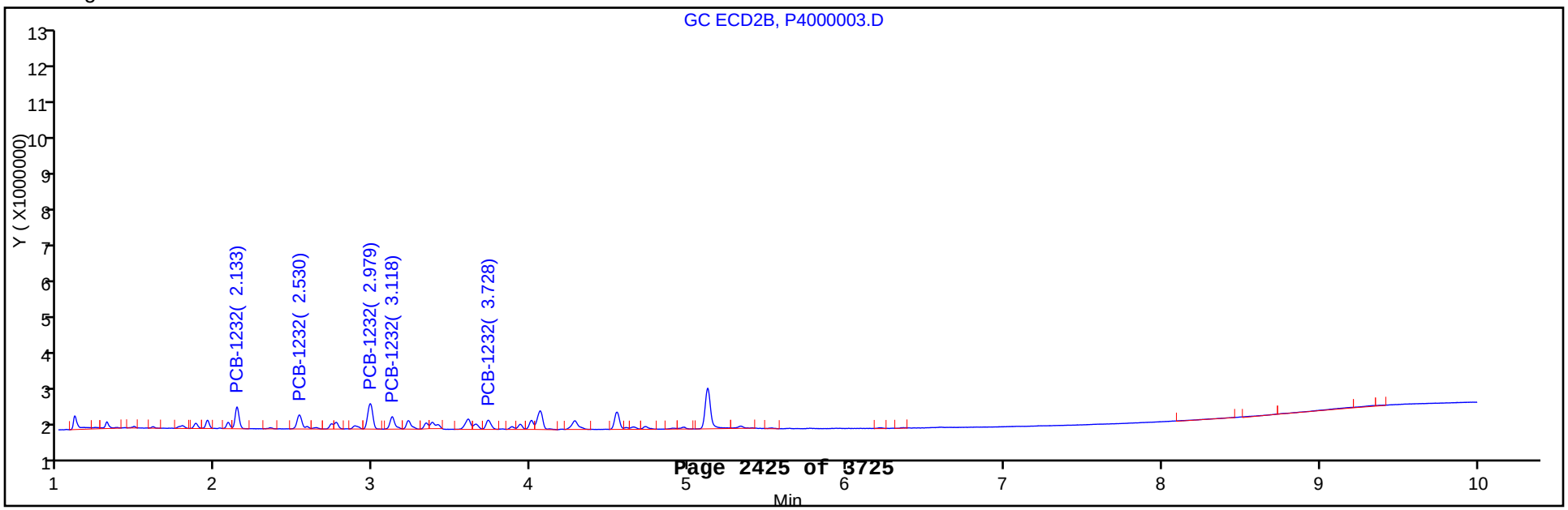
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000003.D

Injection Date:	04-Dec-2012 08:26:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000004.D
Lims ID: STD01 1232 Client ID:
Inject. Date: 04-Dec-2012 08:42:21 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015497-004
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 67207 Lims Sample ID: 4
Sublist: chrom-PCB4*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:29 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.540	1.539	0.001	3010006	0.1120		100.0	
1	2	1.823	1.822	0.001	2078723	0.1091	46.4- 96.4	69.1	
1	3	2.214	2.212	0.002	4026895	0.1037	117.6- 167.6	133.8	
1	4	2.335	2.333	0.002	1695819	0.1005	39.5- 89.5	56.3	
1	5	2.714	2.713	0.001	1665245	0.1055	34.7- 84.7	55.3	
			Average of Peak Amounts =			0.1062			
2	6	2.135	2.133	0.002	2040782	0.1125		100.0	
2	7	2.530	2.530	0.000	1864212	0.1140	49.8- 109.8	91.3	
2	8	2.979	2.979	0.000	2985658	0.1075	120.0- 180.0	146.3	
2	9	3.118	3.118	0.000	1359176	0.1090	37.4- 97.4	66.6	
2	10	3.729	3.728	0.001	1183355	0.1152	26.1- 86.1	58.0	
			Average of Peak Amounts =			0.1116			
						RPD = 5.02			

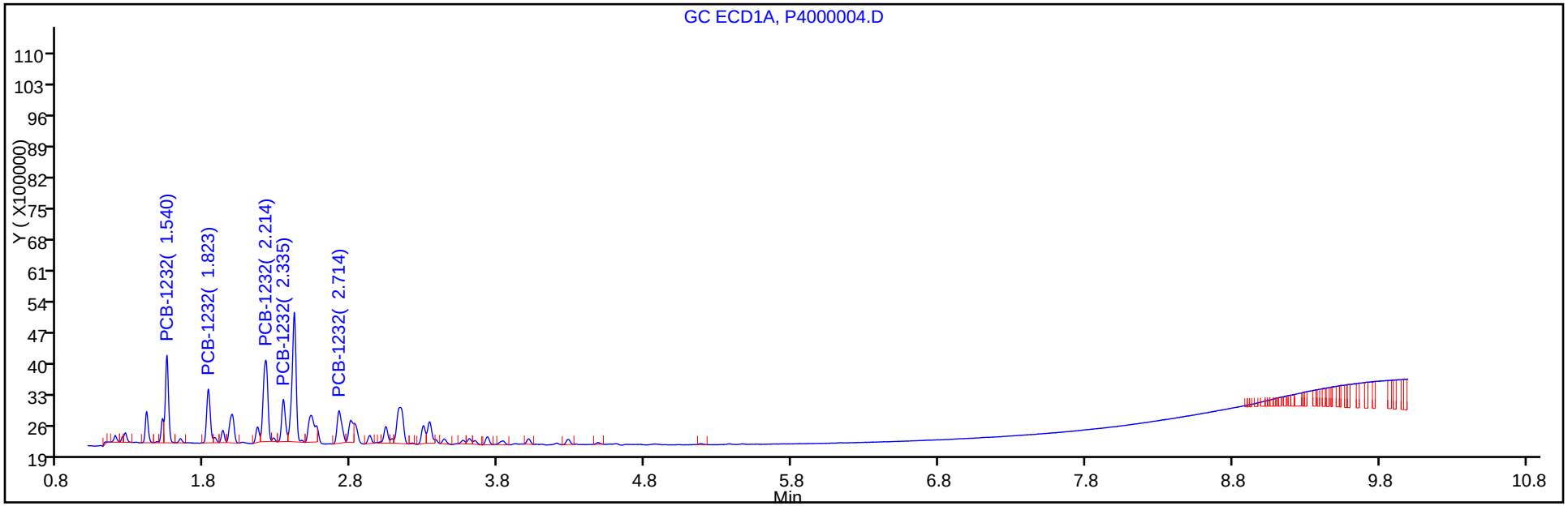
Report Date: 05-Dec-2012 06:34:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

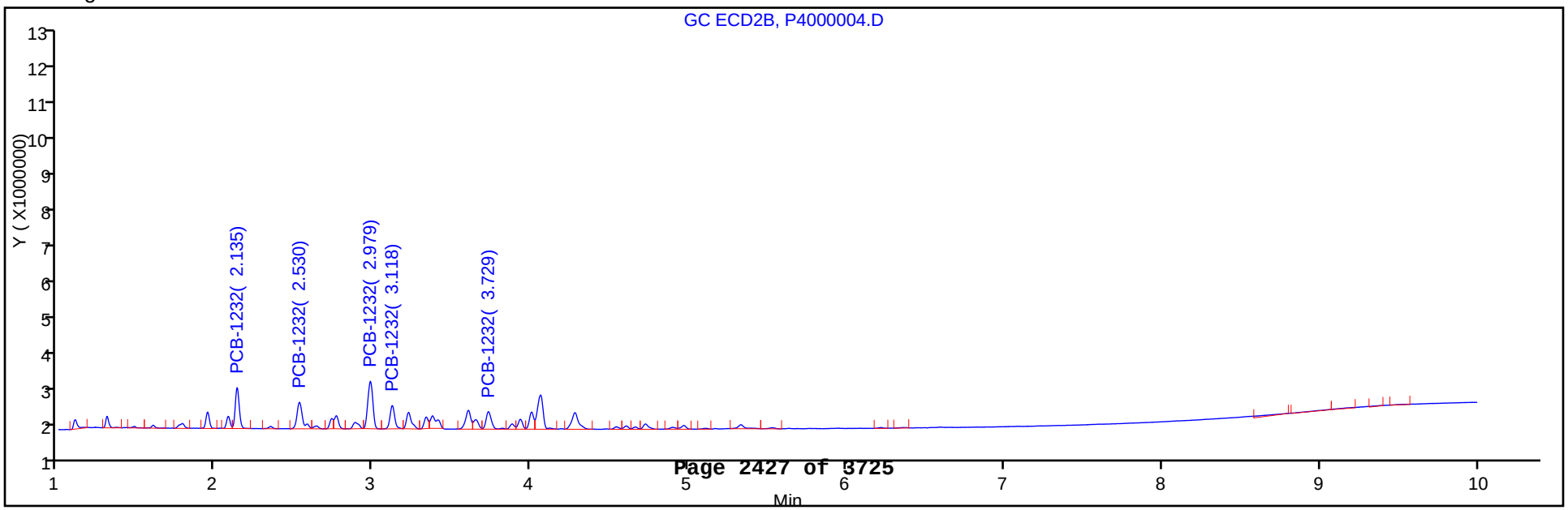
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000004.D

Injection Date:	04-Dec-2012 08:42:21	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000005.D
Lims ID: STD02 1232 Client ID:
Inject. Date: 04-Dec-2012 08:58:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015497-005
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 67207 Lims Sample ID: 5
Sublist: chrom-PCB4*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:27 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.540	1.539	0.001	5632420	0.2096		100.0	
1	2	1.824	1.822	0.002	4020717	0.2110	46.4- 96.4	71.4	
1	3	2.214	2.212	0.002	8032433	0.2068	117.6- 167.6	142.6	
1	4	2.334	2.333	0.001	3631227	0.2153	39.5- 89.5	64.5	
1	5	2.714	2.713	0.001	3360558	0.2129	34.7- 84.7	59.7	
			Average of Peak Amounts =			0.2111			
2	6	2.135	2.133	0.002	3747719	0.2066		100.0	
2	7	2.529	2.530	-0.001	2990811	0.2086	49.8- 109.8	79.8	
2	8	2.981	2.979	0.002	5619964	0.2023	120.0- 180.0	150.0	
2	9	3.119	3.118	0.001	2526630	0.2027	37.4- 97.4	67.4	
2	10	3.730	3.728	0.002	2101564	0.2046	26.1- 86.1	56.1	
			Average of Peak Amounts =			0.2049			
						RPD = 2.97			

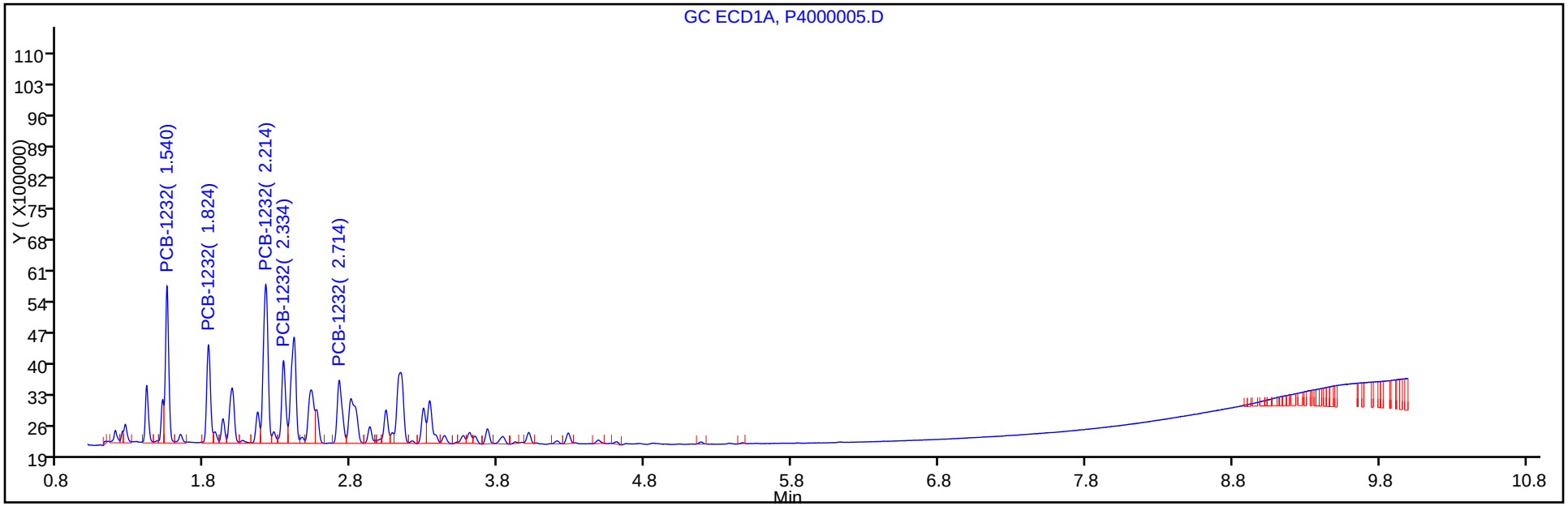
Report Date: 05-Dec-2012 06:34:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

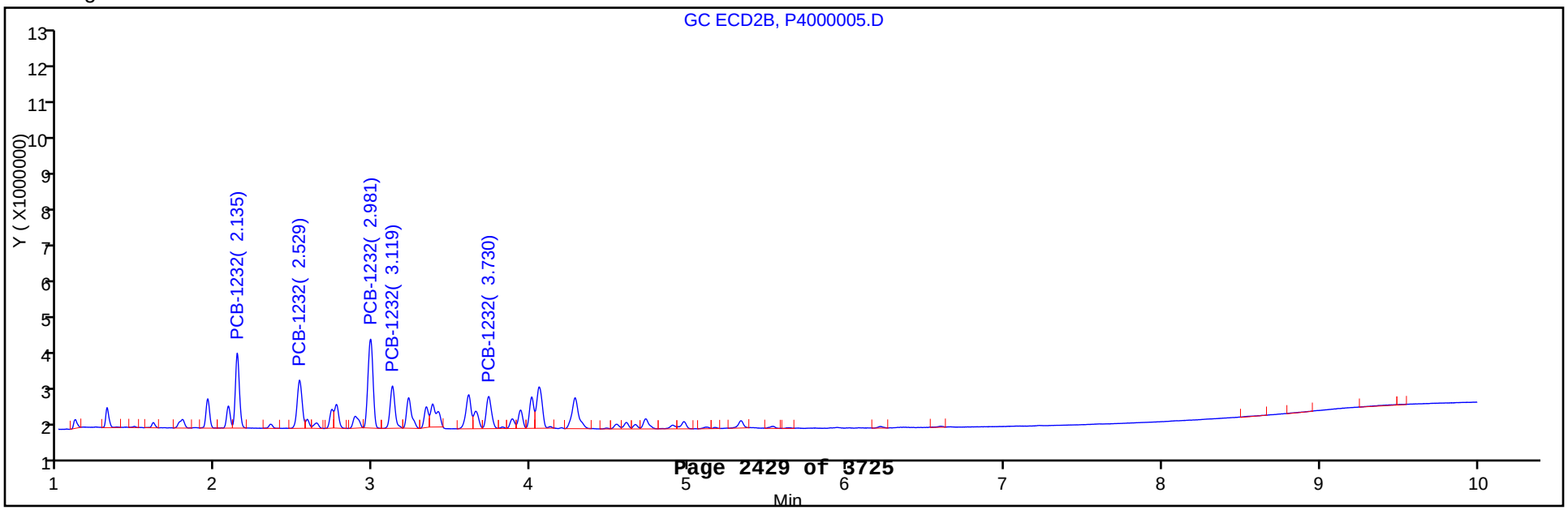
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000005.D

Injection Date:	04-Dec-2012 08:58:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000006.D		
Lims ID:	STD05 1232	Client ID:	
Inject. Date:	04-Dec-2012 09:13:53	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015497-006		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	67207	Lims Sample ID:	6
Sublist:	chrom-PCB4*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m		
Last Update:	05-Dec-2012 06:34:25	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		

First Level Reviewer: hassl Date: 05-Dec-2012 06:22:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.540	1.539	0.001	12673591	0.4716		100.0	
1	2	1.823	1.822	0.001	9045977	0.4748	46.4- 96.4	71.4	
1	3	2.214	2.212	0.002	18885119	0.4862	117.6- 167.6	149.0	
1	4	2.335	2.333	0.002	8410961	0.4986	39.5- 89.5	66.4	
1	5	2.714	2.713	0.001	7777177	0.4928	34.7- 84.7	61.4	
			Average of Peak Amounts =			0.4848			
2	6	2.135	2.133	0.002	8464181	0.4666		100.0	
2	7	2.530	2.530	0.000	6769826	0.5260	49.8- 109.8	80.0	M
2	8	2.981	2.979	0.002	13209796	0.4754	120.0- 180.0	156.1	
2	9	3.119	3.118	0.001	5881996	0.4718	37.4- 97.4	69.5	
2	10	3.729	3.728	0.001	4845031	0.4716	26.1- 86.1	57.2	
			Average of Peak Amounts =			0.4823			
						RPD = 0.52			

QC Flag Legend

Review Flags
M - Manually Integrated

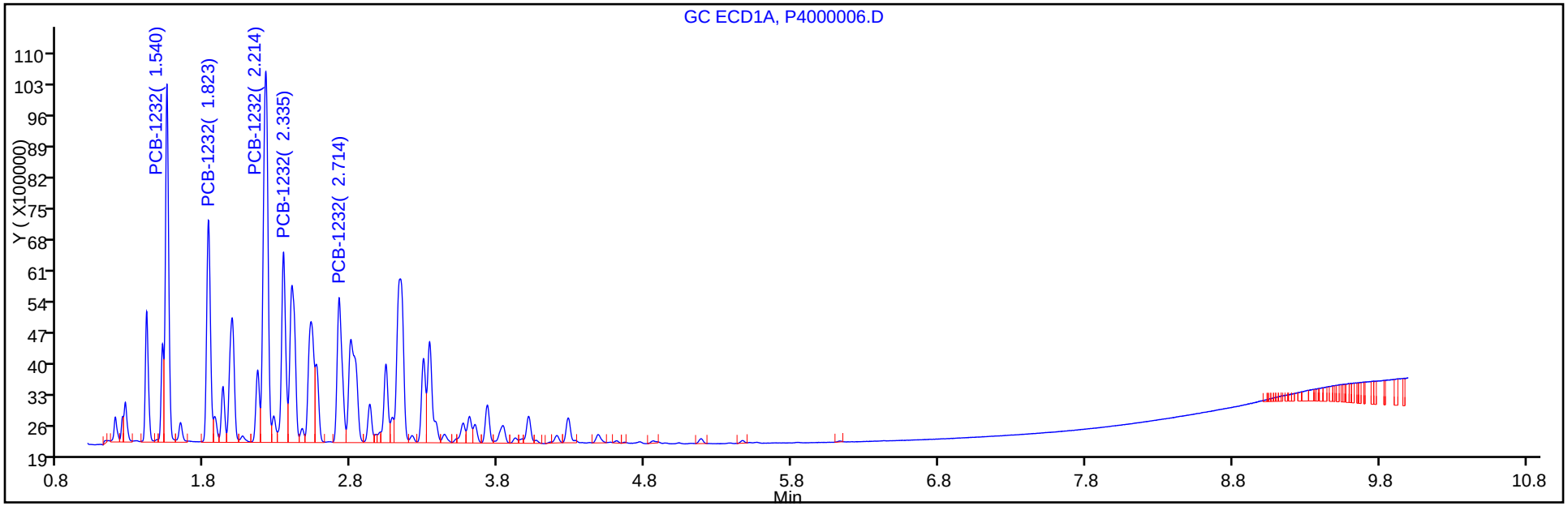
Report Date: 05-Dec-2012 06:34:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

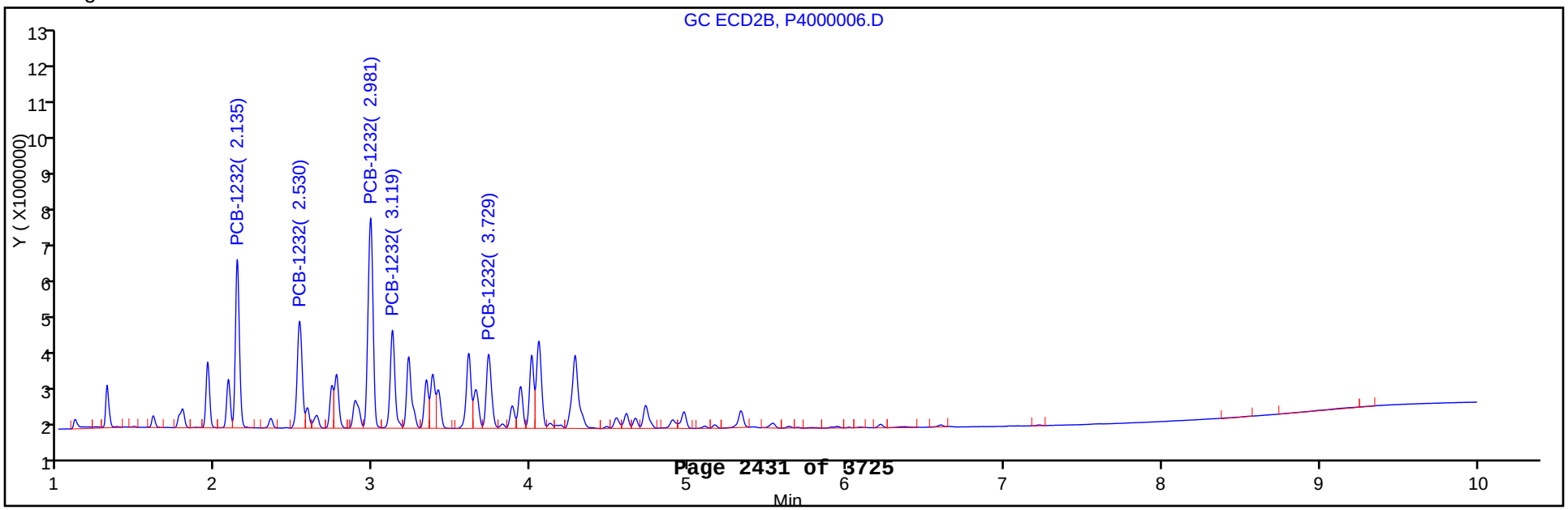
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000006.D

Injection Date:	04-Dec-2012 09:13:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



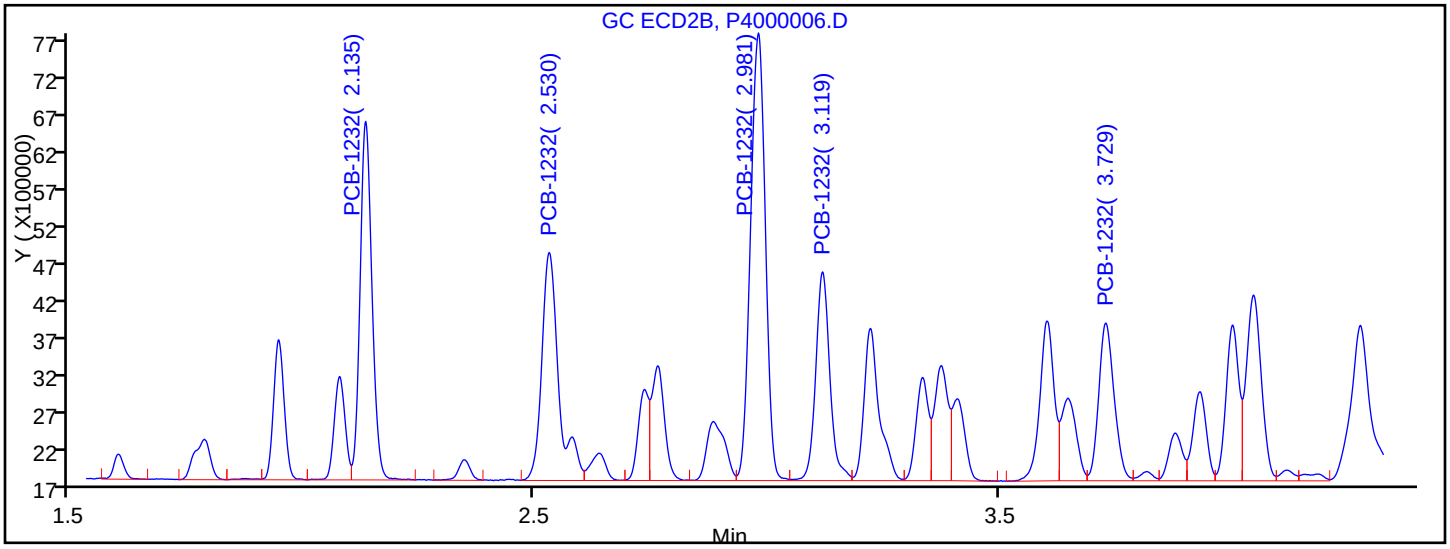
Report Date: 05-Dec-2012 06:34:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000006.D

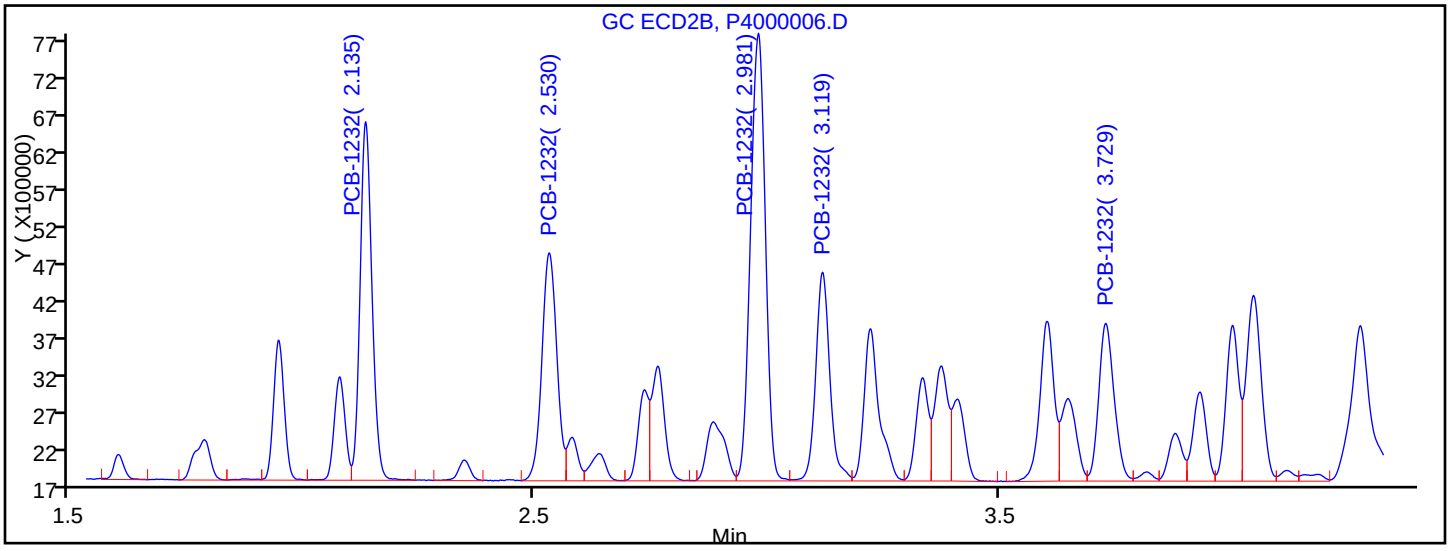
Injection Date:	04-Dec-2012 09:13:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 2, GC ecd2b



Processing Integration Results

RT = 2.135	Response = 8464181	
RT = 2.530	Response = 7687820	M
RT = 2.981	Response = 13209796	
RT = 3.119	Response = 5881996	
RT = 3.729	Response = 4845031	



Manual Integration Results

RT = 2.135	Response = 8464181	
RT = 2.530	Response = 6769826	M
RT = 2.981	Response = 13209796	
RT = 3.119	Response = 5881996	
RT = 3.729	Response = 4845031	

Reviewer: hassl, 05-Dec-2012 06:22:05

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000007.D		
Lims ID:	STD1 1232	Client ID:	
Inject. Date:	04-Dec-2012 09:29:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015497-007		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	67207	Lims Sample ID:	7
Sublist:	chrom-PCB4*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m		
Last Update:	05-Dec-2012 06:34:24	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		

First Level Reviewer: hassl Date: 05-Dec-2012 06:22:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.541	1.539	0.002	23684495	0.8813		100.0	
1	2	1.824	1.822	0.002	16846099	0.8842	46.4- 96.4	71.1	
1	3	2.215	2.212	0.003	36417775	0.9376	117.6- 167.6	153.8	
1	4	2.335	2.333	0.002	15775239	0.9352	39.5- 89.5	66.6	
1	5	2.714	2.713	0.001	14619816	0.9263	34.7- 84.7	61.7	M
			Average of Peak Amounts =			0.9129			
2	6	2.135	2.133	0.002	15780105	0.8698		100.0	
2	7	2.531	2.530	0.001	12490287	1.01	49.8- 109.8	79.2	
2	8	2.981	2.979	0.002	25320630	0.9113	120.0- 180.0	160.5	
2	9	3.119	3.118	0.001	10915518	0.8756	37.4- 97.4	69.2	
2	10	3.729	3.728	0.001	8998240	0.8759	26.1- 86.1	57.0	
			Average of Peak Amounts =			0.9078			
						RPD = 0.56			

QC Flag Legend

Review Flags
M - Manually Integrated

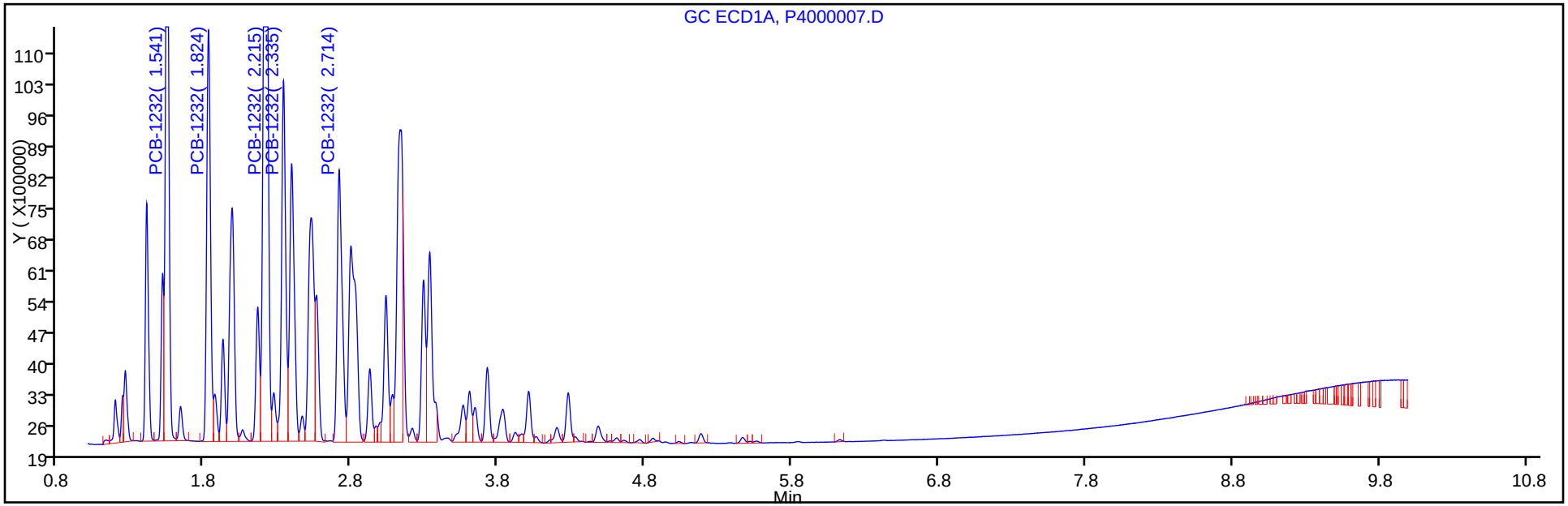
Report Date: 05-Dec-2012 06:34:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

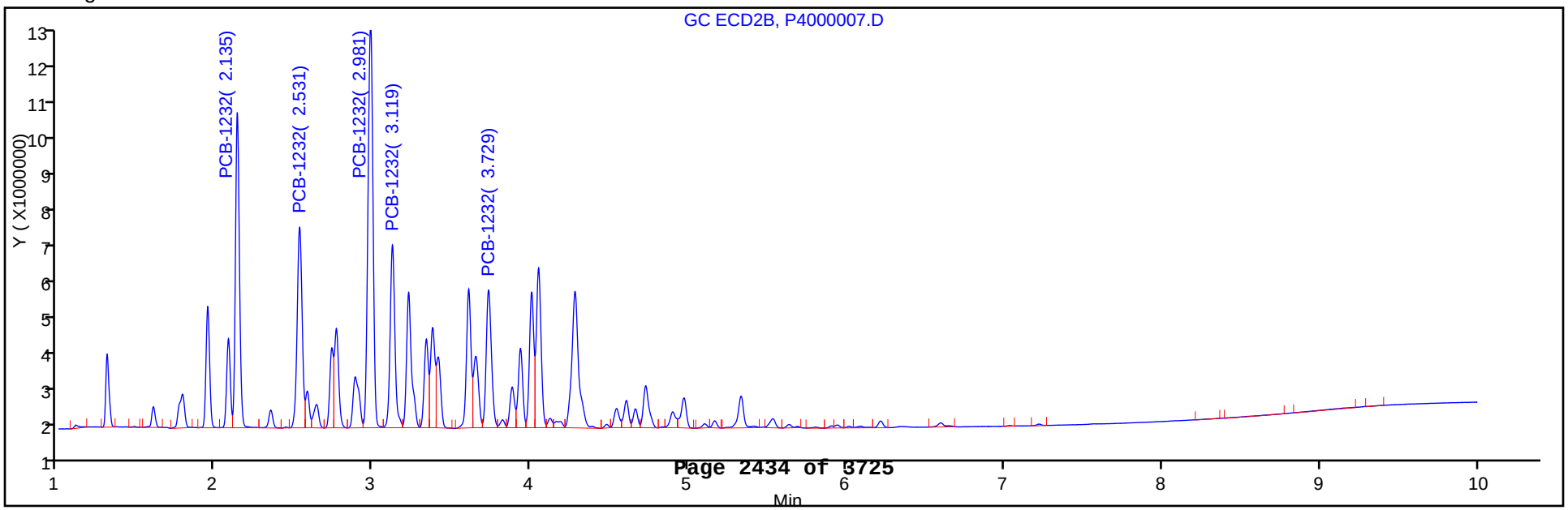
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000007.D

Injection Date:	04-Dec-2012 09:29:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000008.D		
Lims ID:	STD2 1232	Client ID:	
Inject. Date:	04-Dec-2012 09:45:19	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0015497-008		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	67207	Lims Sample ID:	8
Sublist:	chrom-PCB4*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m		
Last Update:	05-Dec-2012 06:34:22	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK010		

First Level Reviewer: hassl Date: 05-Dec-2012 06:22:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.541	1.539	0.002	45060939	1.68		100.0	
1	2	1.824	1.822	0.002	32048047	1.68	46.4- 96.4	71.1	
1	3	2.215	2.212	0.003	72018772	1.85	117.6- 167.6	159.8	
1	4	2.335	2.333	0.002	30633305	1.82	39.5- 89.5	68.0	
1	5	2.714	2.713	0.001	27513165	1.74	34.7- 84.7	61.1	
			Average of Peak Amounts =			1.75			
2	6	2.136	2.133	0.003	29972119	1.65		100.0	
2	7	2.531	2.530	0.001	23793657	1.96	49.8- 109.8	79.4	M
2	8	2.981	2.979	0.002	49675741	1.79	120.0- 180.0	165.7	
2	9	3.120	3.118	0.002	20699268	1.66	37.4- 97.4	69.1	
2	10	3.730	3.728	0.002	17556570	1.71	26.1- 86.1	58.6	
			Average of Peak Amounts =			1.75			
						RPD = 0.08			

QC Flag Legend

Review Flags
M - Manually Integrated

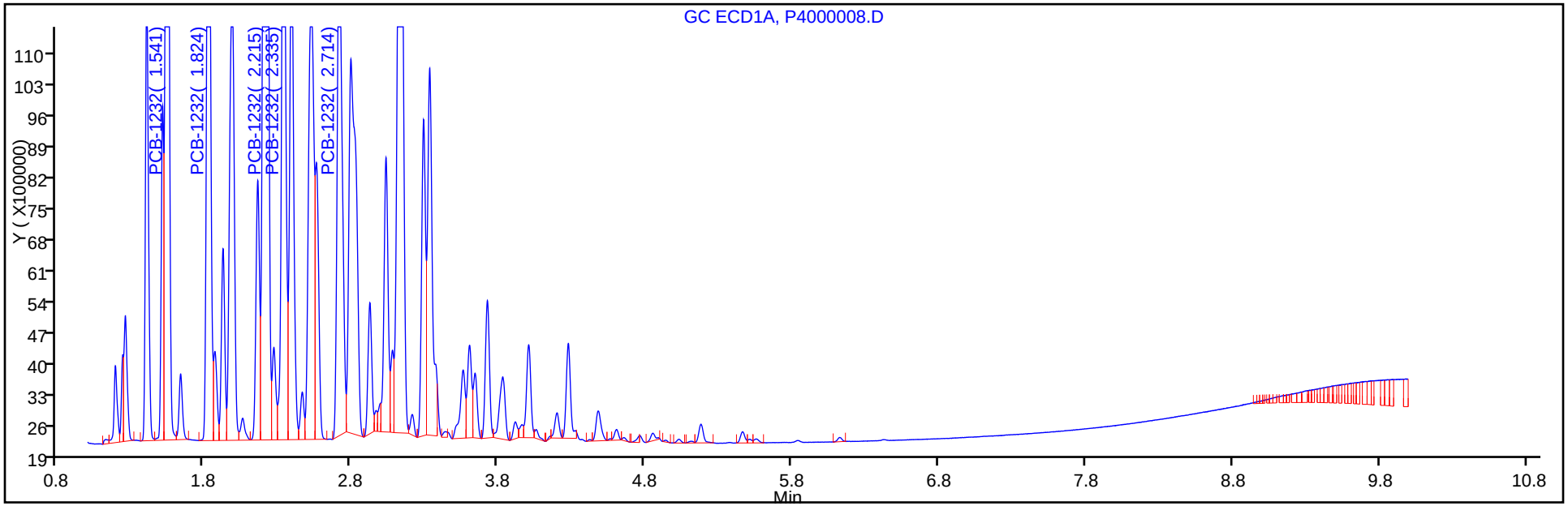
Report Date: 05-Dec-2012 06:34:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

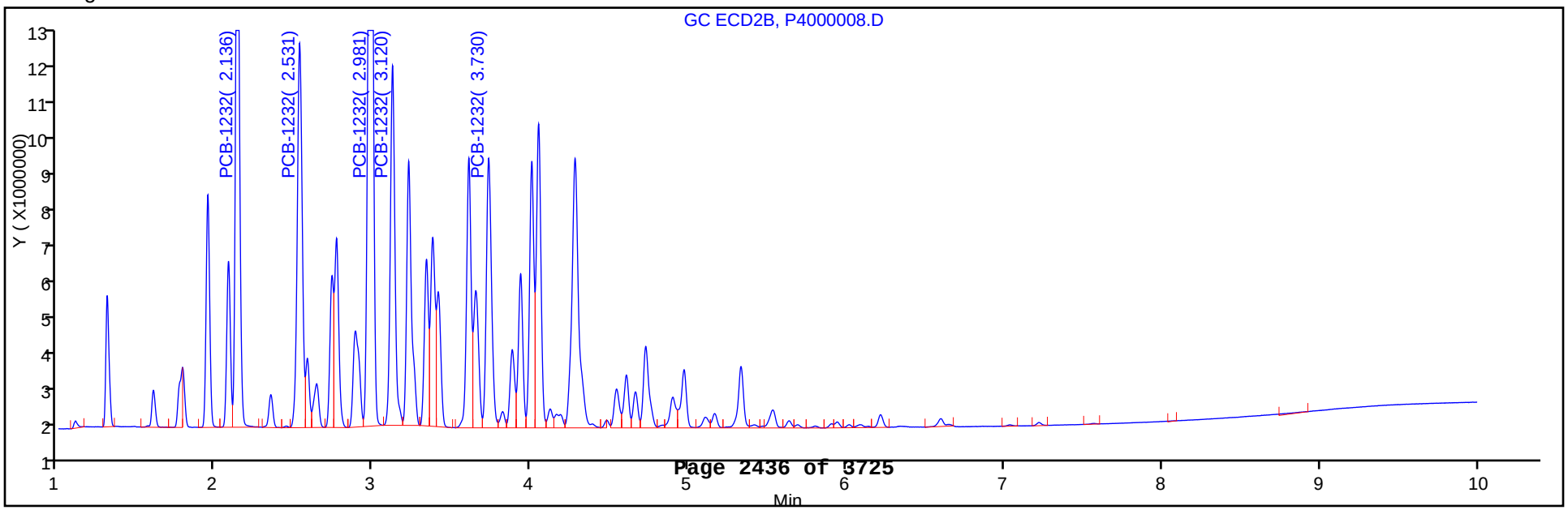
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000008.D

Injection Date:	04-Dec-2012 09:45:19	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



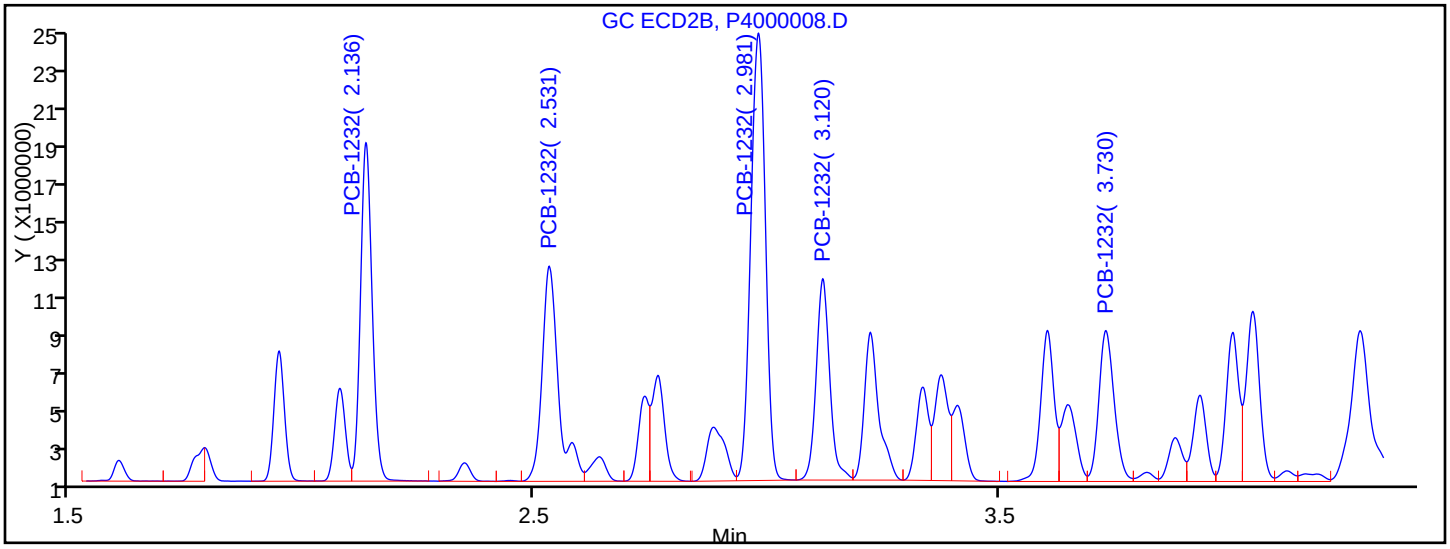
Report Date: 05-Dec-2012 06:34:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000008.D

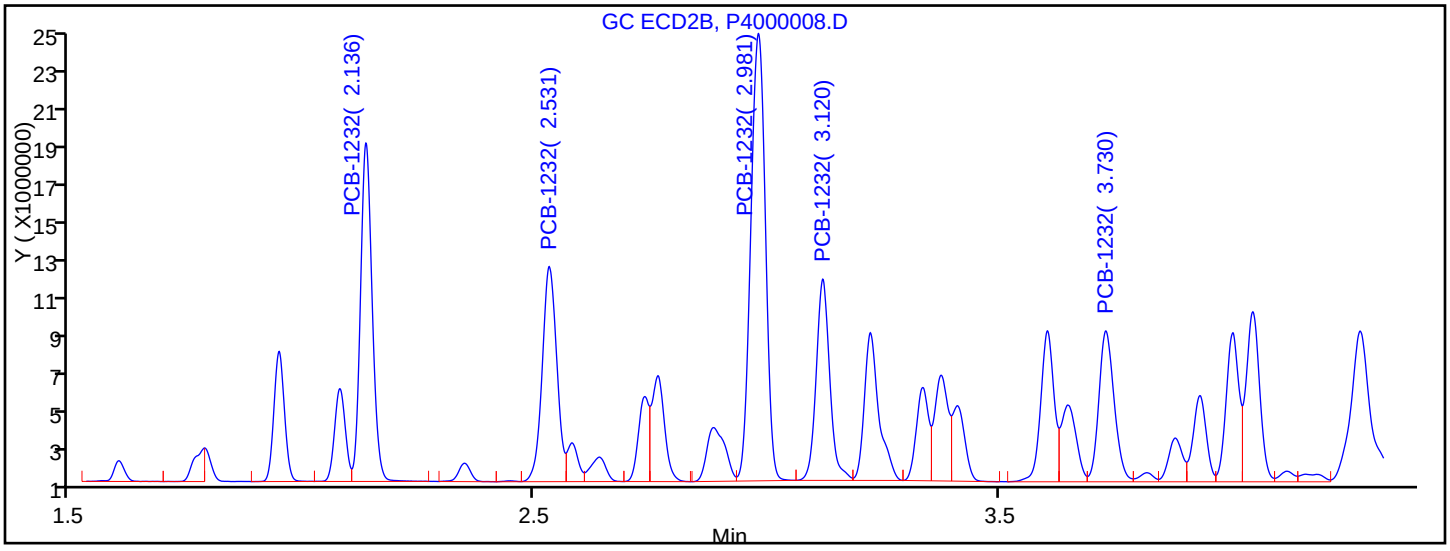
Injection Date:	04-Dec-2012 09:45:19	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 2, GC ecd2b



Processing Integration Results

RT = 2.136	Response = 29972119	
RT = 2.531	Response = 26901926	M
RT = 2.981	Response = 49675741	
RT = 3.120	Response = 20699268	
RT = 3.730	Response = 17556570	



Manual Integration Results

RT = 2.136	Response = 29972119	
RT = 2.531	Response = 23793657	M
RT = 2.981	Response = 49675741	
RT = 3.120	Response = 20699268	
RT = 3.730	Response = 17556570	

Reviewer: hassl, 05-Dec-2012 06:22:36

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 10:07 Calibration End Date: 12/04/2012 11:25 Calibration ID: 12616

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/9	P4000009.D
Level 2	STD01 240-67207/10	P4000010.D
Level 3	STD02 240-67207/11	P4000011.D
Level 4	STD05 240-67207/12	P4000012.D
Level 5	STD1 240-67207/13	P4000013.D
Level 6	STD2 240-67207/14	P4000014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	1.544	1.541	1.541	1.542	1.542	1.542					1.444 - 1.644	1.542
PCB-1242 Peak 2	1.827	1.823	1.823	1.824	1.824	1.824					1.727 - 1.927	1.824
PCB-1242 Peak 3	2.219	2.214	2.214	2.215	2.215	2.216					2.119 - 2.319	2.216
PCB-1242 Peak 4	2.339	2.334	2.335	2.335	2.335	2.336					2.239 - 2.439	2.336
PCB-1242 Peak 5	2.719	2.714	2.714	2.714	2.715	2.715					2.619 - 2.819	2.715

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 10:07 Calibration End Date: 12/04/2012 11:25 Calibration ID: 12616

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/9	P4000009.D
Level 2	STD01 240-67207/10	P4000010.D
Level 3	STD02 240-67207/11	P4000011.D
Level 4	STD05 240-67207/12	P4000012.D
Level 5	STD1 240-67207/13	P4000013.D
Level 6	STD2 240-67207/14	P4000014.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	25091920 17051344	21695200 15616232	20320115	18389048	Ave		19693976.4				17.0		20.0			
PCB-1242 Peak 2	44143900 32027697	40292260 29364058	37983170	34125828	Ave		36322818.8				15.0		20.0			
PCB-1242 Peak 3	85113500 69259359	79148130 65046426	76036075	70810814	Ave		74235717.4				9.8		20.0			
PCB-1242 Peak 4	39066520 29755945	36236410 27772760	34195430	31056076	Ave		33013856.8				13.0		20.0			
PCB-1242 Peak 5	38985280 30072832	36234440 27919139	33856915	31395558	Ave		33077360.8				12.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 10:07 Calibration End Date: 12/04/2012 11:25 Calibration ID: 12616

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/9	P4000009.D
Level 2	STD01 240-67207/10	P4000010.D
Level 3	STD02 240-67207/11	P4000011.D
Level 4	STD05 240-67207/12	P4000012.D
Level 5	STD1 240-67207/13	P4000013.D
Level 6	STD2 240-67207/14	P4000014.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	1254596 31232463	2169520	4064023	9194524	17051344	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	Ave	2207195 58728115	4029226	7596634	17062914	32027697	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	Ave	4255675 130092853	7914813	15207215	35405407	69259359	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	Ave	1953326 55545520	3623641	6839086	15528038	29755945	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	Ave	1949264 55838279	3623444	6771383	15697779	30072832	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000009.D
Lims ID: STD005 1242 Client ID:
Inject. Date: 04-Dec-2012 10:07:01 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015497-009
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 67207 Lims Sample ID: 9
Sublist: chrom-PCB4*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:21 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.544	1.544	0.000	1254596	0.0637		100.0	
1	2	1.827	1.827	0.000	2207195	0.0608	161.9- 211.9	175.9	
1	3	2.219	2.219	0.000	4255675	0.0573	349.2- 399.2	339.2	
1	4	2.339	2.339	0.000	1953326	0.0592	143.3- 193.3	155.7	
1	5	2.719	2.719	0.000	1949264	0.0589	141.6- 191.6	155.4	
			Average of Peak Amounts =			0.0600			
2	6	2.134	2.134	0.000	840404	0.0634		100.0	
2	7	2.529	2.529	0.000	1633893	0.0621	170.9- 230.9	194.4	
2	8	2.980	2.980	0.000	2937787	0.0572	354.9- 414.9	349.6	
2	9	3.119	3.119	0.000	1357158	0.0605	140.5- 200.5	161.5	
2	10	3.602	3.602	0.000	1438300	0.0464	115.3- 175.3	171.1	
			Average of Peak Amounts =			0.0579			
						RPD = 3.52			

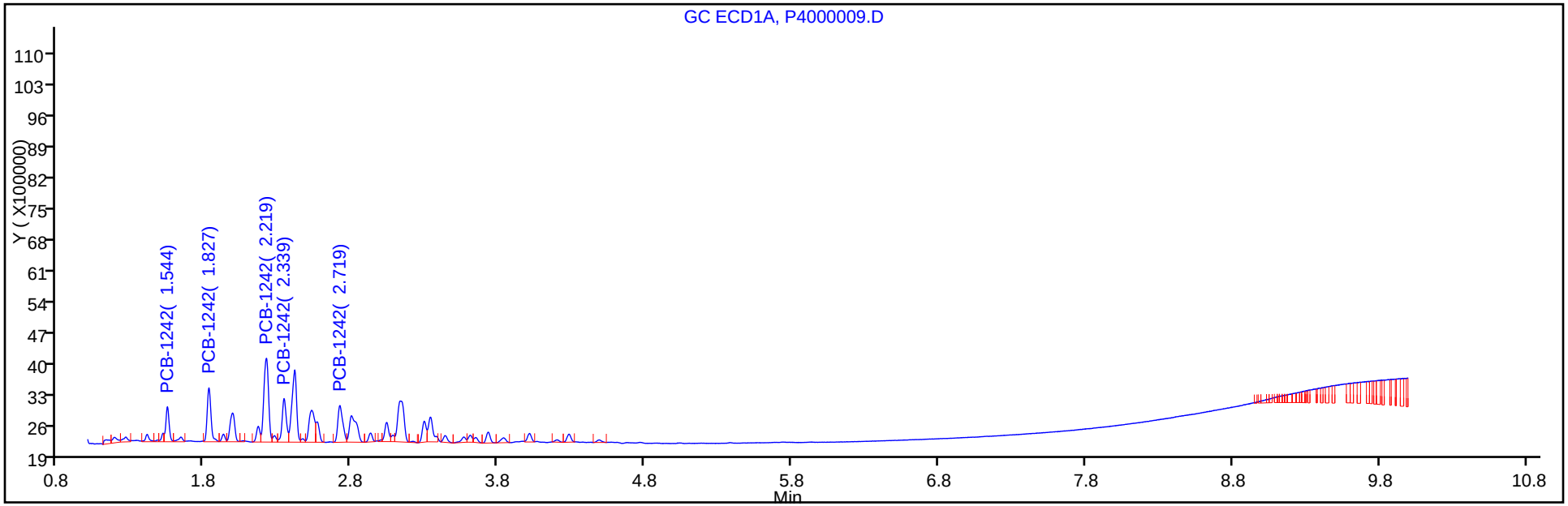
Report Date: 05-Dec-2012 06:34:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

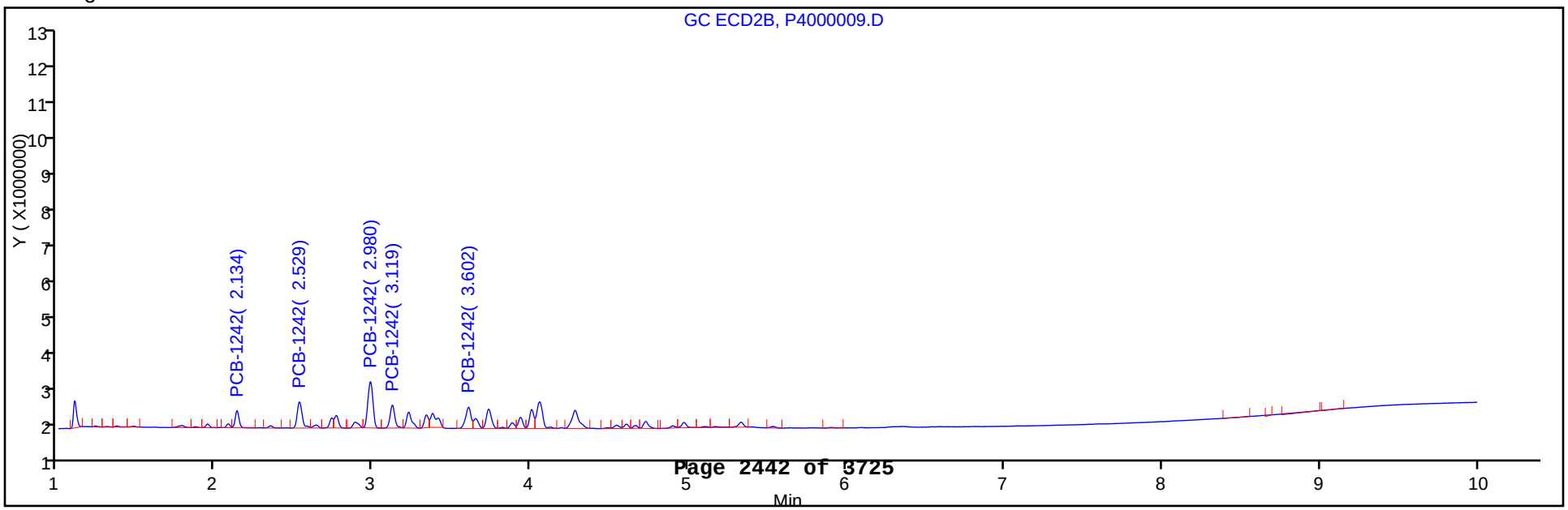
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000009.D

Injection Date:	04-Dec-2012 10:07:01	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	9
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000010.D
Lims ID: STD01 1242 Client ID:
Inject. Date: 04-Dec-2012 10:22:43 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015497-010
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 67207 Lims Sample ID: 10
Sublist: chrom-PCB4*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:19 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.541	1.544	-0.003	2169520	0.1102		100.0	
1	2	1.823	1.827	-0.004	4029226	0.1109	161.9- 211.9	185.7	
1	3	2.214	2.219	-0.005	7914813	0.1066	349.2- 399.2	364.8	
1	4	2.334	2.339	-0.005	3623641	0.1098	143.3- 193.3	167.0	
1	5	2.714	2.719	-0.005	3623444	0.1095	141.6- 191.6	167.0	
			Average of Peak Amounts =			0.1094			
2	6	2.134	2.134	0.000	1500619	0.1131		100.0	
2	7	2.530	2.529	0.001	2936722	0.1116	170.9- 230.9	195.7	
2	8	2.981	2.980	0.001	5497020	0.1070	354.9- 414.9	366.3	
2	9	3.119	3.119	0.000	2435304	0.1086	140.5- 200.5	162.3	
2	10	3.603	3.602	0.001	2196879	0.0961	115.3- 175.3	146.4	
			Average of Peak Amounts =			0.1073			
						RPD = 1.97			

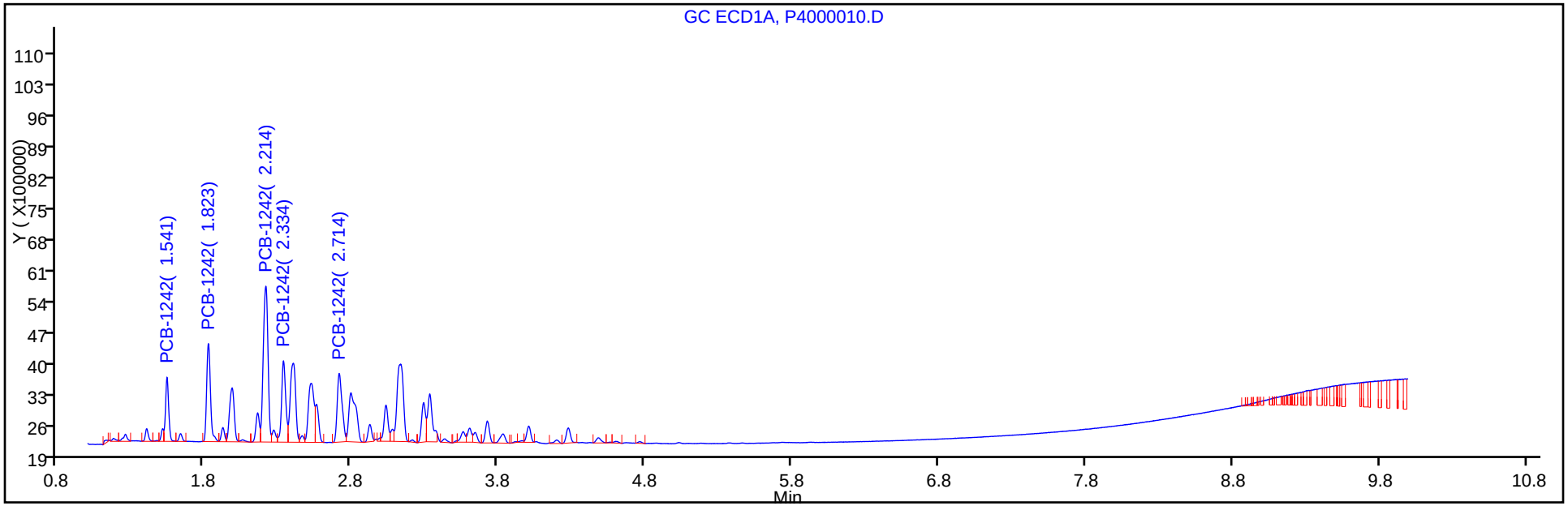
Report Date: 05-Dec-2012 06:34:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

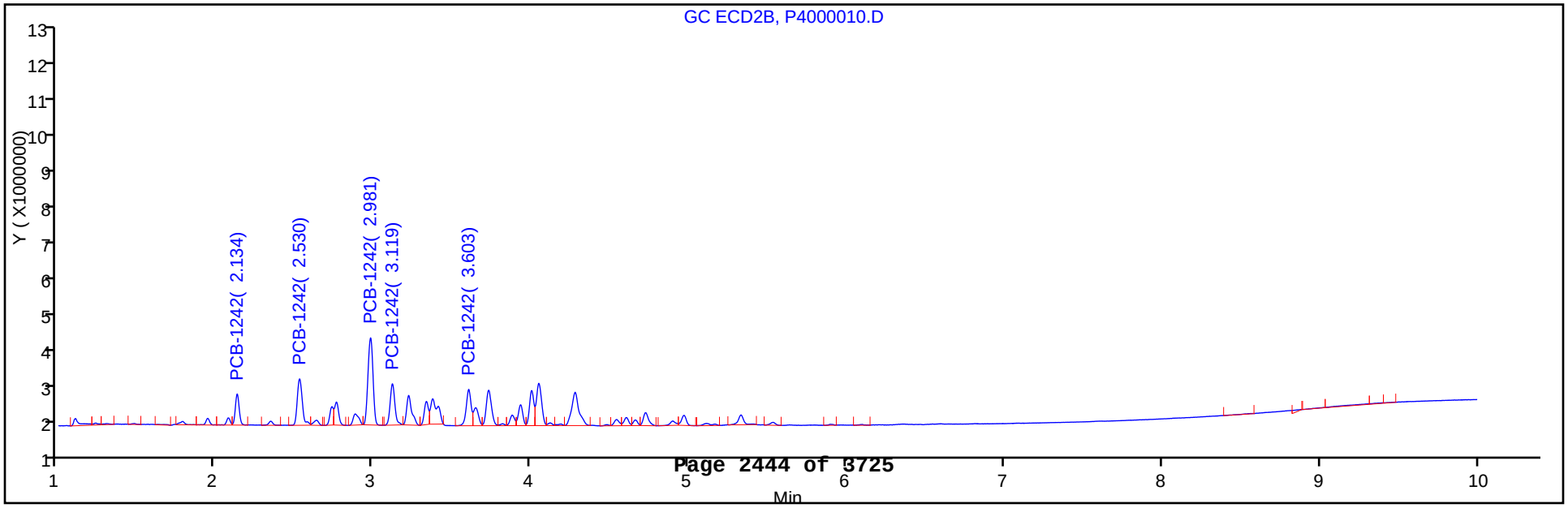
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000010.D

Injection Date:	04-Dec-2012 10:22:43	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000011.D
Lims ID: STD02 1242 Client ID:
Inject. Date: 04-Dec-2012 10:38:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015497-011
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 67207 Lims Sample ID: 11
Sublist: chrom-PCB4*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:18 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.541	1.544	-0.003	4064023	0.2064		100.0	
1	2	1.823	1.827	-0.004	7596634	0.2091	161.9- 211.9	186.9	
1	3	2.214	2.219	-0.005	15207215	0.2049	349.2- 399.2	374.2	
1	4	2.335	2.339	-0.004	6839086	0.2072	143.3- 193.3	168.3	
1	5	2.714	2.719	-0.005	6771383	0.2047	141.6- 191.6	166.6	
			Average of Peak Amounts =			0.2064			
2	6	2.135	2.134	0.001	2746147	0.2070		100.0	
2	7	2.531	2.529	0.002	5516602	0.2096	170.9- 230.9	200.9	
2	8	2.980	2.980	0.000	10568692	0.2056	354.9- 414.9	384.9	
2	9	3.119	3.119	0.000	4681508	0.2088	140.5- 200.5	170.5	
2	10	3.604	3.602	0.002	3990422	0.2136	115.3- 175.3	145.3	
			Average of Peak Amounts =			0.2089			
						RPD = 1.20			

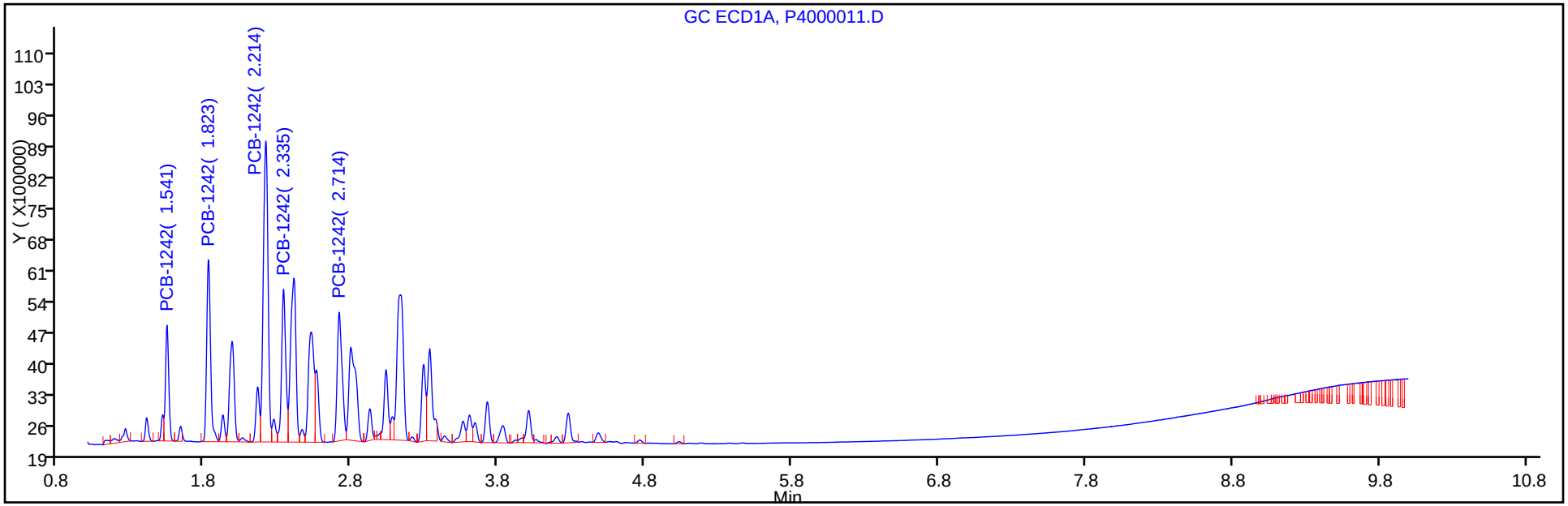
Report Date: 05-Dec-2012 06:34:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

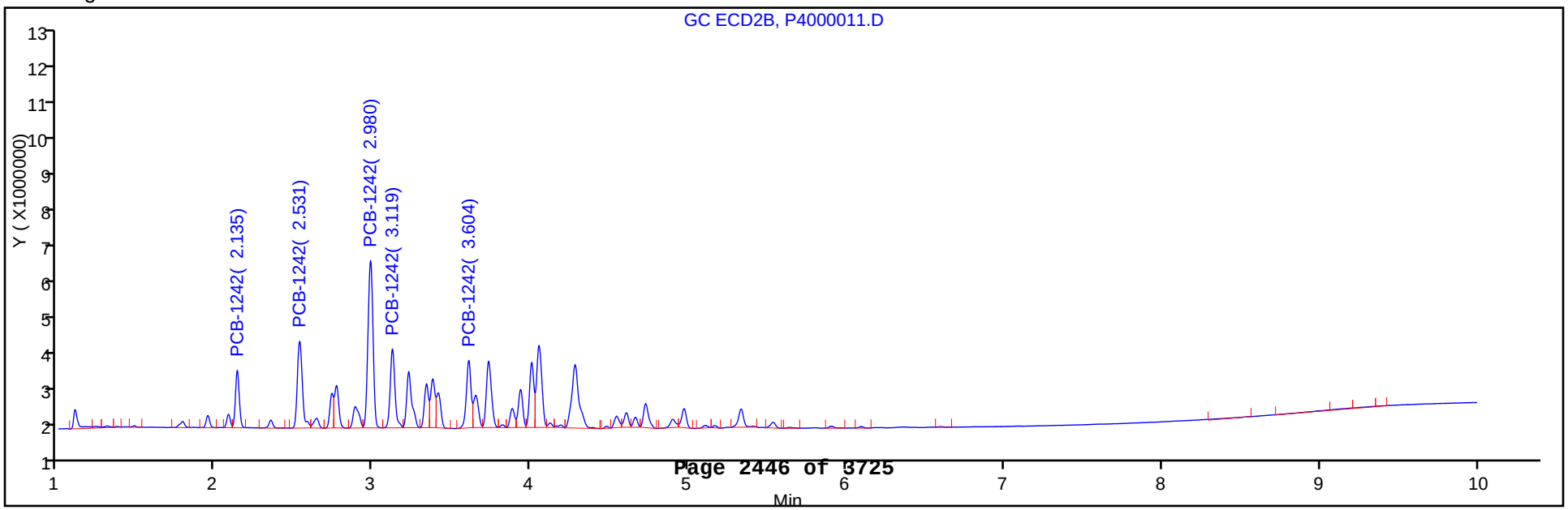
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000011.D

Injection Date:	04-Dec-2012 10:38:30	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000012.D
Lims ID: STD05 1242 Client ID:
Inject. Date: 04-Dec-2012 10:54:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015497-012
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 67207 Lims Sample ID: 12
Sublist: chrom-PCB4*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:16 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.542	1.544	-0.002	9194524	0.4669		100.0	
1	2	1.824	1.827	-0.003	17062914	0.4698	161.9- 211.9	185.6	
1	3	2.215	2.219	-0.004	35405407	0.4769	349.2- 399.2	385.1	
1	4	2.335	2.339	-0.004	15528038	0.4703	143.3- 193.3	168.9	
1	5	2.714	2.719	-0.005	15697779	0.4746	141.6- 191.6	170.7	
			Average of Peak Amounts =			0.4717			
2	6	2.135	2.134	0.001	6159117	0.4644		100.0	
2	7	2.531	2.529	0.002	12305950	0.4675	170.9- 230.9	199.8	
2	8	2.981	2.980	0.001	24679040	0.4802	354.9- 414.9	400.7	
2	9	3.120	3.119	0.001	10717855	0.4780	140.5- 200.5	174.0	
2	10	3.604	3.602	0.002	8719752	0.5234	115.3- 175.3	141.6	
			Average of Peak Amounts =			0.4827			
						RPD = 2.31			

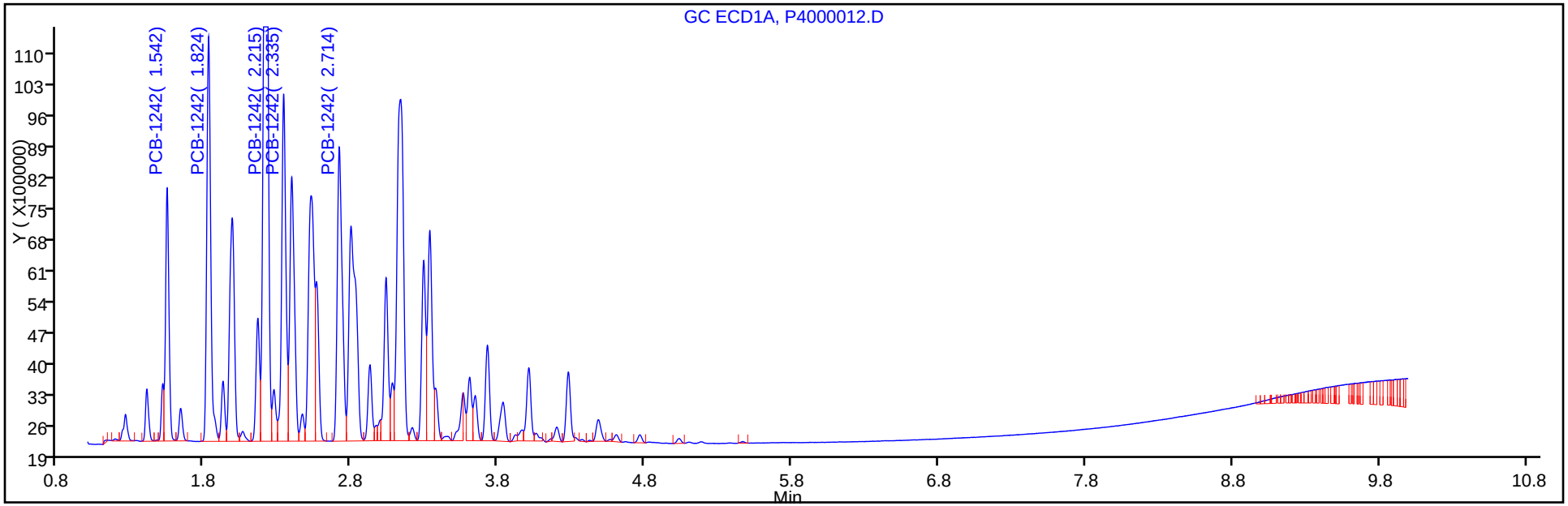
Report Date: 05-Dec-2012 06:34:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

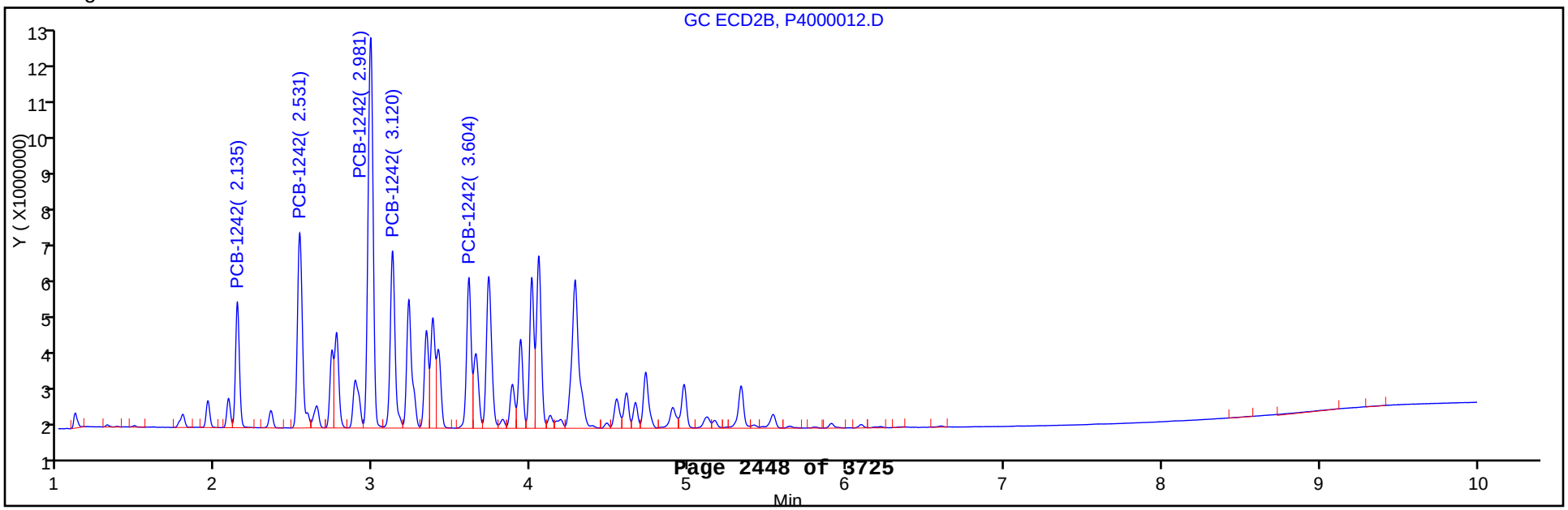
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000012.D

Injection Date:	04-Dec-2012 10:54:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000013.D
Lims ID: STD1 1242 Client ID:
Inject. Date: 04-Dec-2012 11:10:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015497-013
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 67207 Lims Sample ID: 13
Sublist: chrom-PCB4*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:15 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.542	1.544	-0.002	17051344	0.8658		100.0	
1	2	1.824	1.827	-0.003	32027697	0.8818	161.9- 211.9	187.8	
1	3	2.215	2.219	-0.004	69259359	0.9330	349.2- 399.2	406.2	
1	4	2.335	2.339	-0.004	29755945	0.9013	143.3- 193.3	174.5	
1	5	2.715	2.719	-0.004	30072832	0.9092	141.6- 191.6	176.4	
			Average of Peak Amounts =			0.8982			
2	6	2.136	2.134	0.002	11310001	0.8527		100.0	
2	7	2.531	2.529	0.002	22733034	0.8637	170.9- 230.9	201.0	
2	8	2.982	2.980	0.002	47474635	0.9237	354.9- 414.9	419.8	
2	9	3.120	3.119	0.001	19759232	0.8813	140.5- 200.5	174.7	
2	10	3.604	3.602	0.002	16353071	1.02	115.3- 175.3	144.6	
			Average of Peak Amounts =			0.9090			
						RPD = 1.19			

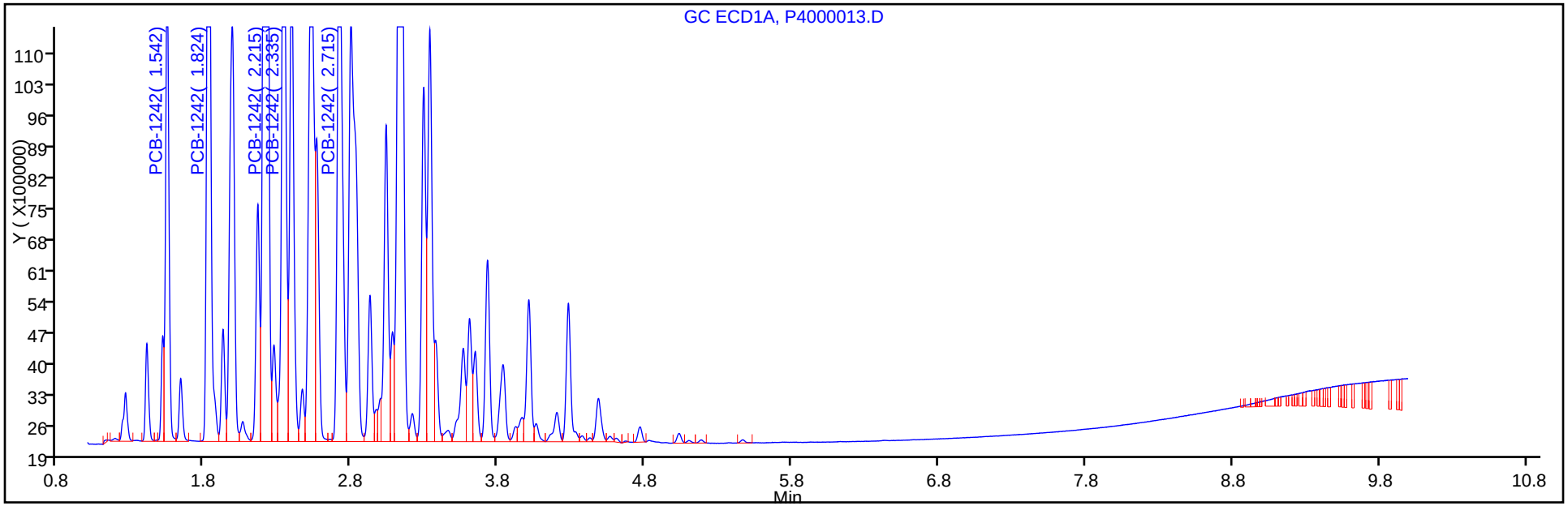
Report Date: 05-Dec-2012 06:34:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

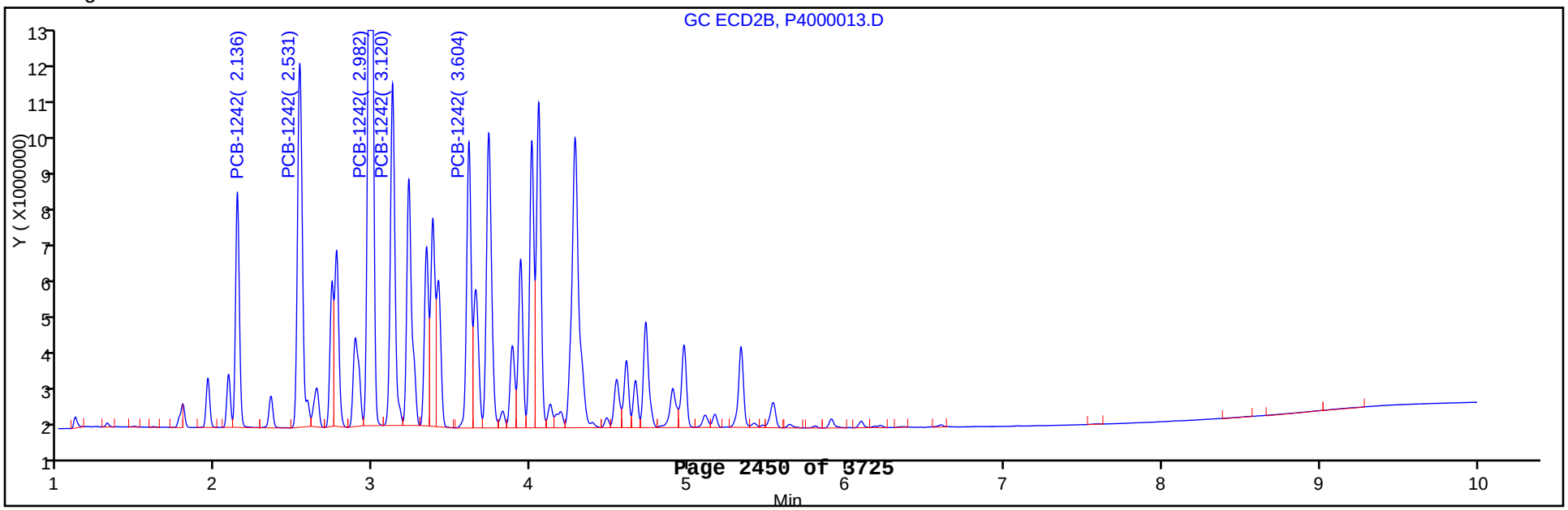
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000013.D

Injection Date:	04-Dec-2012 11:10:04	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	13
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000014.D
Lims ID: STD2 1242 Client ID:
Inject. Date: 04-Dec-2012 11:25:46 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015497-014
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 67207 Lims Sample ID: 14
Sublist: chrom-PCB4*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:13 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.542	1.544	-0.002	31232463	1.59		100.0	
1	2	1.824	1.827	-0.003	58728115	1.62	161.9- 211.9	188.0	
1	3	2.216	2.219	-0.003	130092853	1.75	349.2- 399.2	416.5	
1	4	2.336	2.339	-0.003	55545520	1.68	143.3- 193.3	177.8	
1	5	2.715	2.719	-0.004	55838279	1.69	141.6- 191.6	178.8	
			Average of Peak Amounts =			1.67			
2	6	2.136	2.134	0.002	20815958	1.57		100.0	
2	7	2.531	2.529	0.002	41896853	1.59	170.9- 230.9	201.3	
2	8	2.982	2.980	0.002	89947456	1.75	354.9- 414.9	432.1	
2	9	3.120	3.119	0.001	36846026	1.64	140.5- 200.5	177.0	
2	10	3.604	3.602	0.002	30456555	1.95	115.3- 175.3	146.3	
			Average of Peak Amounts =			1.70			
						RPD = 2.09			

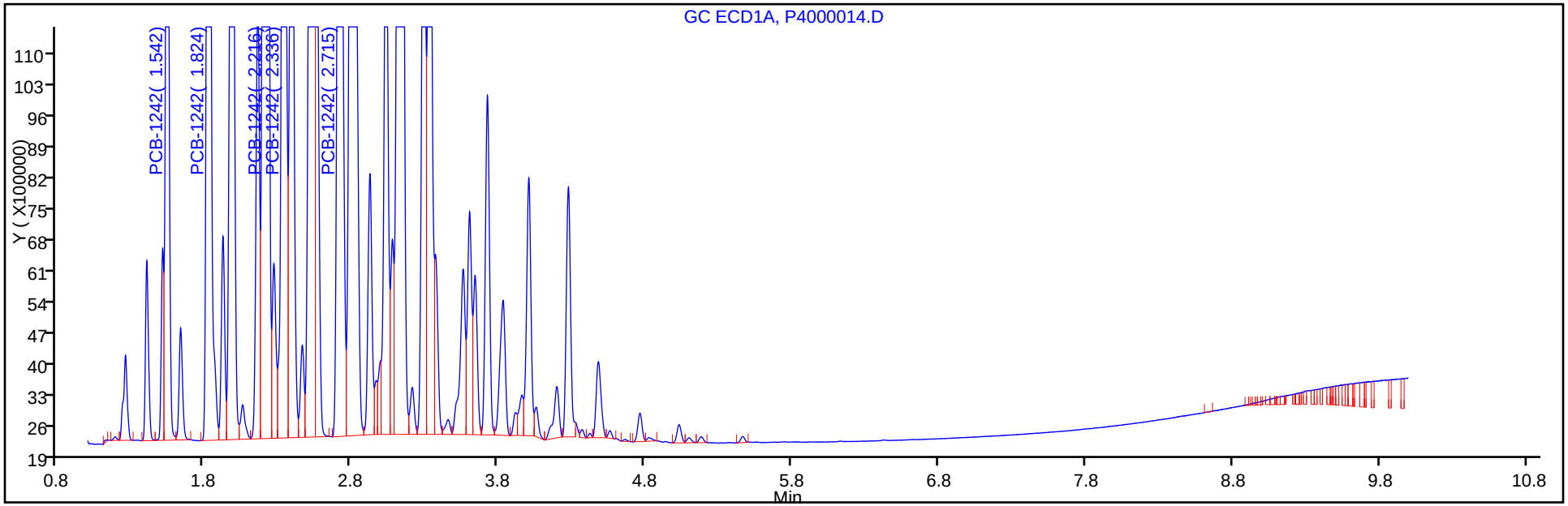
Report Date: 05-Dec-2012 06:34:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

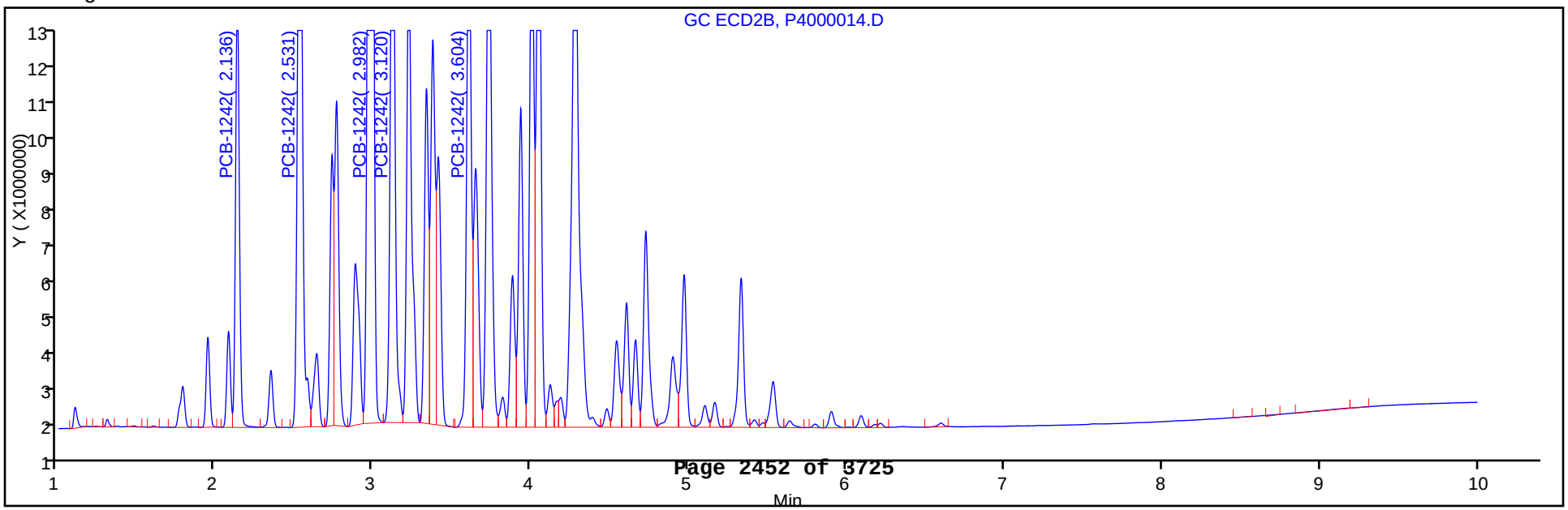
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000014.D

Injection Date:	04-Dec-2012 11:25:46	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 10:07 Calibration End Date: 12/04/2012 11:25 Calibration ID: 12617

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/9	P4000009.D
Level 2	STD01 240-67207/10	P4000010.D
Level 3	STD02 240-67207/11	P4000011.D
Level 4	STD05 240-67207/12	P4000012.D
Level 5	STD1 240-67207/13	P4000013.D
Level 6	STD2 240-67207/14	P4000014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	2.134	2.134	2.135	2.135	2.136	2.136					2.034 - 2.234	2.135
PCB-1242 Peak 2	2.529	2.530	2.531	2.531	2.531	2.531					2.429 - 2.629	2.531
PCB-1242 Peak 3	2.980	2.981	2.980	2.981	2.982	2.982					2.880 - 3.080	2.981
PCB-1242 Peak 4	3.119	3.119	3.119	3.120	3.120	3.120					3.019 - 3.219	3.120
PCB-1242 Peak 5	3.602	3.603	3.604	3.604	3.604	3.604					3.502 - 3.702	3.604

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 10:07 Calibration End Date: 12/04/2012 11:25 Calibration ID: 12617

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/9	P4000009.D
Level 2	STD01 240-67207/10	P4000010.D
Level 3	STD02 240-67207/11	P4000011.D
Level 4	STD05 240-67207/12	P4000012.D
Level 5	STD1 240-67207/13	P4000013.D
Level 6	STD2 240-67207/14	P4000014.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	16808080 11310001	15006190 10407979	13730735	12318234	Ave		13263536.5				18.0		20.0			
PCB-1242 Peak 2	32677860 22733034	29367220 20948427	27583010	24611900	Ave		26320241.8				17.0		20.0			
PCB-1242 Peak 3	58755740 47474635	54970200 44973728	52843460	49358080	Ave		51395973.8				9.9		20.0			
PCB-1242 Peak 4	27143160 19759232	24353040 18423013	23407540	21435710	Ave		22420282.5				14.0		20.0			
PCB-1242 Peak 5	28766000 16353071	21968790 15228278	19952110	17439504	Lin1	730184.657	15265940.5							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 10:07 Calibration End Date: 12/04/2012 11:25 Calibration ID: 12617

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/9	P4000009.D
Level 2	STD01 240-67207/10	P4000010.D
Level 3	STD02 240-67207/11	P4000011.D
Level 4	STD05 240-67207/12	P4000012.D
Level 5	STD1 240-67207/13	P4000013.D
Level 6	STD2 240-67207/14	P4000014.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	840404 20815958	1500619	2746147	6159117	11310001	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	Ave	1633893 41896853	2936722	5516602	12305950	22733034	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	Ave	2937787 89947456	5497020	10568692	24679040	47474635	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	Ave	1357158 36846026	2435304	4681508	10717855	19759232	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	Lin1	1438300 30456555	2196879	3990422	8719752	16353071	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000009.D
Lims ID: STD005 1242 Client ID:
Inject. Date: 04-Dec-2012 10:07:01 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015497-009
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 67207 Lims Sample ID: 9
Sublist: chrom-PCB4*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:21 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.544	1.544	0.000	1254596	0.0637		100.0	
1	2	1.827	1.827	0.000	2207195	0.0608	161.9- 211.9	175.9	
1	3	2.219	2.219	0.000	4255675	0.0573	349.2- 399.2	339.2	
1	4	2.339	2.339	0.000	1953326	0.0592	143.3- 193.3	155.7	
1	5	2.719	2.719	0.000	1949264	0.0589	141.6- 191.6	155.4	
			Average of Peak Amounts =			0.0600			
2	6	2.134	2.134	0.000	840404	0.0634		100.0	
2	7	2.529	2.529	0.000	1633893	0.0621	170.9- 230.9	194.4	
2	8	2.980	2.980	0.000	2937787	0.0572	354.9- 414.9	349.6	
2	9	3.119	3.119	0.000	1357158	0.0605	140.5- 200.5	161.5	
2	10	3.602	3.602	0.000	1438300	0.0464	115.3- 175.3	171.1	
			Average of Peak Amounts =			0.0579			
						RPD = 3.52			

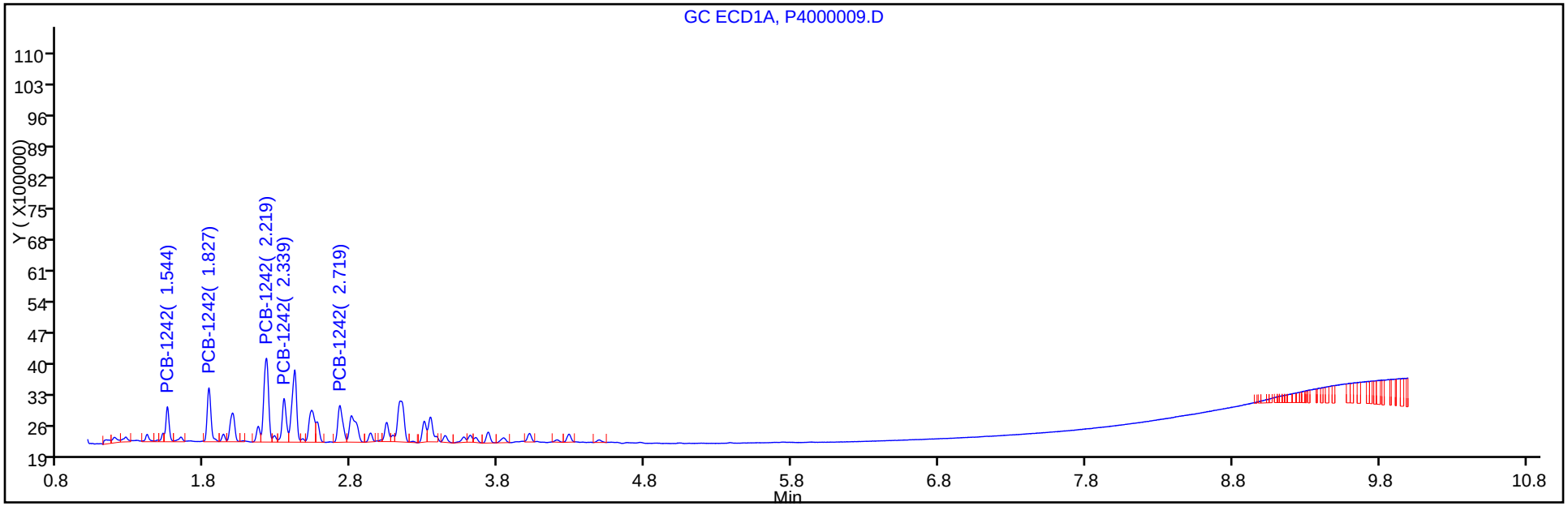
Report Date: 05-Dec-2012 06:34:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

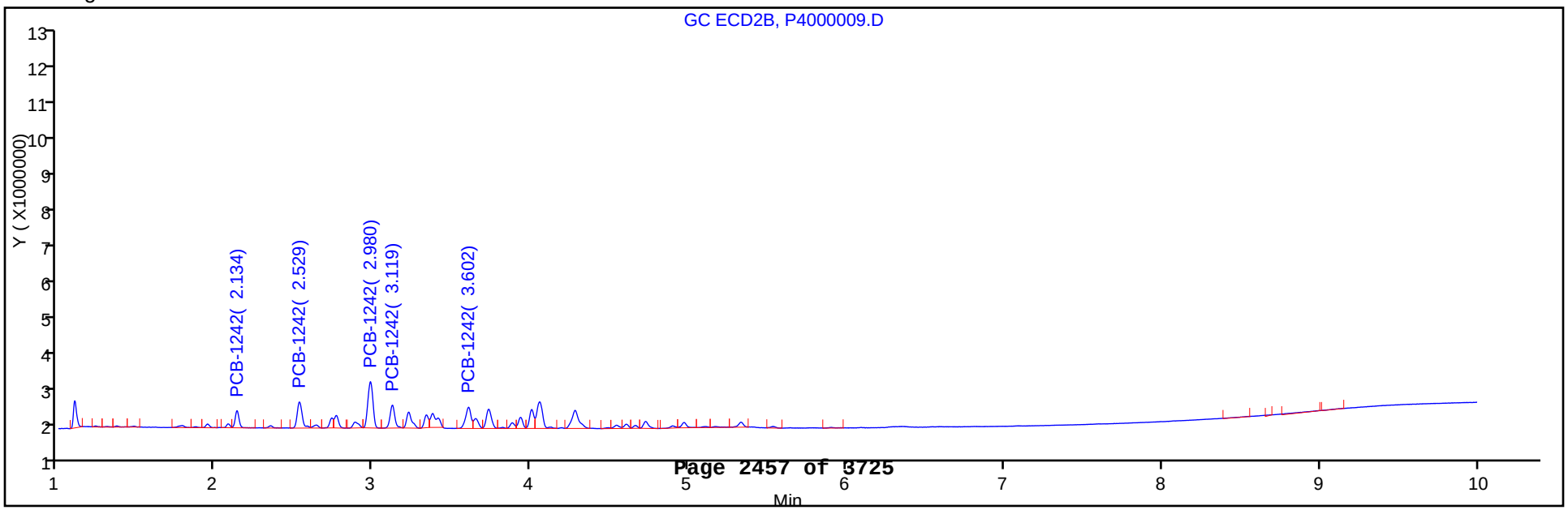
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000009.D

Injection Date:	04-Dec-2012 10:07:01	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	9
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000010.D
Lims ID: STD01 1242 Client ID:
Inject. Date: 04-Dec-2012 10:22:43 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015497-010
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 67207 Lims Sample ID: 10
Sublist: chrom-PCB4*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:19 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.541	1.544	-0.003	2169520	0.1102		100.0	
1	2	1.823	1.827	-0.004	4029226	0.1109	161.9- 211.9	185.7	
1	3	2.214	2.219	-0.005	7914813	0.1066	349.2- 399.2	364.8	
1	4	2.334	2.339	-0.005	3623641	0.1098	143.3- 193.3	167.0	
1	5	2.714	2.719	-0.005	3623444	0.1095	141.6- 191.6	167.0	
			Average of Peak Amounts =			0.1094			
2	6	2.134	2.134	0.000	1500619	0.1131		100.0	
2	7	2.530	2.529	0.001	2936722	0.1116	170.9- 230.9	195.7	
2	8	2.981	2.980	0.001	5497020	0.1070	354.9- 414.9	366.3	
2	9	3.119	3.119	0.000	2435304	0.1086	140.5- 200.5	162.3	
2	10	3.603	3.602	0.001	2196879	0.0961	115.3- 175.3	146.4	
			Average of Peak Amounts =			0.1073			
						RPD = 1.97			

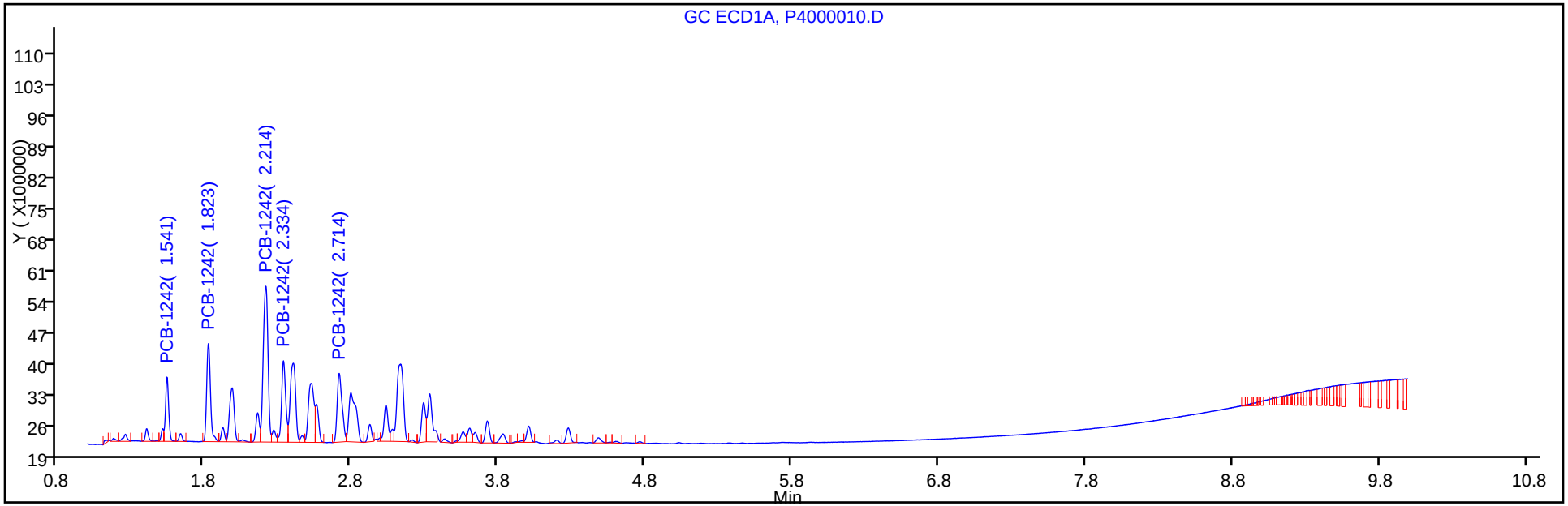
Report Date: 05-Dec-2012 06:34:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

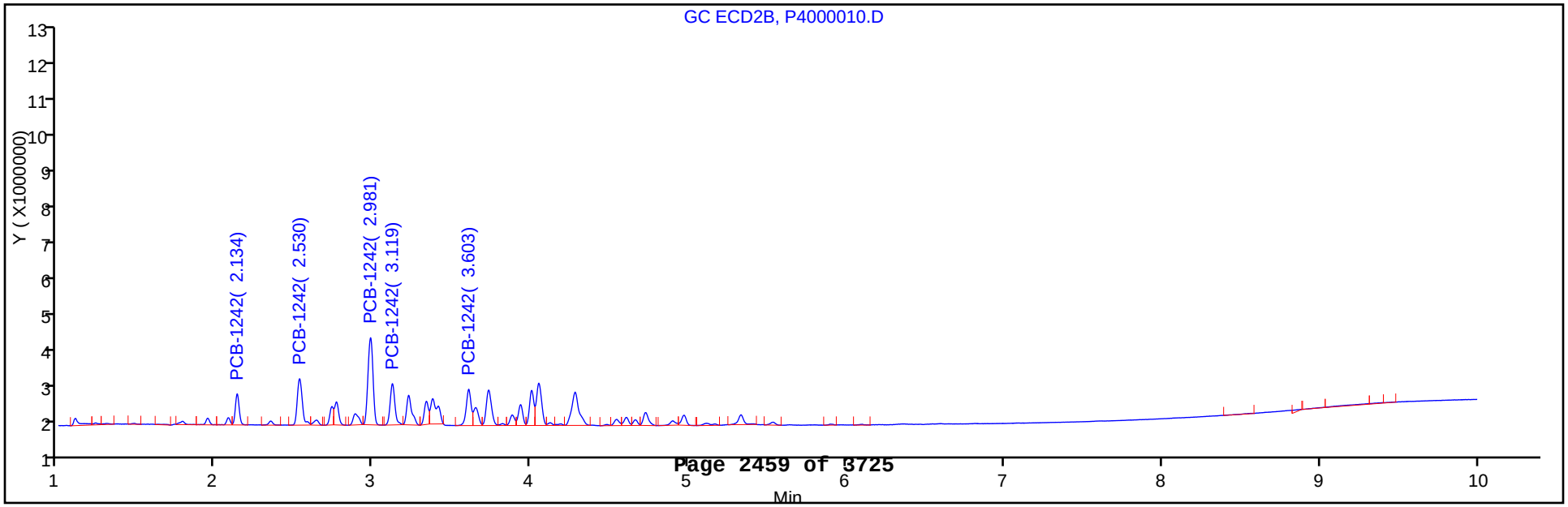
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000010.D

Injection Date:	04-Dec-2012 10:22:43	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000011.D
Lims ID: STD02 1242 Client ID:
Inject. Date: 04-Dec-2012 10:38:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015497-011
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 67207 Lims Sample ID: 11
Sublist: chrom-PCB4*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:18 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.541	1.544	-0.003	4064023	0.2064		100.0	
1	2	1.823	1.827	-0.004	7596634	0.2091	161.9- 211.9	186.9	
1	3	2.214	2.219	-0.005	15207215	0.2049	349.2- 399.2	374.2	
1	4	2.335	2.339	-0.004	6839086	0.2072	143.3- 193.3	168.3	
1	5	2.714	2.719	-0.005	6771383	0.2047	141.6- 191.6	166.6	
			Average of Peak Amounts =			0.2064			
2	6	2.135	2.134	0.001	2746147	0.2070		100.0	
2	7	2.531	2.529	0.002	5516602	0.2096	170.9- 230.9	200.9	
2	8	2.980	2.980	0.000	10568692	0.2056	354.9- 414.9	384.9	
2	9	3.119	3.119	0.000	4681508	0.2088	140.5- 200.5	170.5	
2	10	3.604	3.602	0.002	3990422	0.2136	115.3- 175.3	145.3	
			Average of Peak Amounts =			0.2089			
						RPD = 1.20			

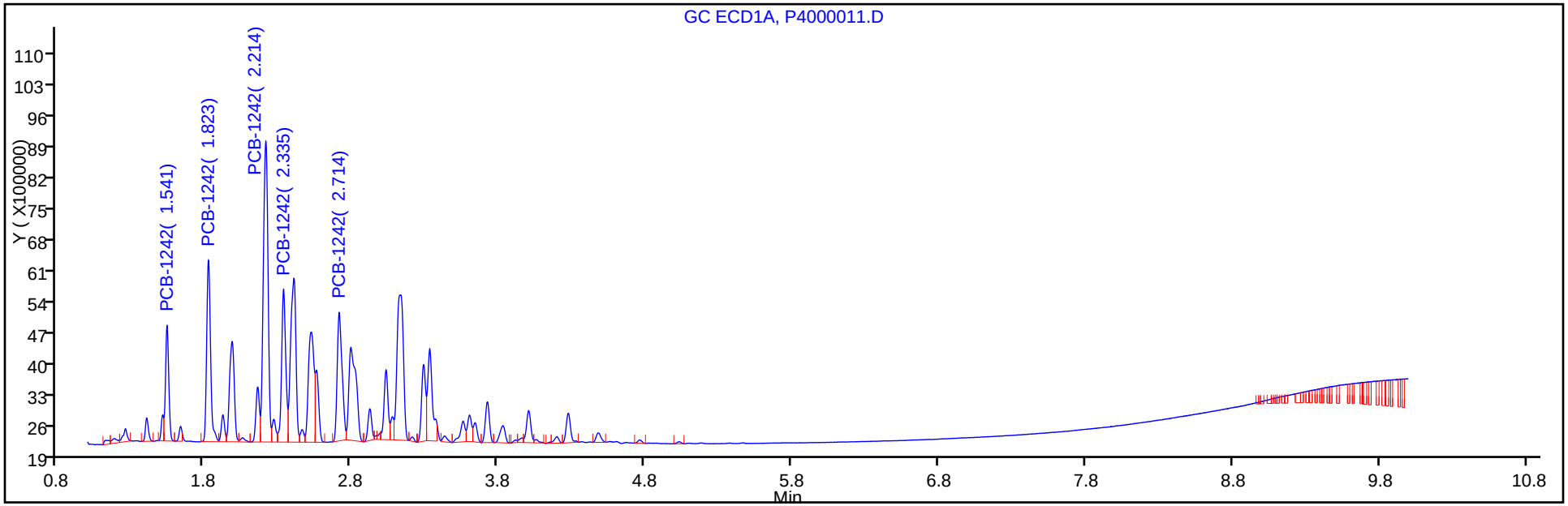
Report Date: 05-Dec-2012 06:34:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

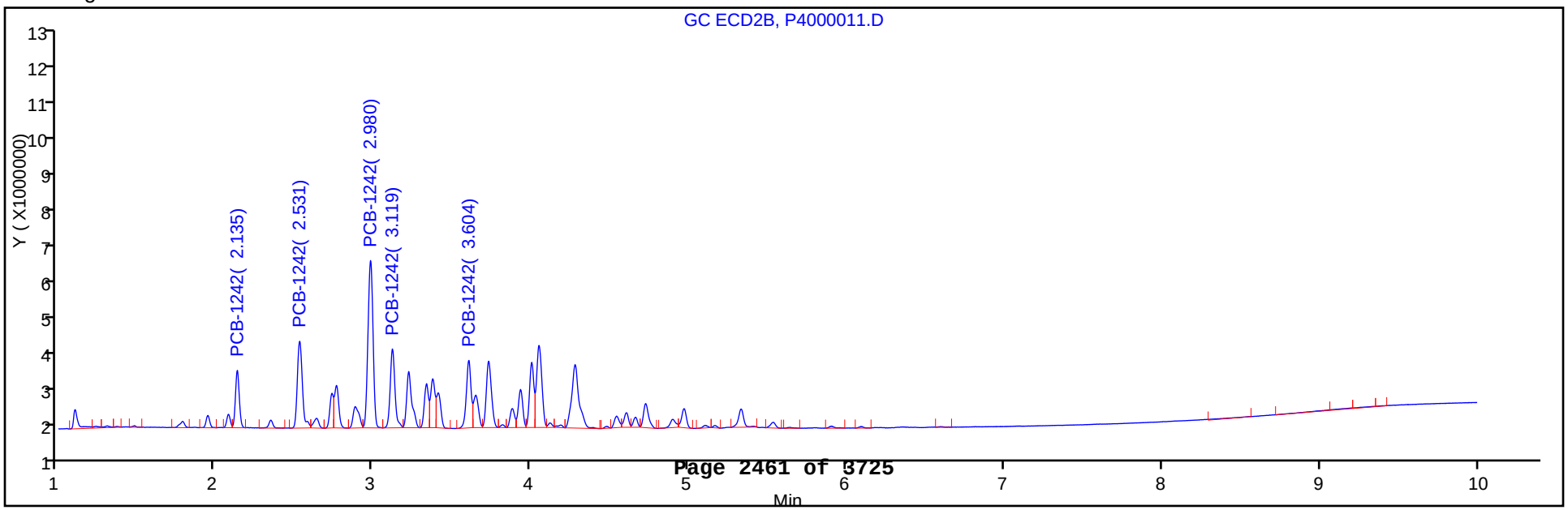
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000011.D

Injection Date:	04-Dec-2012 10:38:30	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000012.D
Lims ID: STD05 1242 Client ID:
Inject. Date: 04-Dec-2012 10:54:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015497-012
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 67207 Lims Sample ID: 12
Sublist: chrom-PCB4*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:16 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.542	1.544	-0.002	9194524	0.4669		100.0	
1	2	1.824	1.827	-0.003	17062914	0.4698	161.9- 211.9	185.6	
1	3	2.215	2.219	-0.004	35405407	0.4769	349.2- 399.2	385.1	
1	4	2.335	2.339	-0.004	15528038	0.4703	143.3- 193.3	168.9	
1	5	2.714	2.719	-0.005	15697779	0.4746	141.6- 191.6	170.7	
			Average of Peak Amounts =			0.4717			
2	6	2.135	2.134	0.001	6159117	0.4644		100.0	
2	7	2.531	2.529	0.002	12305950	0.4675	170.9- 230.9	199.8	
2	8	2.981	2.980	0.001	24679040	0.4802	354.9- 414.9	400.7	
2	9	3.120	3.119	0.001	10717855	0.4780	140.5- 200.5	174.0	
2	10	3.604	3.602	0.002	8719752	0.5234	115.3- 175.3	141.6	
			Average of Peak Amounts =			0.4827			
						RPD = 2.31			

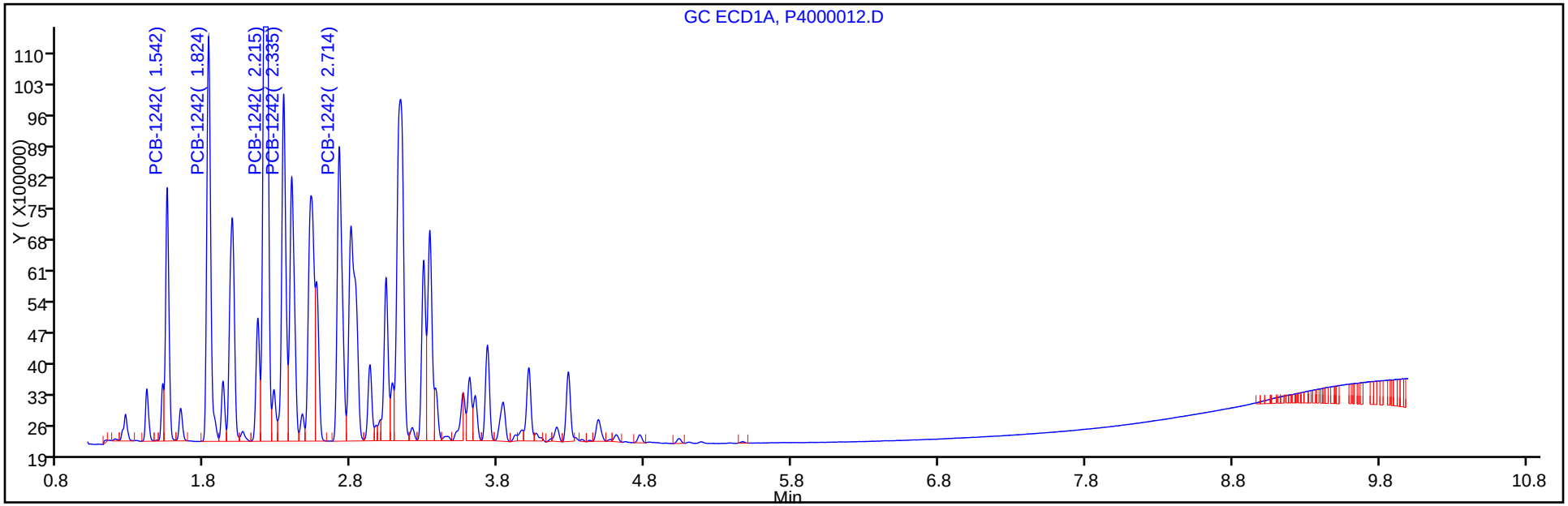
Report Date: 05-Dec-2012 06:34:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

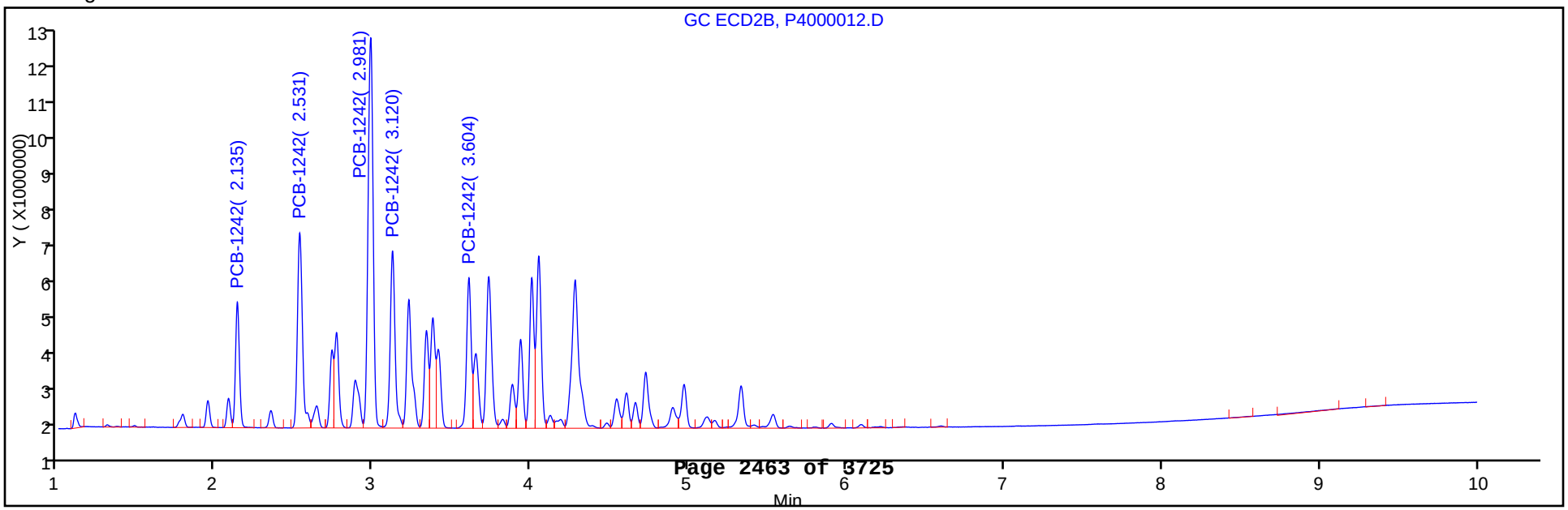
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000012.D

Injection Date:	04-Dec-2012 10:54:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000013.D
Lims ID: STD1 1242 Client ID:
Inject. Date: 04-Dec-2012 11:10:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015497-013
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 67207 Lims Sample ID: 13
Sublist: chrom-PCB4*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:15 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.542	1.544	-0.002	17051344	0.8658		100.0	
1	2	1.824	1.827	-0.003	32027697	0.8818	161.9- 211.9	187.8	
1	3	2.215	2.219	-0.004	69259359	0.9330	349.2- 399.2	406.2	
1	4	2.335	2.339	-0.004	29755945	0.9013	143.3- 193.3	174.5	
1	5	2.715	2.719	-0.004	30072832	0.9092	141.6- 191.6	176.4	
			Average of Peak Amounts =			0.8982			
2	6	2.136	2.134	0.002	11310001	0.8527		100.0	
2	7	2.531	2.529	0.002	22733034	0.8637	170.9- 230.9	201.0	
2	8	2.982	2.980	0.002	47474635	0.9237	354.9- 414.9	419.8	
2	9	3.120	3.119	0.001	19759232	0.8813	140.5- 200.5	174.7	
2	10	3.604	3.602	0.002	16353071	1.02	115.3- 175.3	144.6	
			Average of Peak Amounts =			0.9090			
						RPD = 1.19			

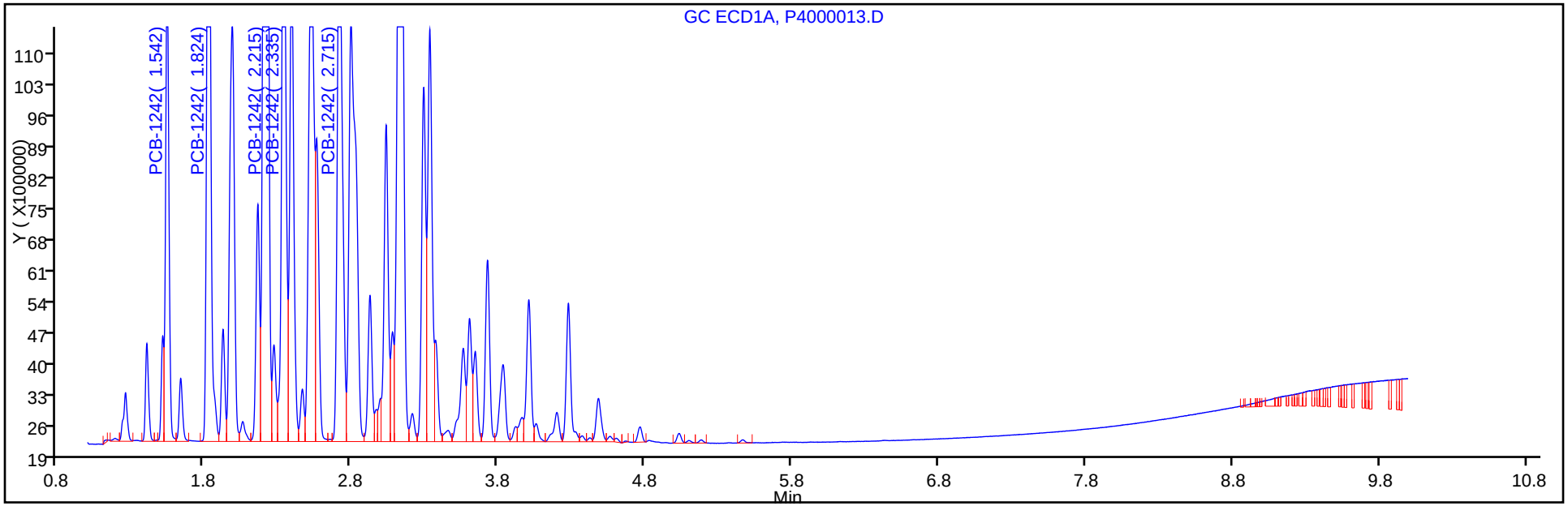
Report Date: 05-Dec-2012 06:34:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

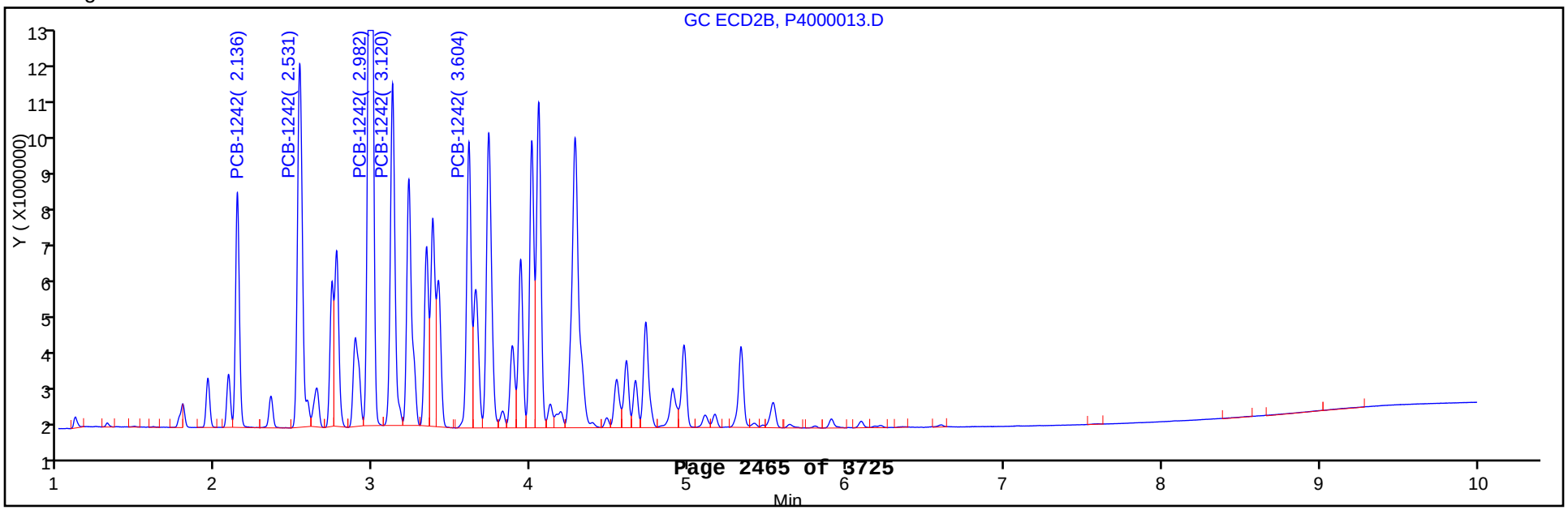
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000013.D

Injection Date:	04-Dec-2012 11:10:04	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	13
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000014.D
Lims ID: STD2 1242 Client ID:
Inject. Date: 04-Dec-2012 11:25:46 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015497-014
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 67207 Lims Sample ID: 14
Sublist: chrom-PCB4*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:13 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.542	1.544	-0.002	31232463	1.59		100.0	
1	2	1.824	1.827	-0.003	58728115	1.62	161.9- 211.9	188.0	
1	3	2.216	2.219	-0.003	130092853	1.75	349.2- 399.2	416.5	
1	4	2.336	2.339	-0.003	55545520	1.68	143.3- 193.3	177.8	
1	5	2.715	2.719	-0.004	55838279	1.69	141.6- 191.6	178.8	
			Average of Peak Amounts =			1.67			
2	6	2.136	2.134	0.002	20815958	1.57		100.0	
2	7	2.531	2.529	0.002	41896853	1.59	170.9- 230.9	201.3	
2	8	2.982	2.980	0.002	89947456	1.75	354.9- 414.9	432.1	
2	9	3.120	3.119	0.001	36846026	1.64	140.5- 200.5	177.0	
2	10	3.604	3.602	0.002	30456555	1.95	115.3- 175.3	146.3	
			Average of Peak Amounts =			1.70			
						RPD = 2.09			

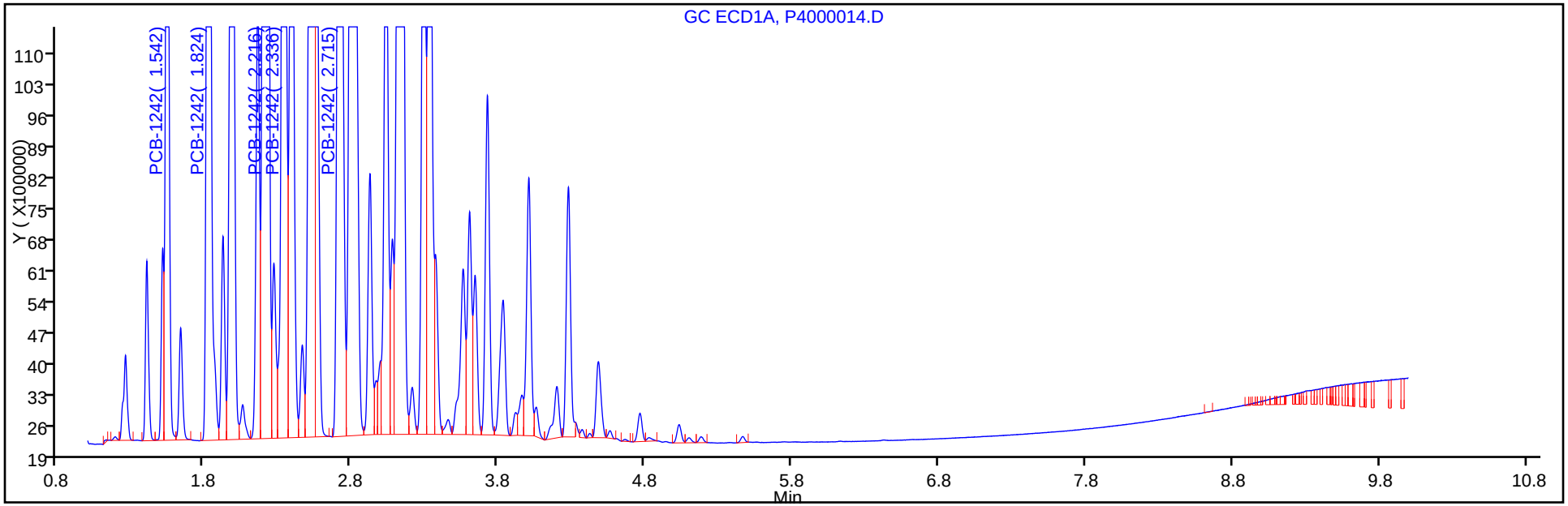
Report Date: 05-Dec-2012 06:34:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

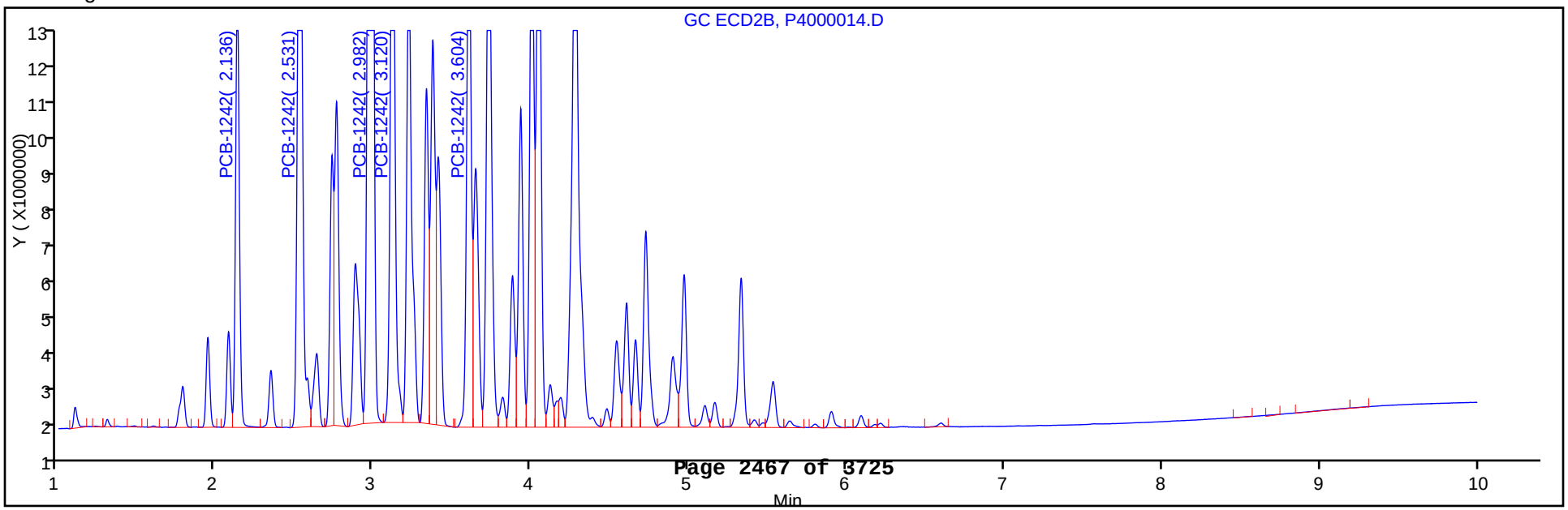
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000014.D

Injection Date:	04-Dec-2012 11:25:46	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 11:41 Calibration End Date: 12/04/2012 13:00 Calibration ID: 12622

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/15	P4000015.D
Level 2	STD01 240-67207/16	P4000016.D
Level 3	STD02 240-67207/17	P4000017.D
Level 4	STD05 240-67207/18	P4000018.D
Level 5	STD1 240-67207/19	P4000019.D
Level 6	STD2 240-67207/20	P4000020.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	1.824	1.823	1.824	1.823	1.823	1.824					1.724 - 1.924	1.824
PCB-1248 Peak 2	2.212	2.213	2.213	2.213	2.213	2.214					2.112 - 2.312	2.213
PCB-1248 Peak 3	2.714	2.715	2.715	2.715	2.714	2.715					2.614 - 2.814	2.715
PCB-1248 Peak 4	3.291	3.292	3.291	3.292	3.292	3.292					3.191 - 3.391	3.292
PCB-1248 Peak 5	3.724	3.725	3.726	3.725	3.725	3.725					3.624 - 3.824	3.725

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 11:41 Calibration End Date: 12/04/2012 13:00 Calibration ID: 12622

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/15	P4000015.D
Level 2	STD01 240-67207/16	P4000016.D
Level 3	STD02 240-67207/17	P4000017.D
Level 4	STD05 240-67207/18	P4000018.D
Level 5	STD1 240-67207/19	P4000019.D
Level 6	STD2 240-67207/20	P4000020.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	20975640 16025649	20187410 14044768	18877980	17489138	Ave		17933430.8				15.0		20.0			
PCB-1248 Peak 2	48964480 45563248	47540640 41453178	45982470	48292488	Ave		46299417.3				5.9		20.0			
PCB-1248 Peak 3	59431140 49531951	59138450 44968464	55920410	53216454	Ave		53701144.8				11.0		20.0			
PCB-1248 Peak 4	31542300 28937147	32091370 26716013	31130525	30694026	Ave		30185230.2				6.7		20.0			
PCB-1248 Peak 5	27873920 24821622	27166790 22975526	27513810	26622010	Ave		26162279.7				7.2		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 11:41 Calibration End Date: 12/04/2012 13:00 Calibration ID: 12622

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/15	P4000015.D
Level 2	STD01 240-67207/16	P4000016.D
Level 3	STD02 240-67207/17	P4000017.D
Level 4	STD05 240-67207/18	P4000018.D
Level 5	STD1 240-67207/19	P4000019.D
Level 6	STD2 240-67207/20	P4000020.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	1048782 28089536	2018741	3775596	8744569	16025649	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	Ave	2448224 82906356	4754064	9196494	24146244	45563248	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	Ave	2971557 89936927	5913845	11184082	26608227	49531951	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	Ave	1577115 53432026	3209137	6226105	15347013	28937147	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	Ave	1393696 45951052	2716679	5502762	13311005	24821622	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000015.D
Lims ID: STD005 1248 Client ID:
Inject. Date: 04-Dec-2012 11:41:31 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015497-015
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 67207 Lims Sample ID: 15
Sublist: chrom-PCB4*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:12 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.824	1.824	0.000	1048782	0.0585		100.0	
1	2	2.212	2.212	0.000	2448224	0.0529	218.6- 268.6	233.4	
1	3	2.714	2.714	0.000	2971557	0.0553	271.2- 321.2	283.3	
1	4	3.291	3.291	0.000	1577115	0.0522	139.9- 189.9	150.4	
1	5	3.724	3.724	0.000	1393696	0.0533	120.7- 170.7	132.9	
			Average of Peak Amounts =			0.0544			
2	6	2.531	2.531	0.000	786879	0.0605		100.0	
2	7	2.981	2.981	0.000	1967680	0.0574	227.5- 287.5	250.1	
2	8	3.730	3.730	0.000	1914843	0.0569	223.8- 283.8	243.3	
2	9	4.003	4.003	0.000	1892848	0.0574	218.9- 278.9	240.6	
2	10	4.726	4.726	0.000	1138821	0.0555	126.8- 186.8	144.7	
			Average of Peak Amounts =			0.0575			
						RPD = 5.53			

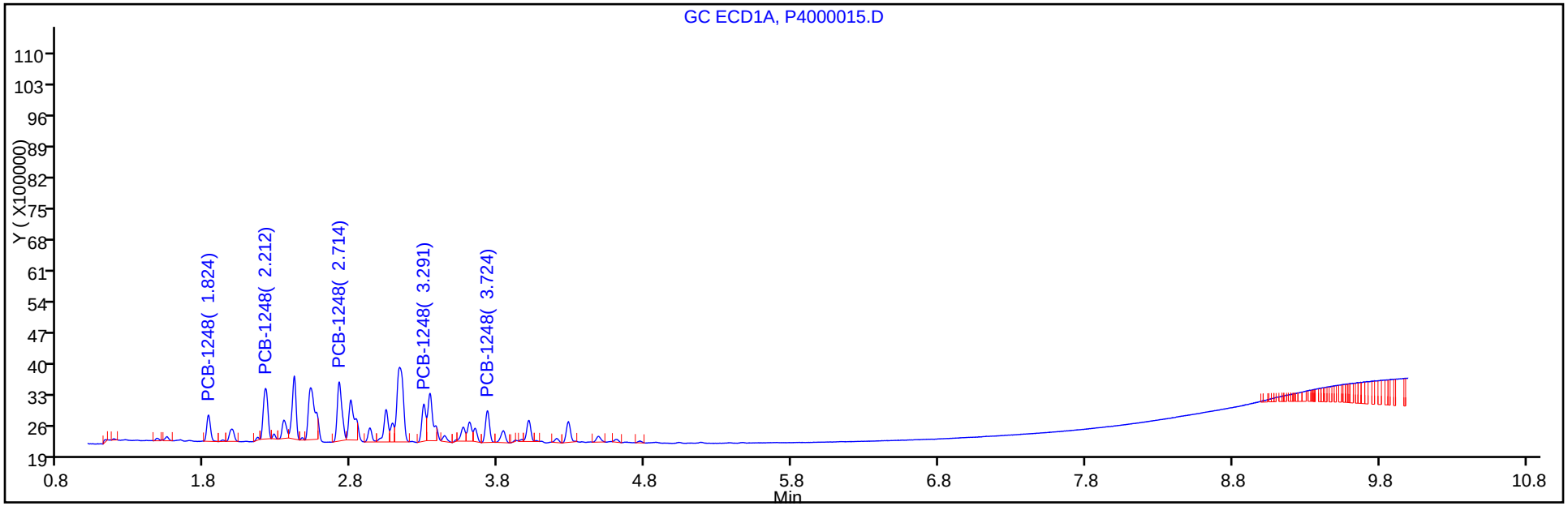
Report Date: 05-Dec-2012 06:34:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

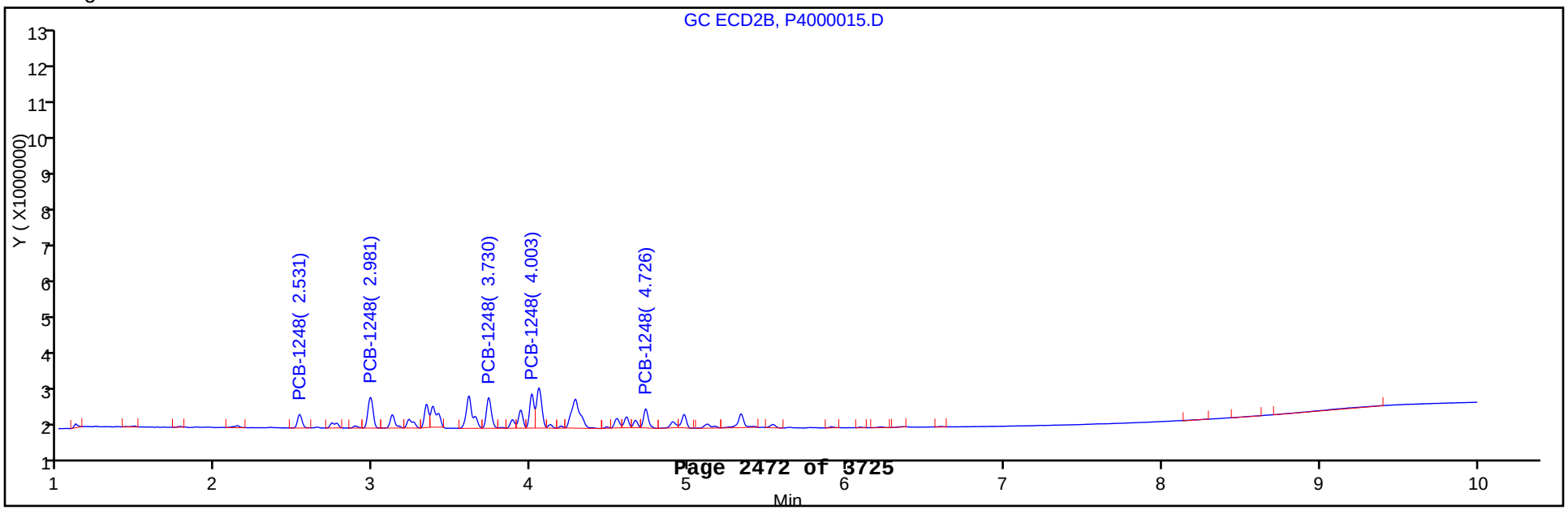
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000015.D

Injection Date:	04-Dec-2012 11:41:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000016.D
Lims ID: STD01 1248 Client ID:
Inject. Date: 04-Dec-2012 11:57:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015497-016
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 67207 Lims Sample ID: 16
Sublist: chrom-PCB4*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:10 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.823	1.824	-0.001	2018741	0.1126		100.0	
1	2	2.213	2.212	0.001	4754064	0.1027	218.6- 268.6	235.5	
1	3	2.715	2.714	0.001	5913845	0.1101	271.2- 321.2	292.9	
1	4	3.292	3.291	0.001	3209137	0.1063	139.9- 189.9	159.0	
1	5	3.725	3.724	0.001	2716679	0.1038	120.7- 170.7	134.6	
			Average of Peak Amounts =			0.1071			
2	6	2.530	2.531	-0.001	1482750	0.1140		100.0	
2	7	2.980	2.981	-0.001	3696763	0.1079	227.5- 287.5	249.3	
2	8	3.730	3.730	0.000	3771736	0.1120	223.8- 283.8	254.4	
2	9	4.003	4.003	0.000	3594722	0.1089	218.9- 278.9	242.4	
2	10	4.725	4.726	-0.001	2253153	0.1099	126.8- 186.8	152.0	
			Average of Peak Amounts =			0.1105			
						RPD = 3.16			

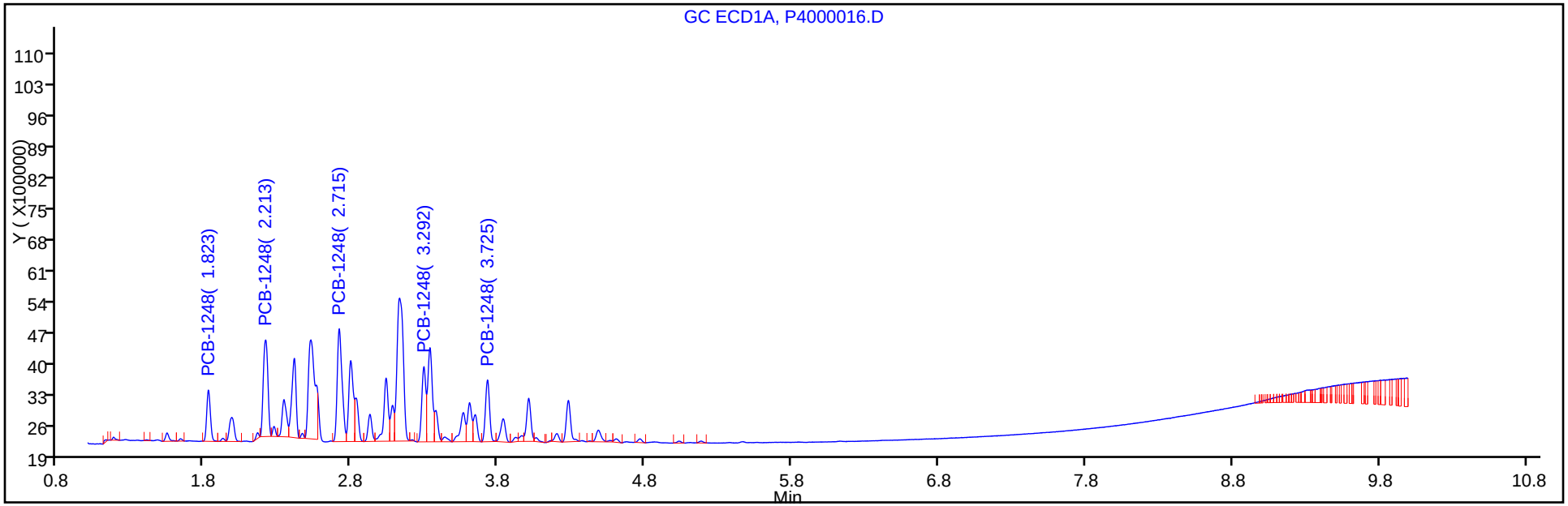
Report Date: 05-Dec-2012 06:34:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

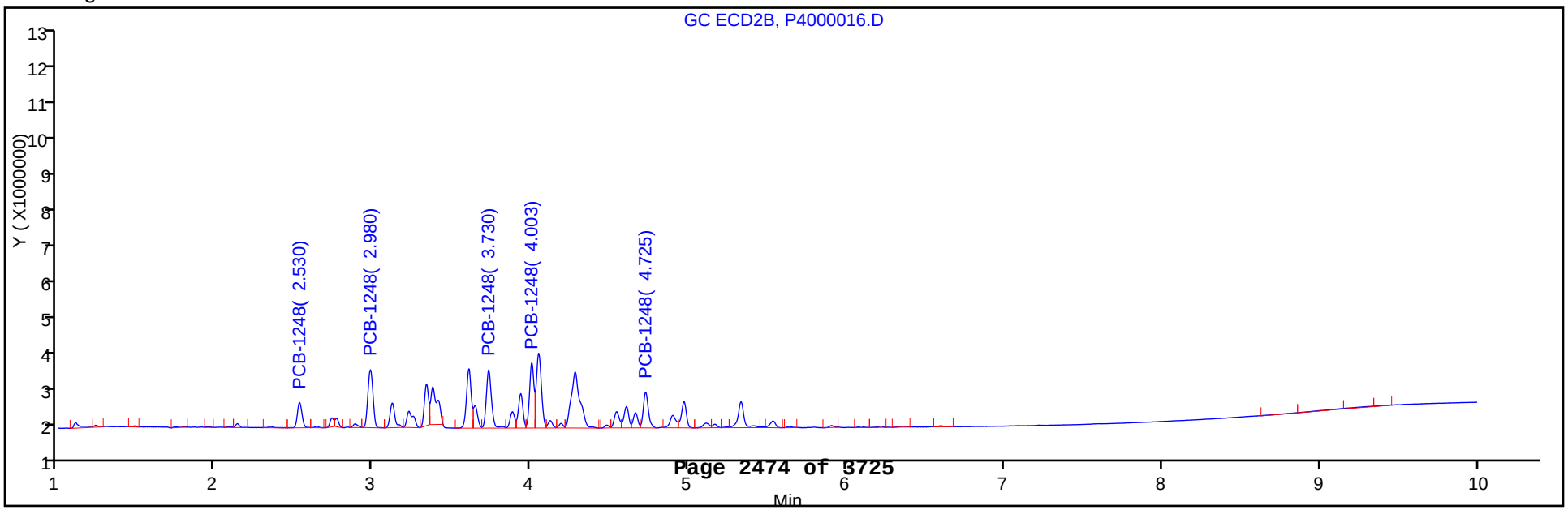
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000016.D

Injection Date:	04-Dec-2012 11:57:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000017.D
Lims ID: STD02 1248 Client ID:
Inject. Date: 04-Dec-2012 12:13:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015497-017
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 67207 Lims Sample ID: 17
Sublist: chrom-PCB4*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:09 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.824	1.824	0.000	3775596	0.2105		100.0	
1	2	2.213	2.212	0.001	9196494	0.1986	218.6- 268.6	243.6	
1	3	2.715	2.714	0.001	11184082	0.2083	271.2- 321.2	296.2	
1	4	3.291	3.291	0.000	6226105	0.2063	139.9- 189.9	164.9	
1	5	3.726	3.724	0.002	5502762	0.2103	120.7- 170.7	145.7	
			Average of Peak Amounts =			0.2068			
2	6	2.530	2.531	-0.001	2725585	0.2096		100.0	
2	7	2.978	2.981	-0.003	7018539	0.2048	227.5- 287.5	257.5	
2	8	3.730	3.730	0.000	6917875	0.2054	223.8- 283.8	253.8	
2	9	4.003	4.003	0.000	6785107	0.2056	218.9- 278.9	248.9	
2	10	4.726	4.726	0.000	4273823	0.2084	126.8- 186.8	156.8	
			Average of Peak Amounts =			0.2068			
						RPD = 0.01			

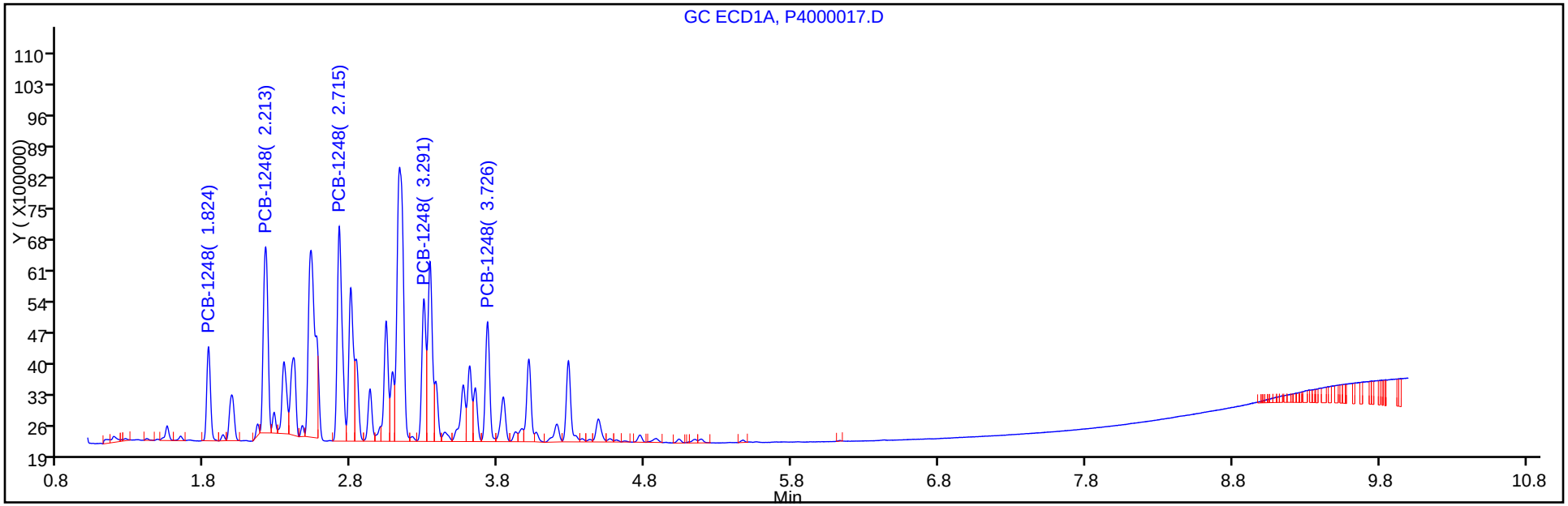
Report Date: 05-Dec-2012 06:34:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

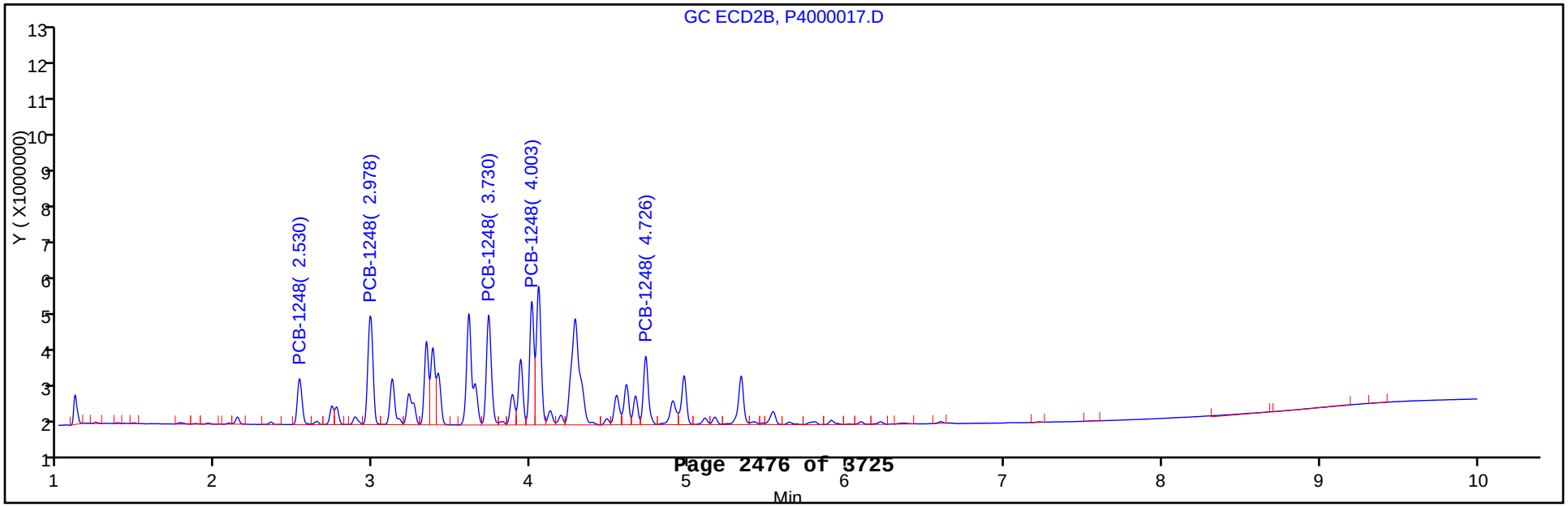
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000017.D

Injection Date:	04-Dec-2012 12:13:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000018.D
Lims ID: STD05 1248 Client ID:
Inject. Date: 04-Dec-2012 12:28:46 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015497-018
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 67207 Lims Sample ID: 18
Sublist: chrom-PCB4*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.823	1.824	-0.001	8744569	0.4876		100.0	
1	2	2.213	2.212	0.001	24146244	0.5215	218.6- 268.6	276.1	
1	3	2.715	2.714	0.001	26608227	0.4955	271.2- 321.2	304.3	
1	4	3.292	3.291	0.001	15347013	0.5084	139.9- 189.9	175.5	
1	5	3.725	3.724	0.001	13311005	0.5088	120.7- 170.7	152.2	
			Average of Peak Amounts =			0.5044			
2	6	2.531	2.531	0.000	6246847	0.4805		100.0	
2	7	2.979	2.981	-0.002	16851613	0.4917	227.5- 287.5	269.8	
2	8	3.731	3.730	0.001	16437144	0.4882	223.8- 283.8	263.1	
2	9	4.004	4.003	0.001	16143989	0.4892	218.9- 278.9	258.4	
2	10	4.727	4.726	0.001	10207698	0.4978	126.8- 186.8	163.4	
			Average of Peak Amounts =			0.4895			
						RPD = 3.00			

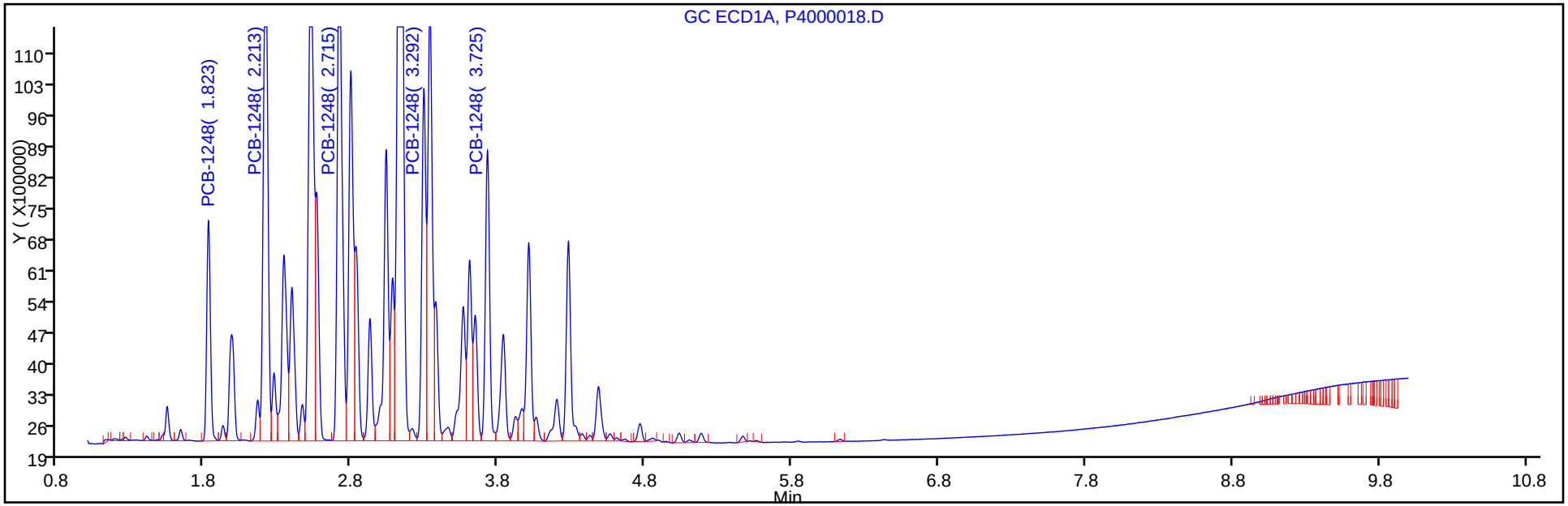
Report Date: 05-Dec-2012 06:34:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

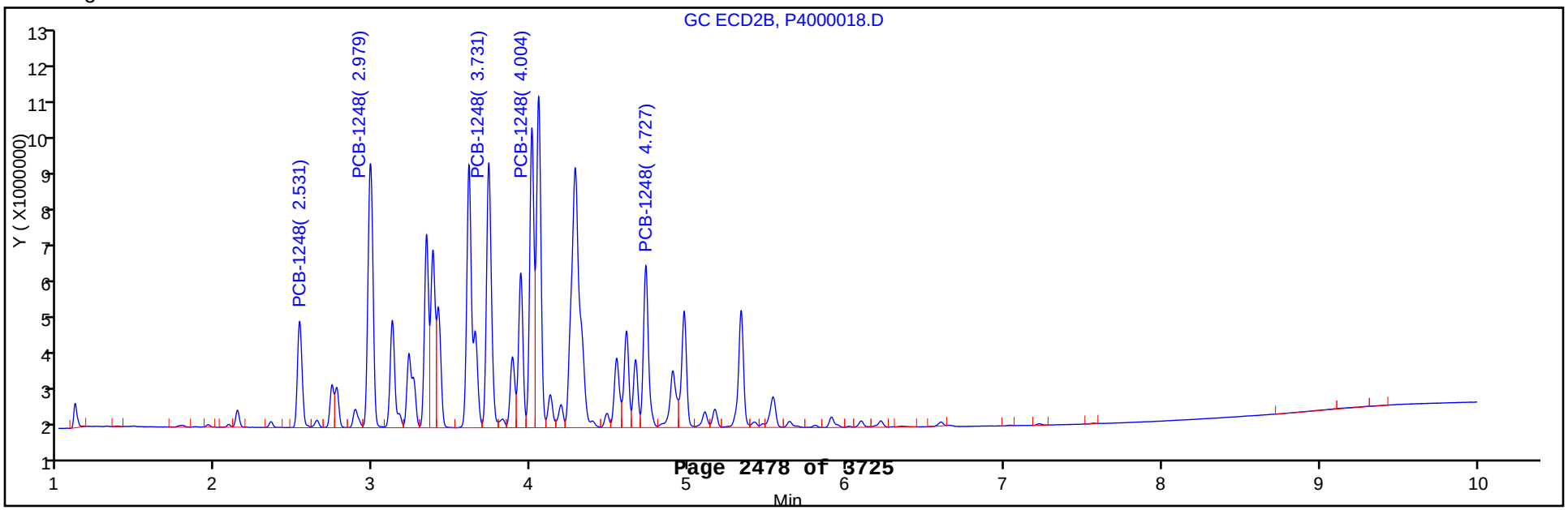
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000018.D

Injection Date:	04-Dec-2012 12:28:46	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000019.D
Lims ID: STD1 1248 Client ID:
Inject. Date: 04-Dec-2012 12:44:31 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015497-019
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 67207 Lims Sample ID: 19
Sublist: chrom-PCB4*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:06 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.823	1.824	-0.001	16025649	0.8936		100.0	
1	2	2.213	2.212	0.001	45563248	0.9841	218.6- 268.6	284.3	
1	3	2.714	2.714	0.000	49531951	0.9224	271.2- 321.2	309.1	
1	4	3.292	3.291	0.001	28937147	0.9587	139.9- 189.9	180.6	
1	5	3.725	3.724	0.001	24821622	0.9488	120.7- 170.7	154.9	
			Average of Peak Amounts =			0.9415			
2	6	2.530	2.531	-0.001	11379892	0.8752		100.0	
2	7	2.981	2.981	0.000	31706937	0.9251	227.5- 287.5	278.6	
2	8	3.731	3.730	0.001	30658201	0.9105	223.8- 283.8	269.4	
2	9	4.004	4.003	0.001	30480230	0.9236	218.9- 278.9	267.8	
2	10	4.727	4.726	0.001	18849222	0.9192	126.8- 186.8	165.6	
			Average of Peak Amounts =			0.9107			
						RPD = 3.32			

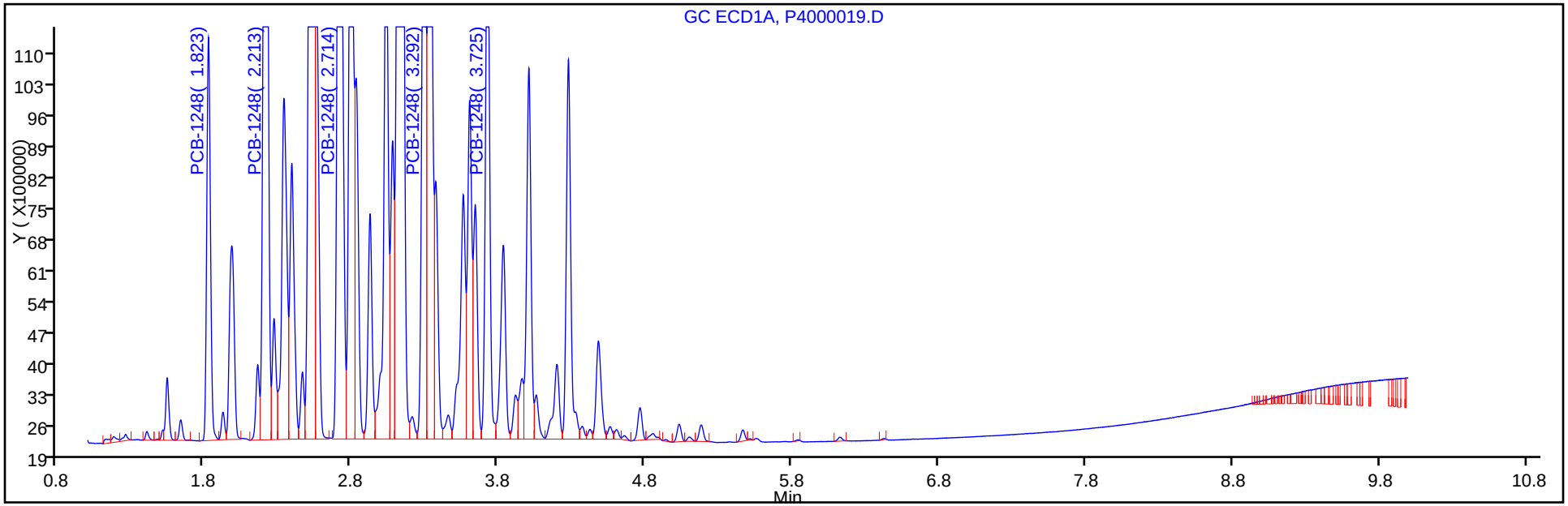
Report Date: 05-Dec-2012 06:34:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

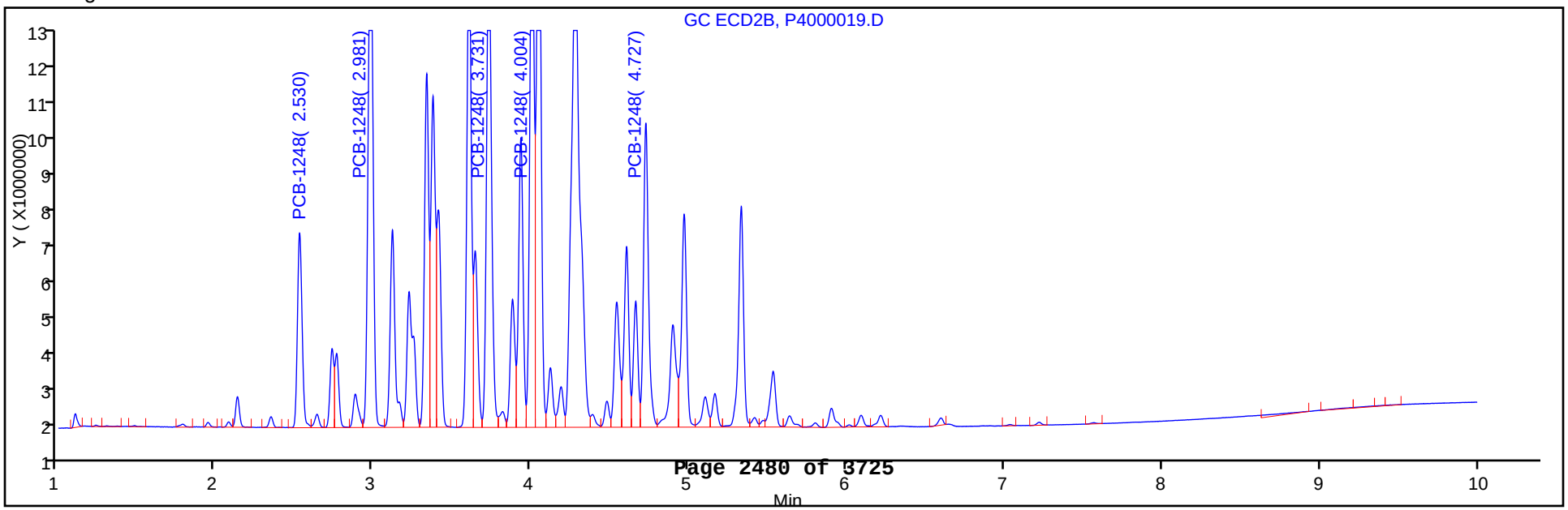
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000019.D

Injection Date:	04-Dec-2012 12:44:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000020.D
Lims ID: STD2 1248 Client ID:
Inject. Date: 04-Dec-2012 13:00:14 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015497-020
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 67207 Lims Sample ID: 20
Sublist: chrom-PCB4*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:04 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.824	1.824	0.000	28089536	1.57		100.0	
1	2	2.214	2.212	0.002	82906356	1.79	218.6- 268.6	295.2	
1	3	2.715	2.714	0.001	89936927	1.67	271.2- 321.2	320.2	
1	4	3.292	3.291	0.001	53432026	1.77	139.9- 189.9	190.2	
1	5	3.725	3.724	0.001	45951052	1.76	120.7- 170.7	163.6	
			Average of Peak Amounts =			1.71			
2	6	2.531	2.531	0.000	19890780	1.53		100.0	
2	7	2.981	2.981	0.000	57635001	1.68	227.5- 287.5	289.8	
2	8	3.731	3.730	0.001	55789929	1.66	223.8- 283.8	280.5	
2	9	4.004	4.003	0.001	55033342	1.67	218.9- 278.9	276.7	
2	10	4.727	4.726	0.001	34184063	1.67	126.8- 186.8	171.9	
			Average of Peak Amounts =			1.64			
						RPD = 4.24			

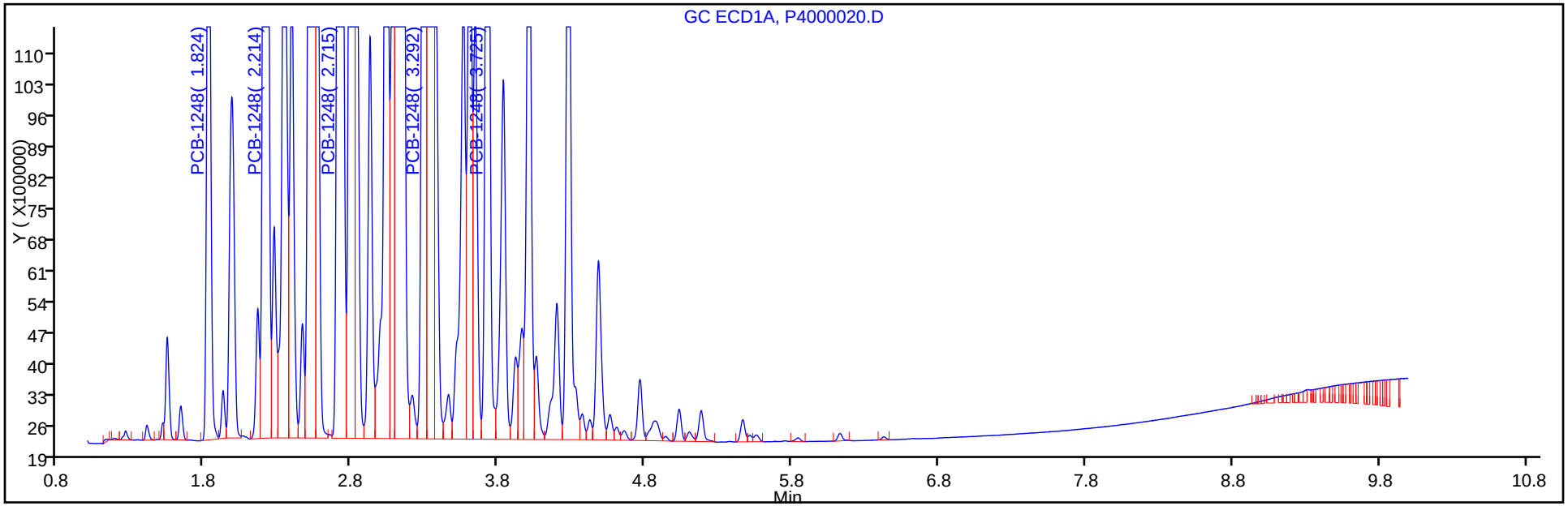
Report Date: 05-Dec-2012 06:34:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

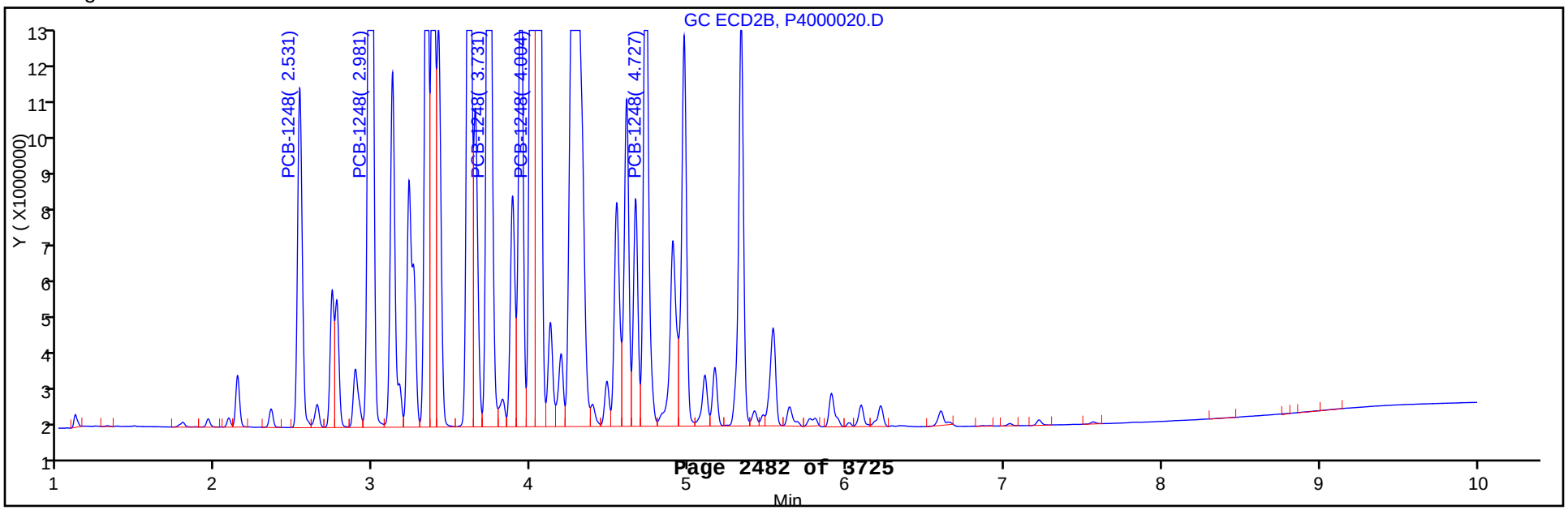
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000020.D

Injection Date:	04-Dec-2012 13:00:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 11:41 Calibration End Date: 12/04/2012 13:00 Calibration ID: 12623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/15	P4000015.D
Level 2	STD01 240-67207/16	P4000016.D
Level 3	STD02 240-67207/17	P4000017.D
Level 4	STD05 240-67207/18	P4000018.D
Level 5	STD1 240-67207/19	P4000019.D
Level 6	STD2 240-67207/20	P4000020.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	2.531	2.530	2.530	2.531	2.530	2.531					2.431 - 2.631	2.531
PCB-1248 Peak 2	2.981	2.980	2.978	2.979	2.981	2.981					2.881 - 3.081	2.980
PCB-1248 Peak 3	3.730	3.730	3.730	3.731	3.731	3.731					3.630 - 3.830	3.731
PCB-1248 Peak 4	4.003	4.003	4.003	4.004	4.004	4.004					3.903 - 4.103	4.004
PCB-1248 Peak 5	4.726	4.725	4.726	4.727	4.727	4.727					4.626 - 4.826	4.726

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 11:41 Calibration End Date: 12/04/2012 13:00 Calibration ID: 12623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/15	P4000015.D
Level 2	STD01 240-67207/16	P4000016.D
Level 3	STD02 240-67207/17	P4000017.D
Level 4	STD05 240-67207/18	P4000018.D
Level 5	STD1 240-67207/19	P4000019.D
Level 6	STD2 240-67207/20	P4000020.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	15737580 11379892	14827500 9945390	13627925	12493694	Ave		13001996.8				17.0		20.0			
PCB-1248 Peak 2	39353600 31706937	36967630 28817501	35092695	33703226	Ave		34273598.1				11.0		20.0			
PCB-1248 Peak 3	38296860 30658201	37717360 27894965	34589375	32874288	Ave		33671841.4				12.0		20.0			
PCB-1248 Peak 4	37856960 30480230	35947220 27516671	33925535	32287978	Ave		33002432.3				11.0		20.0			
PCB-1248 Peak 5	22776420 18849222	22531530 17092032	21369115	20415396	Ave		20505619.1				11.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 11:41 Calibration End Date: 12/04/2012 13:00 Calibration ID: 12623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/15	P4000015.D
Level 2	STD01 240-67207/16	P4000016.D
Level 3	STD02 240-67207/17	P4000017.D
Level 4	STD05 240-67207/18	P4000018.D
Level 5	STD1 240-67207/19	P4000019.D
Level 6	STD2 240-67207/20	P4000020.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	786879 19890780	1482750	2725585	6246847	11379892	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	Ave	1967680 57635001	3696763	7018539	16851613	31706937	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	Ave	1914843 55789929	3771736	6917875	16437144	30658201	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	Ave	1892848 55033342	3594722	6785107	16143989	30480230	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	Ave	1138821 34184063	2253153	4273823	10207698	18849222	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000015.D
Lims ID: STD005 1248 Client ID:
Inject. Date: 04-Dec-2012 11:41:31 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015497-015
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 67207 Lims Sample ID: 15
Sublist: chrom-PCB4*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:12 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.824	1.824	0.000	1048782	0.0585		100.0	
1	2	2.212	2.212	0.000	2448224	0.0529	218.6- 268.6	233.4	
1	3	2.714	2.714	0.000	2971557	0.0553	271.2- 321.2	283.3	
1	4	3.291	3.291	0.000	1577115	0.0522	139.9- 189.9	150.4	
1	5	3.724	3.724	0.000	1393696	0.0533	120.7- 170.7	132.9	
			Average of Peak Amounts =			0.0544			
2	6	2.531	2.531	0.000	786879	0.0605		100.0	
2	7	2.981	2.981	0.000	1967680	0.0574	227.5- 287.5	250.1	
2	8	3.730	3.730	0.000	1914843	0.0569	223.8- 283.8	243.3	
2	9	4.003	4.003	0.000	1892848	0.0574	218.9- 278.9	240.6	
2	10	4.726	4.726	0.000	1138821	0.0555	126.8- 186.8	144.7	
			Average of Peak Amounts =			0.0575			
						RPD = 5.53			

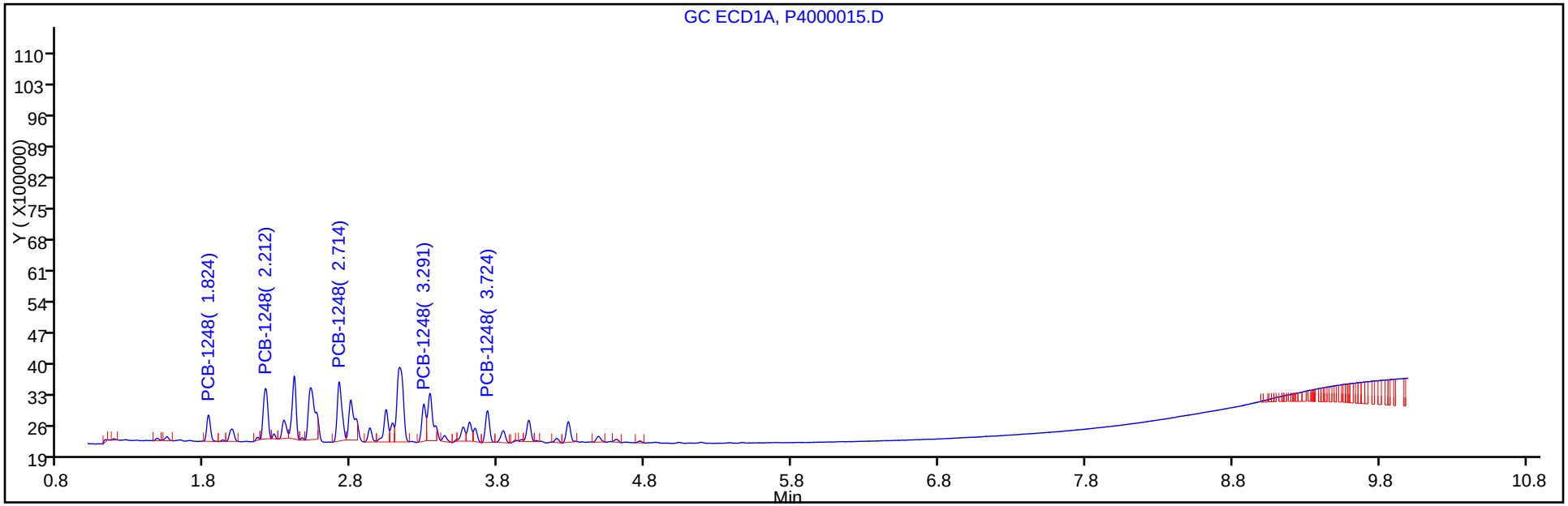
Report Date: 05-Dec-2012 06:34:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

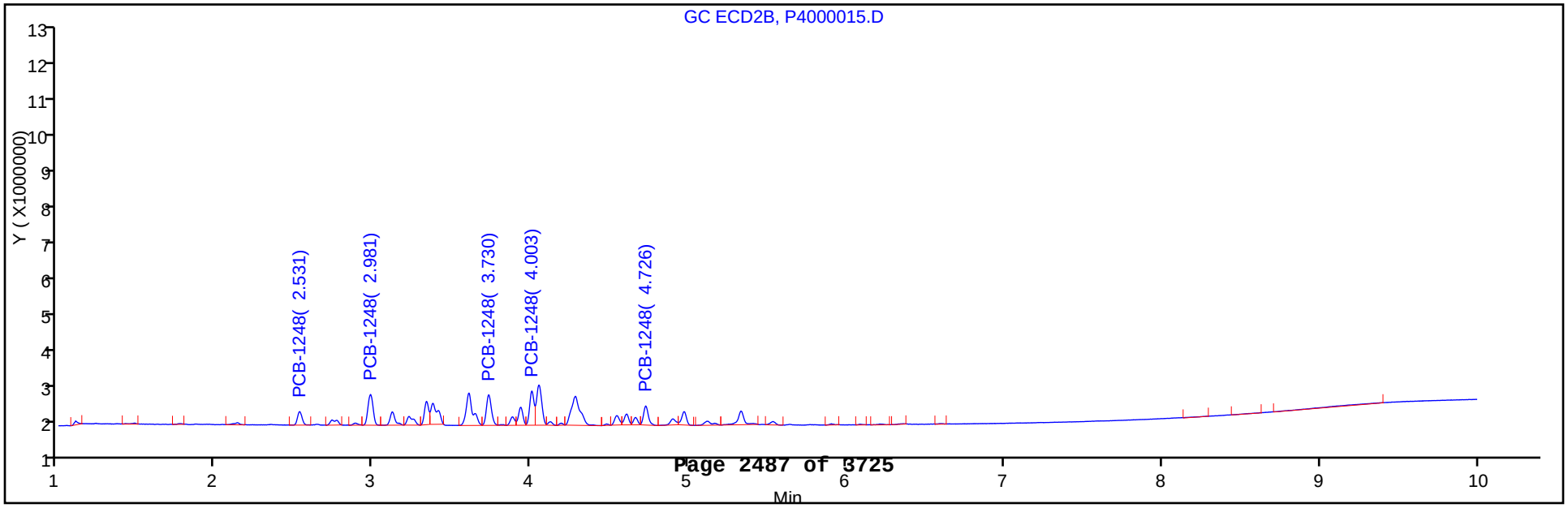
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000015.D

Injection Date:	04-Dec-2012 11:41:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000016.D
Lims ID: STD01 1248 Client ID:
Inject. Date: 04-Dec-2012 11:57:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015497-016
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 67207 Lims Sample ID: 16
Sublist: chrom-PCB4*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:10 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.823	1.824	-0.001	2018741	0.1126		100.0	
1	2	2.213	2.212	0.001	4754064	0.1027	218.6- 268.6	235.5	
1	3	2.715	2.714	0.001	5913845	0.1101	271.2- 321.2	292.9	
1	4	3.292	3.291	0.001	3209137	0.1063	139.9- 189.9	159.0	
1	5	3.725	3.724	0.001	2716679	0.1038	120.7- 170.7	134.6	
			Average of Peak Amounts =			0.1071			
2	6	2.530	2.531	-0.001	1482750	0.1140		100.0	
2	7	2.980	2.981	-0.001	3696763	0.1079	227.5- 287.5	249.3	
2	8	3.730	3.730	0.000	3771736	0.1120	223.8- 283.8	254.4	
2	9	4.003	4.003	0.000	3594722	0.1089	218.9- 278.9	242.4	
2	10	4.725	4.726	-0.001	2253153	0.1099	126.8- 186.8	152.0	
			Average of Peak Amounts =			0.1105			
						RPD = 3.16			

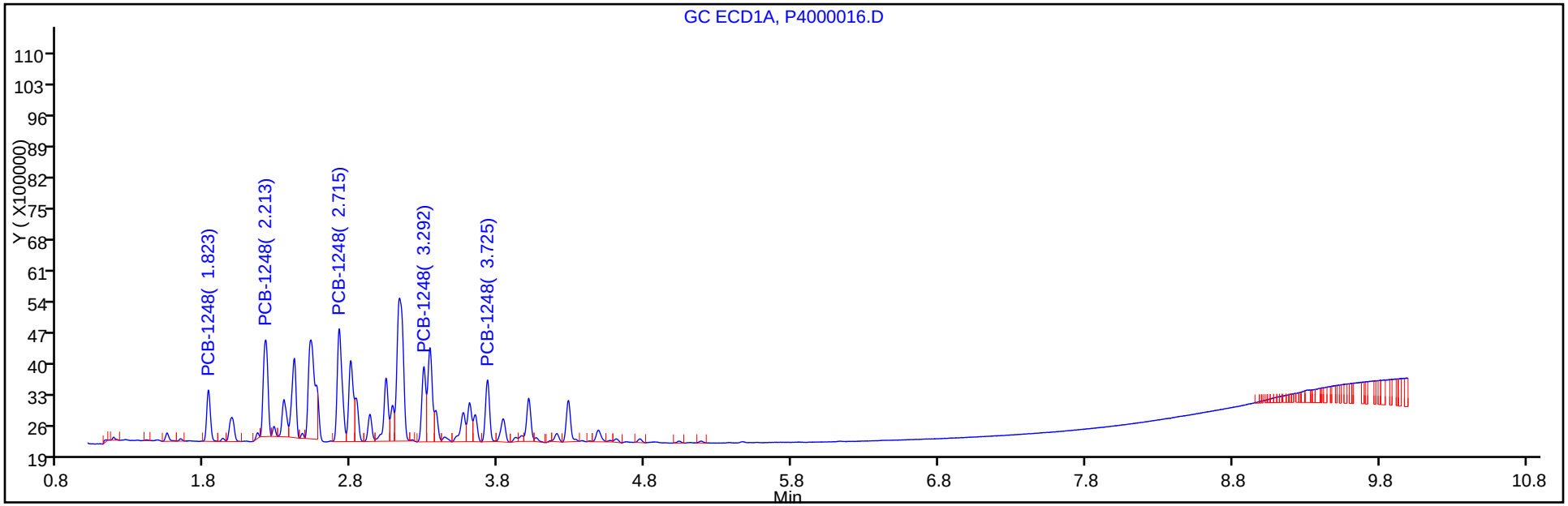
Report Date: 05-Dec-2012 06:34:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

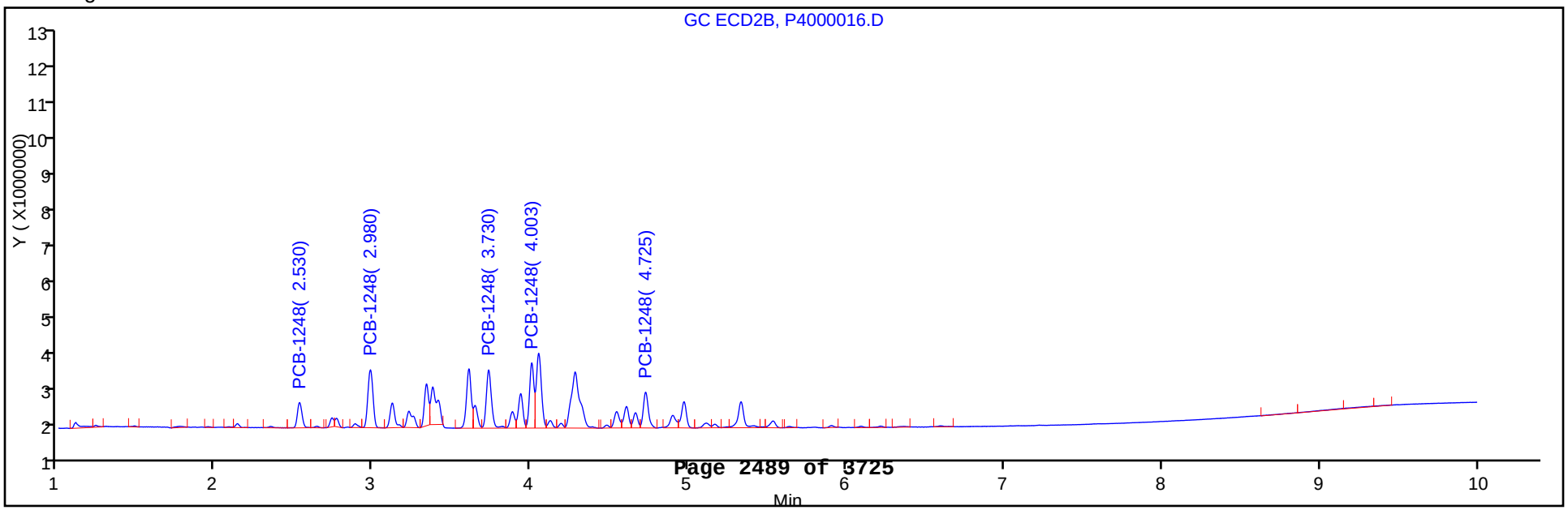
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000016.D

Injection Date:	04-Dec-2012 11:57:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000017.D
Lims ID: STD02 1248 Client ID:
Inject. Date: 04-Dec-2012 12:13:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015497-017
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 67207 Lims Sample ID: 17
Sublist: chrom-PCB4*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:09 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.824	1.824	0.000	3775596	0.2105		100.0	
1	2	2.213	2.212	0.001	9196494	0.1986	218.6- 268.6	243.6	
1	3	2.715	2.714	0.001	11184082	0.2083	271.2- 321.2	296.2	
1	4	3.291	3.291	0.000	6226105	0.2063	139.9- 189.9	164.9	
1	5	3.726	3.724	0.002	5502762	0.2103	120.7- 170.7	145.7	
			Average of Peak Amounts =			0.2068			
2	6	2.530	2.531	-0.001	2725585	0.2096		100.0	
2	7	2.978	2.981	-0.003	7018539	0.2048	227.5- 287.5	257.5	
2	8	3.730	3.730	0.000	6917875	0.2054	223.8- 283.8	253.8	
2	9	4.003	4.003	0.000	6785107	0.2056	218.9- 278.9	248.9	
2	10	4.726	4.726	0.000	4273823	0.2084	126.8- 186.8	156.8	
			Average of Peak Amounts =			0.2068			
						RPD = 0.01			

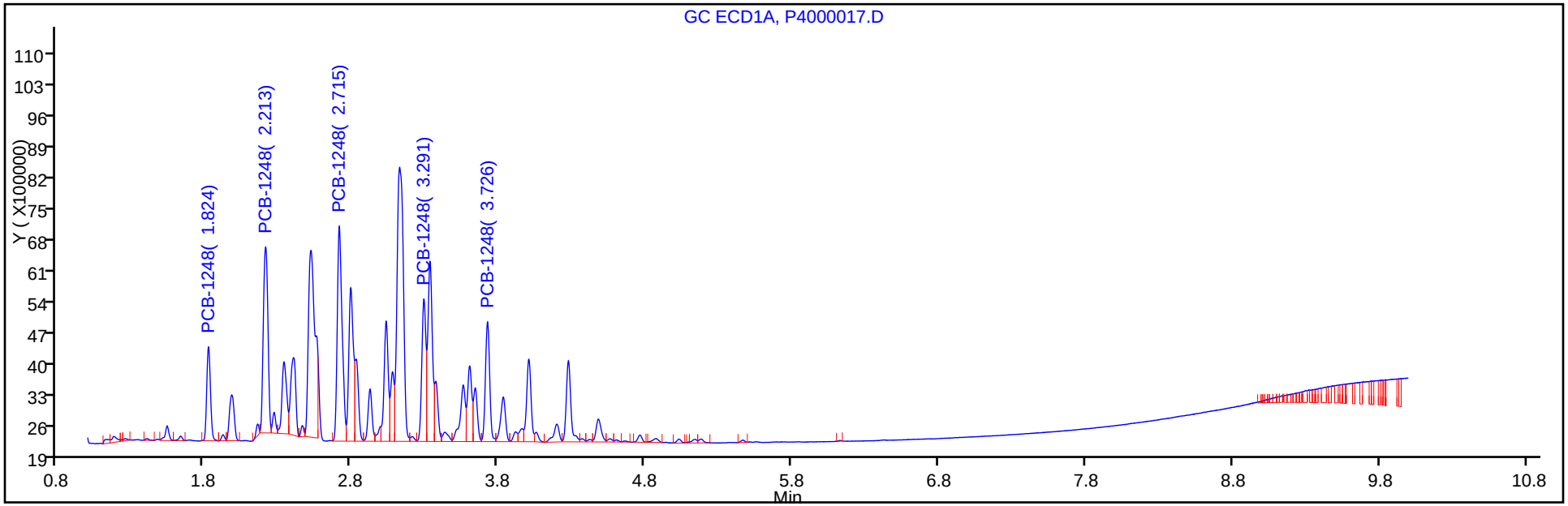
Report Date: 05-Dec-2012 06:34:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

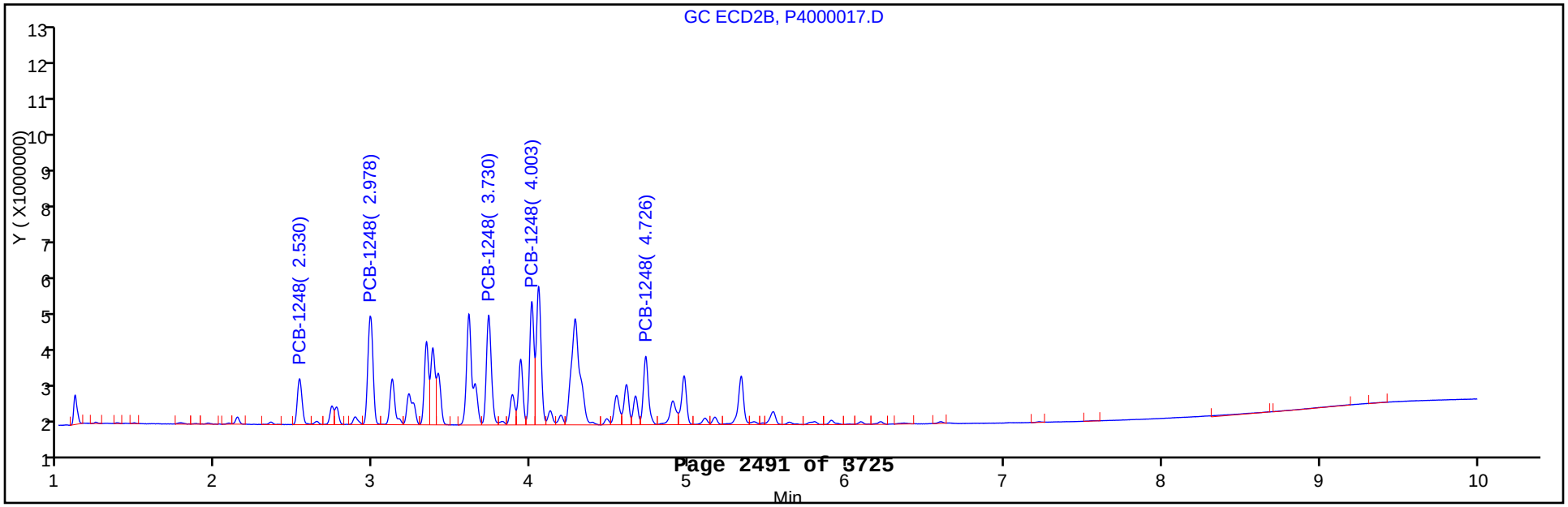
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000017.D

Injection Date:	04-Dec-2012 12:13:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000018.D
Lims ID: STD05 1248 Client ID:
Inject. Date: 04-Dec-2012 12:28:46 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015497-018
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 67207 Lims Sample ID: 18
Sublist: chrom-PCB4*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.823	1.824	-0.001	8744569	0.4876		100.0	
1	2	2.213	2.212	0.001	24146244	0.5215	218.6- 268.6	276.1	
1	3	2.715	2.714	0.001	26608227	0.4955	271.2- 321.2	304.3	
1	4	3.292	3.291	0.001	15347013	0.5084	139.9- 189.9	175.5	
1	5	3.725	3.724	0.001	13311005	0.5088	120.7- 170.7	152.2	
			Average of Peak Amounts =			0.5044			
2	6	2.531	2.531	0.000	6246847	0.4805		100.0	
2	7	2.979	2.981	-0.002	16851613	0.4917	227.5- 287.5	269.8	
2	8	3.731	3.730	0.001	16437144	0.4882	223.8- 283.8	263.1	
2	9	4.004	4.003	0.001	16143989	0.4892	218.9- 278.9	258.4	
2	10	4.727	4.726	0.001	10207698	0.4978	126.8- 186.8	163.4	
			Average of Peak Amounts =			0.4895			
						RPD = 3.00			

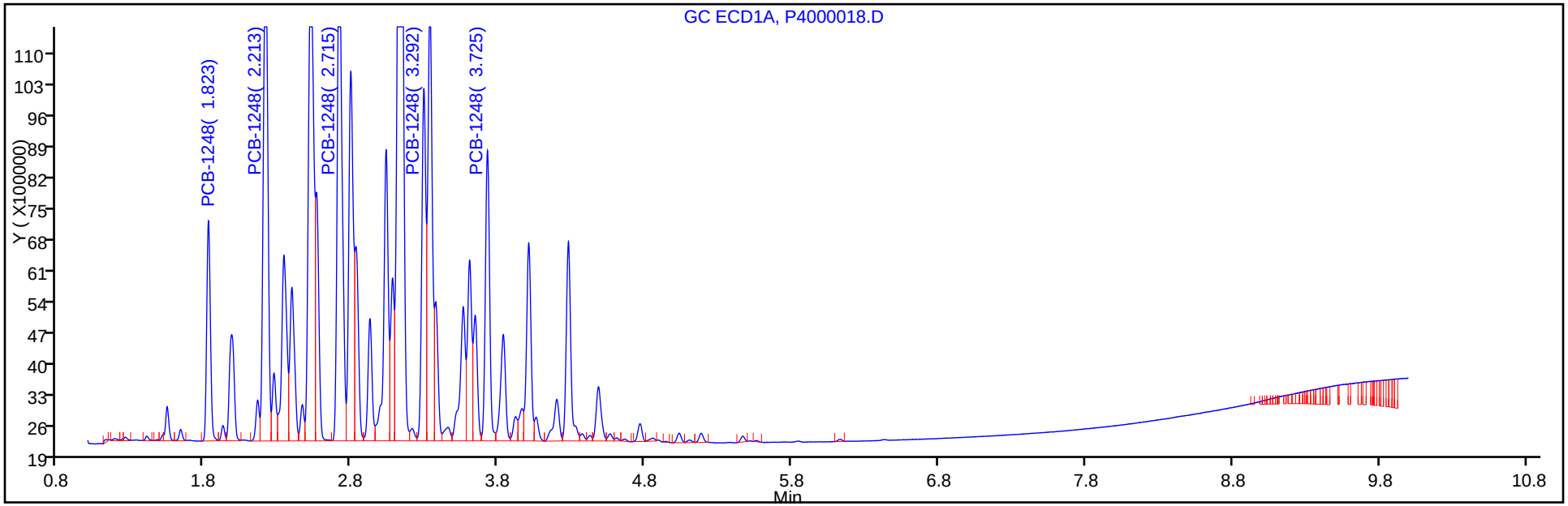
Report Date: 05-Dec-2012 06:34:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

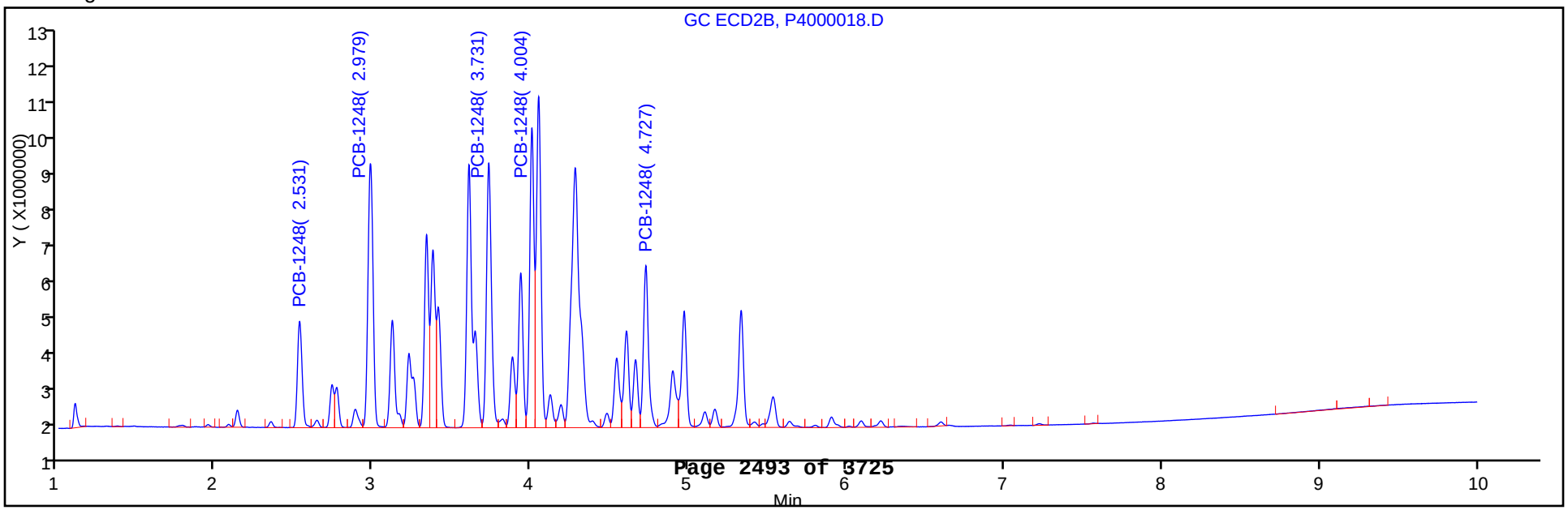
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000018.D

Injection Date:	04-Dec-2012 12:28:46	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000019.D
Lims ID: STD1 1248 Client ID:
Inject. Date: 04-Dec-2012 12:44:31 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015497-019
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 67207 Lims Sample ID: 19
Sublist: chrom-PCB4*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:06 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.823	1.824	-0.001	16025649	0.8936		100.0	
1	2	2.213	2.212	0.001	45563248	0.9841	218.6- 268.6	284.3	
1	3	2.714	2.714	0.000	49531951	0.9224	271.2- 321.2	309.1	
1	4	3.292	3.291	0.001	28937147	0.9587	139.9- 189.9	180.6	
1	5	3.725	3.724	0.001	24821622	0.9488	120.7- 170.7	154.9	
			Average of Peak Amounts =			0.9415			
2	6	2.530	2.531	-0.001	11379892	0.8752		100.0	
2	7	2.981	2.981	0.000	31706937	0.9251	227.5- 287.5	278.6	
2	8	3.731	3.730	0.001	30658201	0.9105	223.8- 283.8	269.4	
2	9	4.004	4.003	0.001	30480230	0.9236	218.9- 278.9	267.8	
2	10	4.727	4.726	0.001	18849222	0.9192	126.8- 186.8	165.6	
			Average of Peak Amounts =			0.9107			
						RPD = 3.32			

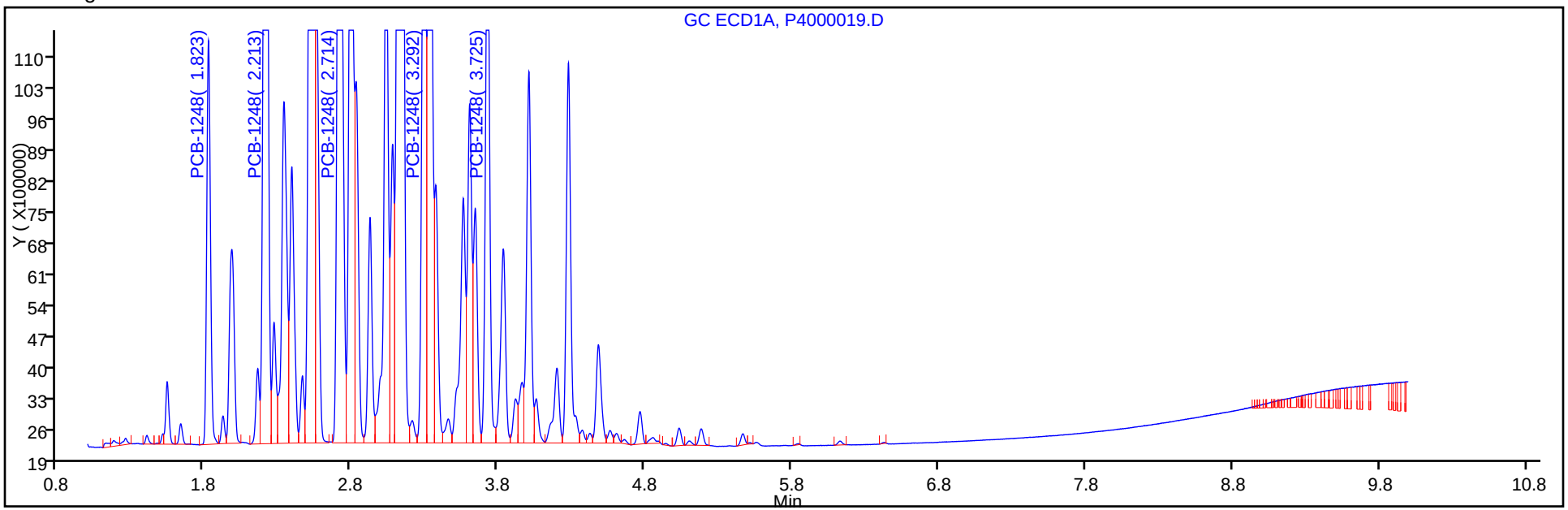
Report Date: 05-Dec-2012 06:34:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

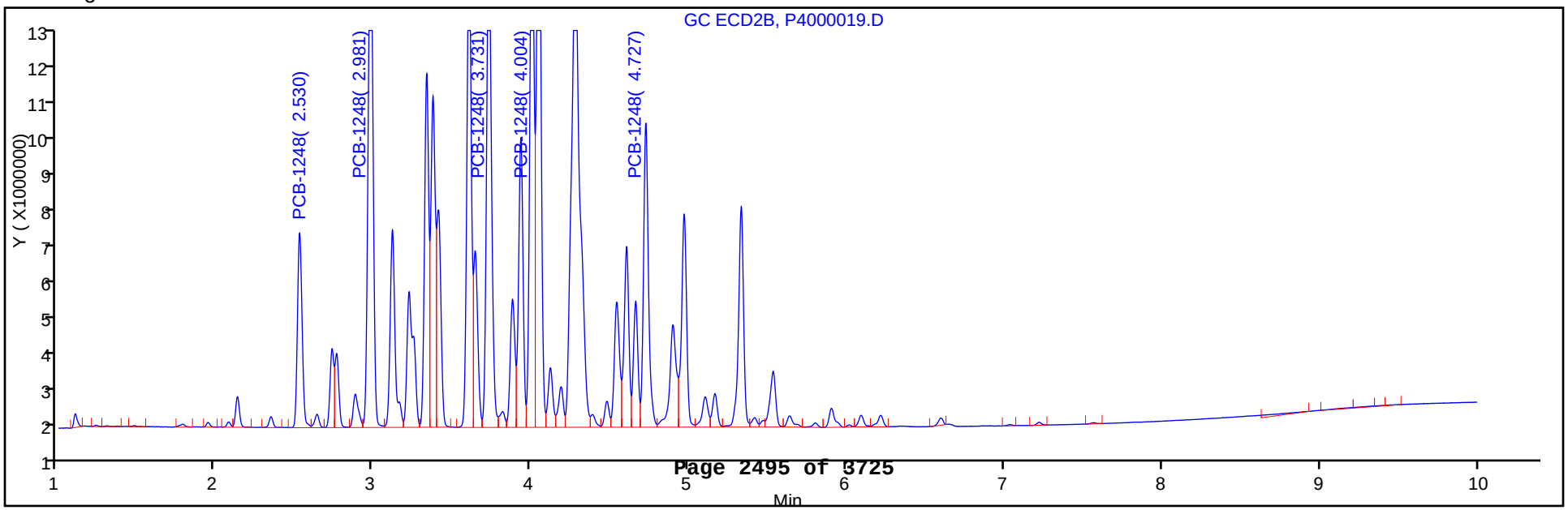
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000019.D

Injection Date:	04-Dec-2012 12:44:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000020.D
Lims ID: STD2 1248 Client ID:
Inject. Date: 04-Dec-2012 13:00:14 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015497-020
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 67207 Lims Sample ID: 20
Sublist: chrom-PCB4*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:04 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.824	1.824	0.000	28089536	1.57		100.0	
1	2	2.214	2.212	0.002	82906356	1.79	218.6- 268.6	295.2	
1	3	2.715	2.714	0.001	89936927	1.67	271.2- 321.2	320.2	
1	4	3.292	3.291	0.001	53432026	1.77	139.9- 189.9	190.2	
1	5	3.725	3.724	0.001	45951052	1.76	120.7- 170.7	163.6	
			Average of Peak Amounts =			1.71			
2	6	2.531	2.531	0.000	19890780	1.53		100.0	
2	7	2.981	2.981	0.000	57635001	1.68	227.5- 287.5	289.8	
2	8	3.731	3.730	0.001	55789929	1.66	223.8- 283.8	280.5	
2	9	4.004	4.003	0.001	55033342	1.67	218.9- 278.9	276.7	
2	10	4.727	4.726	0.001	34184063	1.67	126.8- 186.8	171.9	
			Average of Peak Amounts =			1.64			
						RPD = 4.24			

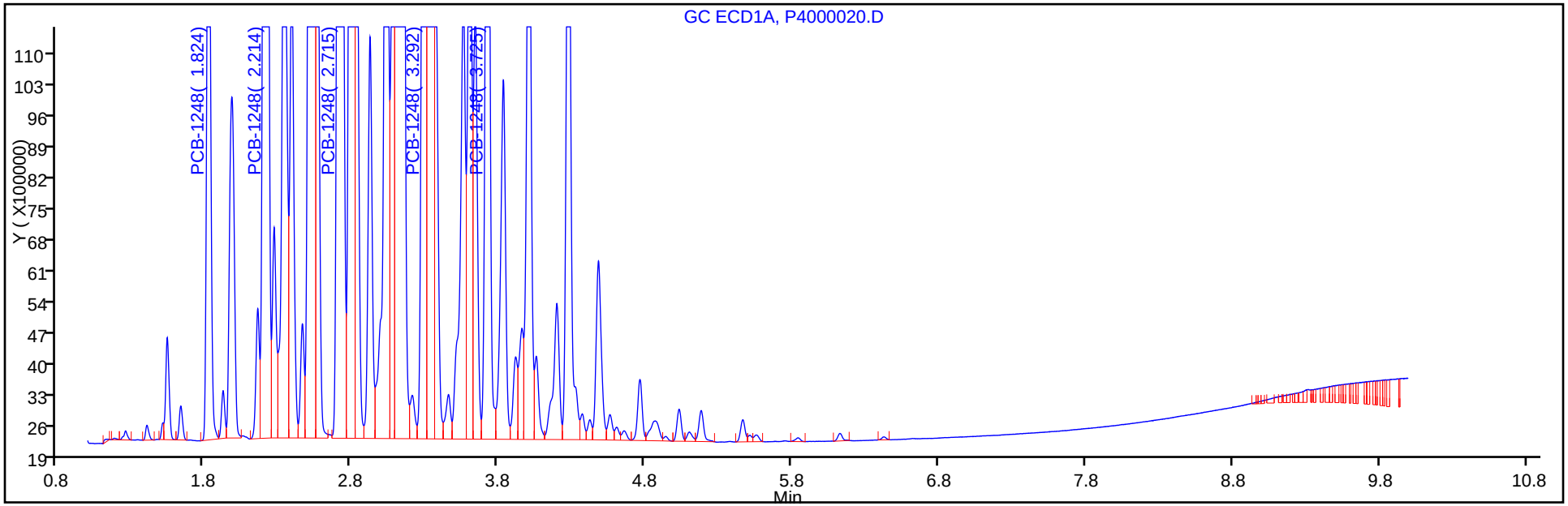
Report Date: 05-Dec-2012 06:34:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

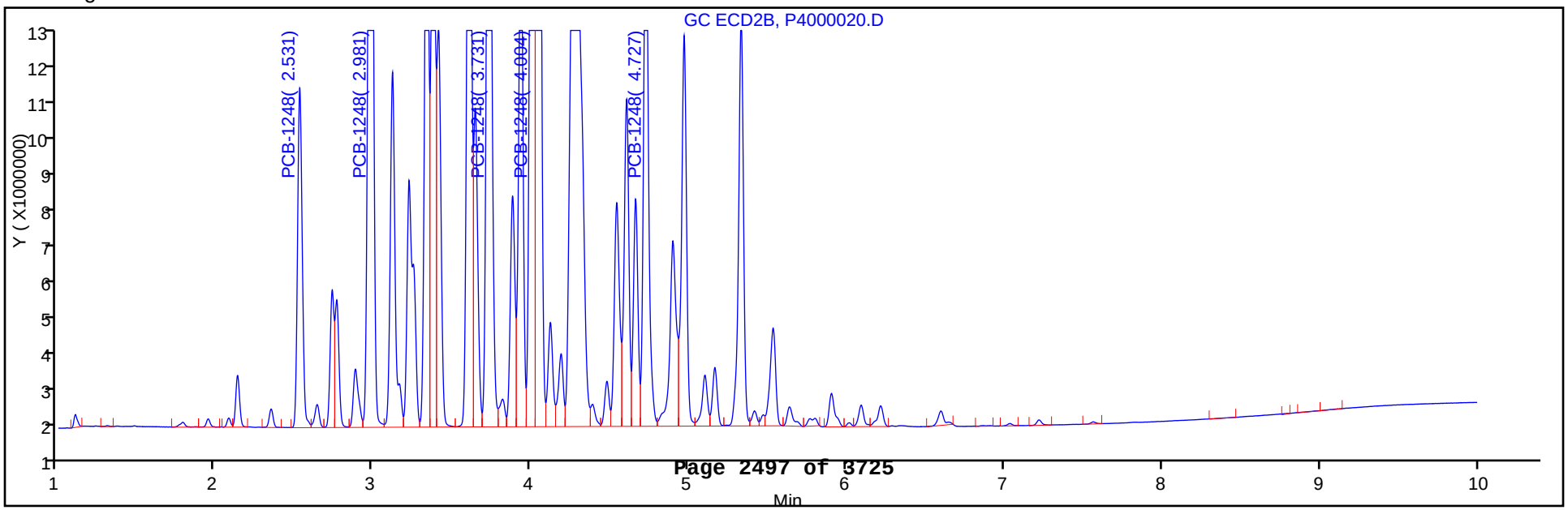
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000020.D

Injection Date:	04-Dec-2012 13:00:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 13:16 Calibration End Date: 12/04/2012 14:34 Calibration ID: 12586

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/21	P4000021.D
Level 2	STD01 240-67207/22	P4000022.D
Level 3	STD02 240-67207/23	P4000023.D
Level 4	STD05 240-67207/24	P4000024.D
Level 5	STD1 240-67207/25	P4000025.D
Level 6	STD2 240-67207/26	P4000026.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1221 Peak 1	1.404	1.403	1.403	1.403	1.404	1.403					1.304 - 1.504	1.403
PCB-1221 Peak 2	1.513	1.512	1.512	1.511	1.512	1.511					1.413 - 1.613	1.512
PCB-1221 Peak 3	1.541	1.541	1.542	1.541	1.542	1.541					1.441 - 1.641	1.541
PCB-1254 Peak 1	3.079	3.079	3.078	3.078	3.079	3.077					2.979 - 3.179	3.078
PCB-1254 Peak 2	3.726	3.725	3.725	3.725	3.725	3.725					3.626 - 3.826	3.725
PCB-1254 Peak 3	4.007	4.007	4.007	4.007	4.006	4.006					3.907 - 4.107	4.007
PCB-1254 Peak 4	4.198	4.198	4.198	4.198	4.198	4.197					4.098 - 4.298	4.198
PCB-1254 Peak 5	4.481	4.481	4.482	4.481	4.481	4.480					4.381 - 4.581	4.481

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 13:16 Calibration End Date: 12/04/2012 14:34 Calibration ID: 12586

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/21	P4000021.D
Level 2	STD01 240-67207/22	P4000022.D
Level 3	STD02 240-67207/23	P4000023.D
Level 4	STD05 240-67207/24	P4000024.D
Level 5	STD1 240-67207/25	P4000025.D
Level 6	STD2 240-67207/26	P4000026.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	16615240 11678491	13915530 11139216	13322195	12937244	Ave		13267986.0				15.0		20.0			
PCB-1221 Peak 2	9398900 5943991	7533600 6044523	6909520	6767870	Ave		7099734.00				18.0		20.0			
PCB-1221 Peak 3	41092440 29599940	35764380 27648328	33940840	31729662	Ave		33295931.6				14.0		20.0			
PCB-1254 Peak 1	47832580 37111493	43047820 35969567	41016935	38590494	Ave		40594814.8				11.0		20.0			
PCB-1254 Peak 2	85684740 73753211	77681980 71975879	77345525	77176228	Ave		77269593.8				6.1		20.0			
PCB-1254 Peak 3	64335520 56999689	61454670 56457771	62628990	62015652	Ave		60648715.3				5.3		20.0			
PCB-1254 Peak 4	59439940 48814551	53735160 47633062	53220225	51470160	Ave		52385516.3				8.0		20.0			
PCB-1254 Peak 5	89117960 75738359	80622000 74326894	79700760	78646142	Ave		79692019.2				6.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 13:16 Calibration End Date: 12/04/2012 14:34 Calibration ID: 12586

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/21	P4000021.D
Level 2	STD01 240-67207/22	P4000022.D
Level 3	STD02 240-67207/23	P4000023.D
Level 4	STD05 240-67207/24	P4000024.D
Level 5	STD1 240-67207/25	P4000025.D
Level 6	STD2 240-67207/26	P4000026.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	830762 22278432	1391553	2664439	6468622	11678491	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	Ave	469945 12089046	753360	1381904	3383935	5943991	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	Ave	2054622 55296655	3576438	6788168	15864831	29599940	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	Ave	2391629 71939134	4304782	8203387	19295247	37111493	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	Ave	4284237 143951758	7768198	15469105	38588114	73753211	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	Ave	3216776 112915541	6145467	12525798	31007826	56999689	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	Ave	2971997 95266124	5373516	10644045	25735080	48814551	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	Ave	4455898 148653788	8062200	15940152	39323071	75738359	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000021.D
Lims ID: STD005 AR2154 Client ID:
Inject. Date: 04-Dec-2012 13:16:07 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015497-021
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 67207 Lims Sample ID: 21
Sublist: chrom-PCB4*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:03 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.404	1.404	0.000	830762	0.0626		100.0	
1	3	1.513	1.513	0.000	469945	0.0662	26.9- 76.9	56.6	
1	4	1.541	1.541	0.000	2054622	0.0617	229.8- 279.8	247.3	
			Average of Peak Amounts =			0.0635			
2	4	1.951	1.951	0.000	565076	0.0611		100.0	
2	5	2.080	2.080	0.000	376512	0.0605	38.8- 98.8	66.6	
2	6	2.137	2.137	0.000	1334981	0.0608	209.6- 269.6	236.2	
			Average of Peak Amounts =			0.0608			
						RPD = 4.37			
8 PCB-1254									
1	100	3.079	3.079	0.000	2391629	0.0589		100.0	
1	2	3.726	3.726	0.000	4284237	0.0554	163.6- 213.6	179.1	
1	3	4.007	4.007	0.000	3216776	0.0530	127.7- 177.7	134.5	
1	4	4.198	4.198	0.000	2971997	0.0567	104.8- 154.8	124.3	
1	5	4.481	4.481	0.000	4455898	0.0559	169.3- 219.3	186.3	
			Average of Peak Amounts =			0.0560			
2	6	4.251	4.251	0.000	2205130	0.0576		100.0	
2	7	4.726	4.726	0.000	3294156	0.0553	126.1- 186.1	149.4	
2	8	4.970	4.970	0.000	2322361	0.0547	82.5- 142.5	105.3	
2	9	5.331	5.331	0.000	2803650	0.0583	94.9- 154.9	127.1	
2	10	5.535	5.535	0.000	3187065	0.0557	120.0- 180.0	144.5	
			Average of Peak Amounts =			0.0563			
						RPD = 0.53			

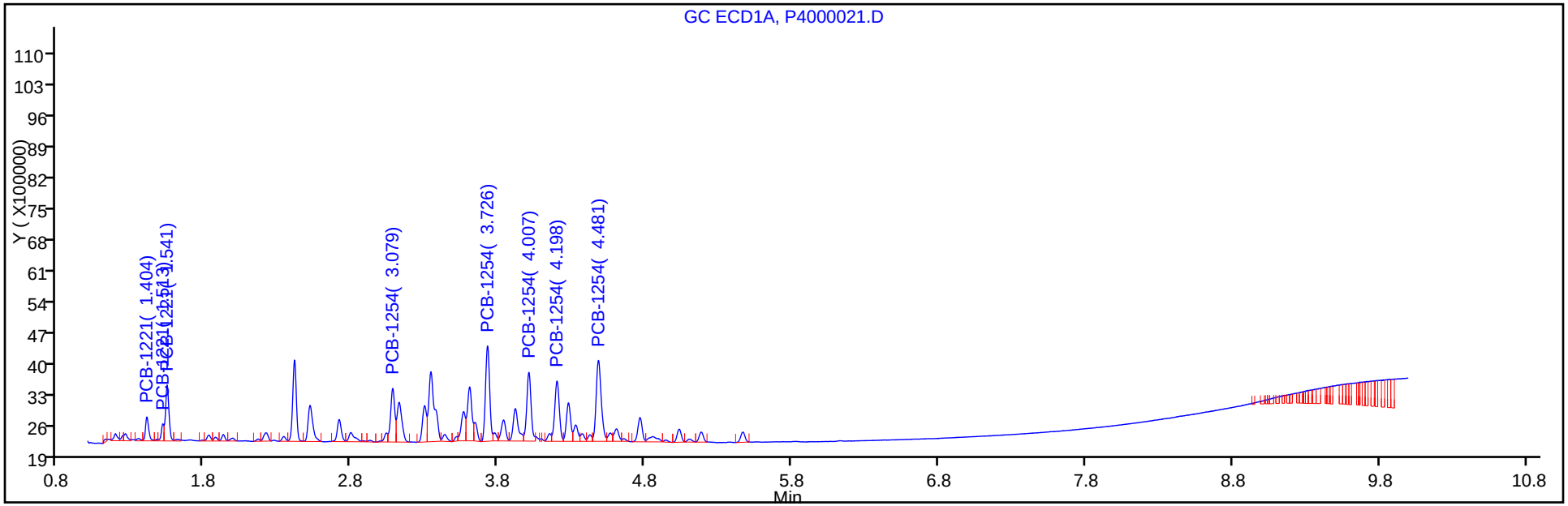
Report Date: 05-Dec-2012 06:34:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

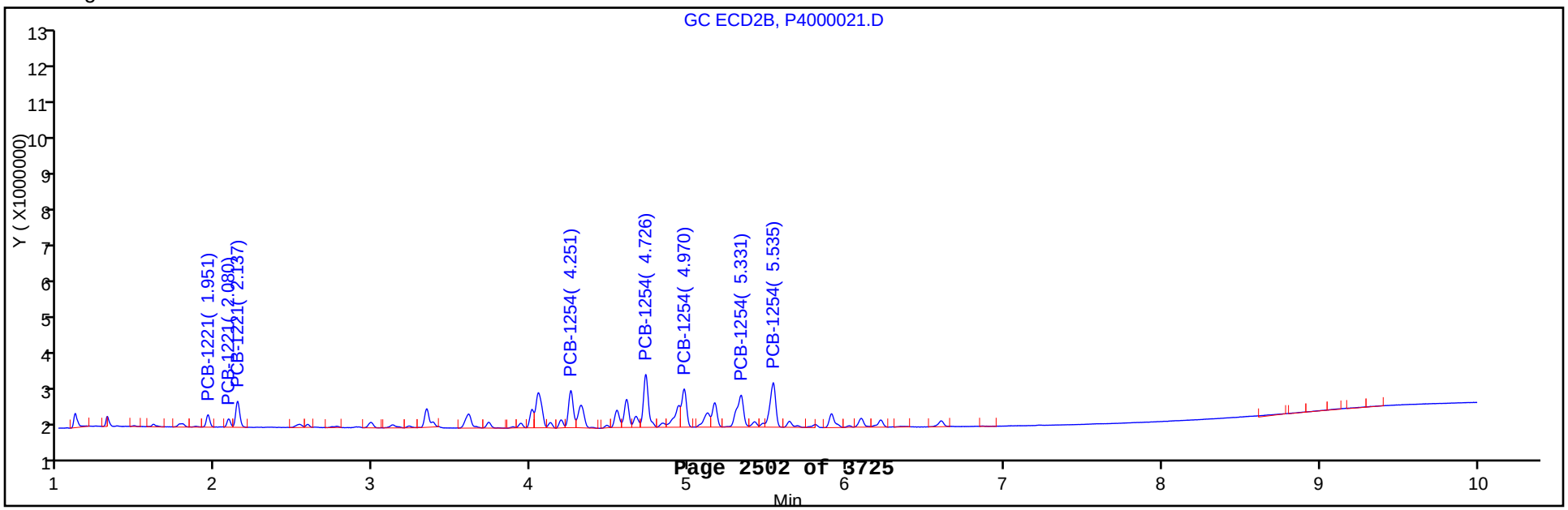
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000021.D

Injection Date:	04-Dec-2012 13:16:07	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000022.D
Lims ID: STD01 AR2154 Client ID:
Inject. Date: 04-Dec-2012 13:31:49 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015497-022
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 67207 Lims Sample ID: 22
Sublist: chrom-PCB4*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:01 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.403	1.404	-0.001	1391553	0.1049		100.0	
1	3	1.512	1.513	-0.001	753360	0.1061	26.9- 76.9	54.1	
1	4	1.541	1.541	0.000	3576438	0.1074	229.8- 279.8	257.0	
			Average of Peak Amounts =			0.1061			
2	4	1.950	1.951	-0.001	1002027	0.1084		100.0	
2	5	2.081	2.080	0.001	691771	0.1111	38.8- 98.8	69.0	
2	6	2.137	2.137	0.000	2389934	0.1088	209.6- 269.6	238.5	
			Average of Peak Amounts =			0.1094			
						RPD = 3.05			
8 PCB-1254									
1	100	3.079	3.079	0.000	4304782	0.1060		100.0	
1	2	3.725	3.726	-0.001	7768198	0.1005	163.6- 213.6	180.5	
1	3	4.007	4.007	0.000	6145467	0.1013	127.7- 177.7	142.8	
1	4	4.198	4.198	0.000	5373516	0.1026	104.8- 154.8	124.8	
1	5	4.481	4.481	0.000	8062200	0.1012	169.3- 219.3	187.3	
			Average of Peak Amounts =			0.1023			
2	6	4.251	4.251	0.000	4098689	0.1070		100.0	
2	7	4.726	4.726	0.000	6230726	0.1045	126.1- 186.1	152.0	
2	8	4.970	4.970	0.000	4402725	0.1037	82.5- 142.5	107.4	
2	9	5.331	5.331	0.000	5082245	0.1056	94.9- 154.9	124.0	
2	10	5.533	5.535	-0.002	5951692	0.1040	120.0- 180.0	145.2	
			Average of Peak Amounts =			0.1050			
						RPD = 2.56			

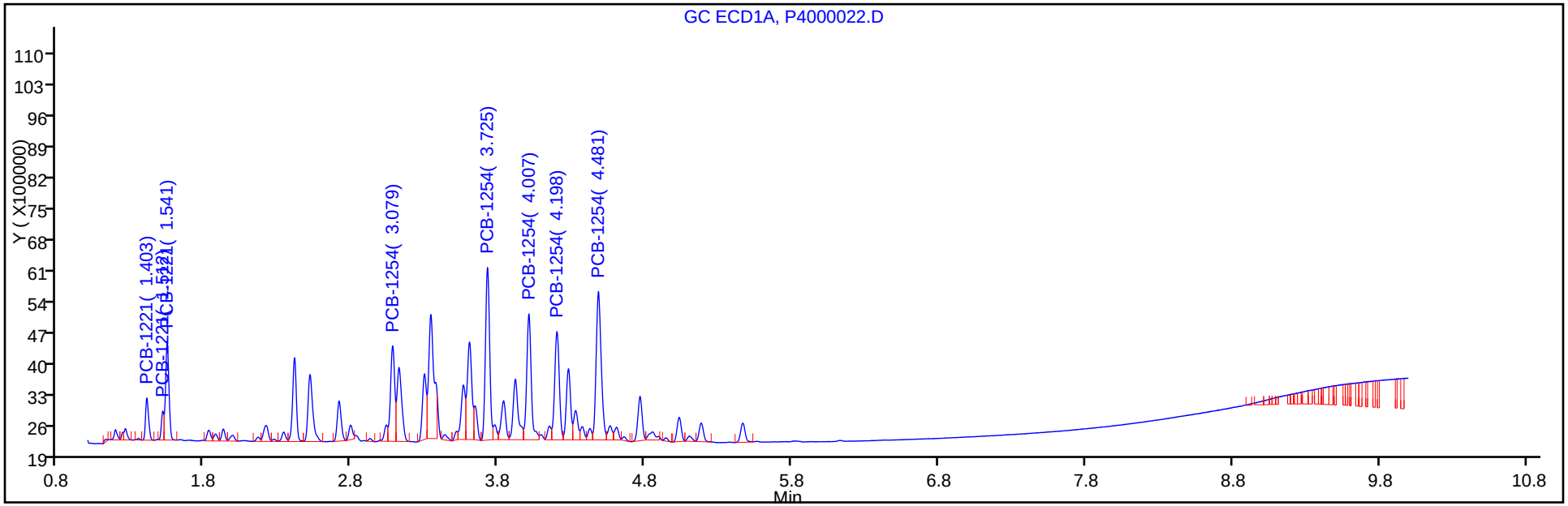
Report Date: 05-Dec-2012 06:34:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

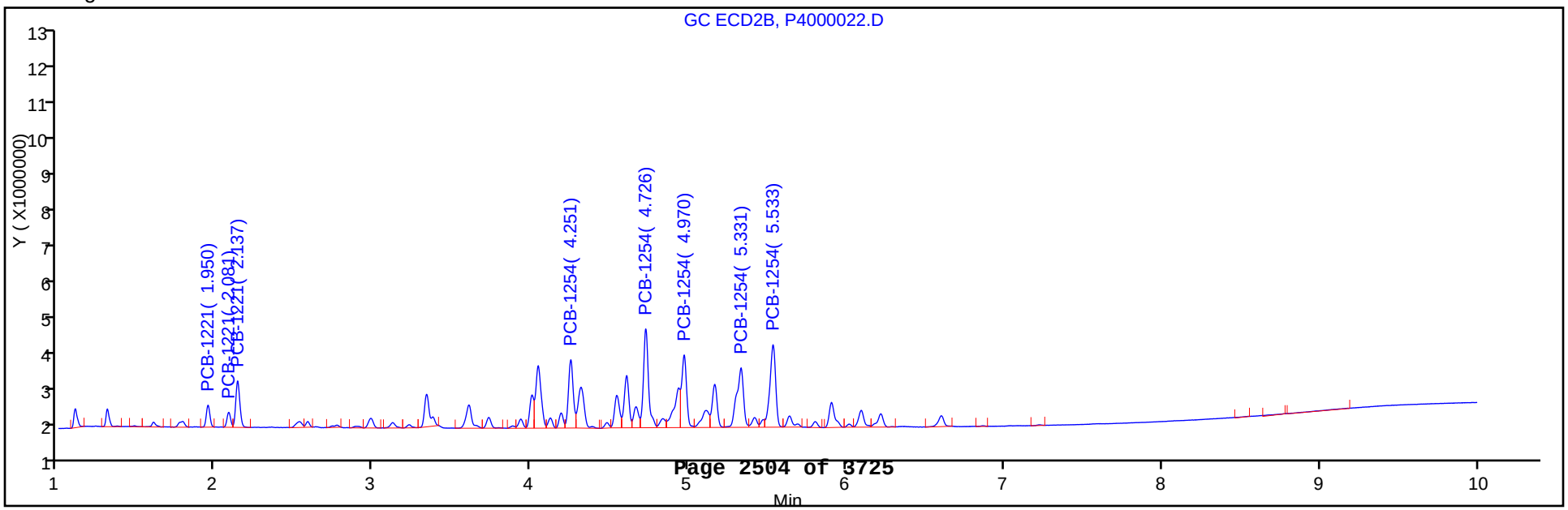
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000022.D

Injection Date:	04-Dec-2012 13:31:49	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000023.D
Lims ID: STD02 AR2154 Client ID:
Inject. Date: 04-Dec-2012 13:47:33 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015497-023
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 67207 Lims Sample ID: 23
Sublist: chrom-PCB4*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:59 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.403	1.404	-0.001	2664439	0.2008		100.0	
1	3	1.512	1.513	-0.001	1381904	0.1946	26.9- 76.9	51.9	
1	4	1.542	1.541	0.001	6788168	0.2039	229.8- 279.8	254.8	
			Average of Peak Amounts =			0.1998			
2	4	1.950	1.951	-0.001	1878475	0.2033		100.0	
2	5	2.081	2.080	0.001	1292956	0.2076	38.8- 98.8	68.8	
2	6	2.138	2.137	0.001	4500525	0.2049	209.6- 269.6	239.6	
			Average of Peak Amounts =			0.2052			
						RPD = 2.70			
8 PCB-1254									
1	100	3.078	3.079	-0.001	8203387	0.2021		100.0	
1	2	3.725	3.726	-0.001	15469105	0.2002	163.6- 213.6	188.6	
1	3	4.007	4.007	0.000	12525798	0.2065	127.7- 177.7	152.7	
1	4	4.198	4.198	0.000	10644045	0.2032	104.8- 154.8	129.8	
1	5	4.482	4.481	0.001	15940152	0.2000	169.3- 219.3	194.3	
			Average of Peak Amounts =			0.2024			
2	6	4.250	4.251	-0.001	7655955	0.2000		100.0	
2	7	4.727	4.726	0.001	11948512	0.2005	126.1- 186.1	156.1	
2	8	4.970	4.970	0.000	8612649	0.2029	82.5- 142.5	112.5	
2	9	5.330	5.331	-0.001	9560072	0.1987	94.9- 154.9	124.9	
2	10	5.533	5.535	-0.002	11480425	0.2006	120.0- 180.0	150.0	
			Average of Peak Amounts =			0.2005			
						RPD = 0.94			

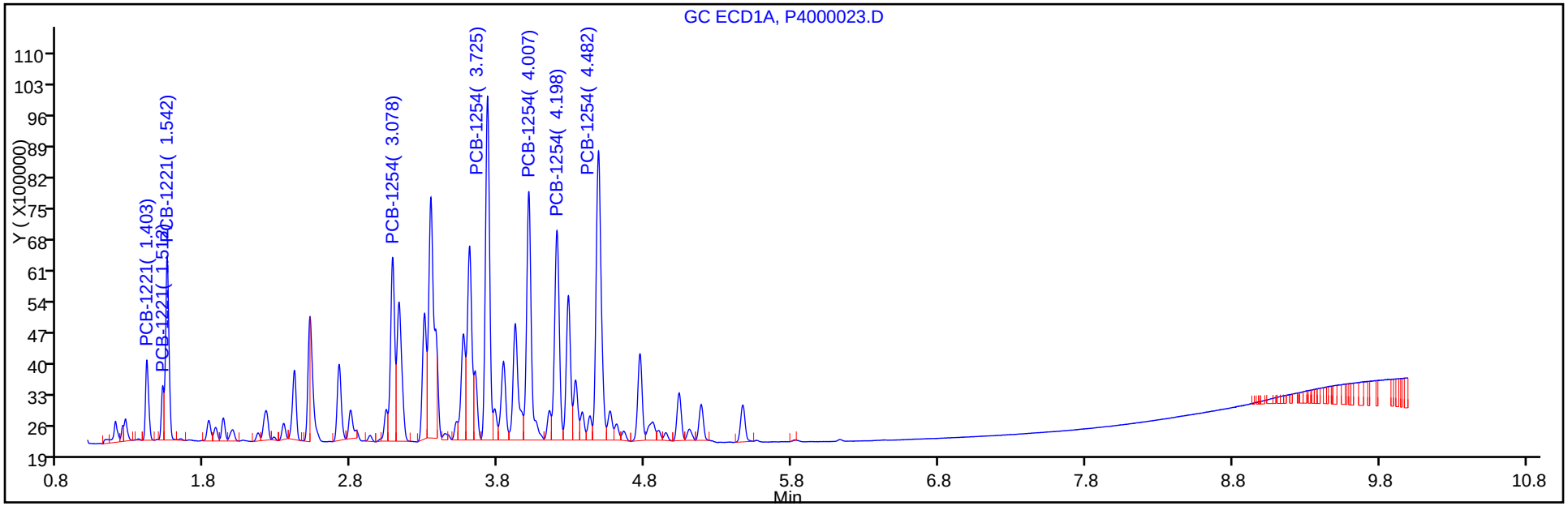
Report Date: 05-Dec-2012 06:34:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

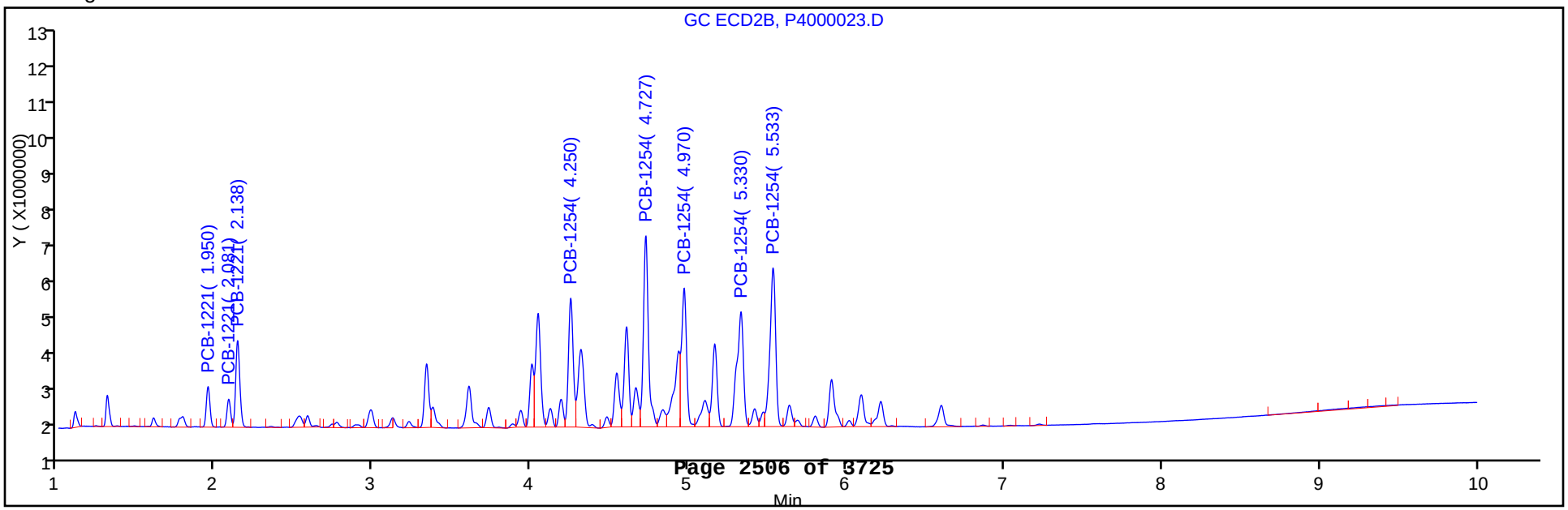
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000023.D

Injection Date:	04-Dec-2012 13:47:33	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000024.D
Lims ID: STD05 AR2154 Client ID:
Inject. Date: 04-Dec-2012 14:03:17 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015497-024
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 67207 Lims Sample ID: 24
Sublist: chrom-PCB4*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:58 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.403	1.404	-0.001	6468622	0.4875		100.0	
1	3	1.511	1.513	-0.002	3383935	0.4766	26.9- 76.9	52.3	
1	4	1.541	1.541	0.000	15864831	0.4765	229.8- 279.8	245.3	
			Average of Peak Amounts =			0.4802			
2	4	1.949	1.951	-0.002	4527401	0.4899		100.0	
2	5	2.080	2.080	0.000	3020052	0.4849	38.8- 98.8	66.7	
2	6	2.136	2.137	-0.001	10542695	0.4799	209.6- 269.6	232.9	
			Average of Peak Amounts =			0.4849			
						RPD = 0.97			
8 PCB-1254									
1	100	3.078	3.079	-0.001	19295247	0.4753		100.0	
1	2	3.725	3.726	-0.001	38588114	0.4994	163.6- 213.6	200.0	
1	3	4.007	4.007	0.000	31007826	0.5113	127.7- 177.7	160.7	
1	4	4.198	4.198	0.000	25735080	0.4913	104.8- 154.8	133.4	
1	5	4.481	4.481	0.000	39323071	0.4934	169.3- 219.3	203.8	
			Average of Peak Amounts =			0.4941			
2	6	4.251	4.251	0.000	18392512	0.4804		100.0	
2	7	4.726	4.726	0.000	29175441	0.4895	126.1- 186.1	158.6	
2	8	4.970	4.970	0.000	20754032	0.4889	82.5- 142.5	112.8	
2	9	5.331	5.331	0.000	23006134	0.4781	94.9- 154.9	125.1	
2	10	5.533	5.535	-0.002	27828063	0.4862	120.0- 180.0	151.3	
			Average of Peak Amounts =			0.4846			
						RPD = 1.94			

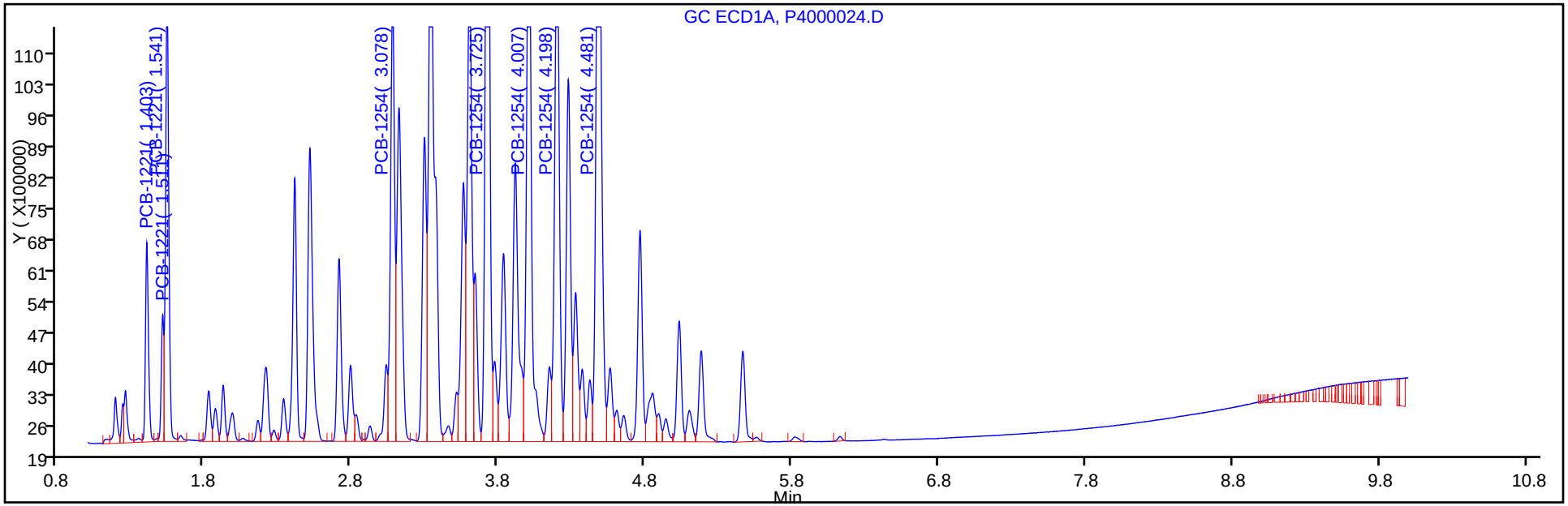
Report Date: 05-Dec-2012 06:33:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

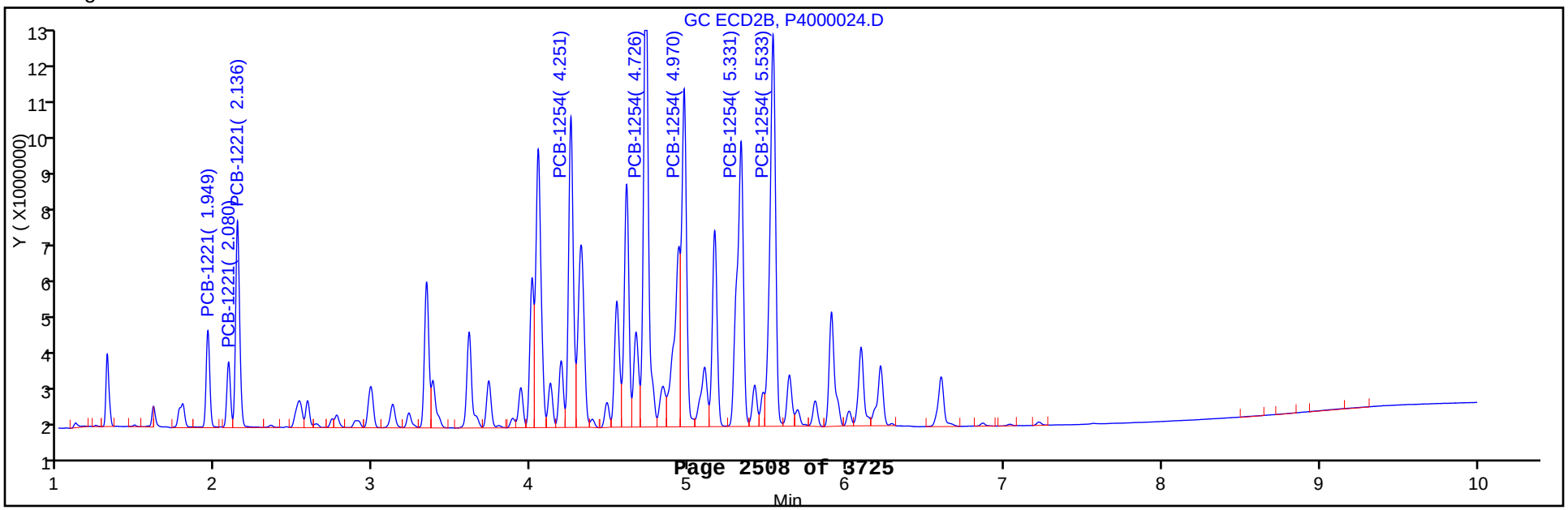
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000024.D

Injection Date:	04-Dec-2012 14:03:17	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000025.D
Lims ID: STD1 AR2154 Client ID:
Inject. Date: 04-Dec-2012 14:19:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015497-025
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 67207 Lims Sample ID: 25
Sublist: chrom-PCB4*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:57 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.404	1.404	0.000	11678491	0.8802		100.0	
1	3	1.512	1.513	-0.001	5943991	0.8372	26.9- 76.9	50.9	
1	4	1.542	1.541	0.001	29599940	0.8890	229.8- 279.8	253.5	
			Average of Peak Amounts =			0.8688			
2	4	1.950	1.951	-0.001	8045662	0.8706		100.0	
2	5	2.080	2.080	0.000	5386110	0.8648	38.8- 98.8	66.9	
2	6	2.137	2.137	0.000	19250099	0.8762	209.6- 269.6	239.3	
			Average of Peak Amounts =			0.8705			
						RPD = 0.20			
8 PCB-1254									
1	100	3.079	3.079	0.000	37111493	0.9142		100.0	
1	2	3.725	3.726	-0.001	73753211	0.9545	163.6- 213.6	198.7	
1	3	4.006	4.007	-0.001	56999689	0.9398	127.7- 177.7	153.6	
1	4	4.198	4.198	0.000	48814551	0.9318	104.8- 154.8	131.5	
1	5	4.481	4.481	0.000	75738359	0.9504	169.3- 219.3	204.1	
			Average of Peak Amounts =			0.9381			
2	6	4.250	4.251	-0.001	35223941	0.9200		100.0	
2	7	4.726	4.726	0.000	56140440	0.9419	126.1- 186.1	159.4	
2	8	4.969	4.970	-0.001	40308263	0.9496	82.5- 142.5	114.4	
2	9	5.330	5.331	-0.001	44231974	0.9193	94.9- 154.9	125.6	
2	10	5.534	5.535	-0.001	53939397	0.9424	120.0- 180.0	153.1	
			Average of Peak Amounts =			0.9346			
						RPD = 0.38			

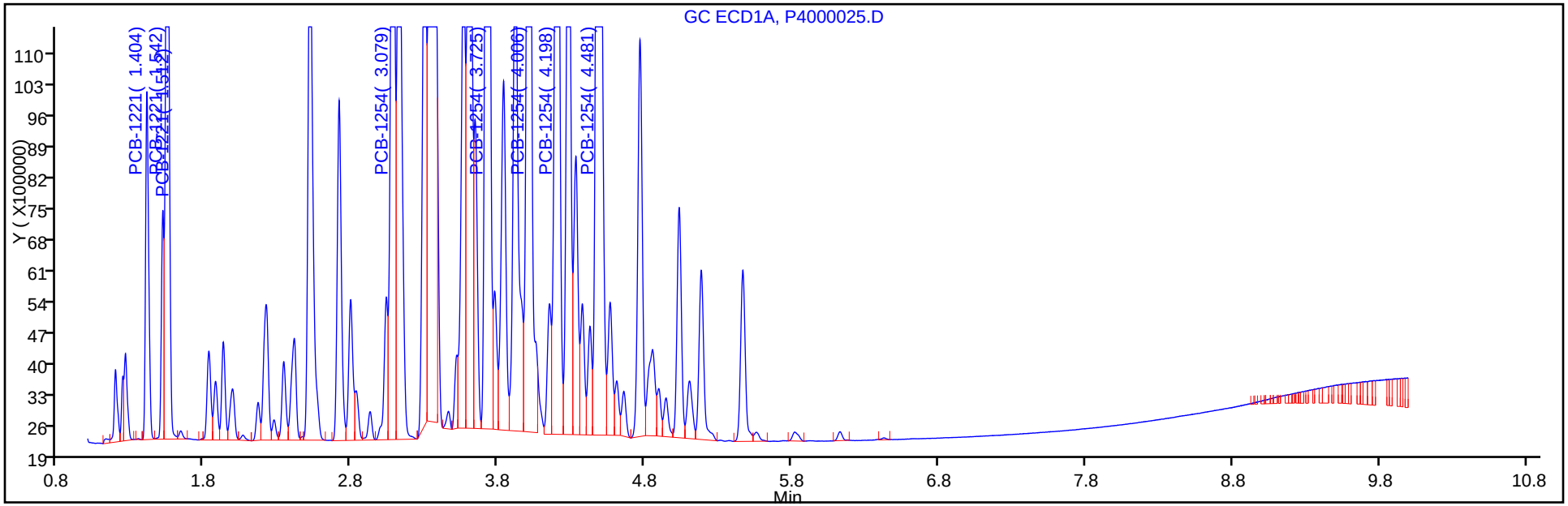
Report Date: 05-Dec-2012 06:33:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

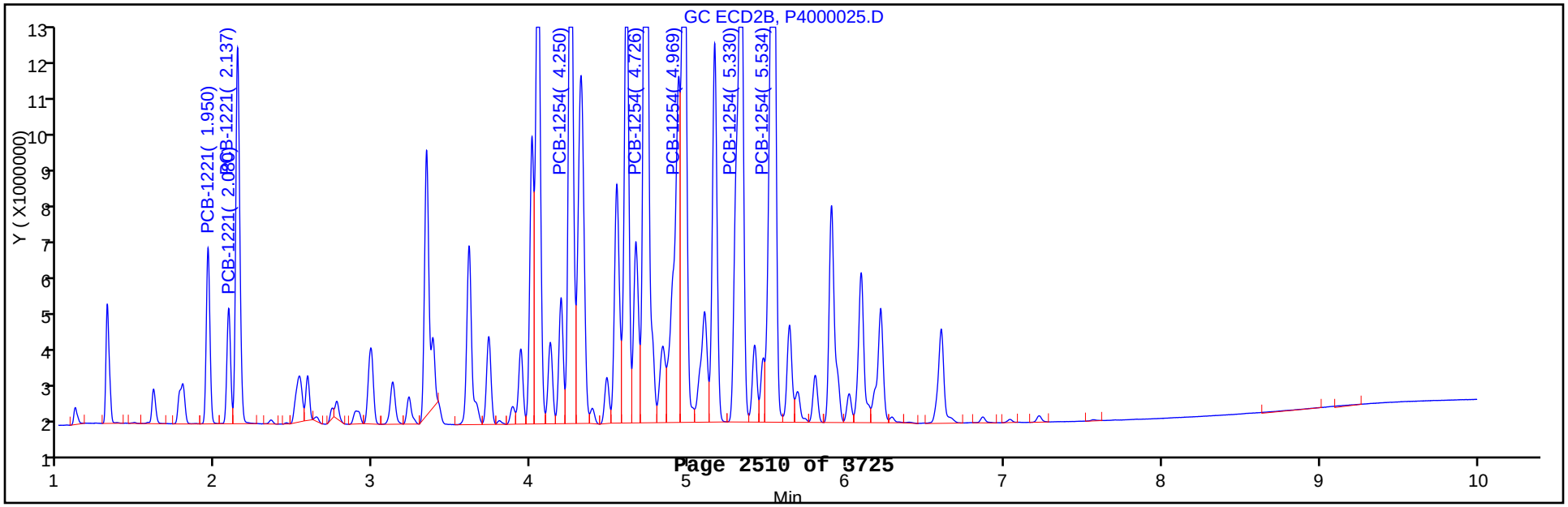
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000025.D

Injection Date:	04-Dec-2012 14:19:09	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000026.D
Lims ID: STD2 AR2154 Client ID:
Inject. Date: 04-Dec-2012 14:34:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015497-026
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 67207 Lims Sample ID: 26
Sublist: chrom-PCB4*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:55 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.403	1.404	-0.001	22278432	1.68		100.0	
1	3	1.511	1.513	-0.002	12089046	1.70	26.9- 76.9	54.3	
1	4	1.541	1.541	0.000	55296655	1.66	229.8- 279.8	248.2	
			Average of Peak Amounts =			1.68			
2	4	1.949	1.951	-0.002	15274417	1.65		100.0	
2	5	2.080	2.080	0.000	10058836	1.62	38.8- 98.8	65.9	
2	6	2.136	2.137	-0.001	36755916	1.67	209.6- 269.6	240.6	
			Average of Peak Amounts =			1.65			
						RPD = 2.04			
8 PCB-1254									
1	100	3.077	3.079	-0.002	71939134	1.77		100.0	
1	2	3.725	3.726	-0.001	143951758	1.86	163.6- 213.6	200.1	
1	3	4.006	4.007	-0.001	112915541	1.86	127.7- 177.7	157.0	
1	4	4.197	4.198	-0.001	95266124	1.82	104.8- 154.8	132.4	
1	5	4.480	4.481	-0.001	148653788	1.87	169.3- 219.3	206.6	
			Average of Peak Amounts =			1.84			
2	6	4.251	4.251	0.000	68696012	1.79		100.0	
2	7	4.726	4.726	0.000	110402862	1.85	126.1- 186.1	160.7	
2	8	4.969	4.970	-0.001	78657595	1.85	82.5- 142.5	114.5	
2	9	5.330	5.331	-0.001	87513253	1.82	94.9- 154.9	127.4	
2	10	5.534	5.535	-0.001	106320527	1.86	120.0- 180.0	154.8	
			Average of Peak Amounts =			1.84			
						RPD = 0.05			

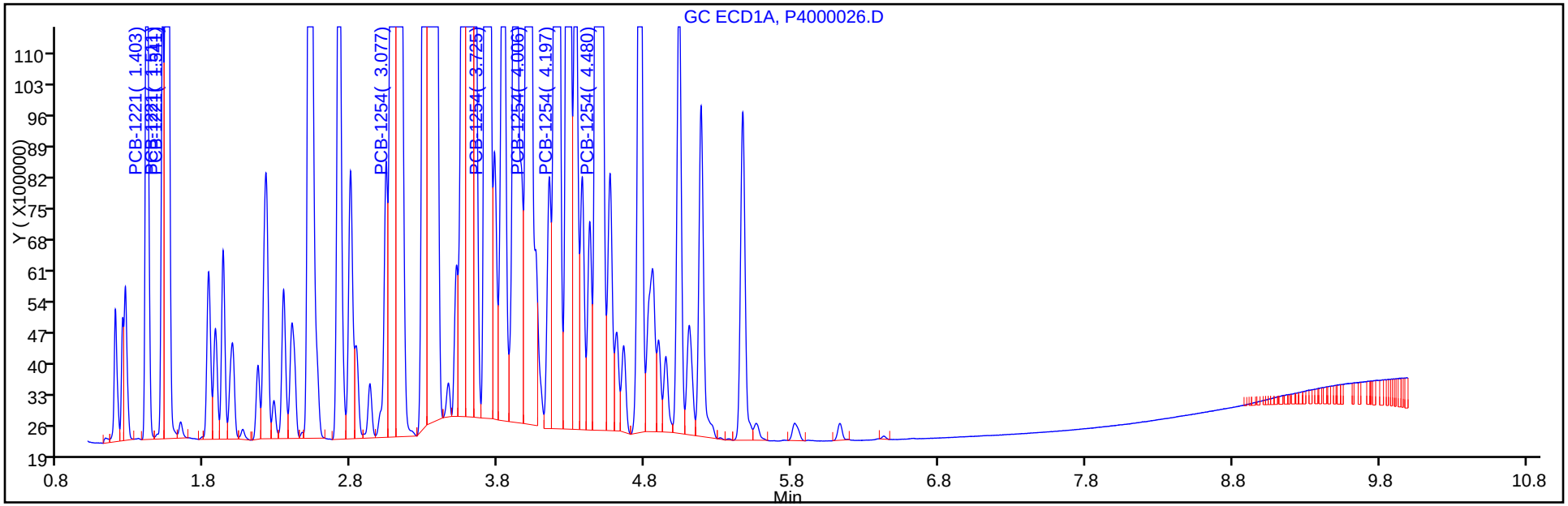
Report Date: 05-Dec-2012 06:33:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

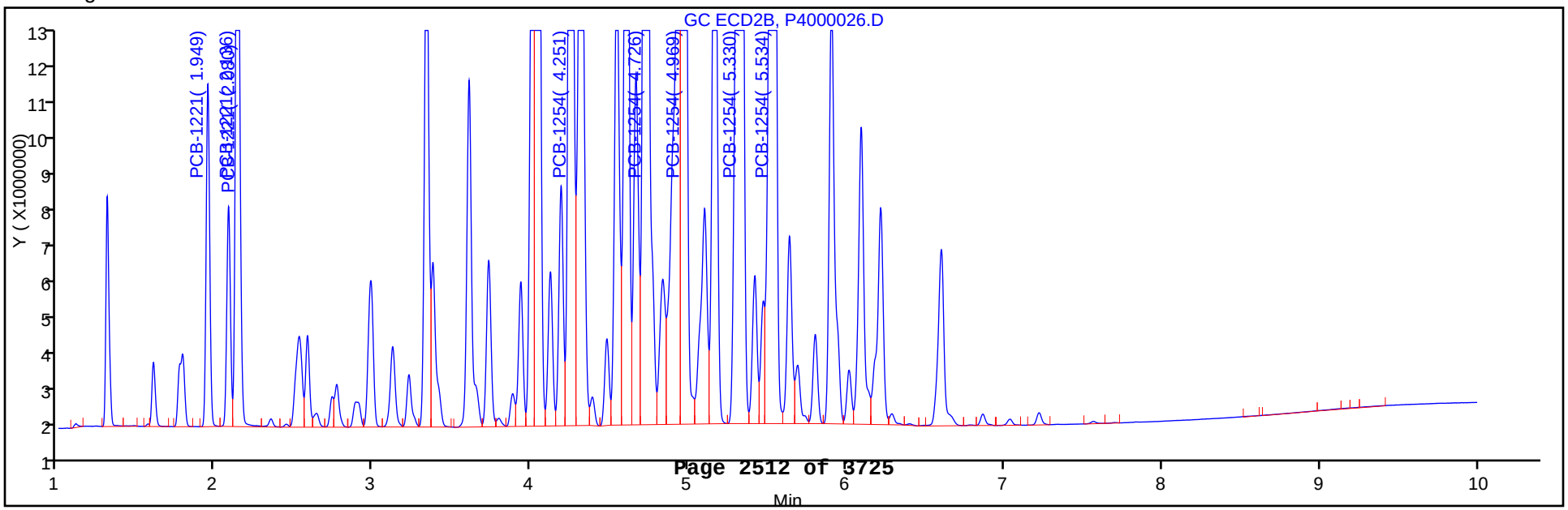
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000026.D

Injection Date:	04-Dec-2012 14:34:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 13:16 Calibration End Date: 12/04/2012 14:34 Calibration ID: 12587

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/21	P4000021.D
Level 2	STD01 240-67207/22	P4000022.D
Level 3	STD02 240-67207/23	P4000023.D
Level 4	STD05 240-67207/24	P4000024.D
Level 5	STD1 240-67207/25	P4000025.D
Level 6	STD2 240-67207/26	P4000026.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1221 Peak 1	1.951	1.950	1.950	1.949	1.950	1.949					1.851 - 2.051	1.950
PCB-1221 Peak 2	2.080	2.081	2.081	2.080	2.080	2.080					1.980 - 2.180	2.080
PCB-1221 Peak 3	2.137	2.137	2.138	2.136	2.137	2.136					2.037 - 2.237	2.137
PCB-1254 Peak 1	4.251	4.251	4.250	4.251	4.250	4.251					4.151 - 4.351	4.251
PCB-1254 Peak 2	4.726	4.726	4.727	4.726	4.726	4.726					4.626 - 4.826	4.726
PCB-1254 Peak 3	4.970	4.970	4.970	4.970	4.969	4.969					4.870 - 5.070	4.970
PCB-1254 Peak 4	5.331	5.331	5.330	5.331	5.330	5.330					5.231 - 5.431	5.331
PCB-1254 Peak 5	5.535	5.533	5.533	5.533	5.534	5.534					5.435 - 5.635	5.534

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 13:16 Calibration End Date: 12/04/2012 14:34 Calibration ID: 12587

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/21	P4000021.D
Level 2	STD01 240-67207/22	P4000022.D
Level 3	STD02 240-67207/23	P4000023.D
Level 4	STD05 240-67207/24	P4000024.D
Level 5	STD1 240-67207/25	P4000025.D
Level 6	STD2 240-67207/26	P4000026.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	11301520 8045662	10020270 7637209	9392375	9054802	Ave		9241972.92				14.0		20.0			
PCB-1221 Peak 2	7530240 5386110	6917710 5029418	6464780	6040104	Ave		6228060.33				15.0		20.0			
PCB-1221 Peak 3	26699620 19250099	23899340 18377958	22502625	21085390	Ave		21969172.0				14.0		20.0			
PCB-1254 Peak 1	44102600 35223941	40986890 34348006	38279775	36785024	Ave		38287706.0				9.7		20.0			
PCB-1254 Peak 2	65883120 56140440	62307260 55201431	59742560	58350882	Ave		59604282.2				6.7		20.0			
PCB-1254 Peak 3	46447220 40308263	44027250 39328798	43063245	41508064	Ave		42447139.9				6.1		20.0			
PCB-1254 Peak 4	56073000 44231974	50822450 43756627	47800360	46012268	Ave		48116113.1				9.7		20.0			
PCB-1254 Peak 5	63741300 53939397	59516920 53160264	57402125	55656126	Ave		57236021.9				6.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 13:16 Calibration End Date: 12/04/2012 14:34 Calibration ID: 12587

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/21	P4000021.D
Level 2	STD01 240-67207/22	P4000022.D
Level 3	STD02 240-67207/23	P4000023.D
Level 4	STD05 240-67207/24	P4000024.D
Level 5	STD1 240-67207/25	P4000025.D
Level 6	STD2 240-67207/26	P4000026.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	565076 15274417	1002027	1878475	4527401	8045662	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	Ave	376512 10058836	691771	1292956	3020052	5386110	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	Ave	1334981 36755916	2389934	4500525	10542695	19250099	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	Ave	2205130 68696012	4098689	7655955	18392512	35223941	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	Ave	3294156 110402862	6230726	11948512	29175441	56140440	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	Ave	2322361 78657595	4402725	8612649	20754032	40308263	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	Ave	2803650 87513253	5082245	9560072	23006134	44231974	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	Ave	3187065 106320527	5951692	11480425	27828063	53939397	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000021.D
Lims ID: STD005 AR2154 Client ID:
Inject. Date: 04-Dec-2012 13:16:07 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015497-021
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 67207 Lims Sample ID: 21
Sublist: chrom-PCB4*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:03 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.404	1.404	0.000	830762	0.0626		100.0	
1	3	1.513	1.513	0.000	469945	0.0662	26.9- 76.9	56.6	
1	4	1.541	1.541	0.000	2054622	0.0617	229.8- 279.8	247.3	
			Average of Peak Amounts =			0.0635			
2	4	1.951	1.951	0.000	565076	0.0611		100.0	
2	5	2.080	2.080	0.000	376512	0.0605	38.8- 98.8	66.6	
2	6	2.137	2.137	0.000	1334981	0.0608	209.6- 269.6	236.2	
			Average of Peak Amounts =			0.0608			
						RPD = 4.37			
8 PCB-1254									
1	100	3.079	3.079	0.000	2391629	0.0589		100.0	
1	2	3.726	3.726	0.000	4284237	0.0554	163.6- 213.6	179.1	
1	3	4.007	4.007	0.000	3216776	0.0530	127.7- 177.7	134.5	
1	4	4.198	4.198	0.000	2971997	0.0567	104.8- 154.8	124.3	
1	5	4.481	4.481	0.000	4455898	0.0559	169.3- 219.3	186.3	
			Average of Peak Amounts =			0.0560			
2	6	4.251	4.251	0.000	2205130	0.0576		100.0	
2	7	4.726	4.726	0.000	3294156	0.0553	126.1- 186.1	149.4	
2	8	4.970	4.970	0.000	2322361	0.0547	82.5- 142.5	105.3	
2	9	5.331	5.331	0.000	2803650	0.0583	94.9- 154.9	127.1	
2	10	5.535	5.535	0.000	3187065	0.0557	120.0- 180.0	144.5	
			Average of Peak Amounts =			0.0563			
						RPD = 0.53			

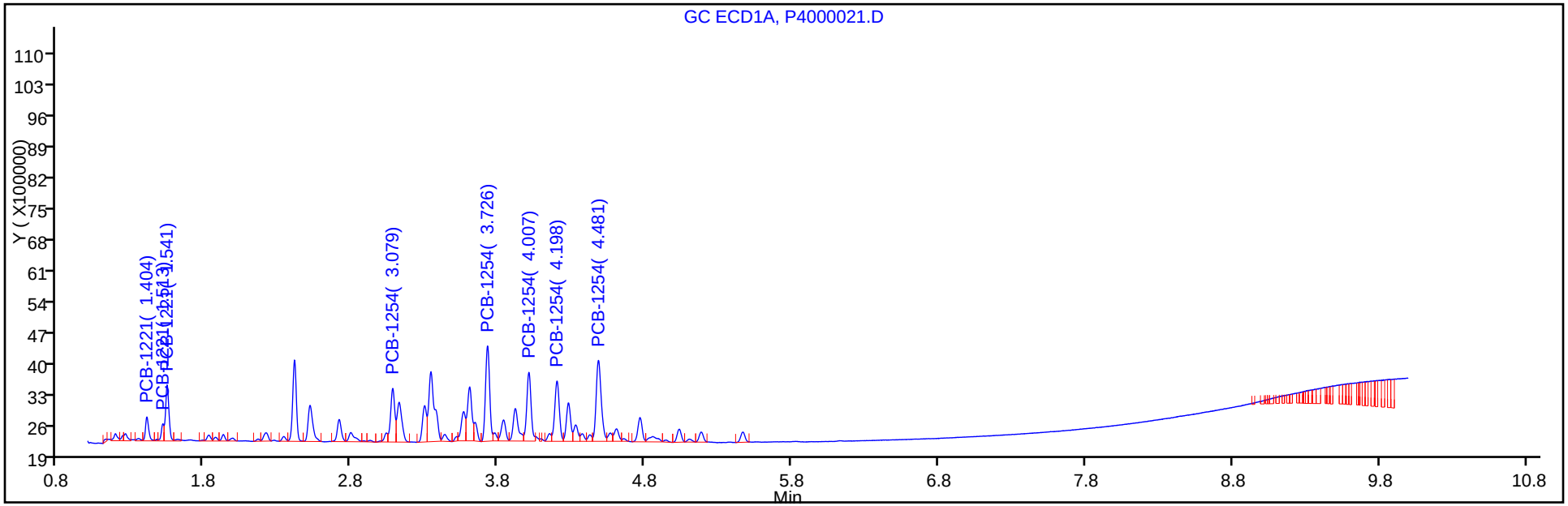
Report Date: 05-Dec-2012 06:34:04 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

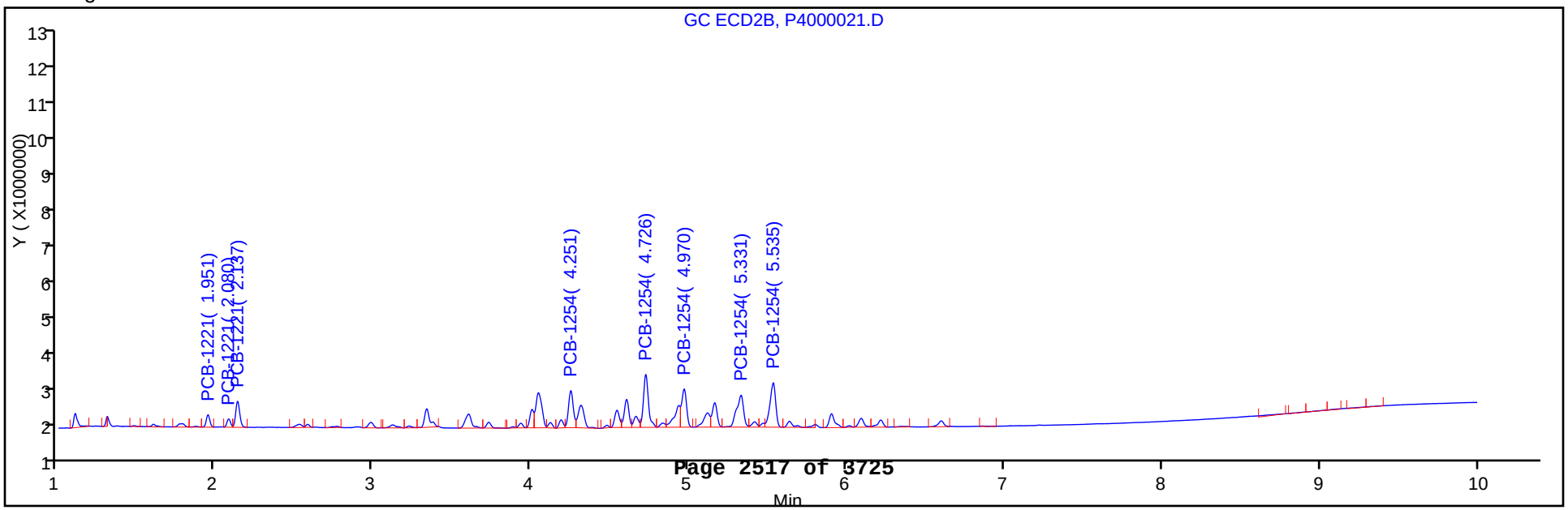
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000021.D

Injection Date:	04-Dec-2012 13:16:07	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000022.D
Lims ID: STD01 AR2154 Client ID:
Inject. Date: 04-Dec-2012 13:31:49 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015497-022
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 67207 Lims Sample ID: 22
Sublist: chrom-PCB4*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:34:01 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.403	1.404	-0.001	1391553	0.1049		100.0	
1	3	1.512	1.513	-0.001	753360	0.1061	26.9- 76.9	54.1	
1	4	1.541	1.541	0.000	3576438	0.1074	229.8- 279.8	257.0	
			Average of Peak Amounts =			0.1061			
2	4	1.950	1.951	-0.001	1002027	0.1084		100.0	
2	5	2.081	2.080	0.001	691771	0.1111	38.8- 98.8	69.0	
2	6	2.137	2.137	0.000	2389934	0.1088	209.6- 269.6	238.5	
			Average of Peak Amounts =			0.1094			
						RPD = 3.05			
8 PCB-1254									
1	100	3.079	3.079	0.000	4304782	0.1060		100.0	
1	2	3.725	3.726	-0.001	7768198	0.1005	163.6- 213.6	180.5	
1	3	4.007	4.007	0.000	6145467	0.1013	127.7- 177.7	142.8	
1	4	4.198	4.198	0.000	5373516	0.1026	104.8- 154.8	124.8	
1	5	4.481	4.481	0.000	8062200	0.1012	169.3- 219.3	187.3	
			Average of Peak Amounts =			0.1023			
2	6	4.251	4.251	0.000	4098689	0.1070		100.0	
2	7	4.726	4.726	0.000	6230726	0.1045	126.1- 186.1	152.0	
2	8	4.970	4.970	0.000	4402725	0.1037	82.5- 142.5	107.4	
2	9	5.331	5.331	0.000	5082245	0.1056	94.9- 154.9	124.0	
2	10	5.533	5.535	-0.002	5951692	0.1040	120.0- 180.0	145.2	
			Average of Peak Amounts =			0.1050			
						RPD = 2.56			

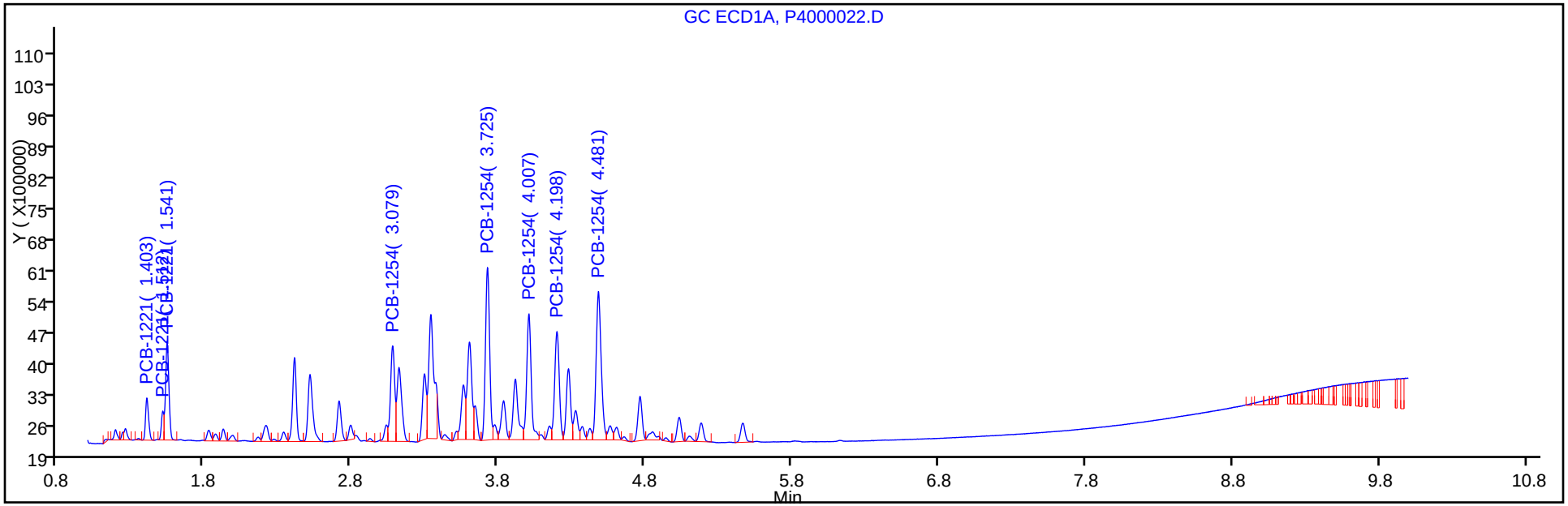
Report Date: 05-Dec-2012 06:34:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

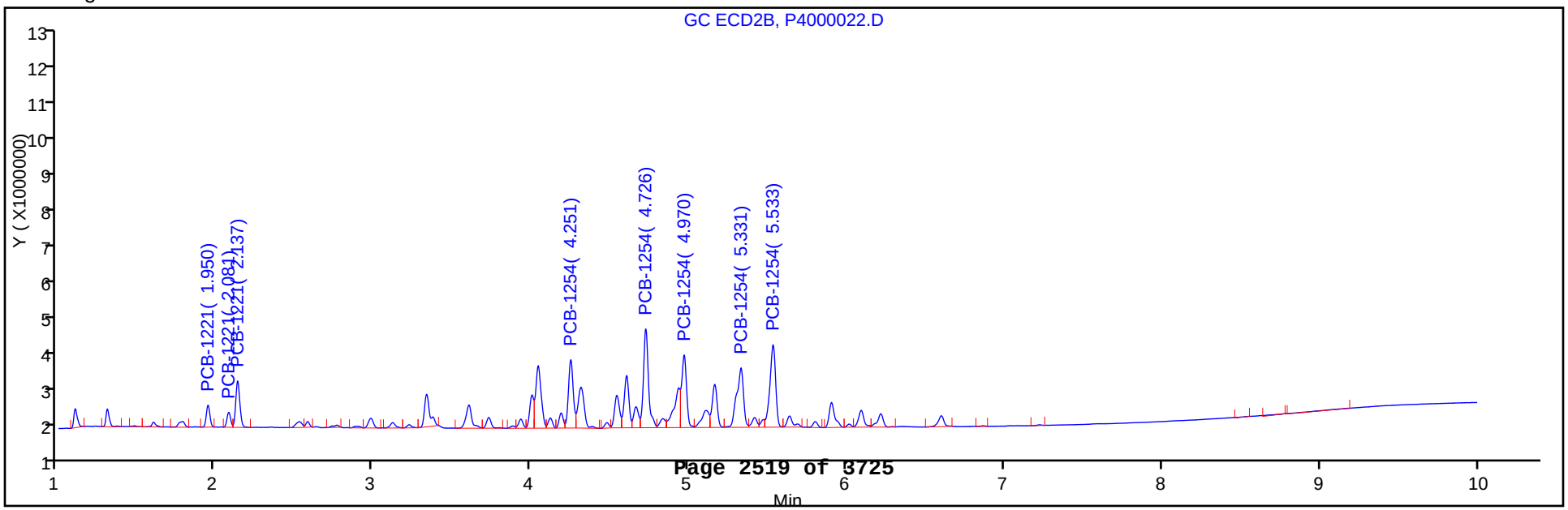
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000022.D

Injection Date:	04-Dec-2012 13:31:49	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000023.D
Lims ID: STD02 AR2154 Client ID:
Inject. Date: 04-Dec-2012 13:47:33 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015497-023
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 67207 Lims Sample ID: 23
Sublist: chrom-PCB4*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:59 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.403	1.404	-0.001	2664439	0.2008		100.0	
1	3	1.512	1.513	-0.001	1381904	0.1946	26.9- 76.9	51.9	
1	4	1.542	1.541	0.001	6788168	0.2039	229.8- 279.8	254.8	
			Average of Peak Amounts =			0.1998			
2	4	1.950	1.951	-0.001	1878475	0.2033		100.0	
2	5	2.081	2.080	0.001	1292956	0.2076	38.8- 98.8	68.8	
2	6	2.138	2.137	0.001	4500525	0.2049	209.6- 269.6	239.6	
			Average of Peak Amounts =			0.2052			
						RPD = 2.70			
8 PCB-1254									
1	100	3.078	3.079	-0.001	8203387	0.2021		100.0	
1	2	3.725	3.726	-0.001	15469105	0.2002	163.6- 213.6	188.6	
1	3	4.007	4.007	0.000	12525798	0.2065	127.7- 177.7	152.7	
1	4	4.198	4.198	0.000	10644045	0.2032	104.8- 154.8	129.8	
1	5	4.482	4.481	0.001	15940152	0.2000	169.3- 219.3	194.3	
			Average of Peak Amounts =			0.2024			
2	6	4.250	4.251	-0.001	7655955	0.2000		100.0	
2	7	4.727	4.726	0.001	11948512	0.2005	126.1- 186.1	156.1	
2	8	4.970	4.970	0.000	8612649	0.2029	82.5- 142.5	112.5	
2	9	5.330	5.331	-0.001	9560072	0.1987	94.9- 154.9	124.9	
2	10	5.533	5.535	-0.002	11480425	0.2006	120.0- 180.0	150.0	
			Average of Peak Amounts =			0.2005			
						RPD = 0.94			

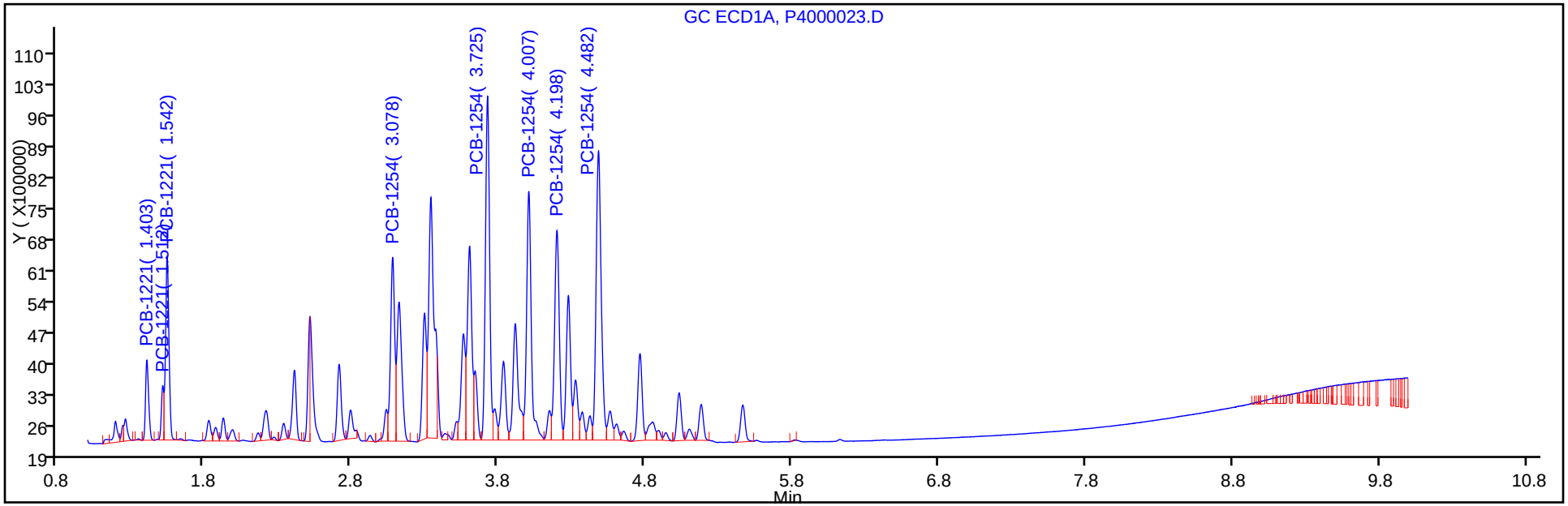
Report Date: 05-Dec-2012 06:34:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

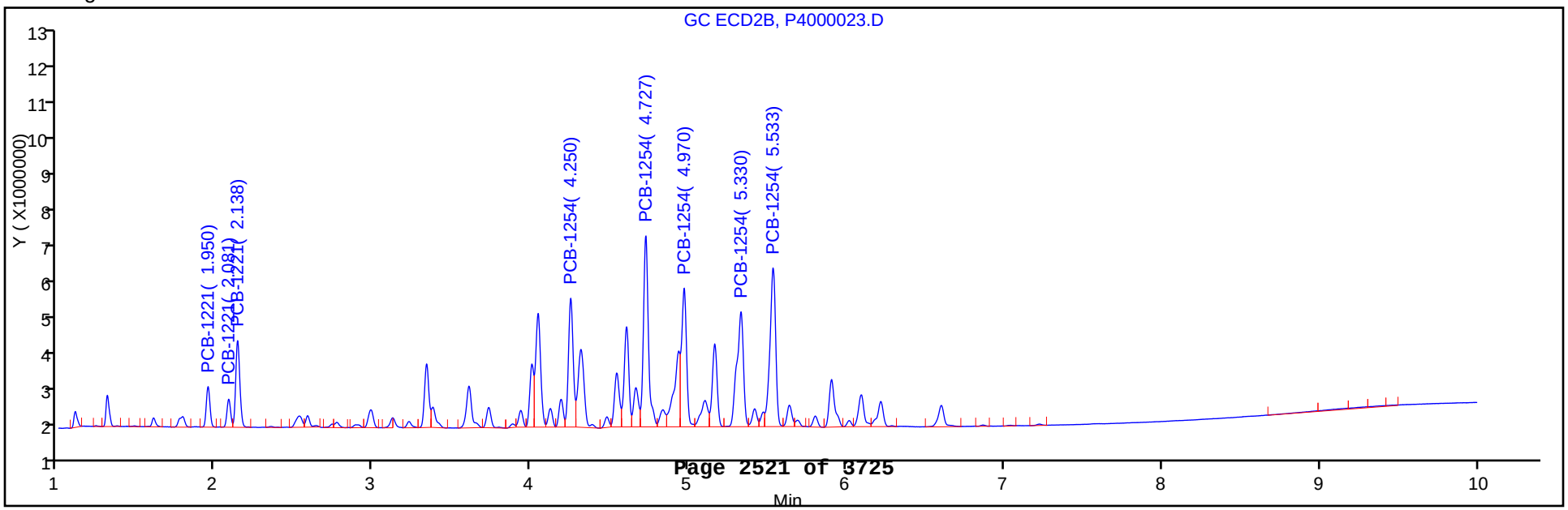
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000023.D

Injection Date:	04-Dec-2012 13:47:33	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000024.D
Lims ID: STD05 AR2154 Client ID:
Inject. Date: 04-Dec-2012 14:03:17 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015497-024
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 67207 Lims Sample ID: 24
Sublist: chrom-PCB4*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:58 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.403	1.404	-0.001	6468622	0.4875		100.0	
1	3	1.511	1.513	-0.002	3383935	0.4766	26.9- 76.9	52.3	
1	4	1.541	1.541	0.000	15864831	0.4765	229.8- 279.8	245.3	
			Average of Peak Amounts =			0.4802			
2	4	1.949	1.951	-0.002	4527401	0.4899		100.0	
2	5	2.080	2.080	0.000	3020052	0.4849	38.8- 98.8	66.7	
2	6	2.136	2.137	-0.001	10542695	0.4799	209.6- 269.6	232.9	
			Average of Peak Amounts =			0.4849			
						RPD = 0.97			
8 PCB-1254									
1	100	3.078	3.079	-0.001	19295247	0.4753		100.0	
1	2	3.725	3.726	-0.001	38588114	0.4994	163.6- 213.6	200.0	
1	3	4.007	4.007	0.000	31007826	0.5113	127.7- 177.7	160.7	
1	4	4.198	4.198	0.000	25735080	0.4913	104.8- 154.8	133.4	
1	5	4.481	4.481	0.000	39323071	0.4934	169.3- 219.3	203.8	
			Average of Peak Amounts =			0.4941			
2	6	4.251	4.251	0.000	18392512	0.4804		100.0	
2	7	4.726	4.726	0.000	29175441	0.4895	126.1- 186.1	158.6	
2	8	4.970	4.970	0.000	20754032	0.4889	82.5- 142.5	112.8	
2	9	5.331	5.331	0.000	23006134	0.4781	94.9- 154.9	125.1	
2	10	5.533	5.535	-0.002	27828063	0.4862	120.0- 180.0	151.3	
			Average of Peak Amounts =			0.4846			
						RPD = 1.94			

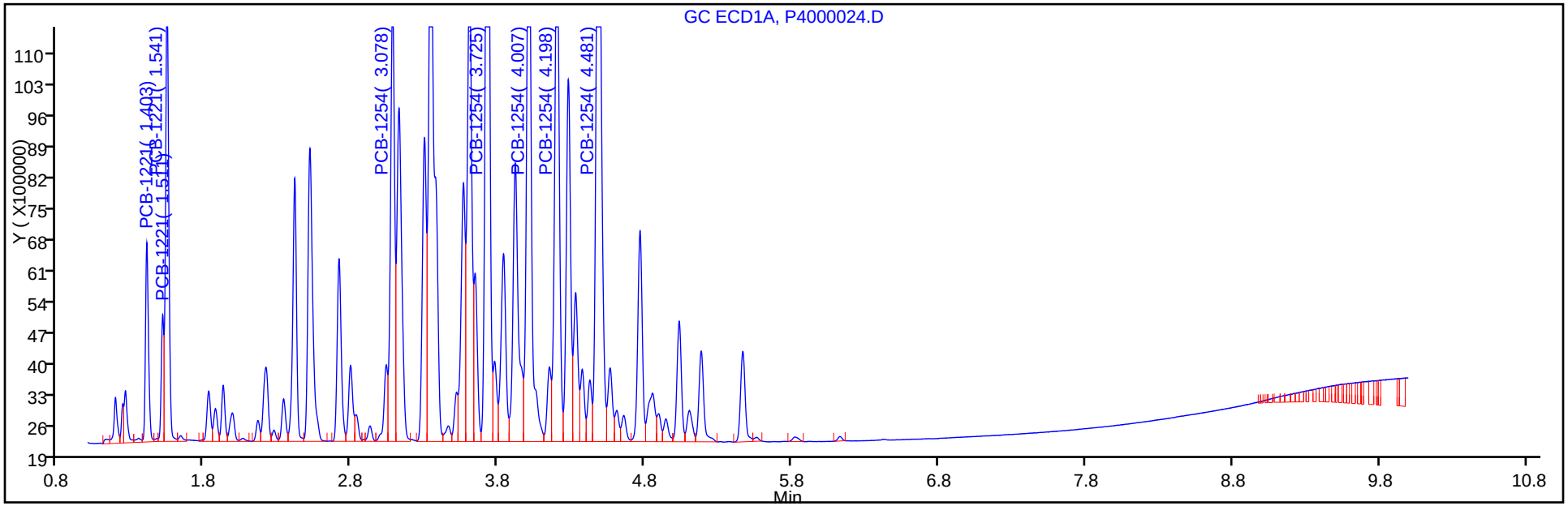
Report Date: 05-Dec-2012 06:33:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

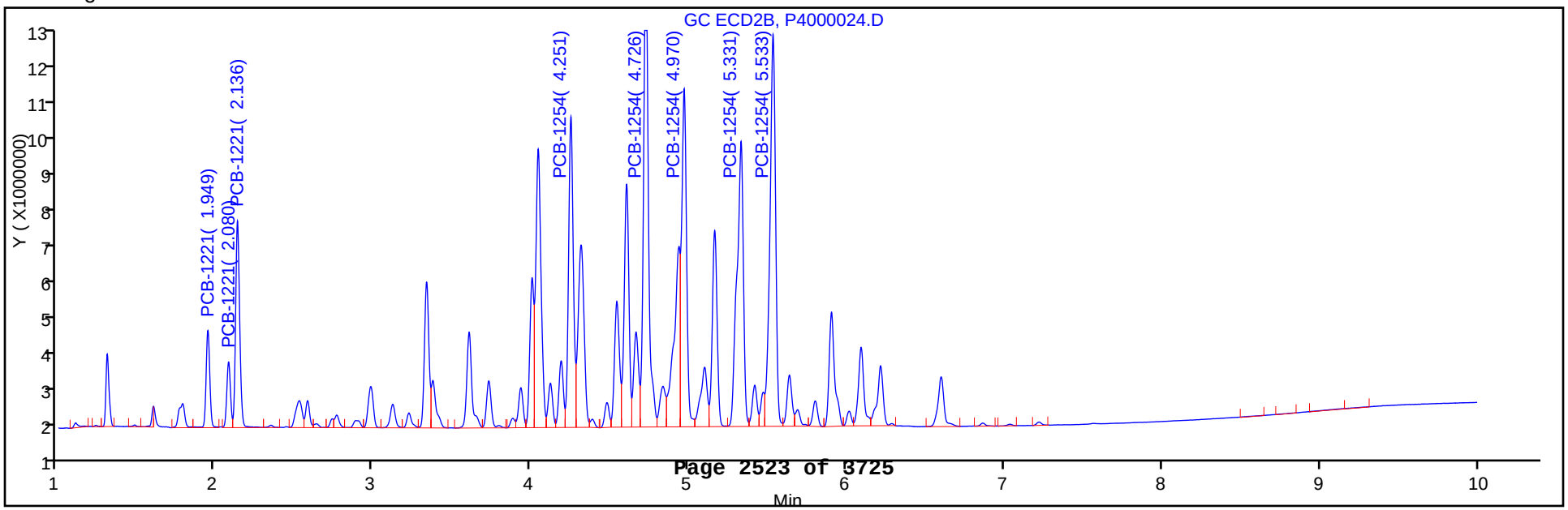
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000024.D

Injection Date:	04-Dec-2012 14:03:17	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000025.D
Lims ID: STD1 AR2154 Client ID:
Inject. Date: 04-Dec-2012 14:19:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015497-025
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 67207 Lims Sample ID: 25
Sublist: chrom-PCB4*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:57 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.404	1.404	0.000	11678491	0.8802		100.0	
1	3	1.512	1.513	-0.001	5943991	0.8372	26.9- 76.9	50.9	
1	4	1.542	1.541	0.001	29599940	0.8890	229.8- 279.8	253.5	
			Average of Peak Amounts =			0.8688			
2	4	1.950	1.951	-0.001	8045662	0.8706		100.0	
2	5	2.080	2.080	0.000	5386110	0.8648	38.8- 98.8	66.9	
2	6	2.137	2.137	0.000	19250099	0.8762	209.6- 269.6	239.3	
			Average of Peak Amounts =			0.8705			
						RPD = 0.20			
8 PCB-1254									
1	100	3.079	3.079	0.000	37111493	0.9142		100.0	
1	2	3.725	3.726	-0.001	73753211	0.9545	163.6- 213.6	198.7	
1	3	4.006	4.007	-0.001	56999689	0.9398	127.7- 177.7	153.6	
1	4	4.198	4.198	0.000	48814551	0.9318	104.8- 154.8	131.5	
1	5	4.481	4.481	0.000	75738359	0.9504	169.3- 219.3	204.1	
			Average of Peak Amounts =			0.9381			
2	6	4.250	4.251	-0.001	35223941	0.9200		100.0	
2	7	4.726	4.726	0.000	56140440	0.9419	126.1- 186.1	159.4	
2	8	4.969	4.970	-0.001	40308263	0.9496	82.5- 142.5	114.4	
2	9	5.330	5.331	-0.001	44231974	0.9193	94.9- 154.9	125.6	
2	10	5.534	5.535	-0.001	53939397	0.9424	120.0- 180.0	153.1	
			Average of Peak Amounts =			0.9346			
						RPD = 0.38			

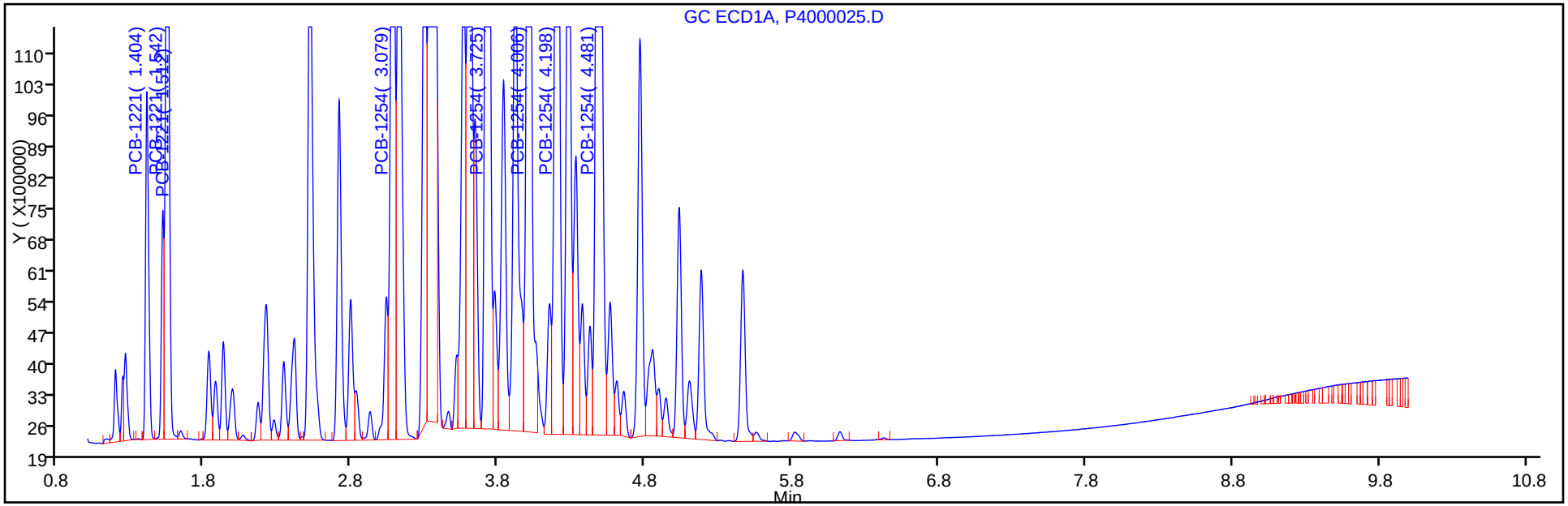
Report Date: 05-Dec-2012 06:33:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

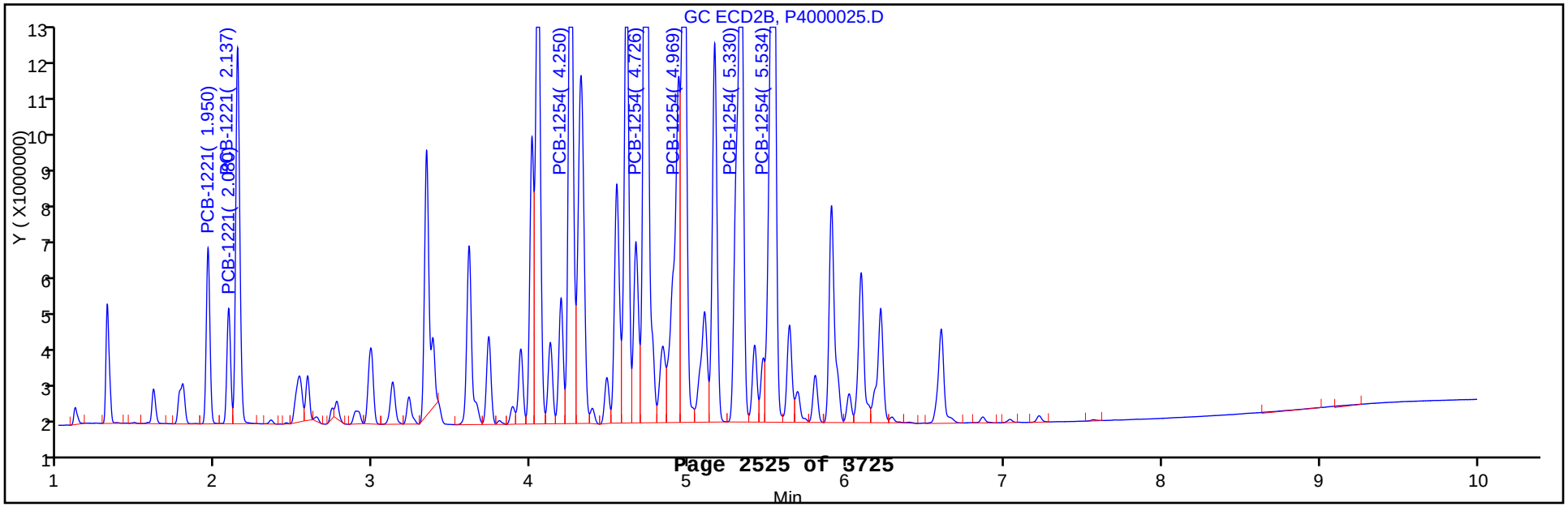
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000025.D

Injection Date:	04-Dec-2012 14:19:09	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000026.D
Lims ID: STD2 AR2154 Client ID:
Inject. Date: 04-Dec-2012 14:34:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015497-026
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 67207 Lims Sample ID: 26
Sublist: chrom-PCB4*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:55 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.403	1.404	-0.001	22278432	1.68		100.0	
1	3	1.511	1.513	-0.002	12089046	1.70	26.9- 76.9	54.3	
1	4	1.541	1.541	0.000	55296655	1.66	229.8- 279.8	248.2	
			Average of Peak Amounts =			1.68			
2	4	1.949	1.951	-0.002	15274417	1.65		100.0	
2	5	2.080	2.080	0.000	10058836	1.62	38.8- 98.8	65.9	
2	6	2.136	2.137	-0.001	36755916	1.67	209.6- 269.6	240.6	
			Average of Peak Amounts =			1.65			
						RPD = 2.04			
8 PCB-1254									
1	100	3.077	3.079	-0.002	71939134	1.77		100.0	
1	2	3.725	3.726	-0.001	143951758	1.86	163.6- 213.6	200.1	
1	3	4.006	4.007	-0.001	112915541	1.86	127.7- 177.7	157.0	
1	4	4.197	4.198	-0.001	95266124	1.82	104.8- 154.8	132.4	
1	5	4.480	4.481	-0.001	148653788	1.87	169.3- 219.3	206.6	
			Average of Peak Amounts =			1.84			
2	6	4.251	4.251	0.000	68696012	1.79		100.0	
2	7	4.726	4.726	0.000	110402862	1.85	126.1- 186.1	160.7	
2	8	4.969	4.970	-0.001	78657595	1.85	82.5- 142.5	114.5	
2	9	5.330	5.331	-0.001	87513253	1.82	94.9- 154.9	127.4	
2	10	5.534	5.535	-0.001	106320527	1.86	120.0- 180.0	154.8	
			Average of Peak Amounts =			1.84			
						RPD = 0.05			

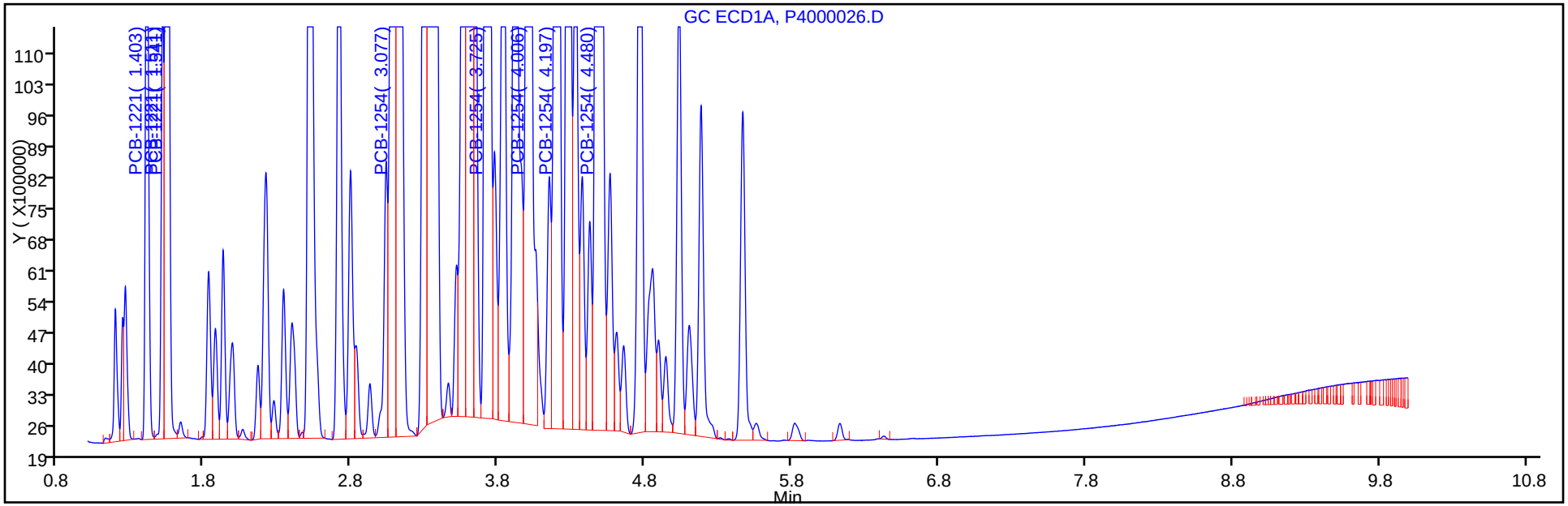
Report Date: 05-Dec-2012 06:33:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

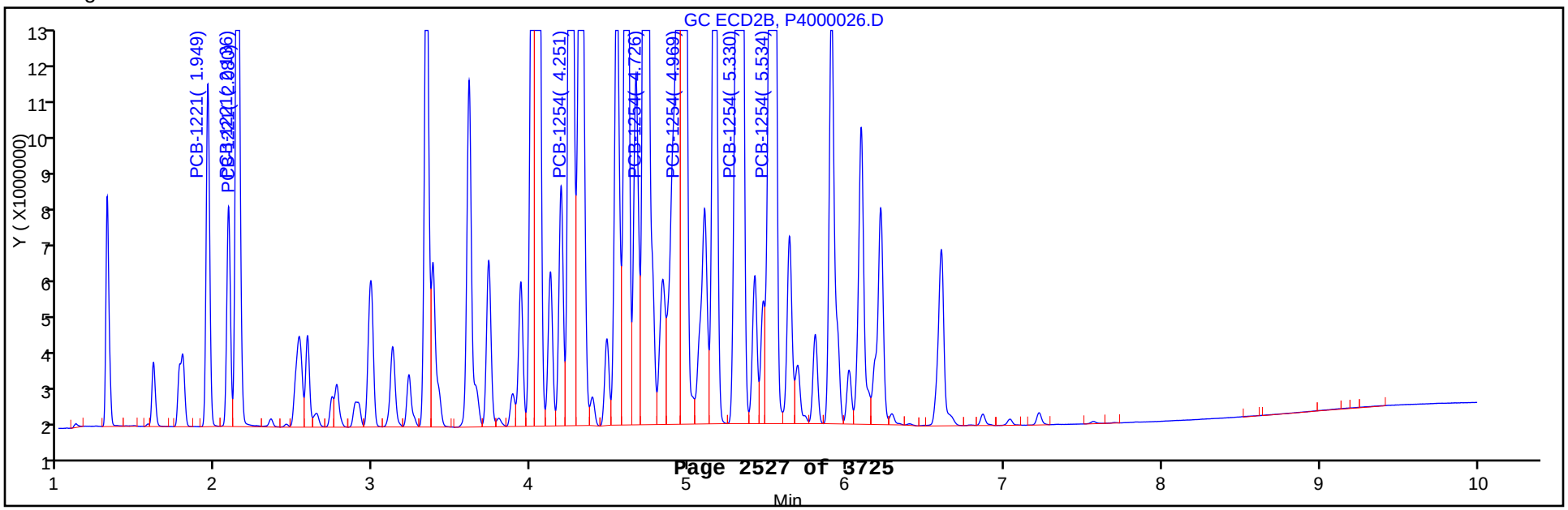
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000026.D

Injection Date:	04-Dec-2012 14:34:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 14:50 Calibration End Date: 12/04/2012 16:09 Calibration ID: 12592

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/27	P4000027.D
Level 2	STD01 240-67207/28	P4000028.D
Level 3	STD02 240-67207/29	P4000029.D
Level 4	STD05 240-67207/30	P4000030.D
Level 5	STD1 240-67207/31	P4000031.D
Level 6	STD2 240-67207/32	P4000032.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	1.542	1.542	1.542	1.541	1.542	1.542					1.441 - 1.641	1.542
PCB-1016 Peak 2	1.824	1.824	1.824	1.824	1.824	1.824					1.724 - 1.924	1.824
PCB-1016 Peak 3	2.215	2.215	2.215	2.216	2.215	2.215					2.116 - 2.316	2.215
PCB-1016 Peak 4	2.336	2.335	2.335	2.336	2.336	2.335					2.236 - 2.436	2.336
PCB-1016 Peak 5	2.716	2.715	2.715	2.716	2.714	2.715					2.616 - 2.816	2.715
PCB-1260 Peak 1	3.913	3.913	3.914	3.914	3.913	3.913					3.814 - 4.014	3.913
PCB-1260 Peak 2	4.199	4.199	4.200	4.199	4.199	4.199					4.099 - 4.299	4.199
PCB-1260 Peak 3	4.480	4.479	4.480	4.479	4.479	4.479					4.379 - 4.579	4.479
PCB-1260 Peak 4	5.181	5.181	5.180	5.181	5.180	5.180					5.081 - 5.281	5.181
PCB-1260 Peak 5	5.465	5.464	5.464	5.464	5.465	5.464					5.364 - 5.564	5.464
Tetrachloro-m-xylene	1.272	1.271	1.271	1.271	1.272	1.272					1.171 - 1.371	1.272
DCB Decachlorobiphenyl	6.622	6.621	6.621	6.622	6.622	6.622					6.522 - 6.722	6.622

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 14:50 Calibration End Date: 12/04/2012 16:09 Calibration ID: 12592

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/27	P4000027.D
Level 2	STD01 240-67207/28	P4000028.D
Level 3	STD02 240-67207/29	P4000029.D
Level 4	STD05 240-67207/30	P4000030.D
Level 5	STD1 240-67207/31	P4000031.D
Level 6	STD2 240-67207/32	P4000032.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	30747940 21328587	27727160 20278751	25585340	22547422	Ave		24702533.3				16.0		20.0			
PCB-1016 Peak 2	53911280 38818543	49147810 36747910	45377630	40908726	Ave		44151983.2				15.0		20.0			
PCB-1016 Peak 3	102241700 85671242	97007740 83376050	92009785	87034968	Ave		91223580.8				8.0		20.0			
PCB-1016 Peak 4	47148880 36665502	44168400 35716675	41044205	37874432	Ave		40436348.9				11.0		20.0			
PCB-1016 Peak 5	47208680 36479931	44410660 35600612	41238785	38083096	Ave		40503627.3				11.0		20.0			
PCB-1260 Peak 1	69206360 54069980	64141510 52961623	59436170	56244510	Ave		59343358.8				11.0		20.0			
PCB-1260 Peak 2	123258020 98843004	115416660 96579884	107737475	102547768	Ave		107397135				9.6		20.0			
PCB-1260 Peak 3	125279300 102731375	117150420 101206289	109741565	105530956	Ave		110273317				8.5		20.0			
PCB-1260 Peak 4	136654300 118290242	130327380 117276141	123841595	121180074	Ave		124594955				6.0		20.0			
PCB-1260 Peak 5	73728520 62439749	70350550 62040465	66546310	63949508	Ave		66509183.7				7.1		20.0			
Tetrachloro-m-xylene	1557005200 1315943100	1466196200 1267026200	1414593400	1340387800	Ave		1393525317				7.7		20.0			
DCB Decachlorobiphenyl	1501990000 1187995320	1390720000 1164942840	1319796500	1233285440	Ave		1299788350				10.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 14:50 Calibration End Date: 12/04/2012 16:09 Calibration ID: 12592

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/27	P4000027.D
Level 2	STD01 240-67207/28	P4000028.D
Level 3	STD02 240-67207/29	P4000029.D
Level 4	STD05 240-67207/30	P4000030.D
Level 5	STD1 240-67207/31	P4000031.D
Level 6	STD2 240-67207/32	P4000032.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	1537397 40557501	2772716	5117068	11273711	21328587	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	2695564 73495820	4914781	9075526	20454363	38818543	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	5112085 166752099	9700774	18401957	43517484	85671242	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	2357444 71433349	4416840	8208841	18937216	36665502	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	2360434 71201223	4441066	8247757	19041548	36479931	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	3460318 105923246	6414151	11887234	28122255	54069980	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	6162901 193159768	11541666	21547495	51273884	98843004	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	6263965 202412577	11715042	21948313	52765478	102731375	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	6832715 234552281	13032738	24768319	60590037	118290242	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	3686426 124080930	7035055	13309262	31974754	62439749	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	3892513 126702620	7330981	14145934	33509695	65797155	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	Ave	3754975 116494284	6953600	13197965	30832136	59399766	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000027.D
Lims ID: STD005 1660 Client ID:
Inject. Date: 04-Dec-2012 14:50:37 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015497-027
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 67207 Lims Sample ID: 27
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:53 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.272	1.271	0.001	3892513	0.002793			
2	2	1.674	1.674	0.000	2448339	0.002708			
						RPD = 3.10			
6 PCB-1016									
1	100	1.542	1.541	0.001	1537397	0.0622		100.0	
1	2	1.824	1.824	0.000	2695564	0.0611	152.4- 202.4	175.3	
1	3	2.215	2.216	-0.001	5112085	0.0560	334.6- 384.6	332.5	
1	4	2.336	2.336	0.000	2357444	0.0583	125.4- 195.4	153.3	
1	5	2.716	2.716	0.000	2360434	0.0583	136.2- 186.2	153.5	
			Average of Peak Amounts =			0.0592			
2	6	2.136	2.136	0.000	983141	0.0622		100.0	
2	7	2.532	2.531	0.001	1899861	0.0604	169.0- 229.0	193.2	
2	8	2.981	2.981	0.000	3578921	0.0566	361.2- 421.2	364.0	
2	9	3.119	3.120	-0.001	1673247	0.0606	144.4- 204.4	170.2	
2	10	3.223	3.223	0.000	1289395	0.0590	108.9- 168.9	131.2	
			Average of Peak Amounts =			0.0598			
						RPD = 1.00			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.913	3.914	-0.001	3460318	0.0583		100.0	
1	2	4.199	4.199	0.000	6162901	0.0574	156.3- 206.3	178.1	
1	3	4.480	4.479	0.001	6263965	0.0568	159.6- 209.6	181.0	
1	4	5.181	5.181	0.000	6832715	0.0548	183.4- 233.4	197.5	
1	5	5.465	5.464	0.001	3686426	0.0554	87.0- 137.0	106.5	
			Average of Peak Amounts =			0.0566			
2	6	4.934	4.933	0.001	2652110	0.0583		100.0	
2	7	5.163	5.162	0.001	3277021	0.0600	86.9- 146.9	123.6	
2	8	5.532	5.530	0.002	4563313	0.0566	145.2- 205.2	172.1	
2	9	6.216	6.216	0.000	5375721	0.0555	177.4- 237.4	202.7	
2	10	6.598	6.598	0.000	4073986	0.0567	125.7- 185.7	153.6	
			Average of Peak Amounts =			0.0574			
						RPD = 1.54			
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	3754975	0.002889			
2	2	7.836	7.835	0.001	2907230	0.002933			
						RPD = 1.52			

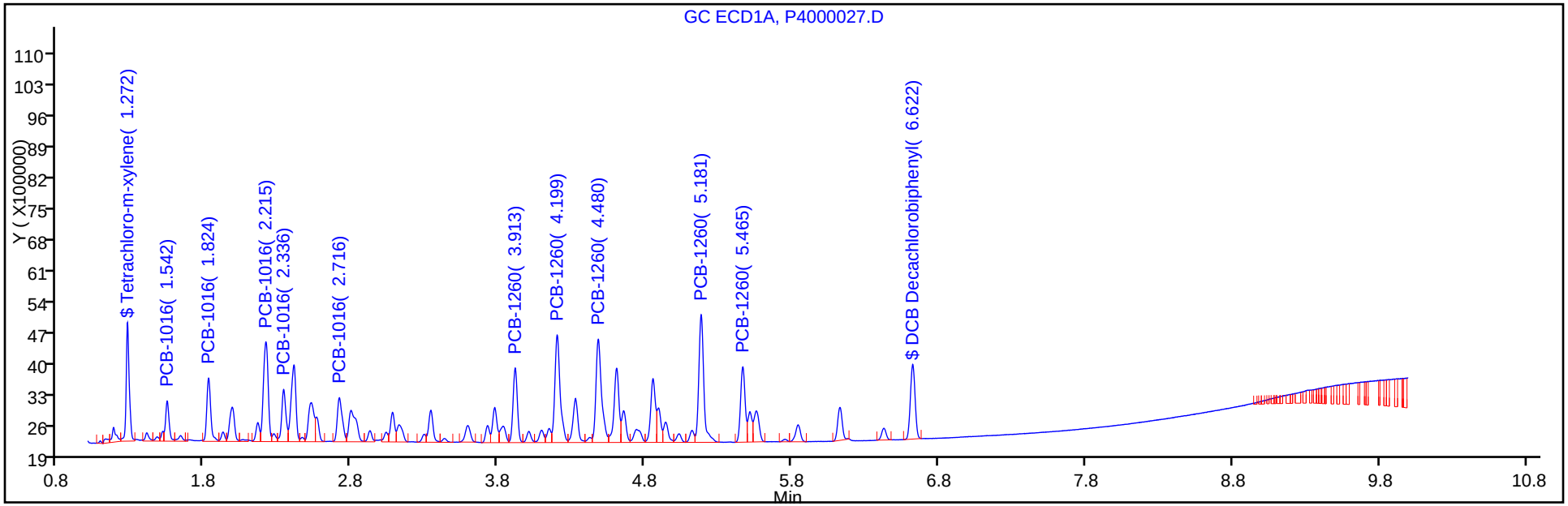
Report Date: 05-Dec-2012 06:33:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

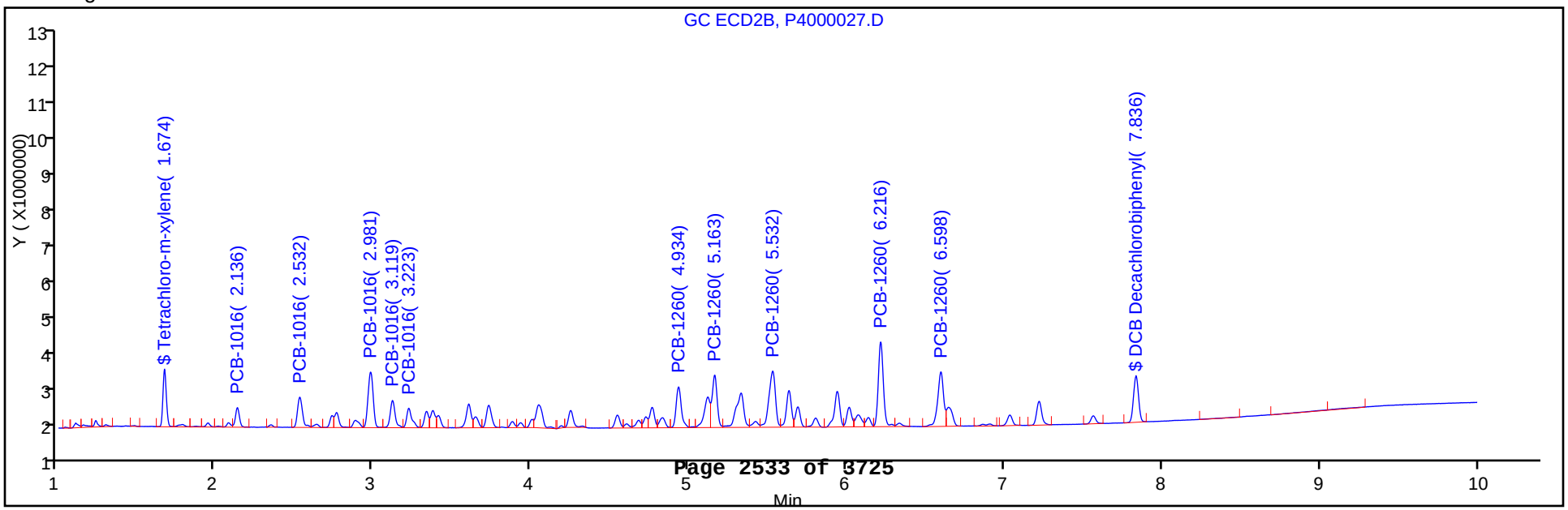
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000027.D

Injection Date:	04-Dec-2012 14:50:37	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000028.D
Lims ID: STD01 1660 Client ID:
Inject. Date: 04-Dec-2012 15:06:19 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015497-028
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 28
Lims Batch ID: 67207 Lims Sample ID: 28
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:52 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	7330981	0.005261			
2	2	1.674	1.674	0.000	4664354	0.005159			
						RPD = 1.95			
6 PCB-1016									
1	100	1.542	1.541	0.001	2772716	0.1122		100.0	
1	2	1.824	1.824	0.000	4914781	0.1113	152.4- 202.4	177.3	
1	3	2.215	2.216	-0.001	9700774	0.1063	334.6- 384.6	349.9	
1	4	2.335	2.336	-0.001	4416840	0.1092	125.4- 195.4	159.3	
1	5	2.715	2.716	-0.001	4441066	0.1096	136.2- 186.2	160.2	
			Average of Peak Amounts =			0.1098			
2	6	2.135	2.136	-0.001	1794154	0.1135		100.0	
2	7	2.531	2.531	0.000	3525956	0.1121	169.0- 229.0	196.5	
2	8	2.981	2.981	0.000	6622745	0.1048	361.2- 421.2	369.1	
2	9	3.120	3.120	0.000	2921117	0.1058	144.4- 204.4	162.8	
2	10	3.223	3.223	0.000	2285952	0.1046	108.9- 168.9	127.4	
			Average of Peak Amounts =			0.1082			
						RPD = 1.45			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.913	3.914	-0.001	6414151	0.1081		100.0	
1	2	4.199	4.199	0.000	11541666	0.1075	156.3- 206.3	179.9	
1	3	4.479	4.479	0.000	11715042	0.1062	159.6- 209.6	182.6	
1	4	5.181	5.181	0.000	13032738	0.1046	183.4- 233.4	203.2	
1	5	5.464	5.464	0.000	7035055	0.1058	87.0- 137.0	109.7	
			Average of Peak Amounts =			0.1064			
2	6	4.934	4.933	0.001	4983158	0.1095		100.0	
2	7	5.162	5.162	0.000	6144099	0.1126	86.9- 146.9	123.3	
2	8	5.530	5.530	0.000	8596348	0.1066	145.2- 205.2	172.5	
2	9	6.215	6.216	-0.001	10051993	0.1038	177.4- 237.4	201.7	
2	10	6.598	6.598	0.000	7616673	0.1061	125.7- 185.7	152.8	
			Average of Peak Amounts =			0.1077			
						RPD = 1.19			
$ 12 DCB Decachlorobiphenyl									
1	100	6.621	6.622	-0.001	6953600	0.005350			
2	2	7.835	7.835	0.000	5388719	0.005437			
						RPD = 1.61			

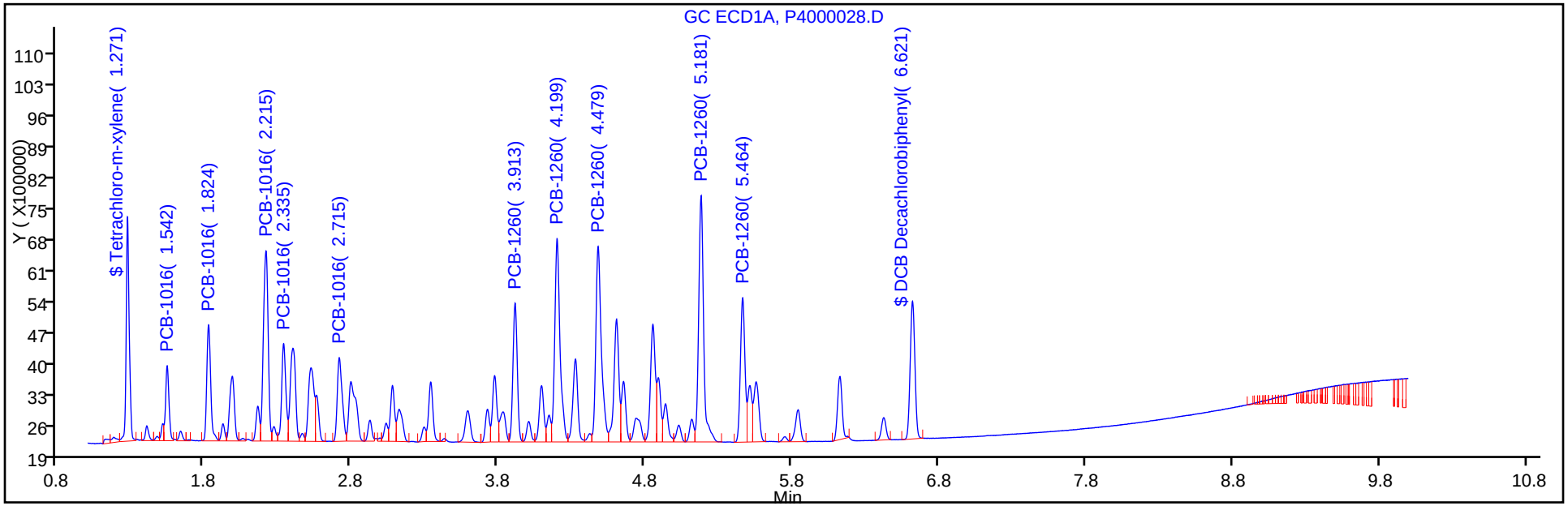
Report Date: 05-Dec-2012 06:33:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

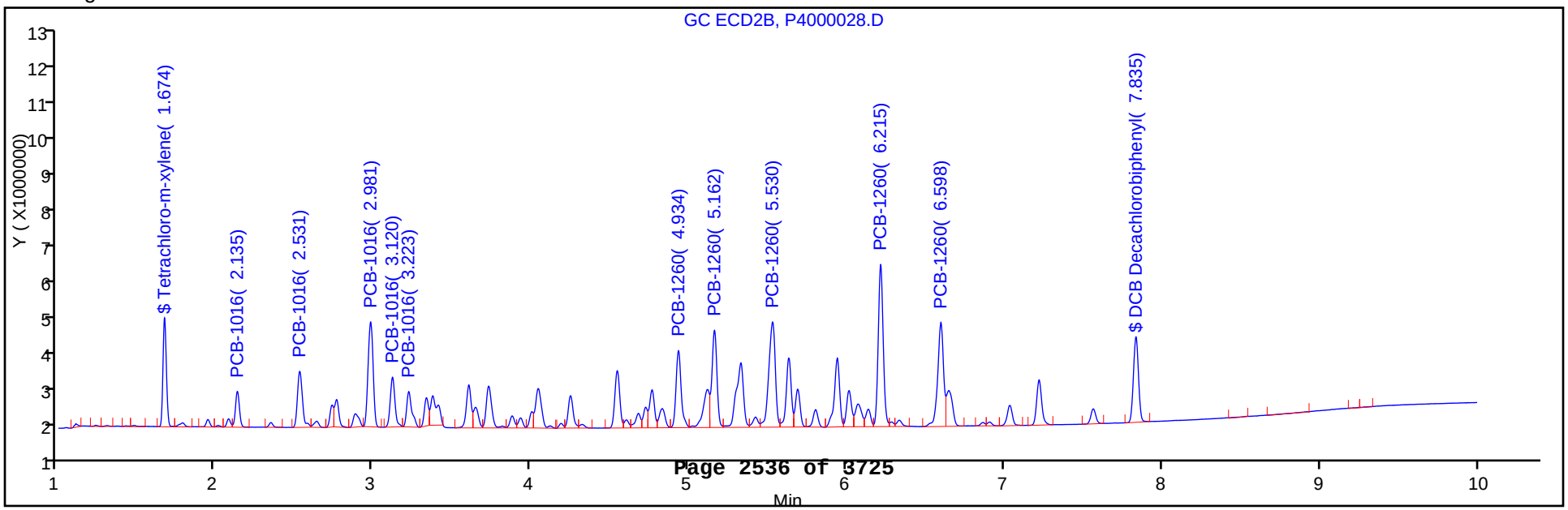
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000028.D

Injection Date:	04-Dec-2012 15:06:19	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	28
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000029.D
Lims ID: STD02 1660 Client ID:
Inject. Date: 04-Dec-2012 15:22:11 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015497-029
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 67207 Lims Sample ID: 29
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:50 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	14145934	0.0102			
2	2	1.674	1.674	0.000	9127926	0.0101			
						RPD = 0.54			
6 PCB-1016									
1	100	1.542	1.541	0.001	5117068	0.2071		100.0	
1	2	1.824	1.824	0.000	9075526	0.2056	152.4- 202.4	177.4	
1	3	2.215	2.216	-0.001	18401957	0.2017	334.6- 384.6	359.6	
1	4	2.335	2.336	-0.001	8208841	0.2030	125.4- 195.4	160.4	
1	5	2.715	2.716	-0.001	8247757	0.2036	136.2- 186.2	161.2	
			Average of Peak Amounts =			0.2042			
2	6	2.135	2.136	-0.001	3274215	0.2071		100.0	
2	7	2.530	2.531	-0.001	6516512	0.2073	169.0- 229.0	199.0	
2	8	2.980	2.981	-0.001	12809702	0.2027	361.2- 421.2	391.2	
2	9	3.120	3.120	0.000	5708663	0.2068	144.4- 204.4	174.4	
2	10	3.224	3.223	0.001	4546606	0.2081	108.9- 168.9	138.9	
			Average of Peak Amounts =			0.2064			
						RPD = 1.07			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.914	3.914	0.000	11887234	0.2003		100.0	
1	2	4.200	4.199	0.001	21547495	0.2006	156.3- 206.3	181.3	
1	3	4.480	4.479	0.001	21948313	0.1990	159.6- 209.6	184.6	
1	4	5.180	5.181	-0.001	24768319	0.1988	183.4- 233.4	208.4	
1	5	5.464	5.464	0.000	13309262	0.2001	87.0- 137.0	112.0	
			Average of Peak Amounts =			0.1998			
2	6	4.934	4.933	0.001	9185114	0.2017		100.0	
2	7	5.162	5.162	0.000	10739163	0.1968	86.9- 146.9	116.9	
2	8	5.530	5.530	0.000	16096894	0.1996	145.2- 205.2	175.2	
2	9	6.216	6.216	0.000	19053029	0.1968	177.4- 237.4	207.4	
2	10	6.598	6.598	0.000	14302620	0.1992	125.7- 185.7	155.7	
			Average of Peak Amounts =			0.1988			
						RPD = 0.48			
$ 12 DCB Decachlorobiphenyl									
1	100	6.621	6.622	-0.001	13197965	0.0102			
2	2	7.835	7.835	0.000	10160505	0.0103			
						RPD = 0.95			

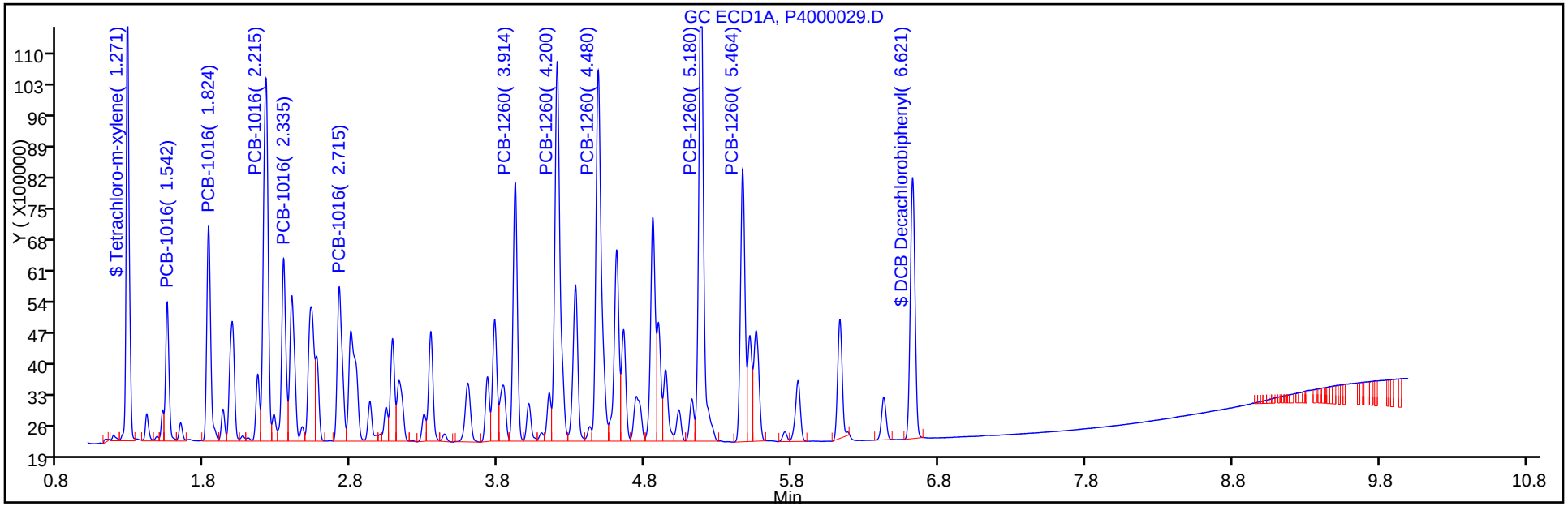
Report Date: 05-Dec-2012 06:33:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

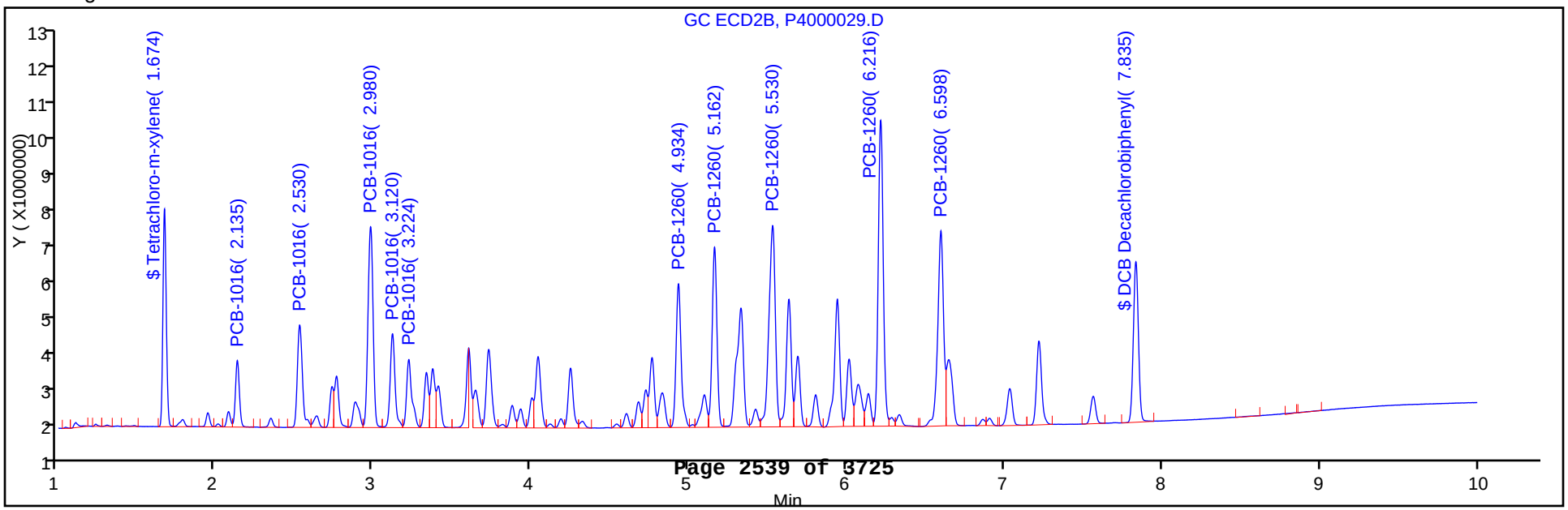
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000029.D

Injection Date:	04-Dec-2012 15:22:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000030.D
Lims ID: STD05 1660 Client ID:
Inject. Date: 04-Dec-2012 15:37:54 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 4
Sample ID: 240-0015497-030
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 67207 Lims Sample ID: 30
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:49 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	33509695	0.0240			
2	2	1.674	1.674	0.000	21803636	0.0241			
						RPD = 0.29			
6 PCB-1016									
1	100	1.541	1.541	0.000	11273711	0.4564		100.0	
1	2	1.824	1.824	0.000	20454363	0.4633	152.4- 202.4	181.4	
1	3	2.216	2.216	0.000	43517484	0.4770	334.6- 384.6	386.0	
1	4	2.336	2.336	0.000	18937216	0.4683	125.4- 195.4	168.0	
1	5	2.716	2.716	0.000	19041548	0.4701	136.2- 186.2	168.9	
			Average of Peak Amounts =			0.4670			
2	6	2.136	2.136	0.000	7239720	0.4580		100.0	
2	7	2.531	2.531	0.000	14603311	0.4645	169.0- 229.0	201.7	
2	8	2.981	2.981	0.000	30163761	0.4773	361.2- 421.2	416.6	
2	9	3.120	3.120	0.000	12998493	0.4708	144.4- 204.4	179.5	
2	10	3.223	3.223	0.000	10370107	0.4747	108.9- 168.9	143.2	
			Average of Peak Amounts =			0.4691			
						RPD = 0.43			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.914	3.914	0.000	28122255	0.4739		100.0	
1	2	4.199	4.199	0.000	51273884	0.4774	156.3- 206.3	182.3	
1	3	4.479	4.479	0.000	52765478	0.4785	159.6- 209.6	187.6	
1	4	5.181	5.181	0.000	60590037	0.4863	183.4- 233.4	215.5	
1	5	5.464	5.464	0.000	31974754	0.4808	87.0- 137.0	113.7	
			Average of Peak Amounts =			0.4794			
2	6	4.933	4.933	0.000	21322575	0.4683		100.0	
2	7	5.162	5.162	0.000	25175972	0.4613	86.9- 146.9	118.1	
2	8	5.530	5.530	0.000	38354268	0.4756	145.2- 205.2	179.9	
2	9	6.216	6.216	0.000	47421524	0.4899	177.4- 237.4	222.4	
2	10	6.598	6.598	0.000	34199543	0.4763	125.7- 185.7	160.4	
			Average of Peak Amounts =			0.4743			
						RPD = 1.07			
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	30832136	0.0237			
2	2	7.835	7.835	0.000	23297826	0.0235			
						RPD = 0.92			

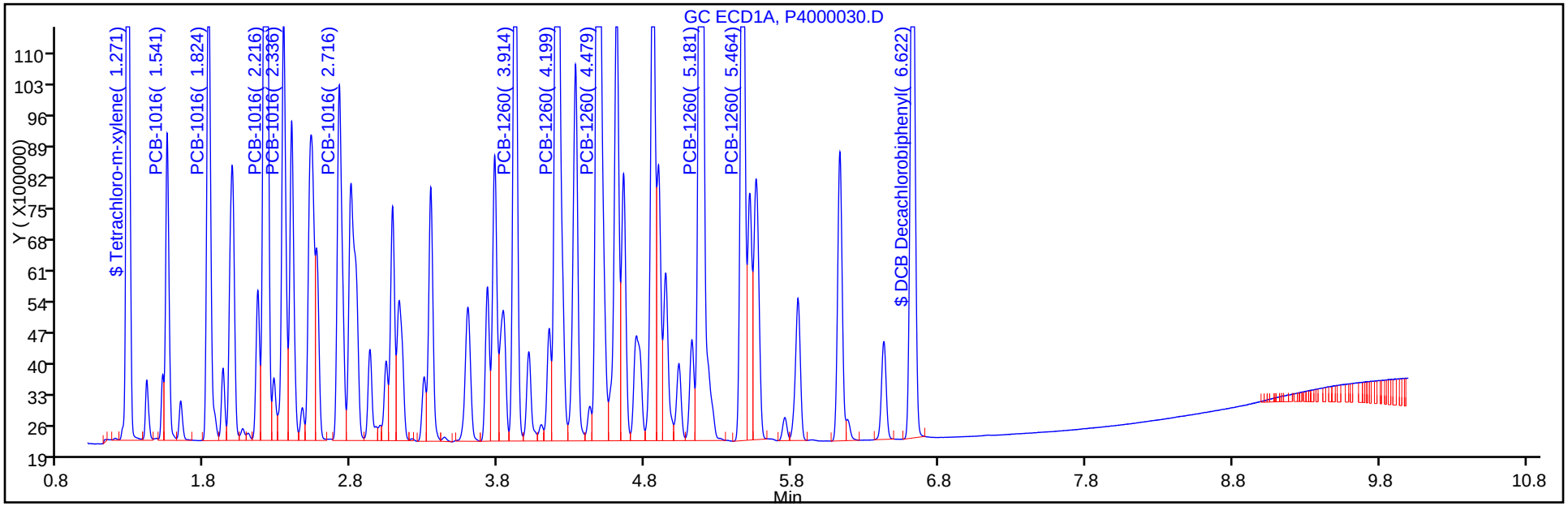
Report Date: 05-Dec-2012 06:33:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

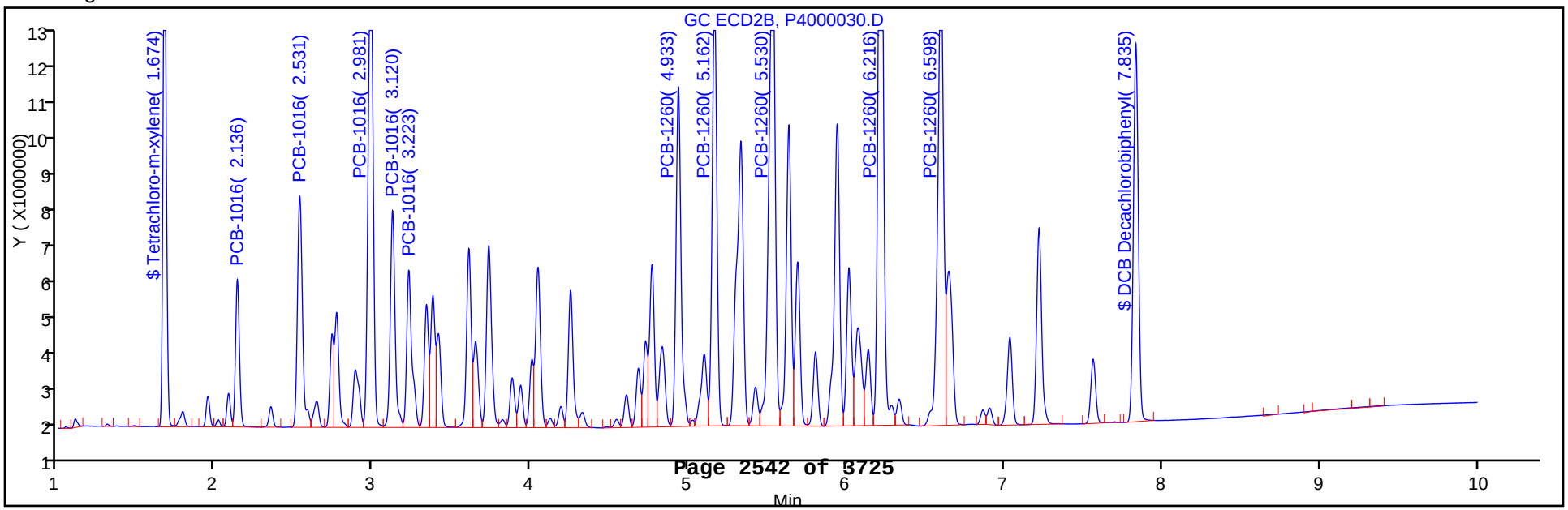
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000030.D

Injection Date:	04-Dec-2012 15:37:54	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000031.D
Lims ID: STD1 1660 Client ID:
Inject. Date: 04-Dec-2012 15:53:40 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015497-031
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 31
Lims Batch ID: 67207 Lims Sample ID: 31
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:47 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.272	1.271	0.001	65797155	0.0472			
2	2	1.673	1.674	-0.001	43413295	0.0480			
						RPD = 1.68			
6 PCB-1016									
1	100	1.542	1.541	0.001	21328587	0.8634		100.0	
1	2	1.824	1.824	0.000	38818543	0.8792	152.4- 202.4	182.0	
1	3	2.215	2.216	-0.001	85671242	0.9391	334.6- 384.6	401.7	
1	4	2.336	2.336	0.000	36665502	0.9067	125.4- 195.4	171.9	
1	5	2.714	2.716	-0.002	36479931	0.9007	136.2- 186.2	171.0	
			Average of Peak Amounts =			0.8978			
2	6	2.136	2.136	0.000	13569652	0.8584		100.0	
2	7	2.531	2.531	0.000	27596753	0.8778	169.0- 229.0	203.4	
2	8	2.982	2.981	0.001	59214307	0.9369	361.2- 421.2	436.4	
2	9	3.120	3.120	0.000	24858586	0.9004	144.4- 204.4	183.2	
2	10	3.223	3.223	0.000	19939646	0.9128	108.9- 168.9	146.9	
			Average of Peak Amounts =			0.8973			
						RPD = 0.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.913	3.914	-0.001	54069980	0.9111		100.0	
1	2	4.199	4.199	0.000	98843004	0.9204	156.3- 206.3	182.8	
1	3	4.479	4.479	0.000	102731375	0.9316	159.6- 209.6	190.0	
1	4	5.180	5.181	-0.001	118290242	0.9494	183.4- 233.4	218.8	
1	5	5.465	5.464	0.001	62439749	0.9388	87.0- 137.0	115.5	
			Average of Peak Amounts =			0.9303			
2	6	4.933	4.933	0.000	41227678	0.9055		100.0	
2	7	5.161	5.162	-0.001	48465228	0.8880	86.9- 146.9	117.6	
2	8	5.530	5.530	0.000	74962784	0.9295	145.2- 205.2	181.8	
2	9	6.214	6.216	-0.002	91317845	0.9434	177.4- 237.4	221.5	
2	10	6.597	6.598	-0.001	66732822	0.9294	125.7- 185.7	161.9	
			Average of Peak Amounts =			0.9192			
						RPD = 1.20			
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	59399766	0.0457			
2	2	7.833	7.835	-0.002	44431440	0.0448			
						RPD = 1.93			

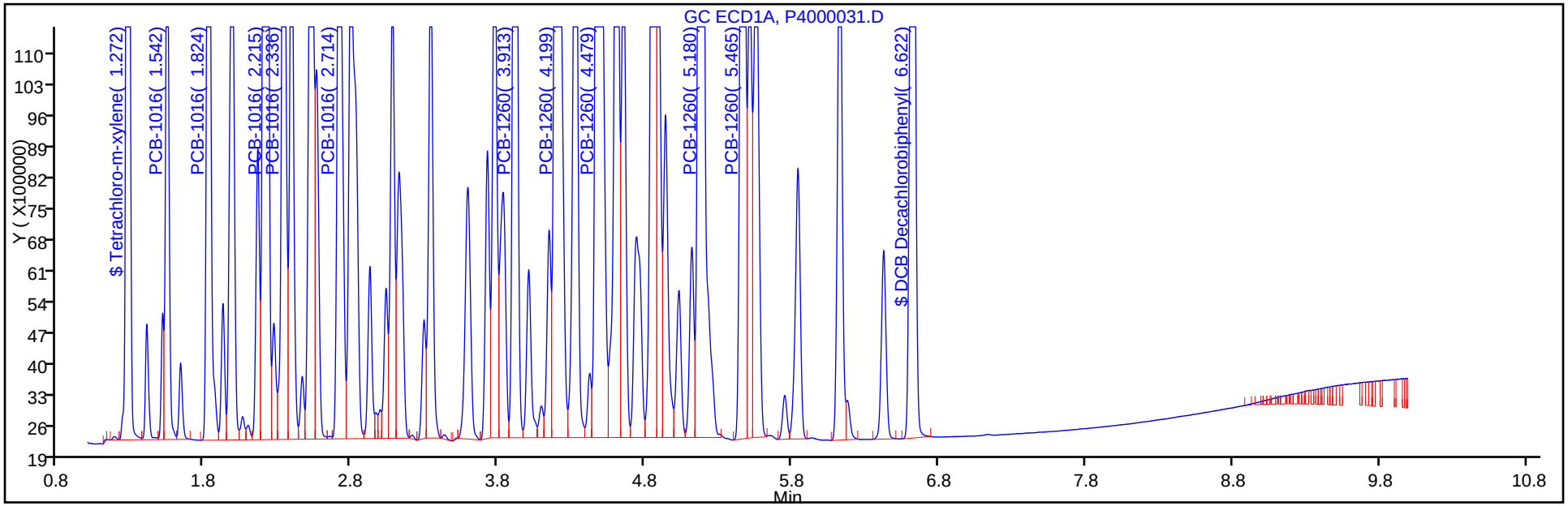
Report Date: 05-Dec-2012 06:33:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

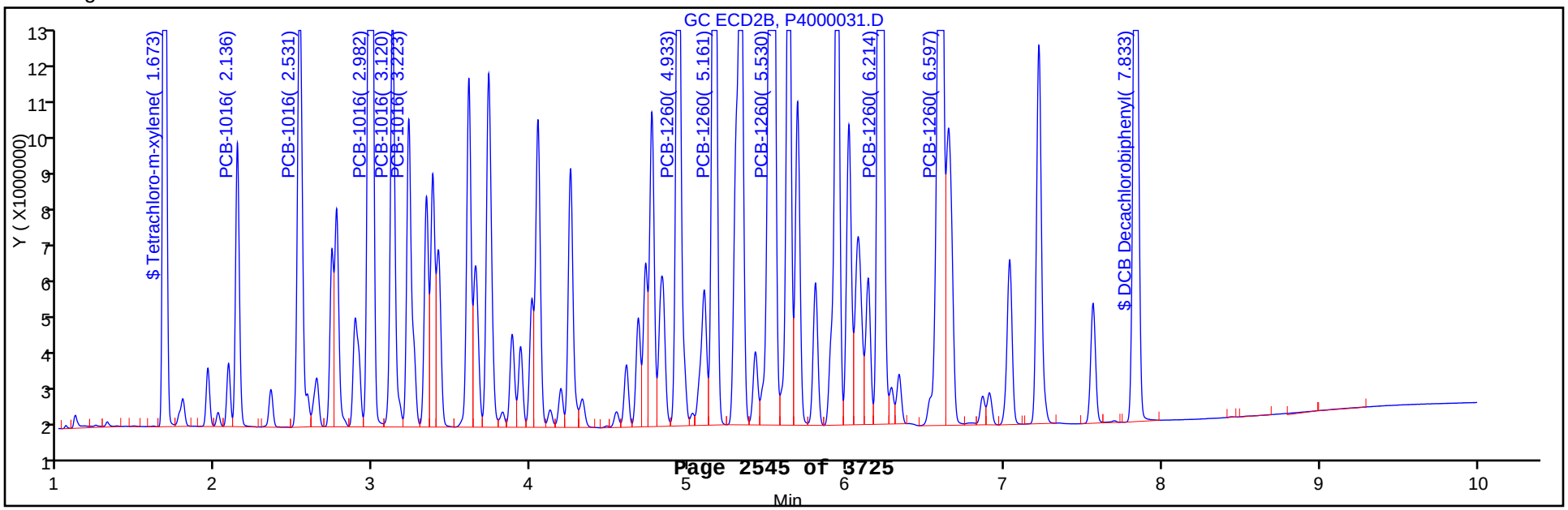
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000031.D

Injection Date:	04-Dec-2012 15:53:40	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	31
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000032.D
Lims ID: STD2 1660 Client ID:
Inject. Date: 04-Dec-2012 16:09:22 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015497-032
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 67207 Lims Sample ID: 32
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:45 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.272	1.271	0.001	126702620	0.0909			
2	2	1.674	1.674	0.000	85916290	0.0950			
						RPD = 4.42			
6 PCB-1016									
1	100	1.542	1.541	0.001	40557501	1.64		100.0	
1	2	1.824	1.824	0.000	73495820	1.66	152.4- 202.4	181.2	
1	3	2.215	2.216	-0.001	166752099	1.83	334.6- 384.6	411.1	
1	4	2.335	2.336	-0.001	71433349	1.77	125.4- 195.4	176.1	
1	5	2.715	2.716	-0.001	71201223	1.76	136.2- 186.2	175.6	
			Average of Peak Amounts =			1.73			
2	6	2.135	2.136	-0.001	25636975	1.62		100.0	
2	7	2.531	2.531	0.000	51994716	1.65	169.0- 229.0	202.8	
2	8	2.982	2.981	0.001	115611041	1.83	361.2- 421.2	451.0	
2	9	3.120	3.120	0.000	47139896	1.71	144.4- 204.4	183.9	
2	10	3.223	3.223	0.000	38022071	1.74	108.9- 168.9	148.3	
			Average of Peak Amounts =			1.71			
						RPD = 1.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.913	3.914	-0.001	105923246	1.78		100.0	
1	2	4.199	4.199	0.000	193159768	1.80	156.3- 206.3	182.4	
1	3	4.479	4.479	0.000	202412577	1.84	159.6- 209.6	191.1	
1	4	5.180	5.181	-0.001	234552281	1.88	183.4- 233.4	221.4	
1	5	5.464	5.464	0.000	124080930	1.87	87.0- 137.0	117.1	
			Average of Peak Amounts =			1.83			
2	6	4.934	4.933	0.001	80990541	1.78		100.0	
2	7	5.163	5.162	0.001	95971224	1.76	86.9- 146.9	118.5	
2	8	5.530	5.530	0.000	148972268	1.85	145.2- 205.2	183.9	
2	9	6.216	6.216	0.000	182602956	1.89	177.4- 237.4	225.5	
2	10	6.597	6.598	-0.001	133081377	1.85	125.7- 185.7	164.3	
			Average of Peak Amounts =			1.82			
						RPD = 0.47			
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	116494284	0.0896			
2	2	7.835	7.835	0.000	86995280	0.0878			
						RPD = 2.09			

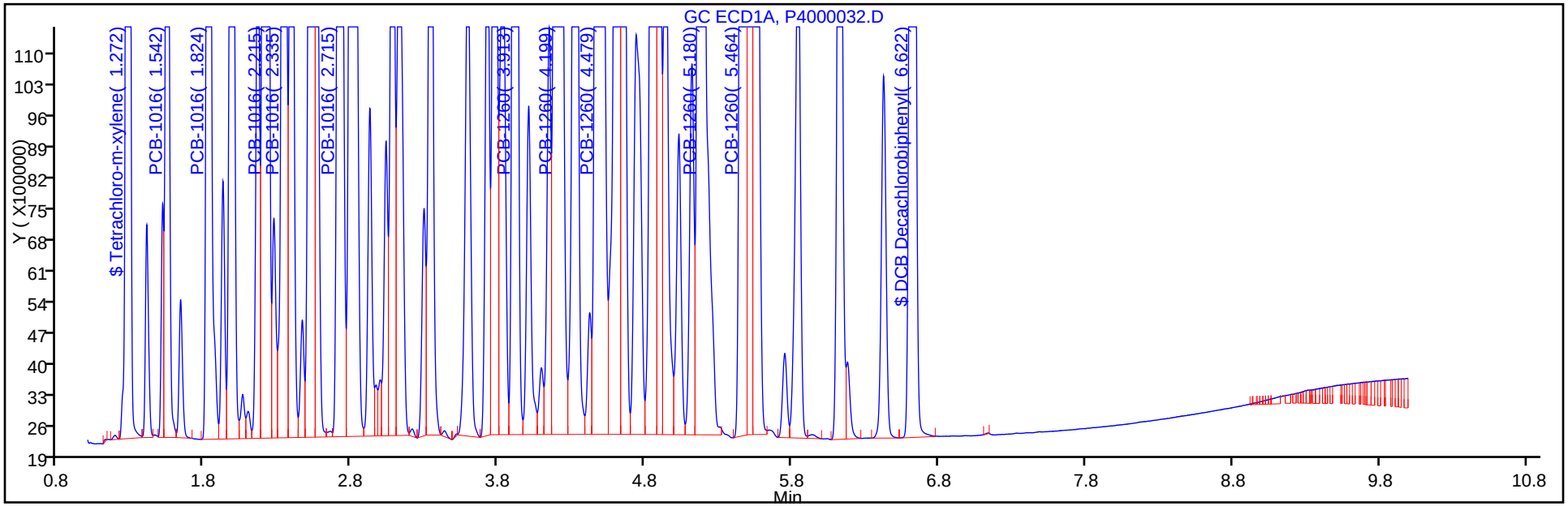
Report Date: 05-Dec-2012 06:33:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

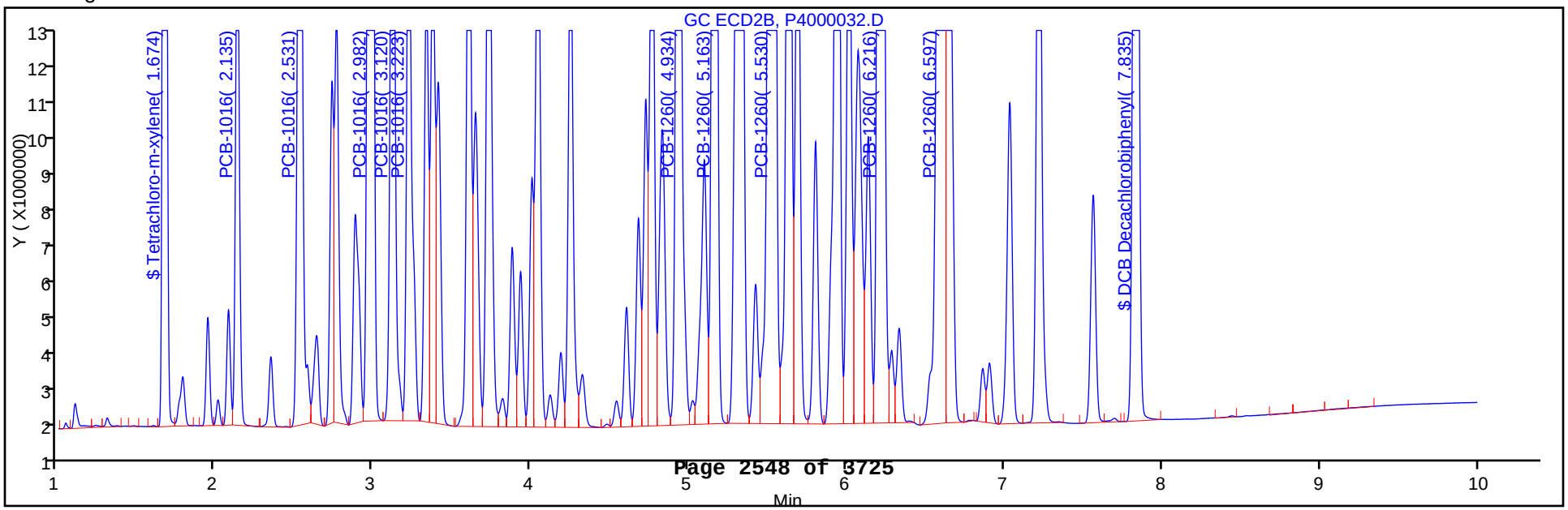
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000032.D

Injection Date:	04-Dec-2012 16:09:22	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	32
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 14:50 Calibration End Date: 12/04/2012 16:09 Calibration ID: 12593

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/27	P4000027.D
Level 2	STD01 240-67207/28	P4000028.D
Level 3	STD02 240-67207/29	P4000029.D
Level 4	STD05 240-67207/30	P4000030.D
Level 5	STD1 240-67207/31	P4000031.D
Level 6	STD2 240-67207/32	P4000032.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	2.136	2.135	2.135	2.136	2.136	2.135					2.036 - 2.236	2.136
PCB-1016 Peak 2	2.532	2.531	2.530	2.531	2.531	2.531					2.431 - 2.631	2.531
PCB-1016 Peak 3	2.981	2.981	2.980	2.981	2.982	2.982					2.881 - 3.081	2.981
PCB-1016 Peak 4	3.119	3.120	3.120	3.120	3.120	3.120					3.020 - 3.220	3.120
PCB-1016 Peak 5	3.223	3.223	3.224	3.223	3.223	3.223					3.123 - 3.323	3.223
PCB-1260 Peak 1	4.934	4.934	4.934	4.933	4.933	4.934					4.833 - 5.033	4.934
PCB-1260 Peak 2	5.163	5.162	5.162	5.162	5.161	5.163					5.062 - 5.262	5.162
PCB-1260 Peak 3	5.532	5.530	5.530	5.530	5.530	5.530					5.430 - 5.630	5.530
PCB-1260 Peak 4	6.216	6.215	6.216	6.216	6.214	6.216					6.116 - 6.316	6.216
PCB-1260 Peak 5	6.598	6.598	6.598	6.598	6.597	6.597					6.498 - 6.698	6.598
Tetrachloro-m-xylene	1.674	1.674	1.674	1.674	1.673	1.674					1.574 - 1.774	1.674
DCB Decachlorobiphenyl	7.836	7.835	7.835	7.835	7.833	7.835					7.735 - 7.935	7.835

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 14:50 Calibration End Date: 12/04/2012 16:09 Calibration ID: 12593

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/27	P4000027.D
Level 2	STD01 240-67207/28	P4000028.D
Level 3	STD02 240-67207/29	P4000029.D
Level 4	STD05 240-67207/30	P4000030.D
Level 5	STD1 240-67207/31	P4000031.D
Level 6	STD2 240-67207/32	P4000032.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	19662820 13569652	17941540 12818488	16371075	14479440	Ave		15807169.1				17.0		20.0			
PCB-1016 Peak 2	37997220 27596753	35259560 25997358	32582560	29206622	Ave		31440012.2				15.0		20.0			
PCB-1016 Peak 3	71578420 59214307	66227450 57805521	64048510	60327522	Ave		63200288.3				8.2		20.0			
PCB-1016 Peak 4	33464940 24858586	29211170 23569948	28543315	25996986	Ave		27607490.8				13.0		20.0			
PCB-1016 Peak 5	25787900 19939646	22859520 19011036	22733030	20740214	Ave		21845224.3				11.0		20.0			
PCB-1260 Peak 1	53042200 41227678	49831580 40495271	45925570	42645150	Ave		45527908.1				11.0		20.0			
PCB-1260 Peak 2	65540420 48465228	61440990 47985612	53695815	50351944	Ave		54580001.5				13.0		20.0			
PCB-1260 Peak 3	91266260 74962784	85963480 74486134	80484470	76708536	Ave		80645277.3				8.4		20.0			
PCB-1260 Peak 4	107514420 91317845	100519930 91301478	95265145	94843048	Ave		96793644.3				6.5		20.0			
PCB-1260 Peak 5	81479720 66732822	76166730 66540689	71513100	68399086	Ave		71805357.8				8.3		20.0			
Tetrachloro-m-xylene	979335600 868265900	932870800 859162900	912792600	872145440	Ave		904095540				5.2		20.0			
DCB Decachlorobiphenyl	1162892000 888628800	1077743800 869952800	1016050500	931913040	Ave		991196823				12.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 14:50 Calibration End Date: 12/04/2012 16:09 Calibration ID: 12593

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/27	P4000027.D
Level 2	STD01 240-67207/28	P4000028.D
Level 3	STD02 240-67207/29	P4000029.D
Level 4	STD05 240-67207/30	P4000030.D
Level 5	STD1 240-67207/31	P4000031.D
Level 6	STD2 240-67207/32	P4000032.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	983141 25636975	1794154	3274215	7239720	13569652	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	1899861 51994716	3525956	6516512	14603311	27596753	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	3578921 115611041	6622745	12809702	30163761	59214307	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	1673247 47139896	2921117	5708663	12998493	24858586	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	1289395 38022071	2285952	4546606	10370107	19939646	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	2652110 80990541	4983158	9185114	21322575	41227678	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	3277021 95971224	6144099	10739163	25175972	48465228	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	4563313 148972268	8596348	16096894	38354268	74962784	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	5375721 182602956	10051993	19053029	47421524	91317845	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	4073986 133081377	7616673	14302620	34199543	66732822	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	2448339 85916290	4664354	9127926	21803636	43413295	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	Ave	2907230 86995280	5388719	10160505	23297826	44431440	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000027.D
Lims ID: STD005 1660 Client ID:
Inject. Date: 04-Dec-2012 14:50:37 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015497-027
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 67207 Lims Sample ID: 27
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:53 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.272	1.271	0.001	3892513	0.002793			
2	2	1.674	1.674	0.000	2448339	0.002708			
						RPD = 3.10			
6 PCB-1016									
1	100	1.542	1.541	0.001	1537397	0.0622		100.0	
1	2	1.824	1.824	0.000	2695564	0.0611	152.4- 202.4	175.3	
1	3	2.215	2.216	-0.001	5112085	0.0560	334.6- 384.6	332.5	
1	4	2.336	2.336	0.000	2357444	0.0583	125.4- 195.4	153.3	
1	5	2.716	2.716	0.000	2360434	0.0583	136.2- 186.2	153.5	
			Average of Peak Amounts =			0.0592			
2	6	2.136	2.136	0.000	983141	0.0622		100.0	
2	7	2.532	2.531	0.001	1899861	0.0604	169.0- 229.0	193.2	
2	8	2.981	2.981	0.000	3578921	0.0566	361.2- 421.2	364.0	
2	9	3.119	3.120	-0.001	1673247	0.0606	144.4- 204.4	170.2	
2	10	3.223	3.223	0.000	1289395	0.0590	108.9- 168.9	131.2	
			Average of Peak Amounts =			0.0598			
						RPD = 1.00			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.913	3.914	-0.001	3460318	0.0583		100.0	
1	2	4.199	4.199	0.000	6162901	0.0574	156.3- 206.3	178.1	
1	3	4.480	4.479	0.001	6263965	0.0568	159.6- 209.6	181.0	
1	4	5.181	5.181	0.000	6832715	0.0548	183.4- 233.4	197.5	
1	5	5.465	5.464	0.001	3686426	0.0554	87.0- 137.0	106.5	
			Average of Peak Amounts =			0.0566			
2	6	4.934	4.933	0.001	2652110	0.0583		100.0	
2	7	5.163	5.162	0.001	3277021	0.0600	86.9- 146.9	123.6	
2	8	5.532	5.530	0.002	4563313	0.0566	145.2- 205.2	172.1	
2	9	6.216	6.216	0.000	5375721	0.0555	177.4- 237.4	202.7	
2	10	6.598	6.598	0.000	4073986	0.0567	125.7- 185.7	153.6	
			Average of Peak Amounts =			0.0574			
						RPD = 1.54			
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	3754975	0.002889			
2	2	7.836	7.835	0.001	2907230	0.002933			
						RPD = 1.52			

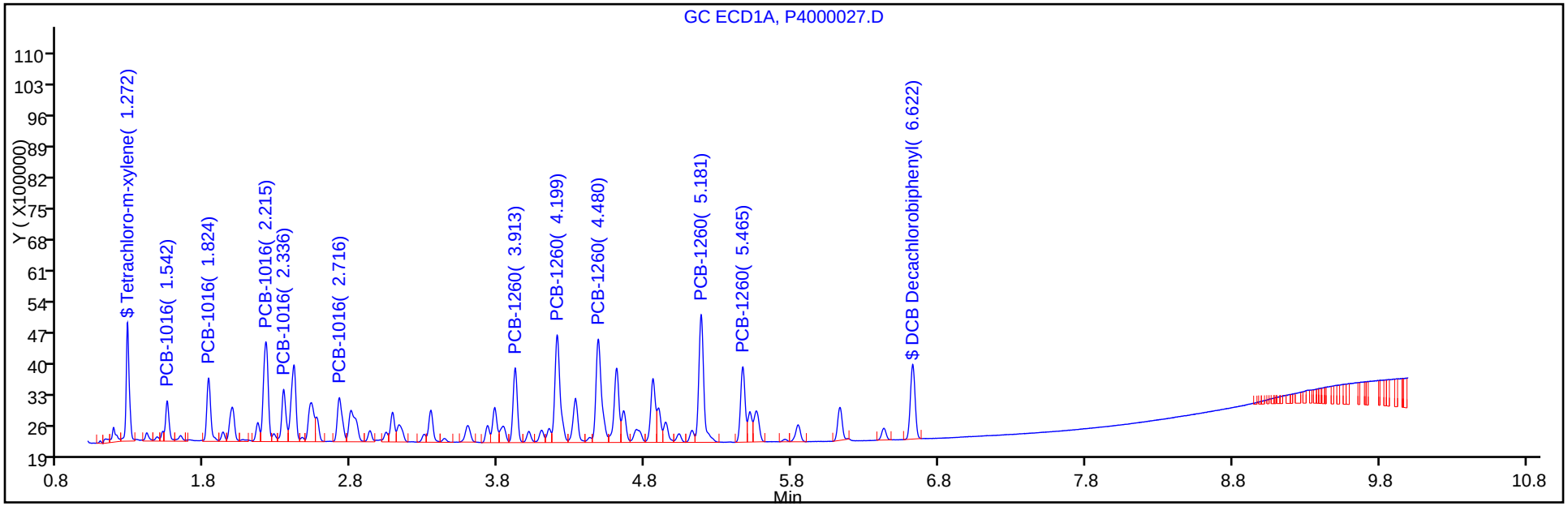
Report Date: 05-Dec-2012 06:33:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

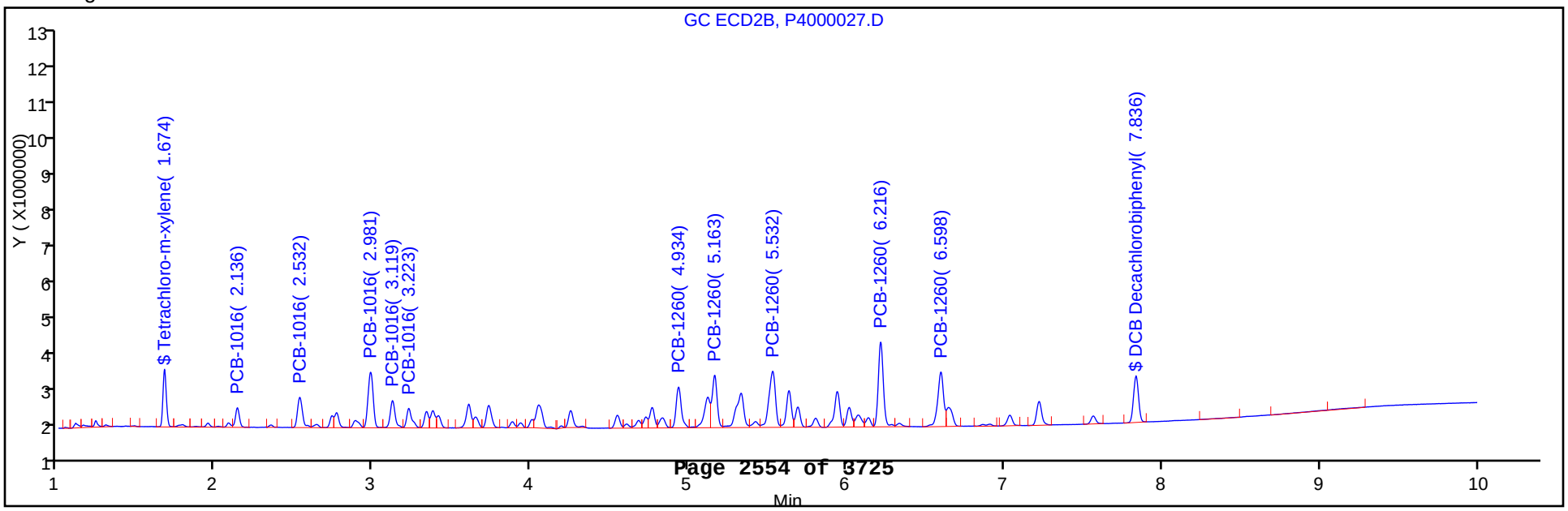
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000027.D

Injection Date:	04-Dec-2012 14:50:37	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000028.D
Lims ID: STD01 1660 Client ID:
Inject. Date: 04-Dec-2012 15:06:19 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015497-028
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 28
Lims Batch ID: 67207 Lims Sample ID: 28
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:52 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	7330981	0.005261			
2	2	1.674	1.674	0.000	4664354	0.005159			
						RPD = 1.95			
6 PCB-1016									
1	100	1.542	1.541	0.001	2772716	0.1122		100.0	
1	2	1.824	1.824	0.000	4914781	0.1113	152.4- 202.4	177.3	
1	3	2.215	2.216	-0.001	9700774	0.1063	334.6- 384.6	349.9	
1	4	2.335	2.336	-0.001	4416840	0.1092	125.4- 195.4	159.3	
1	5	2.715	2.716	-0.001	4441066	0.1096	136.2- 186.2	160.2	
			Average of Peak Amounts =			0.1098			
2	6	2.135	2.136	-0.001	1794154	0.1135		100.0	
2	7	2.531	2.531	0.000	3525956	0.1121	169.0- 229.0	196.5	
2	8	2.981	2.981	0.000	6622745	0.1048	361.2- 421.2	369.1	
2	9	3.120	3.120	0.000	2921117	0.1058	144.4- 204.4	162.8	
2	10	3.223	3.223	0.000	2285952	0.1046	108.9- 168.9	127.4	
			Average of Peak Amounts =			0.1082			
						RPD = 1.45			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.913	3.914	-0.001	6414151	0.1081		100.0	
1	2	4.199	4.199	0.000	11541666	0.1075	156.3- 206.3	179.9	
1	3	4.479	4.479	0.000	11715042	0.1062	159.6- 209.6	182.6	
1	4	5.181	5.181	0.000	13032738	0.1046	183.4- 233.4	203.2	
1	5	5.464	5.464	0.000	7035055	0.1058	87.0- 137.0	109.7	
			Average of Peak Amounts =			0.1064			
2	6	4.934	4.933	0.001	4983158	0.1095		100.0	
2	7	5.162	5.162	0.000	6144099	0.1126	86.9- 146.9	123.3	
2	8	5.530	5.530	0.000	8596348	0.1066	145.2- 205.2	172.5	
2	9	6.215	6.216	-0.001	10051993	0.1038	177.4- 237.4	201.7	
2	10	6.598	6.598	0.000	7616673	0.1061	125.7- 185.7	152.8	
			Average of Peak Amounts =			0.1077			
						RPD = 1.19			
$ 12 DCB Decachlorobiphenyl									
1	100	6.621	6.622	-0.001	6953600	0.005350			
2	2	7.835	7.835	0.000	5388719	0.005437			
						RPD = 1.61			

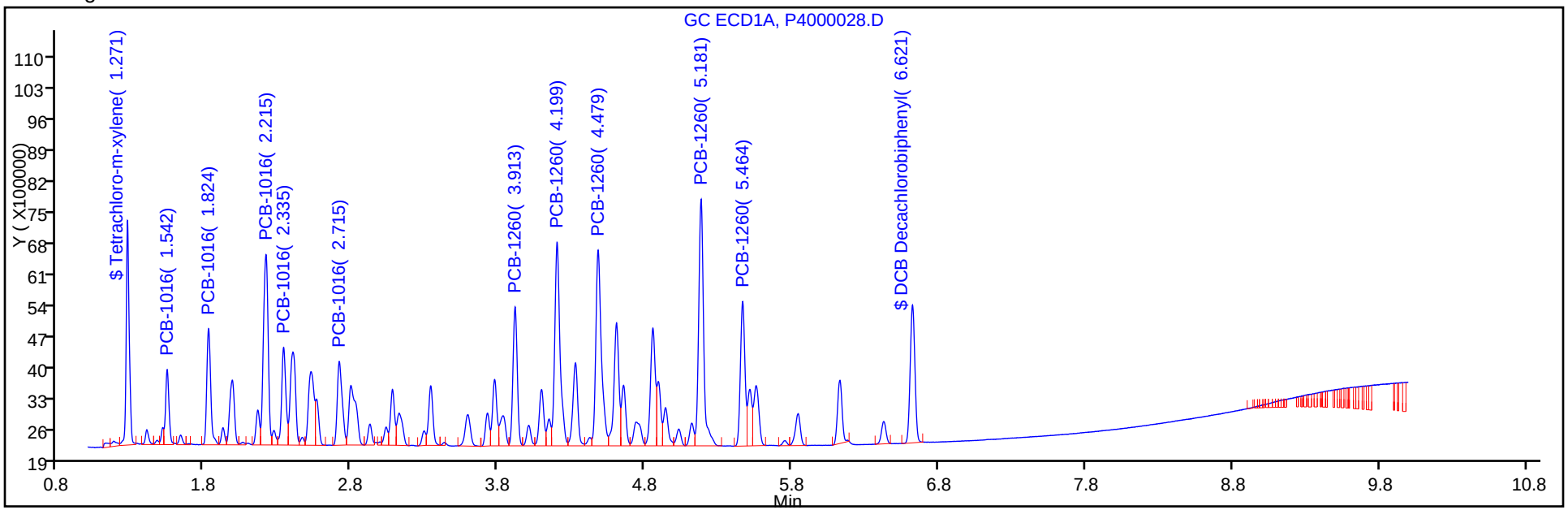
Report Date: 05-Dec-2012 06:33:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

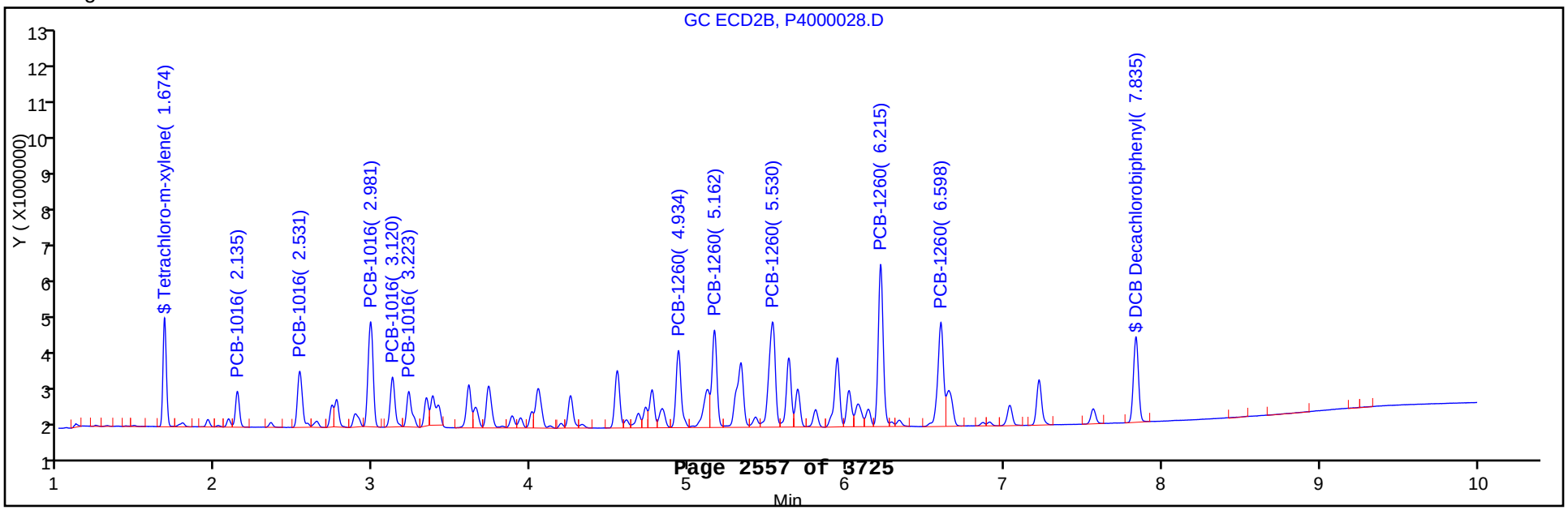
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000028.D

Injection Date:	04-Dec-2012 15:06:19	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	28
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000029.D
Lims ID: STD02 1660 Client ID:
Inject. Date: 04-Dec-2012 15:22:11 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015497-029
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 67207 Lims Sample ID: 29
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:50 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	14145934	0.0102			
2	2	1.674	1.674	0.000	9127926	0.0101			
						RPD = 0.54			
6 PCB-1016									
1	100	1.542	1.541	0.001	5117068	0.2071		100.0	
1	2	1.824	1.824	0.000	9075526	0.2056	152.4- 202.4	177.4	
1	3	2.215	2.216	-0.001	18401957	0.2017	334.6- 384.6	359.6	
1	4	2.335	2.336	-0.001	8208841	0.2030	125.4- 195.4	160.4	
1	5	2.715	2.716	-0.001	8247757	0.2036	136.2- 186.2	161.2	
			Average of Peak Amounts =			0.2042			
2	6	2.135	2.136	-0.001	3274215	0.2071		100.0	
2	7	2.530	2.531	-0.001	6516512	0.2073	169.0- 229.0	199.0	
2	8	2.980	2.981	-0.001	12809702	0.2027	361.2- 421.2	391.2	
2	9	3.120	3.120	0.000	5708663	0.2068	144.4- 204.4	174.4	
2	10	3.224	3.223	0.001	4546606	0.2081	108.9- 168.9	138.9	
			Average of Peak Amounts =			0.2064			
						RPD = 1.07			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.914	3.914	0.000	11887234	0.2003		100.0	
1	2	4.200	4.199	0.001	21547495	0.2006	156.3- 206.3	181.3	
1	3	4.480	4.479	0.001	21948313	0.1990	159.6- 209.6	184.6	
1	4	5.180	5.181	-0.001	24768319	0.1988	183.4- 233.4	208.4	
1	5	5.464	5.464	0.000	13309262	0.2001	87.0- 137.0	112.0	
			Average of Peak Amounts =			0.1998			
2	6	4.934	4.933	0.001	9185114	0.2017		100.0	
2	7	5.162	5.162	0.000	10739163	0.1968	86.9- 146.9	116.9	
2	8	5.530	5.530	0.000	16096894	0.1996	145.2- 205.2	175.2	
2	9	6.216	6.216	0.000	19053029	0.1968	177.4- 237.4	207.4	
2	10	6.598	6.598	0.000	14302620	0.1992	125.7- 185.7	155.7	
			Average of Peak Amounts =			0.1988			
						RPD = 0.48			
$ 12 DCB Decachlorobiphenyl									
1	100	6.621	6.622	-0.001	13197965	0.0102			
2	2	7.835	7.835	0.000	10160505	0.0103			
						RPD = 0.95			

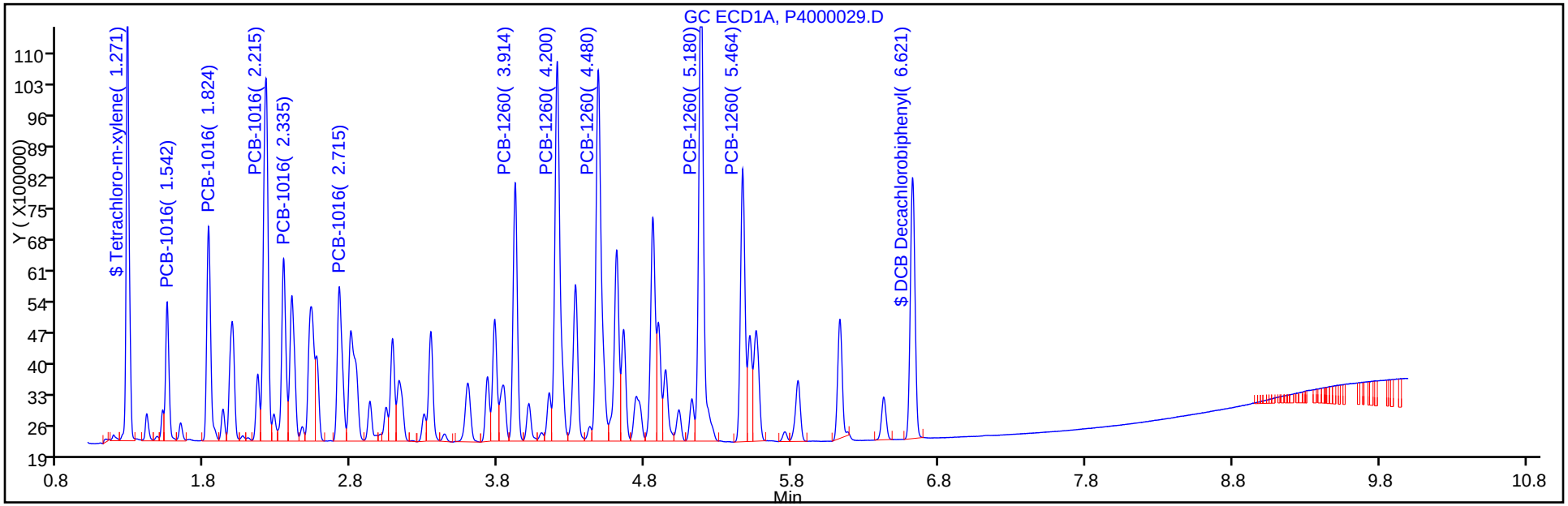
Report Date: 05-Dec-2012 06:33:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

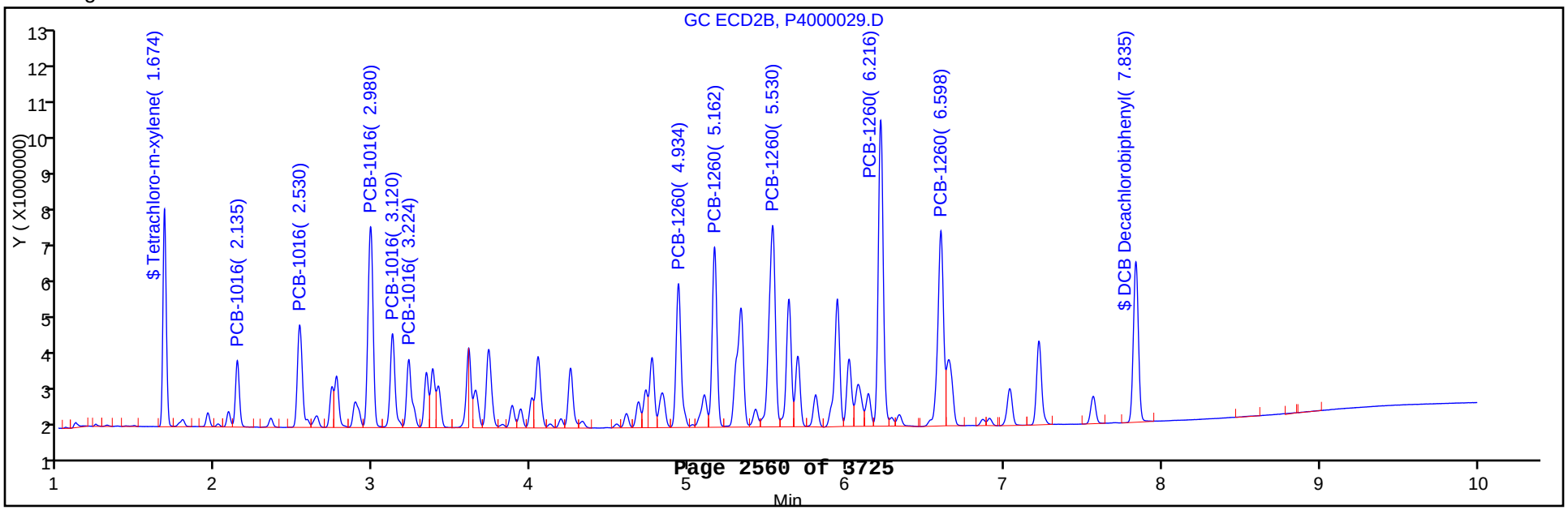
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000029.D

Injection Date:	04-Dec-2012 15:22:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000030.D
Lims ID: STD05 1660 Client ID:
Inject. Date: 04-Dec-2012 15:37:54 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 4
Sample ID: 240-0015497-030
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 67207 Lims Sample ID: 30
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:49 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	33509695	0.0240			
2	2	1.674	1.674	0.000	21803636	0.0241			
						RPD = 0.29			
6 PCB-1016									
1	100	1.541	1.541	0.000	11273711	0.4564		100.0	
1	2	1.824	1.824	0.000	20454363	0.4633	152.4- 202.4	181.4	
1	3	2.216	2.216	0.000	43517484	0.4770	334.6- 384.6	386.0	
1	4	2.336	2.336	0.000	18937216	0.4683	125.4- 195.4	168.0	
1	5	2.716	2.716	0.000	19041548	0.4701	136.2- 186.2	168.9	
			Average of Peak Amounts =			0.4670			
2	6	2.136	2.136	0.000	7239720	0.4580		100.0	
2	7	2.531	2.531	0.000	14603311	0.4645	169.0- 229.0	201.7	
2	8	2.981	2.981	0.000	30163761	0.4773	361.2- 421.2	416.6	
2	9	3.120	3.120	0.000	12998493	0.4708	144.4- 204.4	179.5	
2	10	3.223	3.223	0.000	10370107	0.4747	108.9- 168.9	143.2	
			Average of Peak Amounts =			0.4691			
						RPD = 0.43			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.914	3.914	0.000	28122255	0.4739		100.0	
1	2	4.199	4.199	0.000	51273884	0.4774	156.3- 206.3	182.3	
1	3	4.479	4.479	0.000	52765478	0.4785	159.6- 209.6	187.6	
1	4	5.181	5.181	0.000	60590037	0.4863	183.4- 233.4	215.5	
1	5	5.464	5.464	0.000	31974754	0.4808	87.0- 137.0	113.7	
			Average of Peak Amounts =			0.4794			
2	6	4.933	4.933	0.000	21322575	0.4683		100.0	
2	7	5.162	5.162	0.000	25175972	0.4613	86.9- 146.9	118.1	
2	8	5.530	5.530	0.000	38354268	0.4756	145.2- 205.2	179.9	
2	9	6.216	6.216	0.000	47421524	0.4899	177.4- 237.4	222.4	
2	10	6.598	6.598	0.000	34199543	0.4763	125.7- 185.7	160.4	
			Average of Peak Amounts =			0.4743			
						RPD = 1.07			
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	30832136	0.0237			
2	2	7.835	7.835	0.000	23297826	0.0235			
						RPD = 0.92			

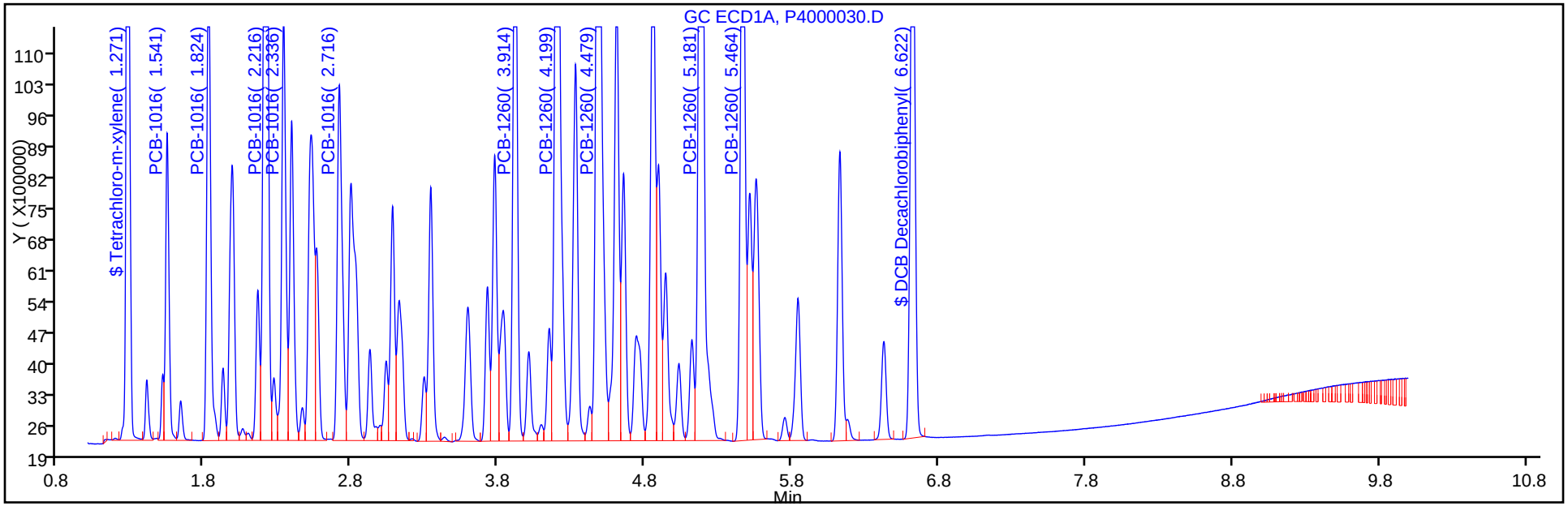
Report Date: 05-Dec-2012 06:33:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

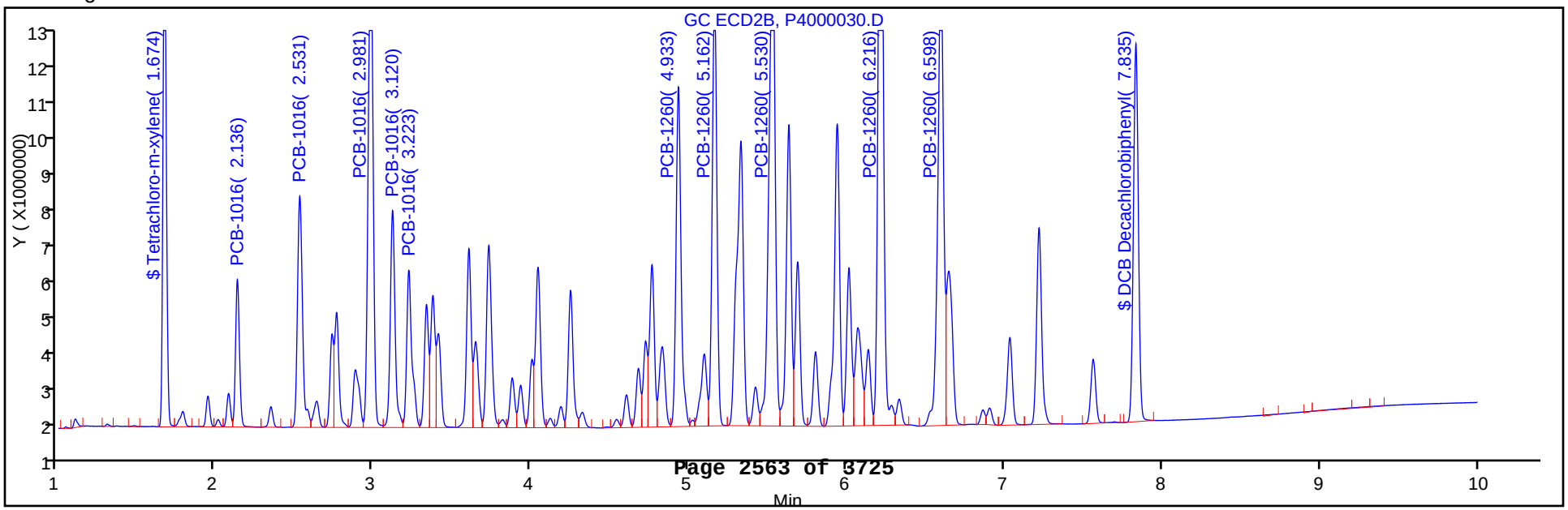
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000030.D

Injection Date:	04-Dec-2012 15:37:54	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000031.D
Lims ID: STD1 1660 Client ID:
Inject. Date: 04-Dec-2012 15:53:40 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015497-031
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 31
Lims Batch ID: 67207 Lims Sample ID: 31
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:47 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.272	1.271	0.001	65797155	0.0472			
2	2	1.673	1.674	-0.001	43413295	0.0480			
						RPD = 1.68			
6 PCB-1016									
1	100	1.542	1.541	0.001	21328587	0.8634		100.0	
1	2	1.824	1.824	0.000	38818543	0.8792	152.4- 202.4	182.0	
1	3	2.215	2.216	-0.001	85671242	0.9391	334.6- 384.6	401.7	
1	4	2.336	2.336	0.000	36665502	0.9067	125.4- 195.4	171.9	
1	5	2.714	2.716	-0.002	36479931	0.9007	136.2- 186.2	171.0	
			Average of Peak Amounts =			0.8978			
2	6	2.136	2.136	0.000	13569652	0.8584		100.0	
2	7	2.531	2.531	0.000	27596753	0.8778	169.0- 229.0	203.4	
2	8	2.982	2.981	0.001	59214307	0.9369	361.2- 421.2	436.4	
2	9	3.120	3.120	0.000	24858586	0.9004	144.4- 204.4	183.2	
2	10	3.223	3.223	0.000	19939646	0.9128	108.9- 168.9	146.9	
			Average of Peak Amounts =			0.8973			
						RPD = 0.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.913	3.914	-0.001	54069980	0.9111		100.0	
1	2	4.199	4.199	0.000	98843004	0.9204	156.3- 206.3	182.8	
1	3	4.479	4.479	0.000	102731375	0.9316	159.6- 209.6	190.0	
1	4	5.180	5.181	-0.001	118290242	0.9494	183.4- 233.4	218.8	
1	5	5.465	5.464	0.001	62439749	0.9388	87.0- 137.0	115.5	
			Average of Peak Amounts =			0.9303			
2	6	4.933	4.933	0.000	41227678	0.9055		100.0	
2	7	5.161	5.162	-0.001	48465228	0.8880	86.9- 146.9	117.6	
2	8	5.530	5.530	0.000	74962784	0.9295	145.2- 205.2	181.8	
2	9	6.214	6.216	-0.002	91317845	0.9434	177.4- 237.4	221.5	
2	10	6.597	6.598	-0.001	66732822	0.9294	125.7- 185.7	161.9	
			Average of Peak Amounts =			0.9192			
						RPD = 1.20			
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	59399766	0.0457			
2	2	7.833	7.835	-0.002	44431440	0.0448			
						RPD = 1.93			

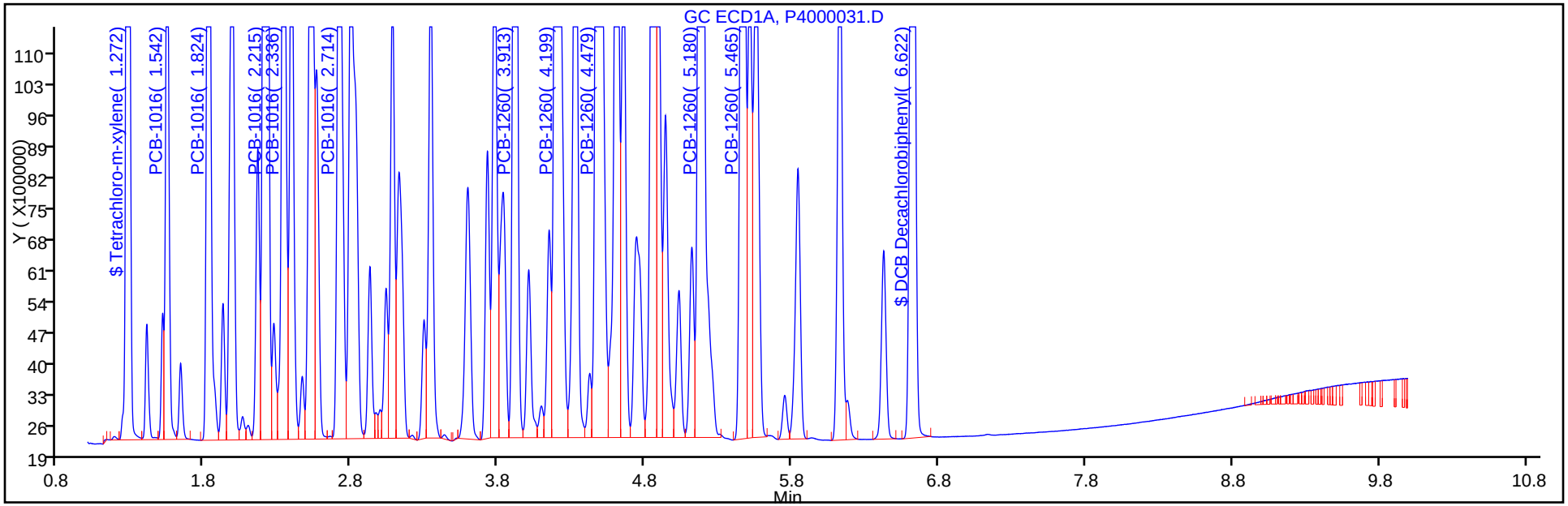
Report Date: 05-Dec-2012 06:33:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

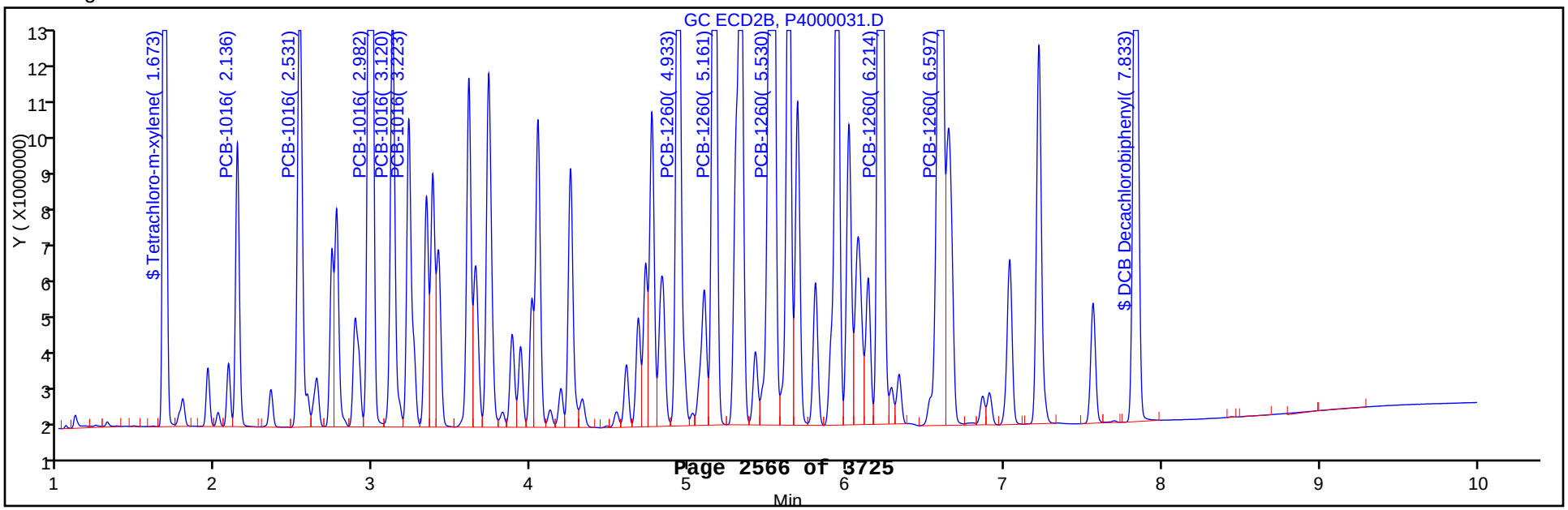
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000031.D

Injection Date:	04-Dec-2012 15:53:40	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	31
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000032.D
Lims ID: STD2 1660 Client ID:
Inject. Date: 04-Dec-2012 16:09:22 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015497-032
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 67207 Lims Sample ID: 32
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:45 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.272	1.271	0.001	126702620	0.0909			
2	2	1.674	1.674	0.000	85916290	0.0950			
						RPD = 4.42			
6 PCB-1016									
1	100	1.542	1.541	0.001	40557501	1.64		100.0	
1	2	1.824	1.824	0.000	73495820	1.66	152.4- 202.4	181.2	
1	3	2.215	2.216	-0.001	166752099	1.83	334.6- 384.6	411.1	
1	4	2.335	2.336	-0.001	71433349	1.77	125.4- 195.4	176.1	
1	5	2.715	2.716	-0.001	71201223	1.76	136.2- 186.2	175.6	
			Average of Peak Amounts =			1.73			
2	6	2.135	2.136	-0.001	25636975	1.62		100.0	
2	7	2.531	2.531	0.000	51994716	1.65	169.0- 229.0	202.8	
2	8	2.982	2.981	0.001	115611041	1.83	361.2- 421.2	451.0	
2	9	3.120	3.120	0.000	47139896	1.71	144.4- 204.4	183.9	
2	10	3.223	3.223	0.000	38022071	1.74	108.9- 168.9	148.3	
			Average of Peak Amounts =			1.71			
						RPD = 1.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.913	3.914	-0.001	105923246	1.78		100.0	
1	2	4.199	4.199	0.000	193159768	1.80	156.3- 206.3	182.4	
1	3	4.479	4.479	0.000	202412577	1.84	159.6- 209.6	191.1	
1	4	5.180	5.181	-0.001	234552281	1.88	183.4- 233.4	221.4	
1	5	5.464	5.464	0.000	124080930	1.87	87.0- 137.0	117.1	
			Average of Peak Amounts =			1.83			
2	6	4.934	4.933	0.001	80990541	1.78		100.0	
2	7	5.163	5.162	0.001	95971224	1.76	86.9- 146.9	118.5	
2	8	5.530	5.530	0.000	148972268	1.85	145.2- 205.2	183.9	
2	9	6.216	6.216	0.000	182602956	1.89	177.4- 237.4	225.5	
2	10	6.597	6.598	-0.001	133081377	1.85	125.7- 185.7	164.3	
			Average of Peak Amounts =			1.82			
						RPD = 0.47			
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	116494284	0.0896			
2	2	7.835	7.835	0.000	86995280	0.0878			
						RPD = 2.09			

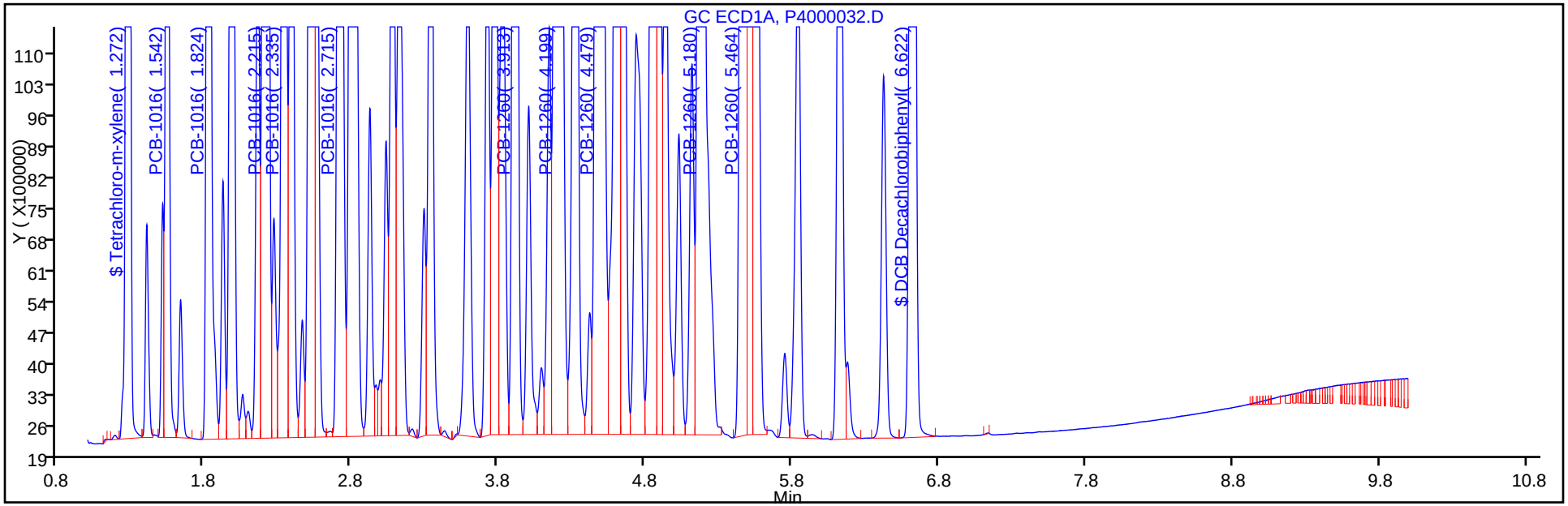
Report Date: 05-Dec-2012 06:33:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

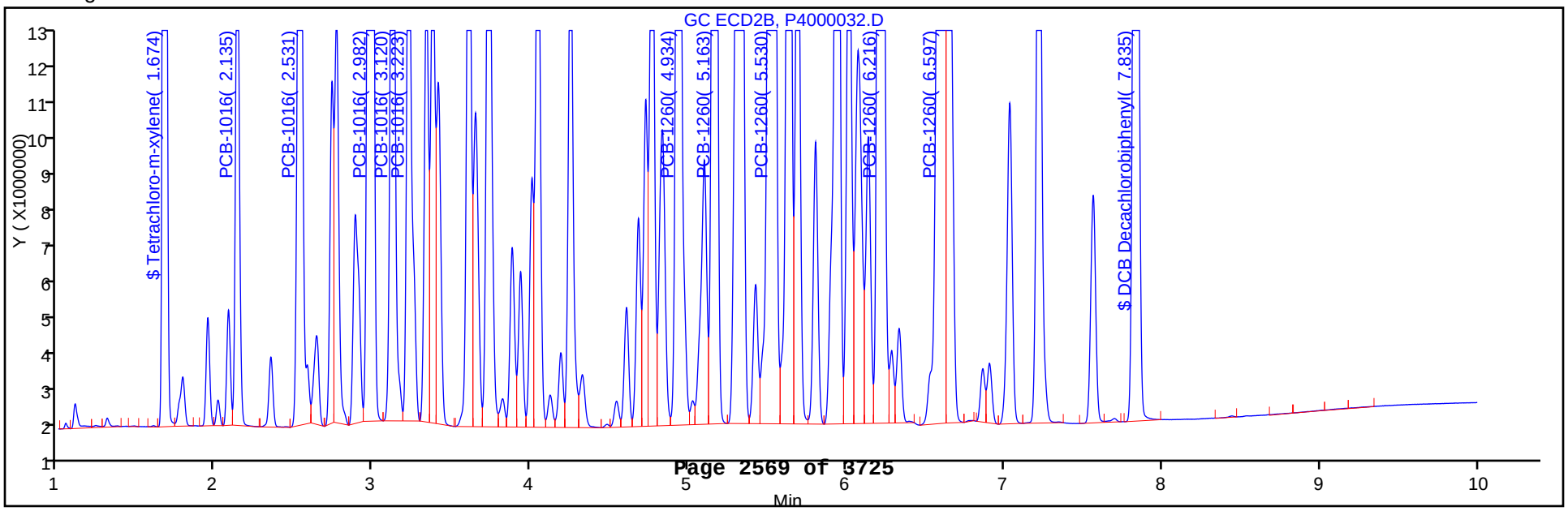
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000032.D

Injection Date:	04-Dec-2012 16:09:22	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	32
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 17:59 Calibration End Date: 12/04/2012 19:18 Calibration ID: 12604

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/39	P4000039.D
Level 2	STD01 240-67207/40	P4000040.D
Level 3	STD02 240-67207/41	P4000041.D
Level 4	STD05 240-67207/42	P4000042.D
Level 5	STD1 240-67207/43	P4000043.D
Level 6	STD2 240-67207/44	P4000044.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1268 Peak 1	5.515	5.514	5.515	5.514	5.514	5.513					5.415 - 5.615	5.514
PCB-1268 Peak 2	5.550	5.551	5.551	5.550	5.551	5.552					5.450 - 5.650	5.551
PCB-1268 Peak 3	5.752	5.751	5.751	5.750	5.751	5.750					5.652 - 5.852	5.751
PCB-1268 Peak 4	6.126	6.126	6.126	6.126	6.125	6.126					6.026 - 6.226	6.126
PCB-1268 Peak 5	6.425	6.425	6.426	6.425	6.426	6.426					6.325 - 6.525	6.426

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 17:59 Calibration End Date: 12/04/2012 19:18 Calibration ID: 12604

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/39	P4000039.D
Level 2	STD01 240-67207/40	P4000040.D
Level 3	STD02 240-67207/41	P4000041.D
Level 4	STD05 240-67207/42	P4000042.D
Level 5	STD1 240-67207/43	P4000043.D
Level 6	STD2 240-67207/44	P4000044.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1268 Peak 1	203831520 164795292	173575450 160590651	176210330	167391688	Ave		174399155				8.9		20.0			
PCB-1268 Peak 2	187814320 157114650	162697790 153822251	168308645	163187056	Ave		165490785				7.3		20.0			
PCB-1268 Peak 3	165765220 134259272	141120420 131787380	143912885	137755140	Ave		142433386				8.6		20.0			
PCB-1268 Peak 4	73704640 57121192	62229400 56581666	62670625	59279916	Ave		61931239.8				10.0		20.0			
PCB-1268 Peak 5	519695680 437278320	452702010 432383175	468092145	449418784	Ave		459928352				6.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 17:59 Calibration End Date: 12/04/2012 19:18 Calibration ID: 12604

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/39	P4000039.D
Level 2	STD01 240-67207/40	P4000040.D
Level 3	STD02 240-67207/41	P4000041.D
Level 4	STD05 240-67207/42	P4000042.D
Level 5	STD1 240-67207/43	P4000043.D
Level 6	STD2 240-67207/44	P4000044.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1268 Peak 1	Ave	10191576 321181301	17357545	35242066	83695844	164795292	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 2	Ave	9390716 307644501	16269779	33661729	81593528	157114650	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 3	Ave	8288261 263574759	14112042	28782577	68877570	134259272	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 4	Ave	3685232 113163331	6222940	12534125	29639958	57121192	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 5	Ave	25984784 864766350	45270201	93618429	224709392	437278320	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000039.D
Lims ID: STD005 1268 Client ID:
Inject. Date: 04-Dec-2012 17:59:38 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015497-039
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 39
Lims Batch ID: 67207 Lims Sample ID: 39
Sublist: chrom-PCB4*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:35 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 PCB-1268									
1	100	5.515	5.515	0.000	10191576	0.0584		100.0	
1	2	5.550	5.550	0.000	9390716	0.0567	70.5- 120.5	92.1	
1	3	5.752	5.752	0.000	8288261	0.0582	56.7- 106.7	81.3	
1	4	6.126	6.126	0.000	3685232	0.0595	10.6- 60.6	36.2	
1	5	6.425	6.425	0.000	25984784	0.0565	240.6- 290.6	255.0	
			Average of Peak Amounts =			0.0579			
2	6	6.593	6.593	0.000	8884524	0.0586		100.0	
2	7	6.641	6.641	0.000	8096908	0.0576	63.8- 123.8	91.1	
2	8	6.905	6.905	0.000	7252216	0.0583	52.4- 112.4	81.6	
2	9	7.219	7.219	0.000	3099184	0.0600	4.4- 64.4	34.9	
2	10	7.563	7.563	0.000	20341532	0.0562	209.7- 269.7	229.0	
			Average of Peak Amounts =			0.0581			
						RPD = 0.45			

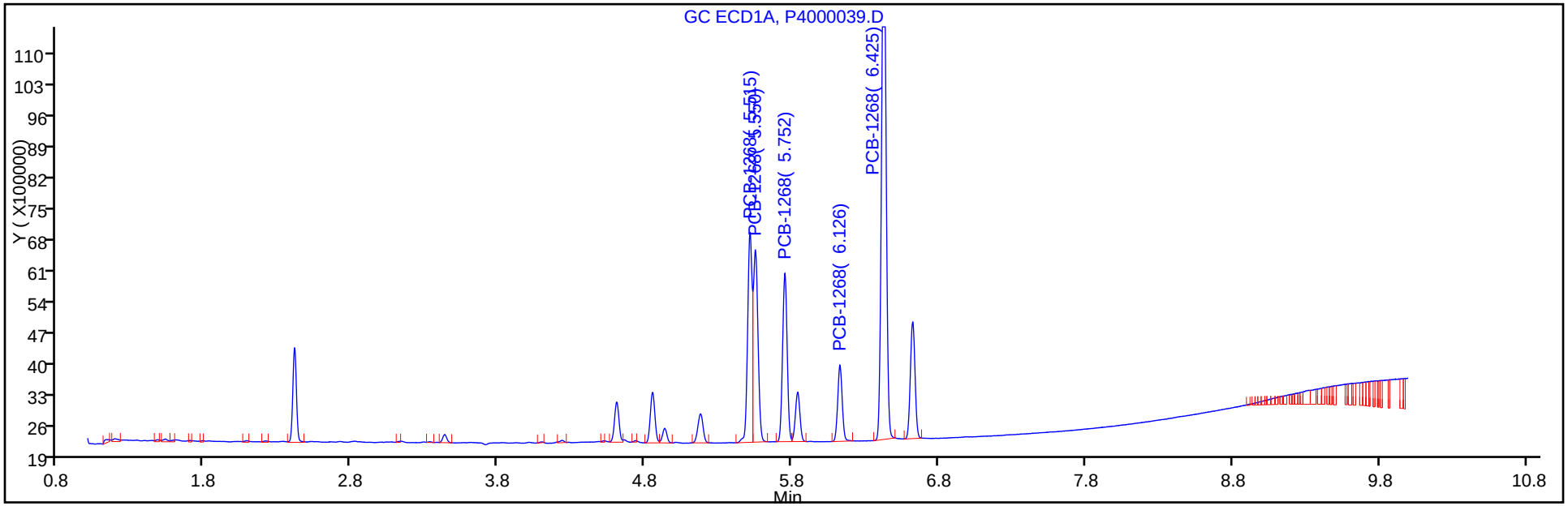
Report Date: 05-Dec-2012 06:33:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

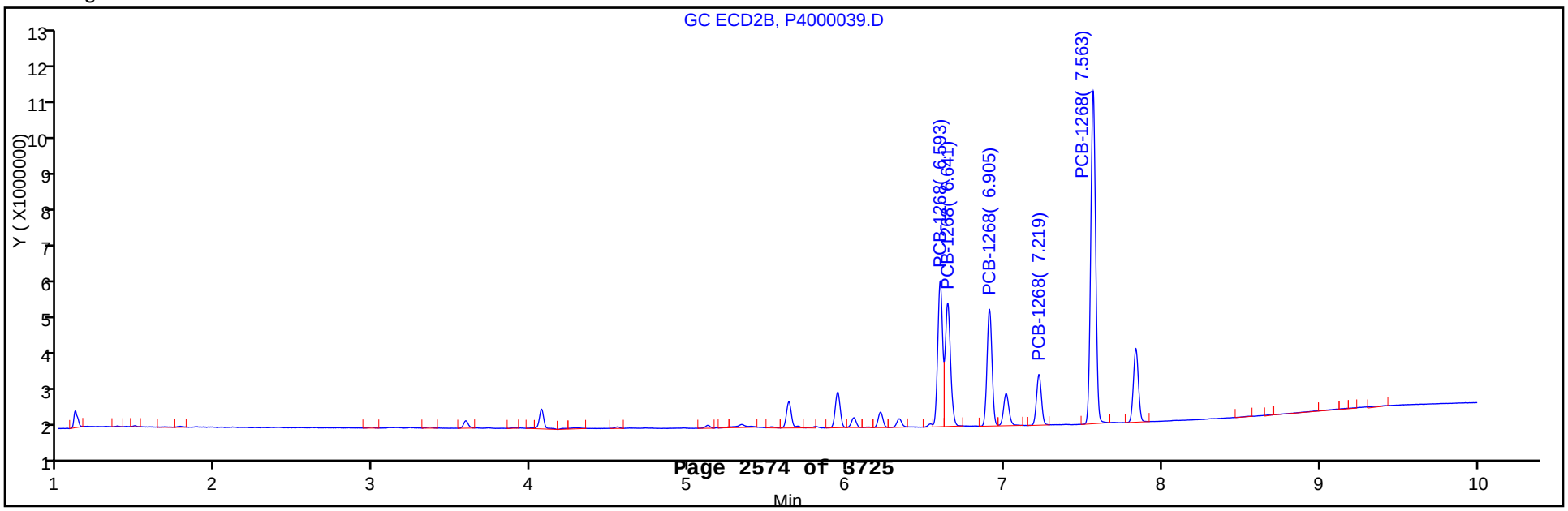
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000039.D

Injection Date:	04-Dec-2012 17:59:38	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	39
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000040.D
Lims ID: STD01 1268 Client ID:
Inject. Date: 04-Dec-2012 18:15:20 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015497-040
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 40
Lims Batch ID: 67207 Lims Sample ID: 40
Sublist: chrom-PCB4*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:34 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 PCB-1268									
1	100	5.514	5.515	-0.001	17357545	0.0995		100.0	
1	2	5.551	5.550	0.001	16269779	0.0983	70.5- 120.5	93.7	
1	3	5.751	5.752	-0.001	14112042	0.0991	56.7- 106.7	81.3	
1	4	6.126	6.126	0.000	6222940	0.1005	10.6- 60.6	35.9	
1	5	6.425	6.425	0.000	45270201	0.0984	240.6- 290.6	260.8	
			Average of Peak Amounts =			0.0992			
2	6	6.594	6.593	0.001	14945896	0.0986		100.0	
2	7	6.642	6.641	0.001	13964034	0.0993	63.8- 123.8	93.4	
2	8	6.907	6.905	0.002	12330404	0.0991	52.4- 112.4	82.5	
2	9	7.220	7.219	0.001	5234314	0.1013	4.4- 64.4	35.0	
2	10	7.564	7.563	0.001	35155720	0.0971	209.7- 269.7	235.2	
			Average of Peak Amounts =			0.0991			
						RPD = 0.08			

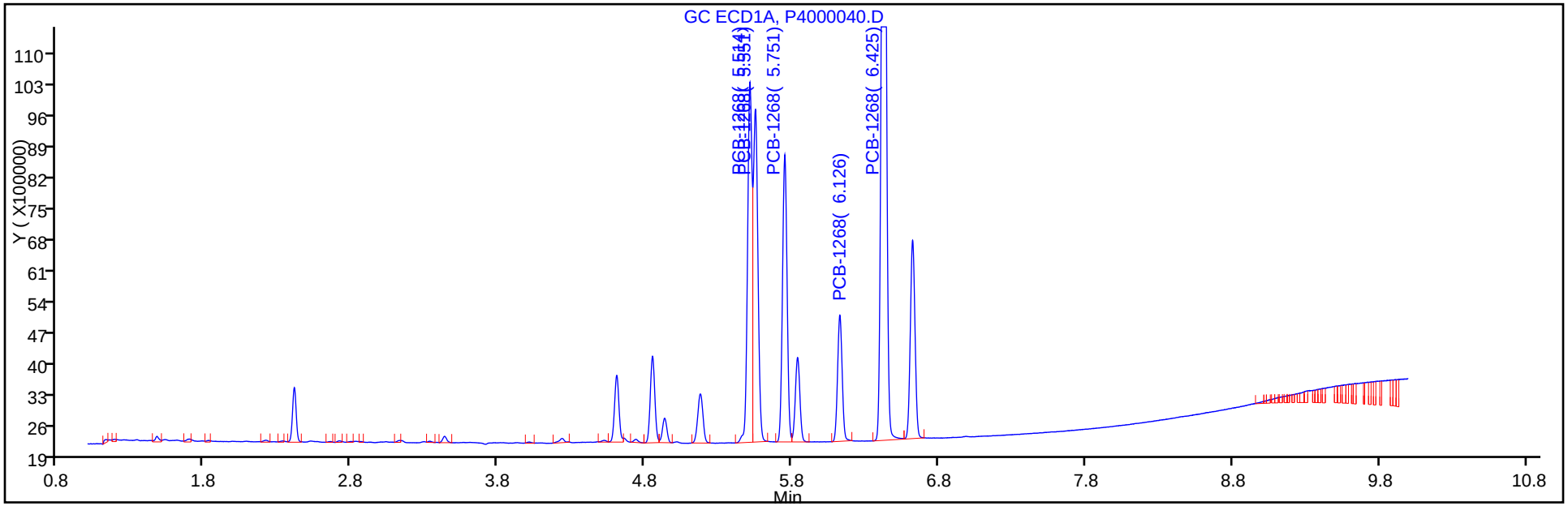
Report Date: 05-Dec-2012 06:33:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

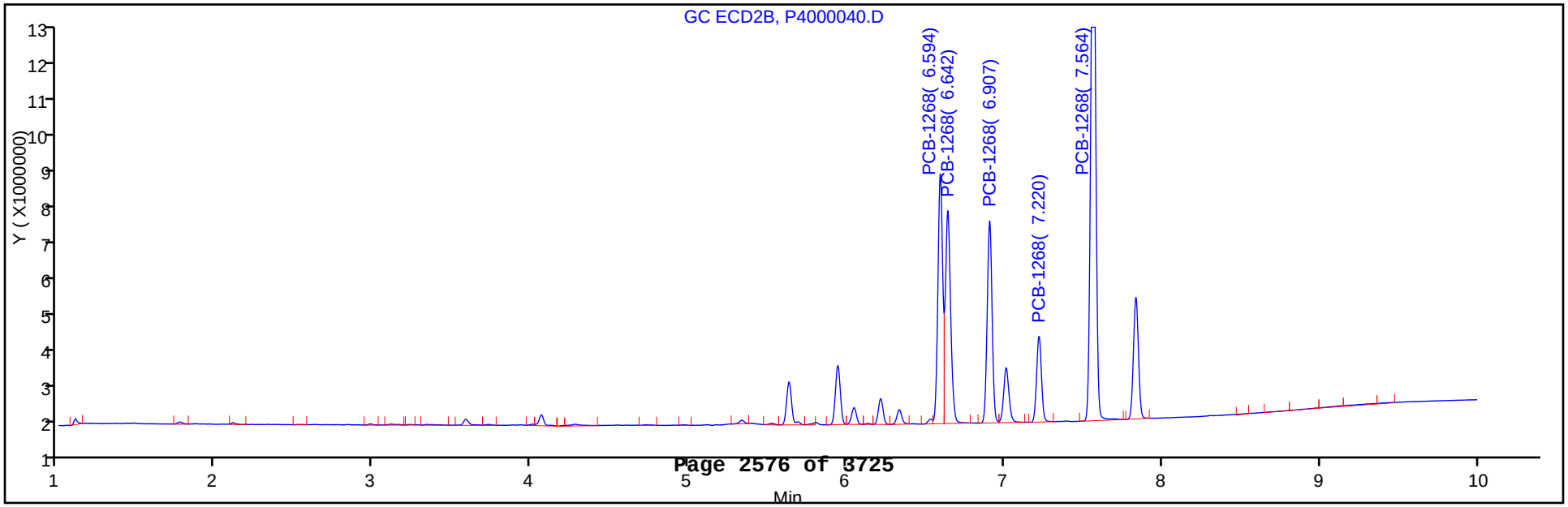
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000040.D

Injection Date:	04-Dec-2012 18:15:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	40
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000041.D
Lims ID: STD02 1268 Client ID:
Inject. Date: 04-Dec-2012 18:31:11 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015497-041
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 41
Lims Batch ID: 67207 Lims Sample ID: 41
Sublist: chrom-PCB4*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:32 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 PCB-1268									
1	100	5.515	5.515	0.000	35242066	0.2021		100.0	
1	2	5.551	5.550	0.001	33661729	0.2034	70.5- 120.5	95.5	
1	3	5.751	5.752	-0.001	28782577	0.2021	56.7- 106.7	81.7	
1	4	6.126	6.126	0.000	12534125	0.2024	10.6- 60.6	35.6	
1	5	6.426	6.425	0.001	93618429	0.2036	240.6- 290.6	265.6	
			Average of Peak Amounts =			0.2027			
2	6	6.595	6.593	0.002	30289490	0.1998		100.0	
2	7	6.642	6.641	0.001	28410464	0.2021	63.8- 123.8	93.8	
2	8	6.907	6.905	0.002	24968995	0.2006	52.4- 112.4	82.4	
2	9	7.221	7.219	0.002	10417123	0.2017	4.4- 64.4	34.4	
2	10	7.564	7.563	0.001	72604946	0.2006	209.7- 269.7	239.7	
			Average of Peak Amounts =			0.2010			
						RPD = 0.86			

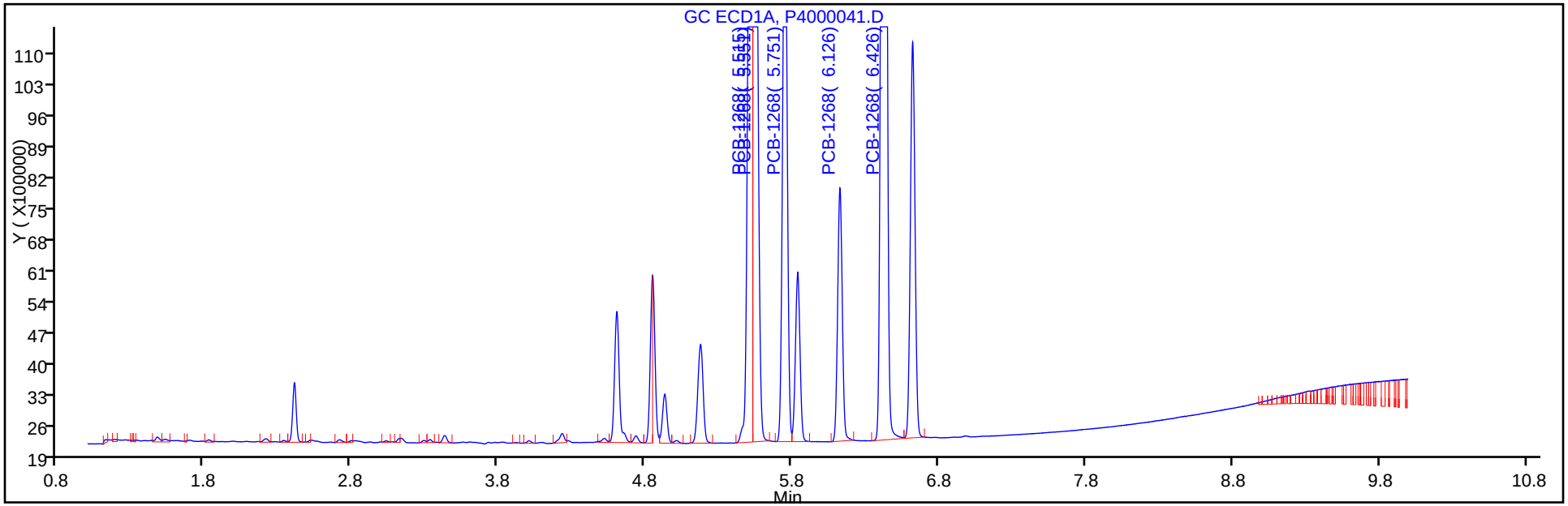
Report Date: 05-Dec-2012 06:33:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

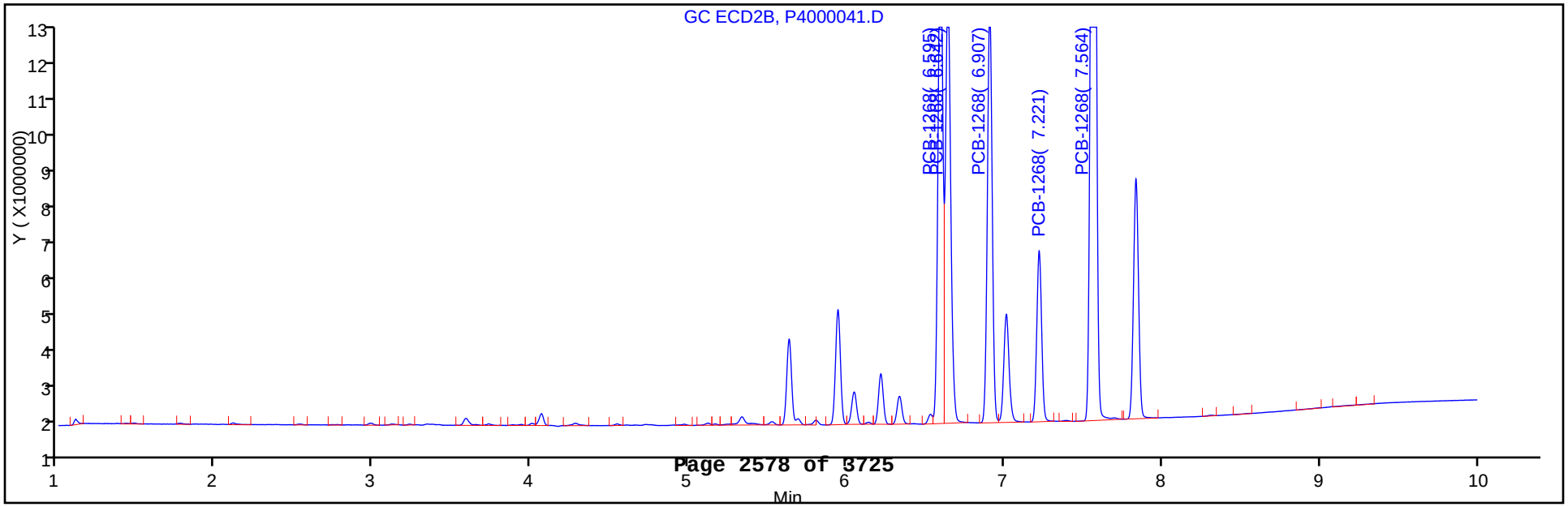
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000041.D

Injection Date:	04-Dec-2012 18:31:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	41
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000042.D
Lims ID: STD05 1268 Client ID:
Inject. Date: 04-Dec-2012 18:46:55 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015497-042
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 42
Lims Batch ID: 67207 Lims Sample ID: 42
Sublist: chrom-PCB4*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:31 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 PCB-1268									
1	100	5.514	5.515	-0.001	83695844	0.4799		100.0	
1	2	5.550	5.550	0.000	81593528	0.4930	70.5- 120.5	97.5	
1	3	5.750	5.752	-0.002	68877570	0.4836	56.7- 106.7	82.3	
1	4	6.126	6.126	0.000	29639958	0.4786	10.6- 60.6	35.4	
1	5	6.425	6.425	0.000	224709392	0.4886	240.6- 290.6	268.5	
			Average of Peak Amounts =			0.4847			
2	6	6.594	6.593	0.001	72965141	0.4812		100.0	
2	7	6.641	6.641	0.000	67794488	0.4822	63.8- 123.8	92.9	
2	8	6.907	6.905	0.002	59681172	0.4795	52.4- 112.4	81.8	
2	9	7.220	7.219	0.001	24518228	0.4747	4.4- 64.4	33.6	
2	10	7.564	7.563	0.001	175925991	0.4861	209.7- 269.7	241.1	
			Average of Peak Amounts =			0.4808			
						RPD = 0.83			

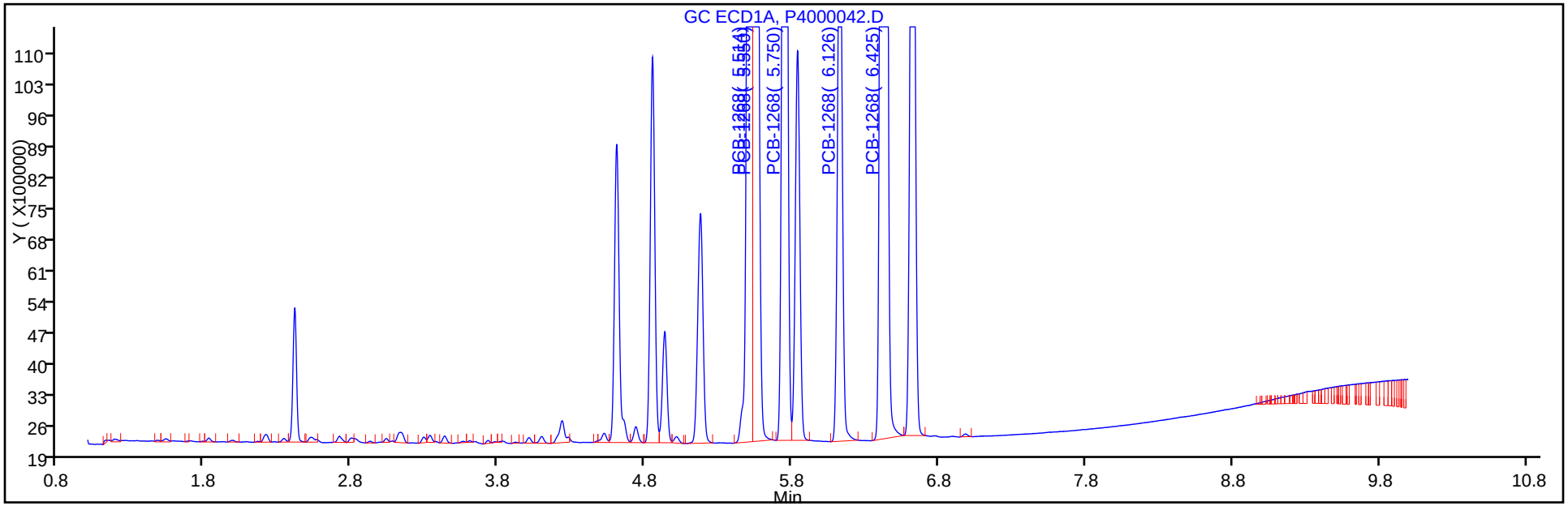
Report Date: 05-Dec-2012 06:33:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

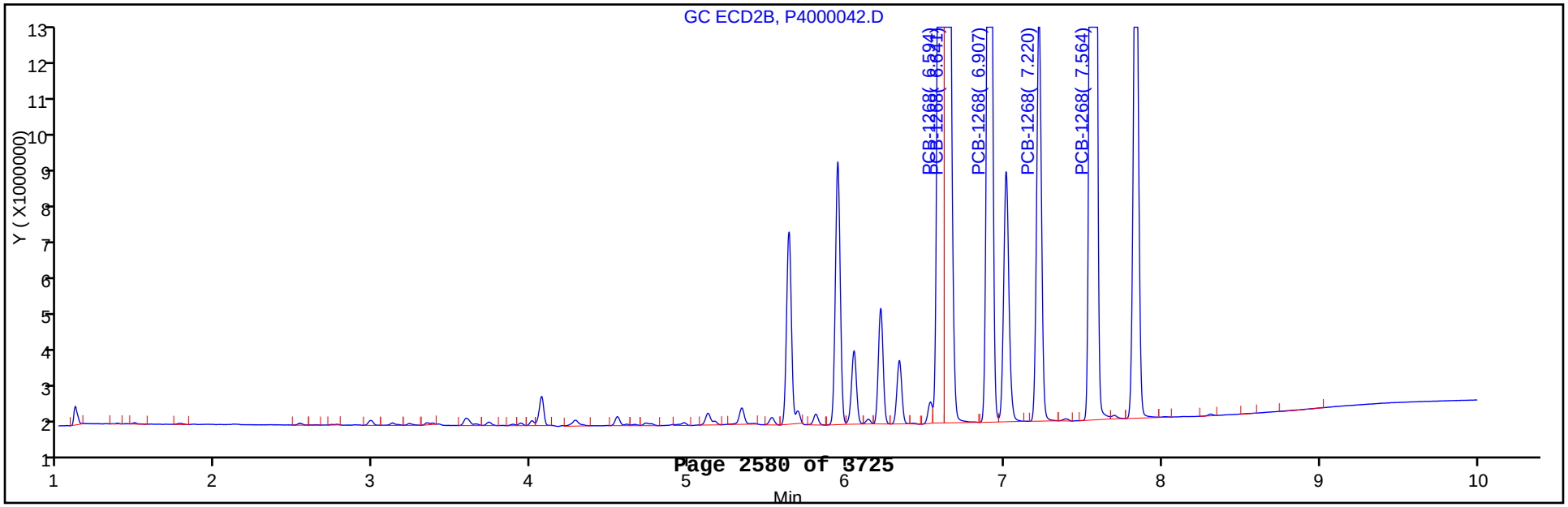
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000042.D

Injection Date:	04-Dec-2012 18:46:55	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	42
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000043.D
Lims ID: STD1 1268 Client ID:
Inject. Date: 04-Dec-2012 19:02:40 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015497-043
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 43
Lims Batch ID: 67207 Lims Sample ID: 43
Sublist: chrom-PCB4*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:29 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 PCB-1268									
1	100	5.514	5.515	-0.001	164795292	0.9449		100.0	
1	2	5.551	5.550	0.001	157114650	0.9494	70.5- 120.5	95.3	
1	3	5.751	5.752	-0.001	134259272	0.9426	56.7- 106.7	81.5	
1	4	6.125	6.126	-0.001	57121192	0.9223	10.6- 60.6	34.7	
1	5	6.426	6.425	0.001	437278320	0.9508	240.6- 290.6	265.3	
			Average of Peak Amounts =			0.9420			
2	6	6.595	6.593	0.002	143549085	0.9467		100.0	
2	7	6.642	6.641	0.001	132434318	0.9420	63.8- 123.8	92.3	
2	8	6.908	6.905	0.003	117448406	0.9437	52.4- 112.4	81.8	
2	9	7.220	7.219	0.001	47285136	0.9156	4.4- 64.4	32.9	
2	10	7.565	7.563	0.002	346578883	0.9576	209.7- 269.7	241.4	
			Average of Peak Amounts =			0.9411			
						RPD = 0.09			

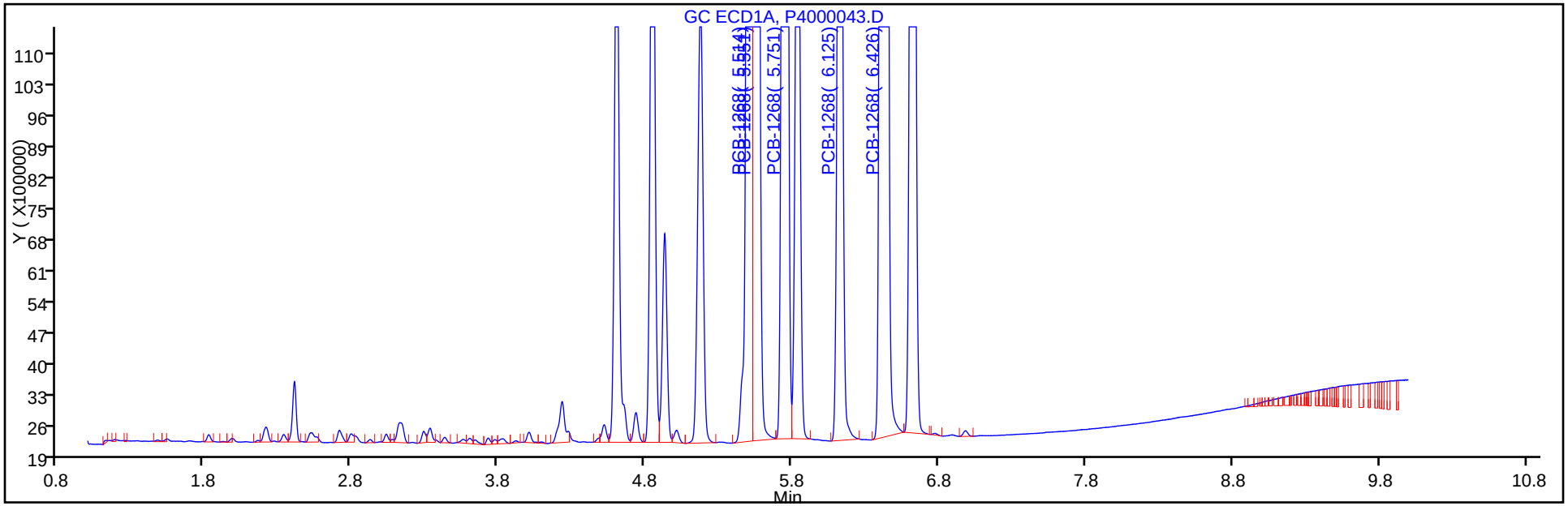
Report Date: 05-Dec-2012 06:33:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

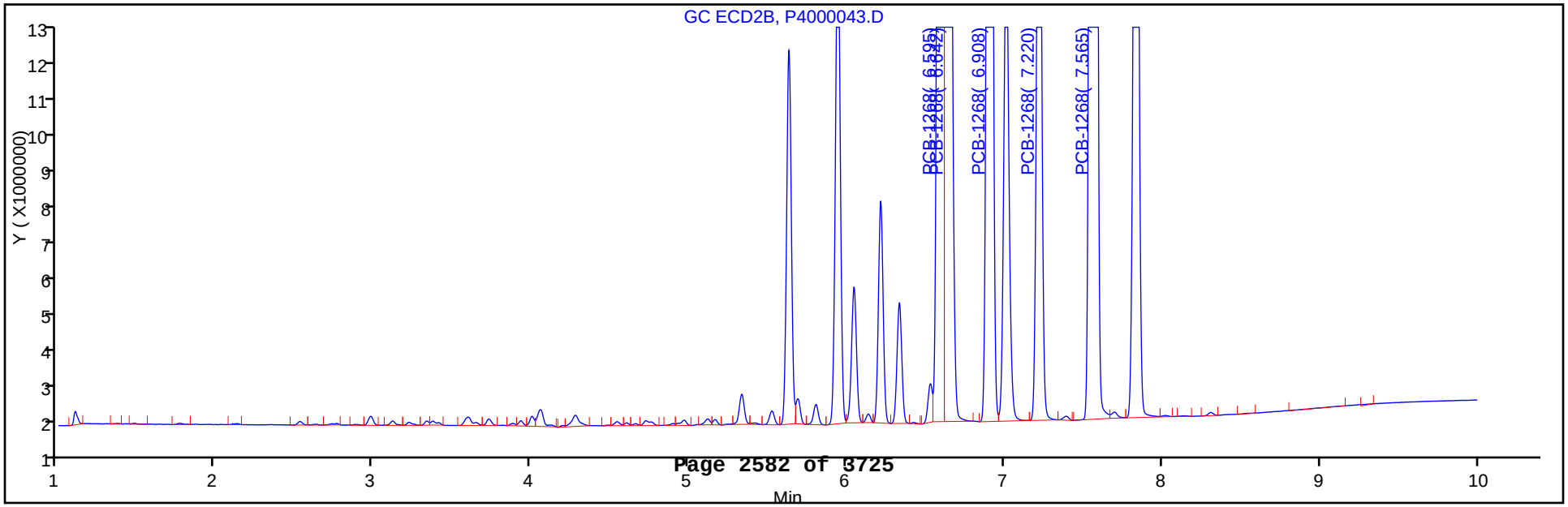
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000043.D

Injection Date:	04-Dec-2012 19:02:40	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	43
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Lims ID: STD2 1268 Client ID:
Inject. Date: 04-Dec-2012 19:18:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015497-044
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 44
Lims Batch ID: 67207 Lims Sample ID: 44
Sublist: chrom-PCB4*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:28 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 PCB-1268									
1	100	5.513	5.515	-0.002	321181301	1.84		100.0	
1	2	5.552	5.550	0.002	307644501	1.86	70.5- 120.5	95.8	
1	3	5.750	5.752	-0.002	263574759	1.85	56.7- 106.7	82.1	
1	4	6.126	6.126	0.000	113163331	1.83	10.6- 60.6	35.2	
1	5	6.426	6.425	0.001	864766350	1.88	240.6- 290.6	269.2	
			Average of Peak Amounts =			1.85			
2	6	6.593	6.593	0.000	283445149	1.87		100.0	
2	7	6.641	6.641	0.000	263759570	1.88	63.8- 123.8	93.1	
2	8	6.906	6.905	0.001	233503664	1.88	52.4- 112.4	82.4	
2	9	7.219	7.219	0.000	94290955	1.83	4.4- 64.4	33.3	
2	10	7.563	7.563	0.000	703220169	1.94	209.7- 269.7	248.1	
			Average of Peak Amounts =			1.88			
						RPD = 1.41			

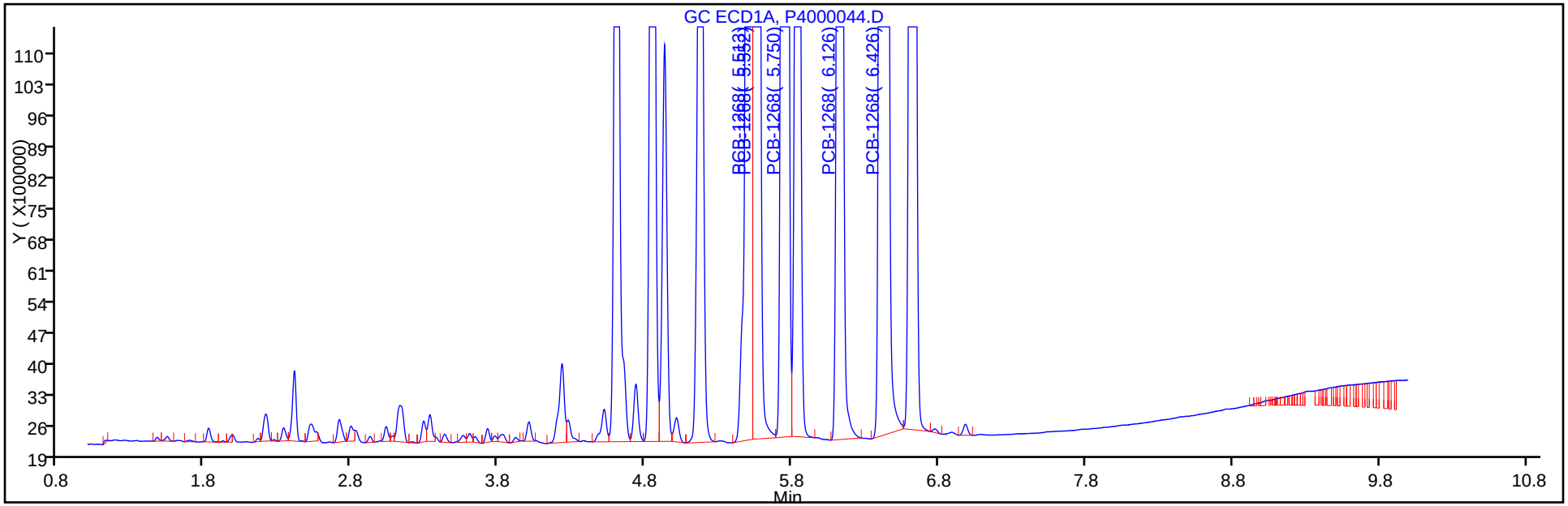
Report Date: 05-Dec-2012 06:33:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

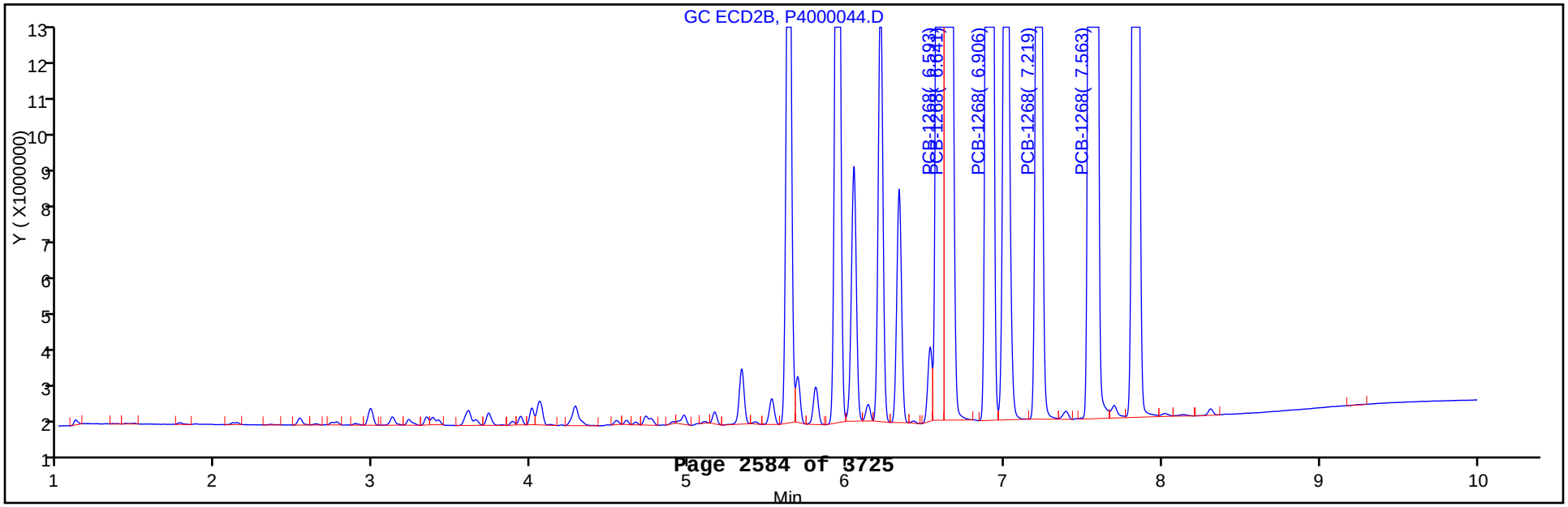
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D

Injection Date:	04-Dec-2012 19:18:24	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	44
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 17:59 Calibration End Date: 12/04/2012 19:18 Calibration ID: 12605

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/39	P4000039.D
Level 2	STD01 240-67207/40	P4000040.D
Level 3	STD02 240-67207/41	P4000041.D
Level 4	STD05 240-67207/42	P4000042.D
Level 5	STD1 240-67207/43	P4000043.D
Level 6	STD2 240-67207/44	P4000044.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1268 Peak 1	6.593	6.594	6.595	6.594	6.595	6.593					6.493 - 6.693	6.594
PCB-1268 Peak 2	6.641	6.642	6.642	6.641	6.642	6.641					6.541 - 6.741	6.642
PCB-1268 Peak 3	6.905	6.907	6.907	6.907	6.908	6.906					6.805 - 7.005	6.907
PCB-1268 Peak 4	7.219	7.220	7.221	7.220	7.220	7.219					7.119 - 7.319	7.220
PCB-1268 Peak 5	7.563	7.564	7.564	7.564	7.565	7.563					7.463 - 7.663	7.564

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 17:59 Calibration End Date: 12/04/2012 19:18 Calibration ID: 12605

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/39	P4000039.D
Level 2	STD01 240-67207/40	P4000040.D
Level 3	STD02 240-67207/41	P4000041.D
Level 4	STD05 240-67207/42	P4000042.D
Level 5	STD1 240-67207/43	P4000043.D
Level 6	STD2 240-67207/44	P4000044.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1268 Peak 1	177690480 143549085	149458960 141722575	151447450	145930282	Ave		151633139				8.7		20.0			
PCB-1268 Peak 2	161938160 132434318	139640340 131879785	142052320	135588976	Ave		140588983				8.0		20.0			
PCB-1268 Peak 3	145044320 117448406	123304040 116751832	124844975	119362344	Ave		124459320				8.5		20.0			
PCB-1268 Peak 4	61983680 47285136	52343140 47145478	52085615	49036456	Ave		51646584.1				11.0		20.0			
PCB-1268 Peak 5	406830640 346578883	351557200 351610085	363024730	351851982	Ave		361908920				6.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67207

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2012 17:59 Calibration End Date: 12/04/2012 19:18 Calibration ID: 12605

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-67207/39	P4000039.D
Level 2	STD01 240-67207/40	P4000040.D
Level 3	STD02 240-67207/41	P4000041.D
Level 4	STD05 240-67207/42	P4000042.D
Level 5	STD1 240-67207/43	P4000043.D
Level 6	STD2 240-67207/44	P4000044.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1268 Peak 1	Ave	8884524 283445149	14945896	30289490	72965141	143549085	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 2	Ave	8096908 263759570	13964034	28410464	67794488	132434318	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 3	Ave	7252216 233503664	12330404	24968995	59681172	117448406	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 4	Ave	3099184 94290955	5234314	10417123	24518228	47285136	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 5	Ave	20341532 703220169	35155720	72604946	175925991	346578883	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000039.D
Lims ID: STD005 1268 Client ID:
Inject. Date: 04-Dec-2012 17:59:38 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015497-039
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 39
Lims Batch ID: 67207 Lims Sample ID: 39
Sublist: chrom-PCB4*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:35 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 PCB-1268									
1	100	5.515	5.515	0.000	10191576	0.0584		100.0	
1	2	5.550	5.550	0.000	9390716	0.0567	70.5- 120.5	92.1	
1	3	5.752	5.752	0.000	8288261	0.0582	56.7- 106.7	81.3	
1	4	6.126	6.126	0.000	3685232	0.0595	10.6- 60.6	36.2	
1	5	6.425	6.425	0.000	25984784	0.0565	240.6- 290.6	255.0	
			Average of Peak Amounts =			0.0579			
2	6	6.593	6.593	0.000	8884524	0.0586		100.0	
2	7	6.641	6.641	0.000	8096908	0.0576	63.8- 123.8	91.1	
2	8	6.905	6.905	0.000	7252216	0.0583	52.4- 112.4	81.6	
2	9	7.219	7.219	0.000	3099184	0.0600	4.4- 64.4	34.9	
2	10	7.563	7.563	0.000	20341532	0.0562	209.7- 269.7	229.0	
			Average of Peak Amounts =			0.0581			
						RPD = 0.45			

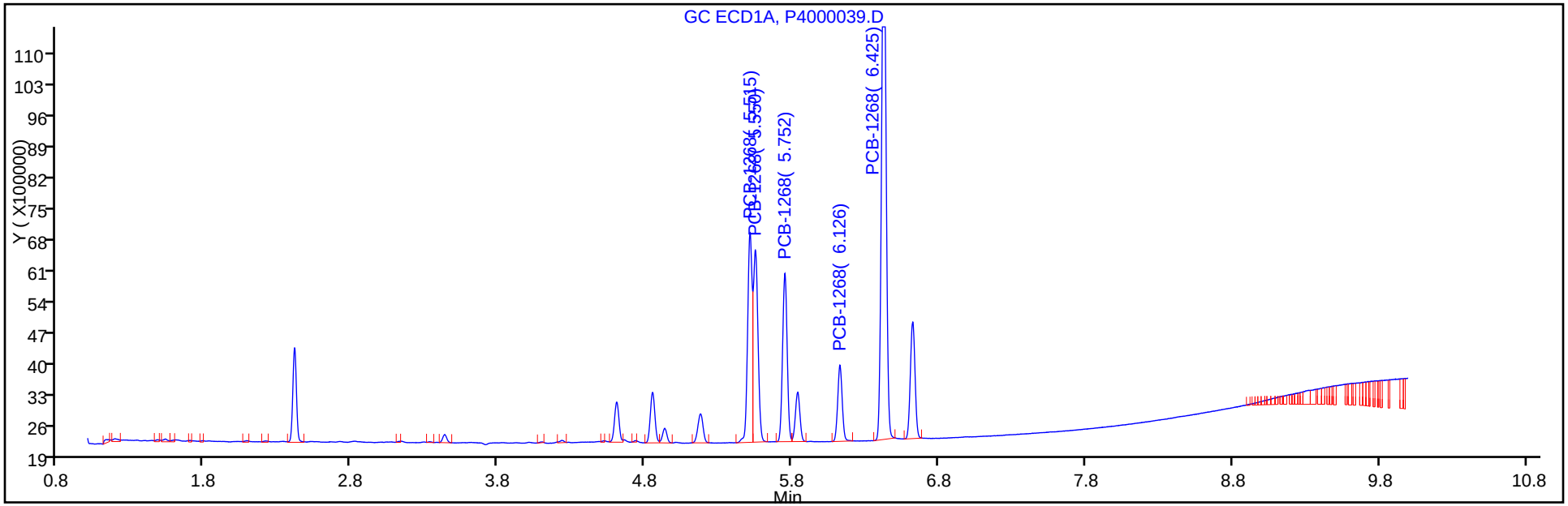
Report Date: 05-Dec-2012 06:33:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

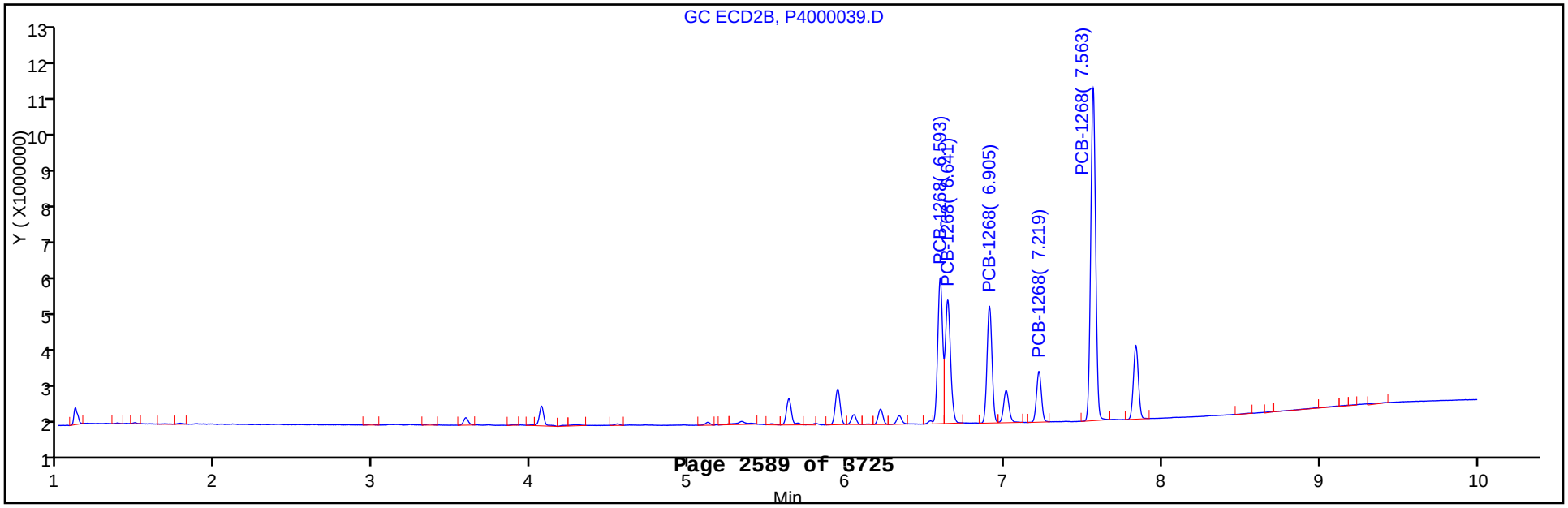
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000039.D

Injection Date:	04-Dec-2012 17:59:38	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	39
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000040.D
Lims ID: STD01 1268 Client ID:
Inject. Date: 04-Dec-2012 18:15:20 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015497-040
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 40
Lims Batch ID: 67207 Lims Sample ID: 40
Sublist: chrom-PCB4*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:34 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 PCB-1268									
1	100	5.514	5.515	-0.001	17357545	0.0995		100.0	
1	2	5.551	5.550	0.001	16269779	0.0983	70.5- 120.5	93.7	
1	3	5.751	5.752	-0.001	14112042	0.0991	56.7- 106.7	81.3	
1	4	6.126	6.126	0.000	6222940	0.1005	10.6- 60.6	35.9	
1	5	6.425	6.425	0.000	45270201	0.0984	240.6- 290.6	260.8	
			Average of Peak Amounts =			0.0992			
2	6	6.594	6.593	0.001	14945896	0.0986		100.0	
2	7	6.642	6.641	0.001	13964034	0.0993	63.8- 123.8	93.4	
2	8	6.907	6.905	0.002	12330404	0.0991	52.4- 112.4	82.5	
2	9	7.220	7.219	0.001	5234314	0.1013	4.4- 64.4	35.0	
2	10	7.564	7.563	0.001	35155720	0.0971	209.7- 269.7	235.2	
			Average of Peak Amounts =			0.0991			
						RPD = 0.08			

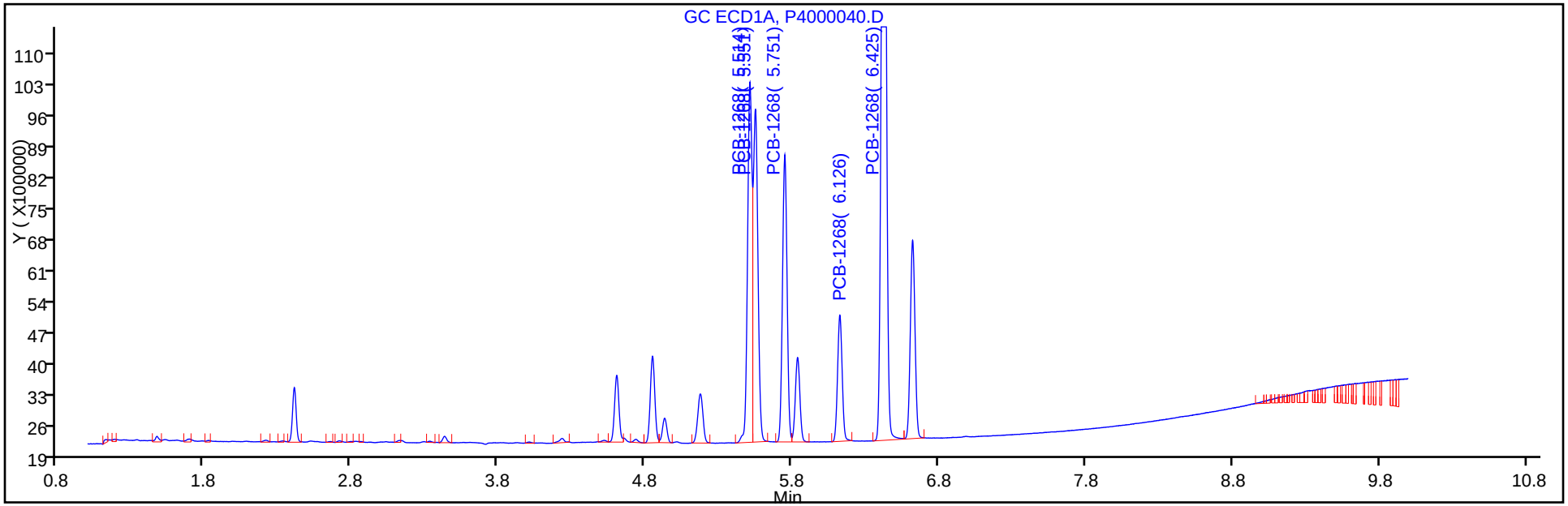
Report Date: 05-Dec-2012 06:33:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

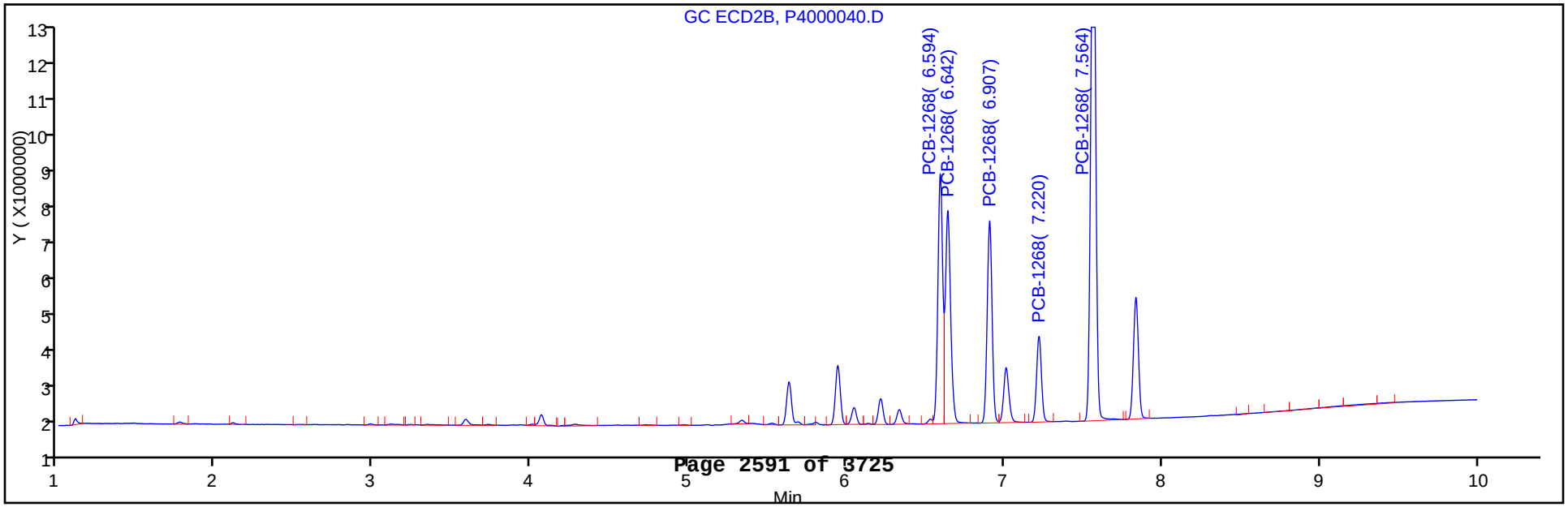
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000040.D

Injection Date:	04-Dec-2012 18:15:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	40
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000041.D
Lims ID: STD02 1268 Client ID:
Inject. Date: 04-Dec-2012 18:31:11 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015497-041
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 41
Lims Batch ID: 67207 Lims Sample ID: 41
Sublist: chrom-PCB4*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:32 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 PCB-1268									
1	100	5.515	5.515	0.000	35242066	0.2021		100.0	
1	2	5.551	5.550	0.001	33661729	0.2034	70.5- 120.5	95.5	
1	3	5.751	5.752	-0.001	28782577	0.2021	56.7- 106.7	81.7	
1	4	6.126	6.126	0.000	12534125	0.2024	10.6- 60.6	35.6	
1	5	6.426	6.425	0.001	93618429	0.2036	240.6- 290.6	265.6	
			Average of Peak Amounts =			0.2027			
2	6	6.595	6.593	0.002	30289490	0.1998		100.0	
2	7	6.642	6.641	0.001	28410464	0.2021	63.8- 123.8	93.8	
2	8	6.907	6.905	0.002	24968995	0.2006	52.4- 112.4	82.4	
2	9	7.221	7.219	0.002	10417123	0.2017	4.4- 64.4	34.4	
2	10	7.564	7.563	0.001	72604946	0.2006	209.7- 269.7	239.7	
			Average of Peak Amounts =			0.2010			
						RPD = 0.86			

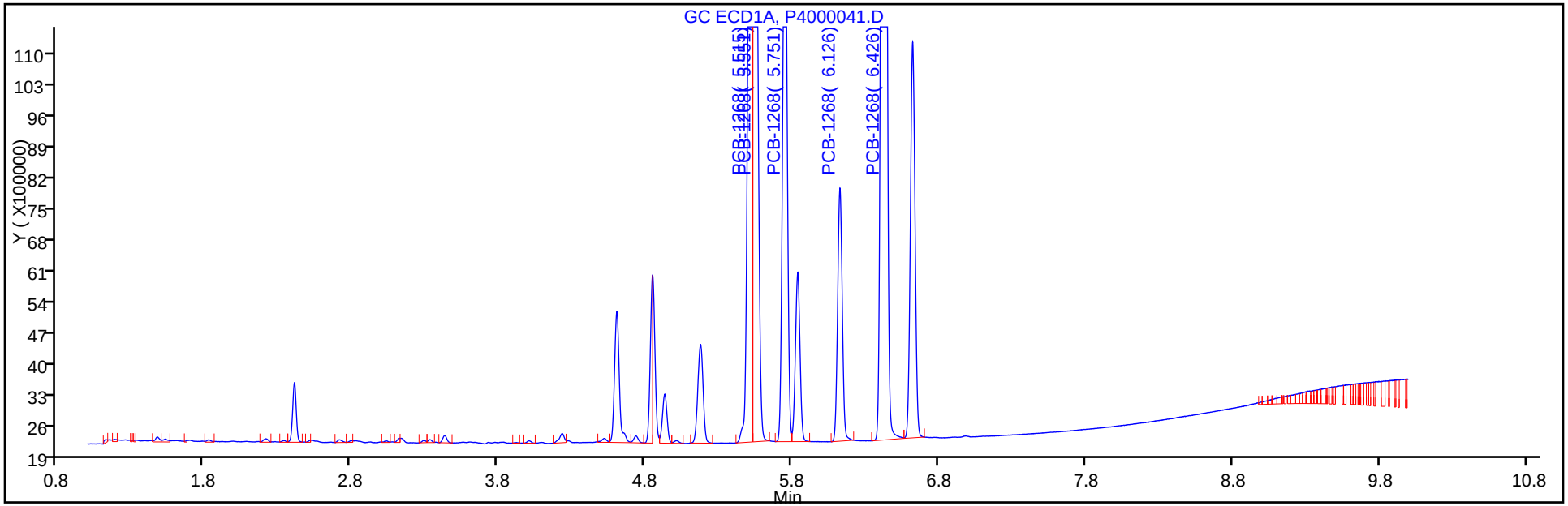
Report Date: 05-Dec-2012 06:33:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

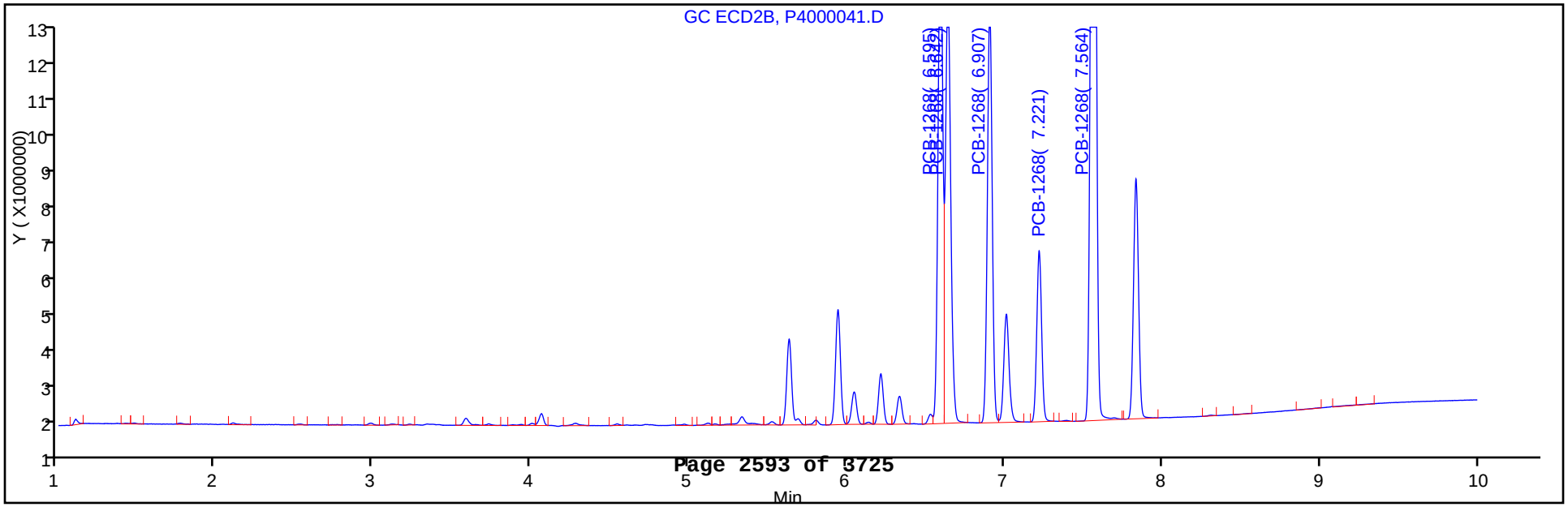
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000041.D

Injection Date:	04-Dec-2012 18:31:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	41
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000042.D
Lims ID: STD05 1268 Client ID:
Inject. Date: 04-Dec-2012 18:46:55 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015497-042
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 42
Lims Batch ID: 67207 Lims Sample ID: 42
Sublist: chrom-PCB4*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:31 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 PCB-1268									
1	100	5.514	5.515	-0.001	83695844	0.4799		100.0	
1	2	5.550	5.550	0.000	81593528	0.4930	70.5- 120.5	97.5	
1	3	5.750	5.752	-0.002	68877570	0.4836	56.7- 106.7	82.3	
1	4	6.126	6.126	0.000	29639958	0.4786	10.6- 60.6	35.4	
1	5	6.425	6.425	0.000	224709392	0.4886	240.6- 290.6	268.5	
			Average of Peak Amounts =			0.4847			
2	6	6.594	6.593	0.001	72965141	0.4812		100.0	
2	7	6.641	6.641	0.000	67794488	0.4822	63.8- 123.8	92.9	
2	8	6.907	6.905	0.002	59681172	0.4795	52.4- 112.4	81.8	
2	9	7.220	7.219	0.001	24518228	0.4747	4.4- 64.4	33.6	
2	10	7.564	7.563	0.001	175925991	0.4861	209.7- 269.7	241.1	
			Average of Peak Amounts =			0.4808			
						RPD = 0.83			

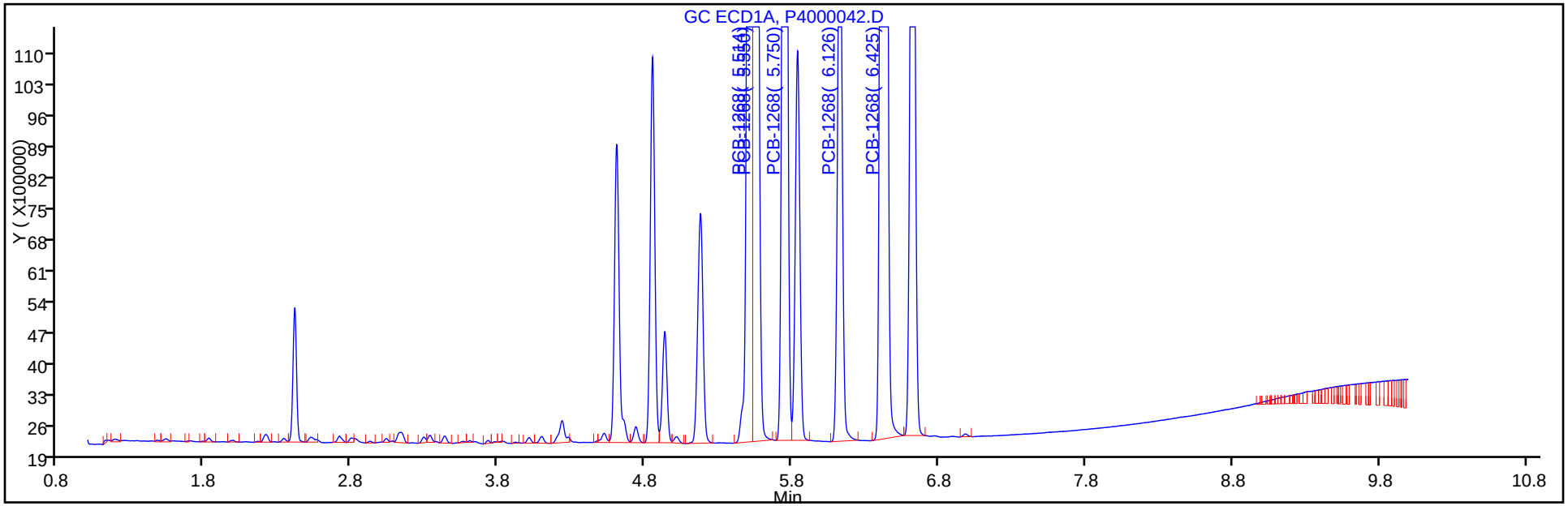
Report Date: 05-Dec-2012 06:33:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

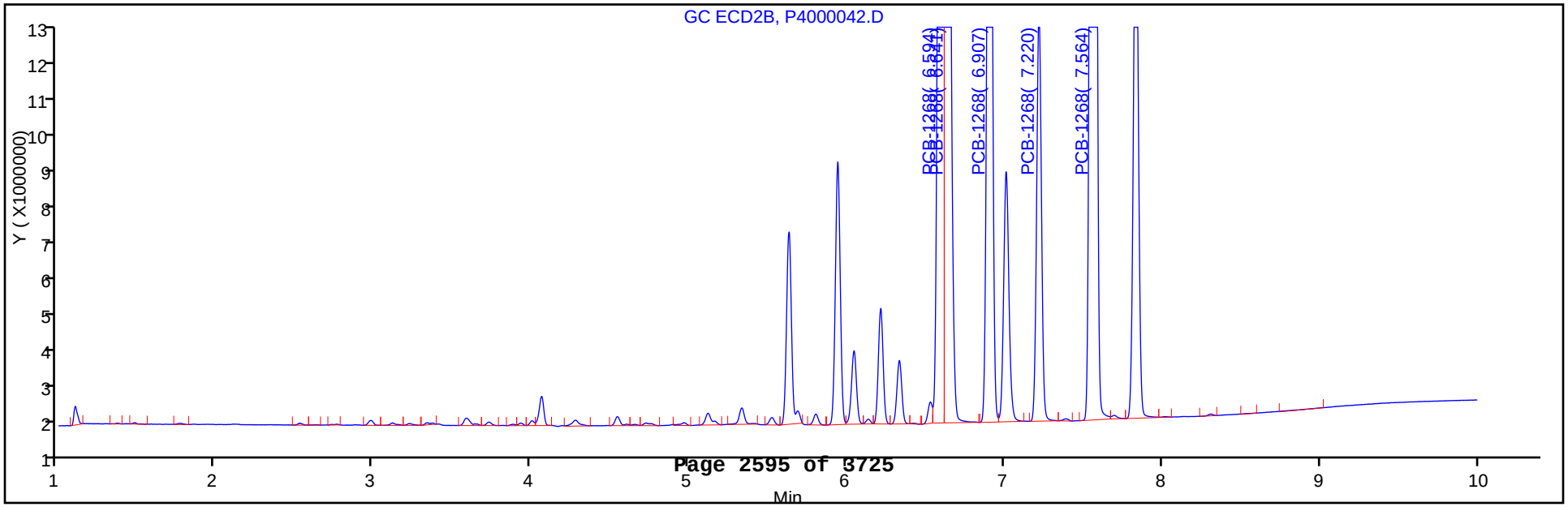
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000042.D

Injection Date:	04-Dec-2012 18:46:55	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	42
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000043.D
Lims ID: STD1 1268 Client ID:
Inject. Date: 04-Dec-2012 19:02:40 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015497-043
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 43
Lims Batch ID: 67207 Lims Sample ID: 43
Sublist: chrom-PCB4*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:29 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 PCB-1268									
1	100	5.514	5.515	-0.001	164795292	0.9449		100.0	
1	2	5.551	5.550	0.001	157114650	0.9494	70.5- 120.5	95.3	
1	3	5.751	5.752	-0.001	134259272	0.9426	56.7- 106.7	81.5	
1	4	6.125	6.126	-0.001	57121192	0.9223	10.6- 60.6	34.7	
1	5	6.426	6.425	0.001	437278320	0.9508	240.6- 290.6	265.3	
			Average of Peak Amounts =			0.9420			
2	6	6.595	6.593	0.002	143549085	0.9467		100.0	
2	7	6.642	6.641	0.001	132434318	0.9420	63.8- 123.8	92.3	
2	8	6.908	6.905	0.003	117448406	0.9437	52.4- 112.4	81.8	
2	9	7.220	7.219	0.001	47285136	0.9156	4.4- 64.4	32.9	
2	10	7.565	7.563	0.002	346578883	0.9576	209.7- 269.7	241.4	
			Average of Peak Amounts =			0.9411			
						RPD = 0.09			

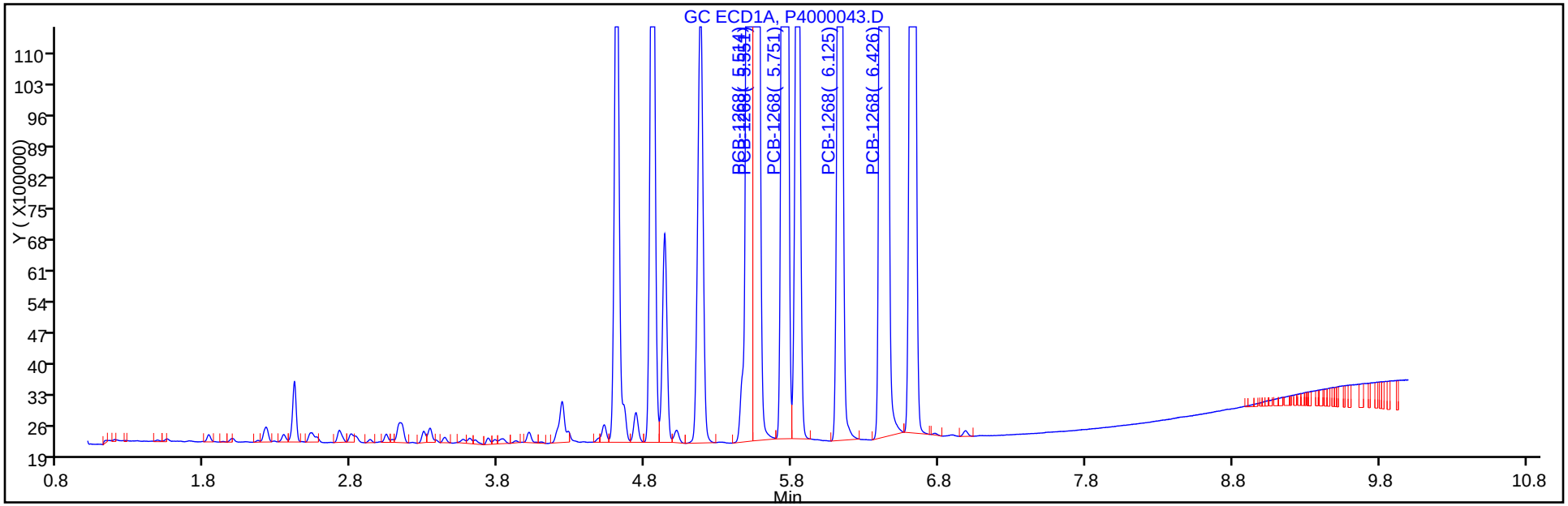
Report Date: 05-Dec-2012 06:33:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

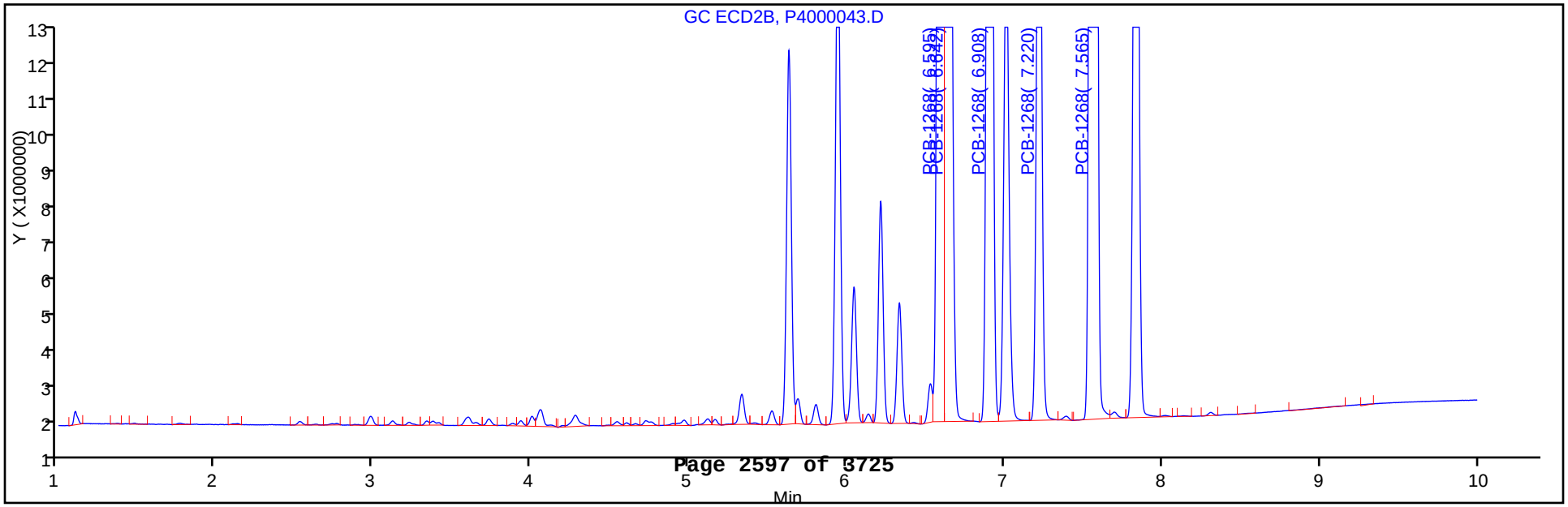
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000043.D

Injection Date:	04-Dec-2012 19:02:40	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	43
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Lims ID: STD2 1268 Client ID:
Inject. Date: 04-Dec-2012 19:18:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015497-044
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 44
Lims Batch ID: 67207 Lims Sample ID: 44
Sublist: chrom-PCB4*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:28 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 PCB-1268									
1	100	5.513	5.515	-0.002	321181301	1.84		100.0	
1	2	5.552	5.550	0.002	307644501	1.86	70.5- 120.5	95.8	
1	3	5.750	5.752	-0.002	263574759	1.85	56.7- 106.7	82.1	
1	4	6.126	6.126	0.000	113163331	1.83	10.6- 60.6	35.2	
1	5	6.426	6.425	0.001	864766350	1.88	240.6- 290.6	269.2	
			Average of Peak Amounts =			1.85			
2	6	6.593	6.593	0.000	283445149	1.87		100.0	
2	7	6.641	6.641	0.000	263759570	1.88	63.8- 123.8	93.1	
2	8	6.906	6.905	0.001	233503664	1.88	52.4- 112.4	82.4	
2	9	7.219	7.219	0.000	94290955	1.83	4.4- 64.4	33.3	
2	10	7.563	7.563	0.000	703220169	1.94	209.7- 269.7	248.1	
			Average of Peak Amounts =			1.88			
						RPD = 1.41			

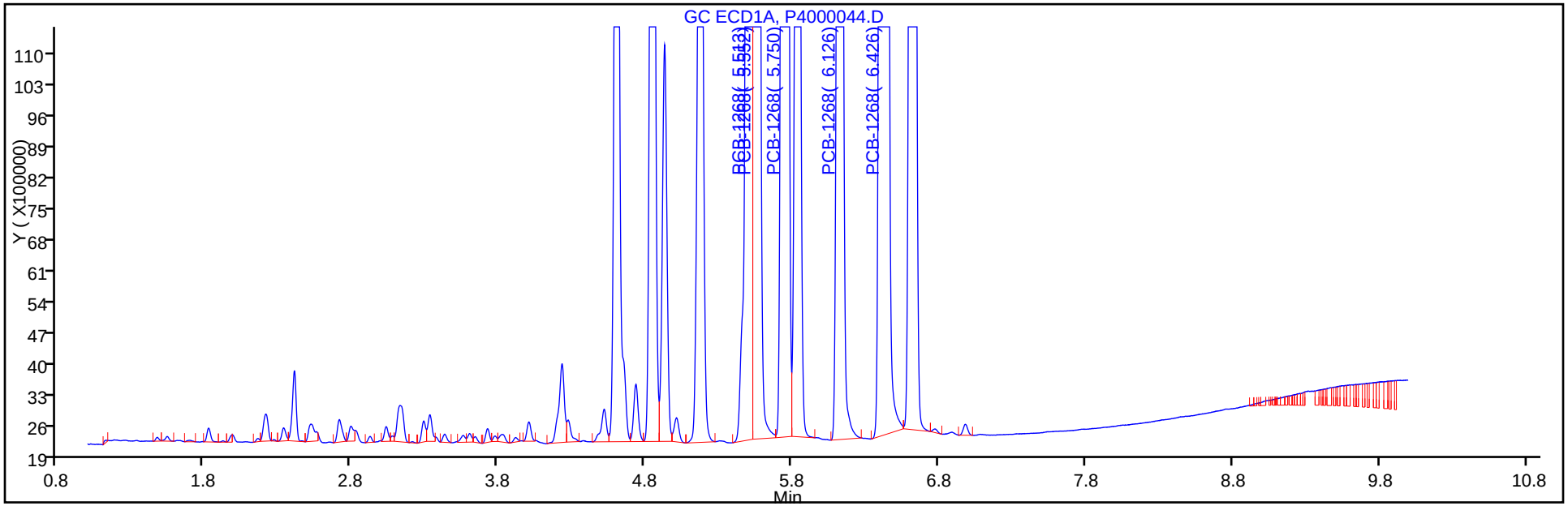
Report Date: 05-Dec-2012 06:33:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

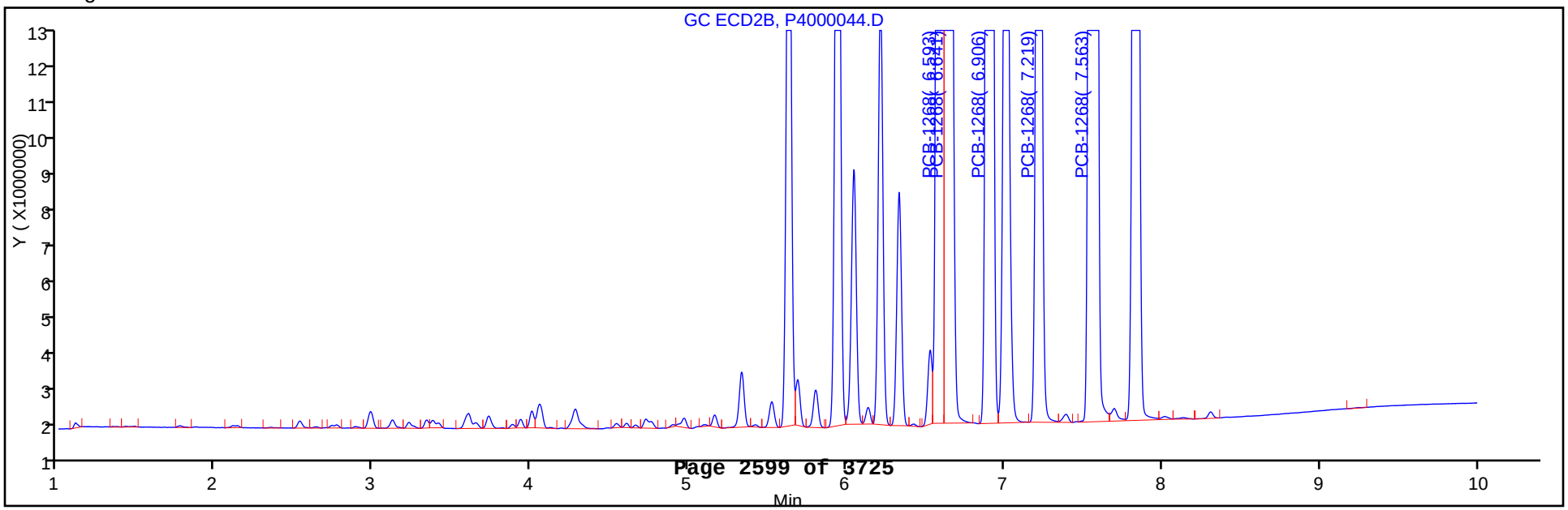
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D

Injection Date:	04-Dec-2012 19:18:24	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	44
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/45 Calibration Date: 12/04/2012 19:34

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 13:16

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 14:34

Lab File ID: P4000045.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	13267986	12538271		0.945	1.00	-5.5	20.0
PCB-1221 Peak 2	Ave	7099734	5783252		0.815	1.00	-18.5	20.0
PCB-1221 Peak 3	Ave	33295932	31329616		0.941	1.00	-5.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/45 Calibration Date: 12/04/2012 19:34

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 13:16

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 14:34

Lab File ID: P4000045.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.40	1.30	1.50
PCB-1221 Peak 2	1.51	1.41	1.61
PCB-1221 Peak 3	1.54	1.44	1.64

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000045.D
Lims ID: ICV 1221 Client ID:
Inject. Date: 04-Dec-2012 19:34:14 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015497-045
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 67207 Lims Sample ID: 45
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.404	1.404	0.000	12538271	0.9450		100.0	
1	3	1.513	1.513	0.000	5783252	0.8146	26.9- 76.9	46.1	
1	4	1.542	1.541	0.001	31329616	0.9409	229.8- 279.8	249.9	
			Average of Peak Amounts =			0.9002			
2	4	1.950	1.951	-0.001	8242952	0.8919		100.0	
2	5	2.081	2.080	0.001	5631529	0.9042	38.8- 98.8	68.3	
2	6	2.137	2.137	0.000	20285215	0.9233	209.6- 269.6	246.1	
			Average of Peak Amounts =			0.9065			
						RPD = 0.70			

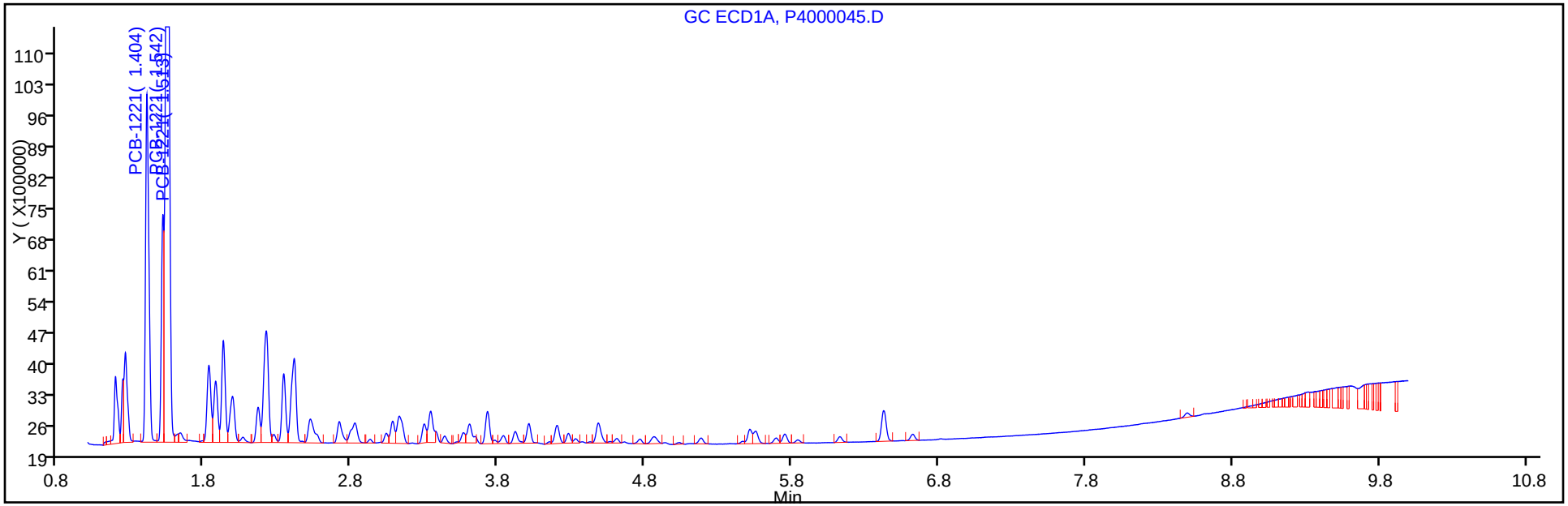
Report Date: 05-Dec-2012 06:33:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

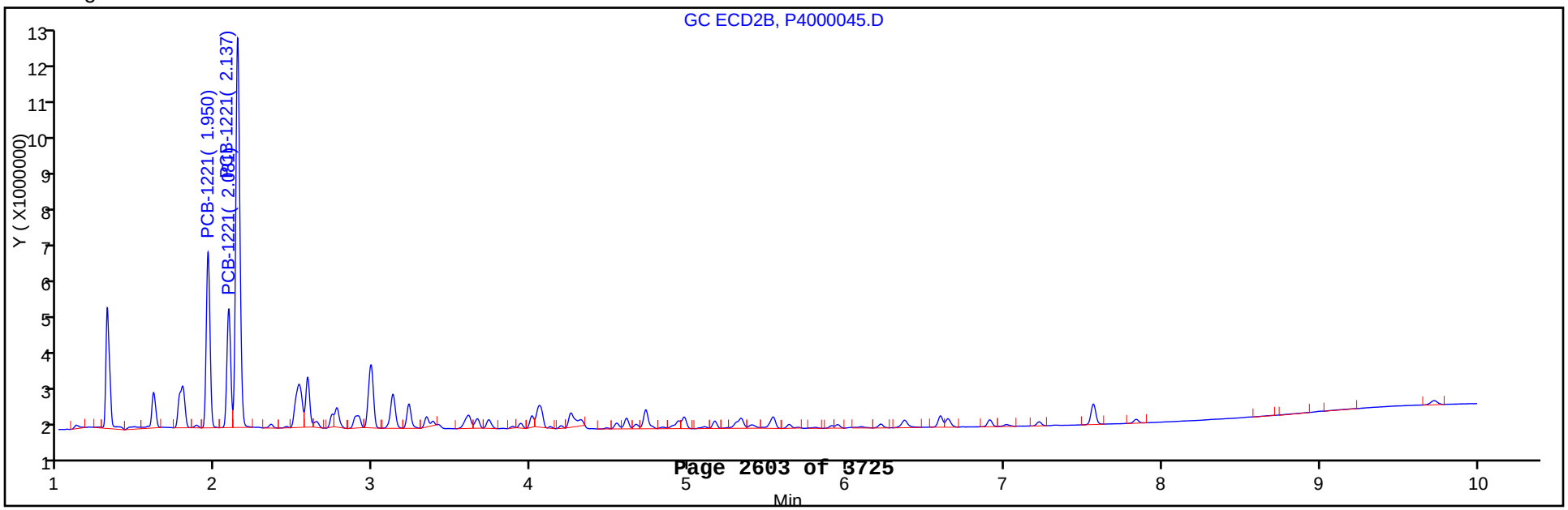
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000045.D

Injection Date:	04-Dec-2012 19:34:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	45
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/45 Calibration Date: 12/04/2012 19:34

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 13:16

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 14:34

Lab File ID: P4000045.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	9241973	8242952		0.892	1.00	-10.8	20.0
PCB-1221 Peak 2	Ave	6228060	5631529		0.904	1.00	-9.6	20.0
PCB-1221 Peak 3	Ave	21969172	20285215		0.923	1.00	-7.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/45 Calibration Date: 12/04/2012 19:34

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 13:16

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 14:34

Lab File ID: P4000045.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.95	1.85	2.05
PCB-1221 Peak 2	2.08	1.98	2.18
PCB-1221 Peak 3	2.14	2.04	2.24

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000045.D
Lims ID: ICV 1221 Client ID:
Inject. Date: 04-Dec-2012 19:34:14 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015497-045
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 67207 Lims Sample ID: 45
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									
1	2	1.404	1.404	0.000	12538271	0.9450		100.0	
1	3	1.513	1.513	0.000	5783252	0.8146	26.9- 76.9	46.1	
1	4	1.542	1.541	0.001	31329616	0.9409	229.8- 279.8	249.9	
			Average of Peak Amounts =			0.9002			
2	4	1.950	1.951	-0.001	8242952	0.8919		100.0	
2	5	2.081	2.080	0.001	5631529	0.9042	38.8- 98.8	68.3	
2	6	2.137	2.137	0.000	20285215	0.9233	209.6- 269.6	246.1	
			Average of Peak Amounts =			0.9065			
						RPD = 0.70			

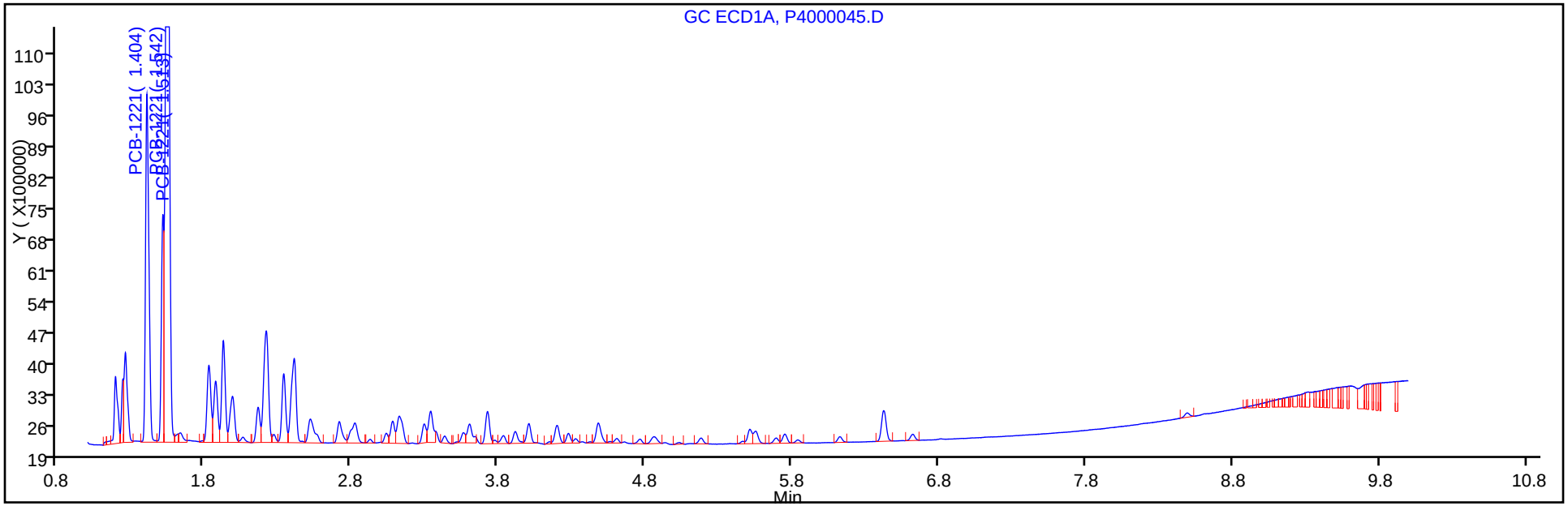
Report Date: 05-Dec-2012 06:33:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

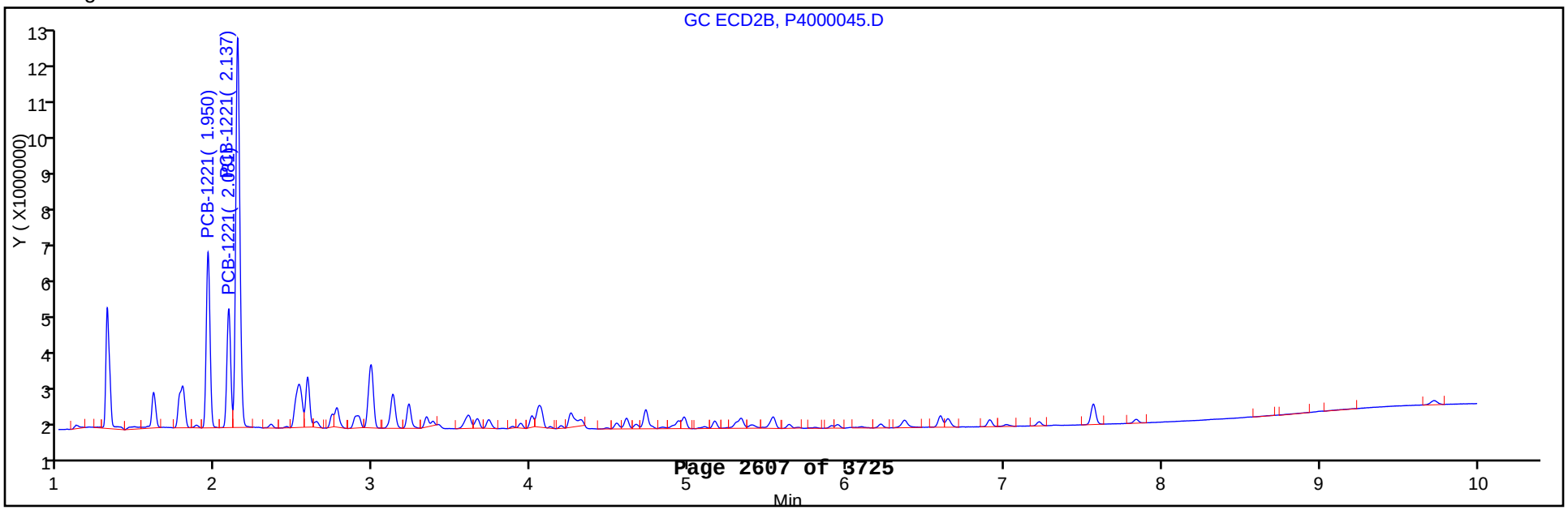
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000045.D

Injection Date:	04-Dec-2012 19:34:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	45
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/46 Calibration Date: 12/04/2012 19:49

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 08:26

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 09:45

Lab File ID: P4000046.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	26873278	26585235		0.989	1.00	-1.1	20.0
PCB-1232 Peak 2	Ave	19052179	20857753		1.09	1.00	9.5	20.0
PCB-1232 Peak 3	Ave	38843322	46427764		1.20	1.00	19.5	20.0
PCB-1232 Peak 4	Ave	16867680	19964234		1.18	1.00	18.4	20.0
PCB-1232 Peak 5	Ave	15782425	19181206		1.22	1.00	21.5*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/46 Calibration Date: 12/04/2012 19:49

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 08:26

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 09:45

Lab File ID: P4000046.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	1.54	1.44	1.64
PCB-1232 Peak 2	1.82	1.72	1.92
PCB-1232 Peak 3	2.22	2.11	2.31
PCB-1232 Peak 4	2.34	2.23	2.43
PCB-1232 Peak 5	2.72	2.61	2.81

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000046.D
Lims ID: ICV 1232 Client ID:
Inject. Date: 04-Dec-2012 19:49:56 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015497-046
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 46
Lims Batch ID: 67207 Lims Sample ID: 46
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

First Level Reviewer: hassl Date: 05-Dec-2012 06:29:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.541	1.539	0.002	26585235	0.9893		100.0	
1	2	1.824	1.822	0.002	20857753	1.09	46.4- 96.4	78.5	
1	3	2.216	2.212	0.004	46427764	1.20	117.6- 167.6	174.6	
1	4	2.336	2.333	0.003	19964234	1.18	39.5- 89.5	75.1	
1	5	2.715	2.713	0.002	19181206	1.22	34.7- 84.7	72.1	
			Average of Peak Amounts =			1.14			
2	6	2.136	2.133	0.003	17777350	0.9799		100.0	
2	7	2.531	2.530	0.001	15286869	1.24	49.8- 109.8	86.0	M
2	8	2.982	2.979	0.003	32349072	1.16	120.0- 180.0	182.0	
2	9	3.121	3.118	0.003	13833172	1.11	37.4- 97.4	77.8	
2	10	3.731	3.728	0.003	11612974	1.13	26.1- 86.1	65.3	
			Average of Peak Amounts =			1.13			
						RPD = 0.93			

QC Flag Legend

Review Flags
M - Manually Integrated

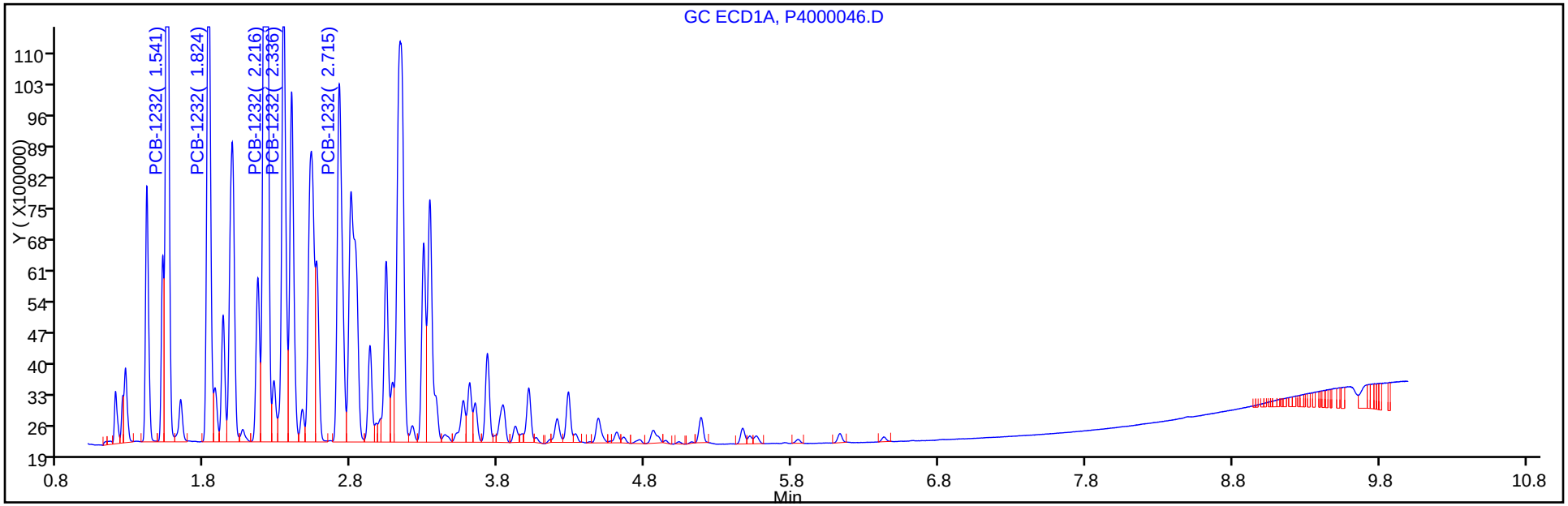
Report Date: 05-Dec-2012 06:33:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

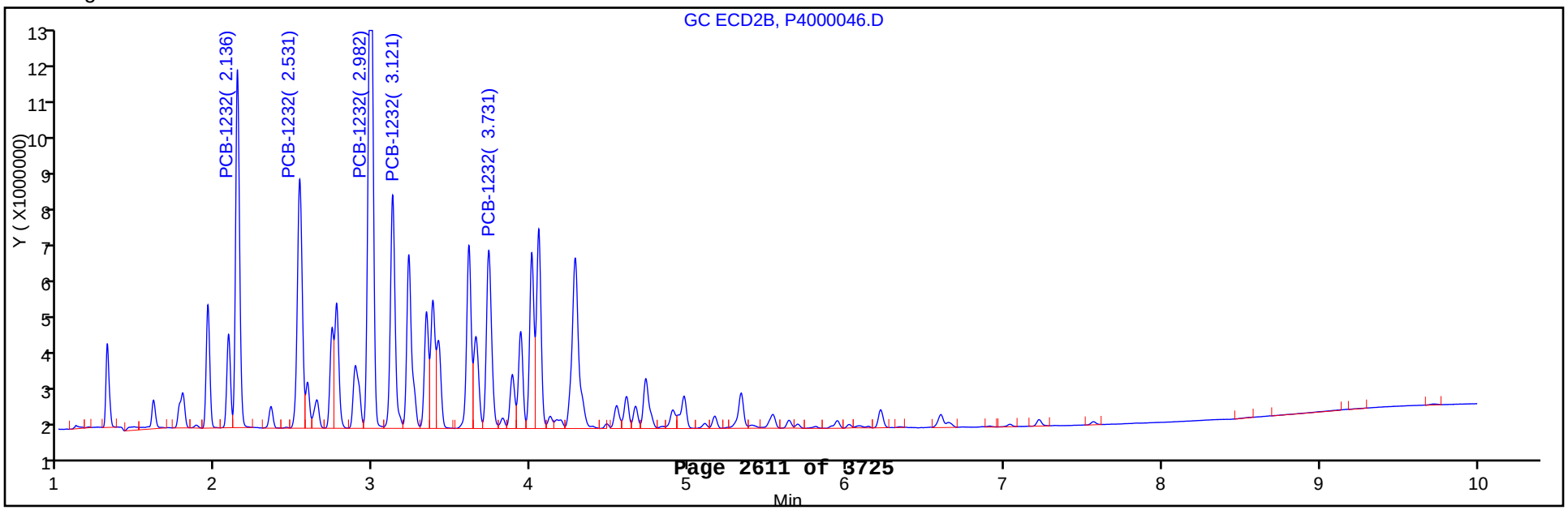
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000046.D

Injection Date:	04-Dec-2012 19:49:56	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	46
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/46 Calibration Date: 12/04/2012 19:49

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 08:26

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 09:45

Lab File ID: P4000046.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	18141420	17777350		0.980	1.00	-2.0	20.0
PCB-1232 Peak 2	Lin1		15286869		1.24	1.00	24.1*	20.0
PCB-1232 Peak 3	Ave	27786209	32349072		1.16	1.00	16.4	20.0
PCB-1232 Peak 4	Ave	12466666	13833172		1.11	1.00	11.0	20.0
PCB-1232 Peak 5	Ave	10273223	11612974		1.13	1.00	13.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/46 Calibration Date: 12/04/2012 19:49

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 08:26

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 09:45

Lab File ID: P4000046.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.14	2.03	2.23
PCB-1232 Peak 2	2.53	2.43	2.63
PCB-1232 Peak 3	2.98	2.88	3.08
PCB-1232 Peak 4	3.12	3.02	3.22
PCB-1232 Peak 5	3.73	3.63	3.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000046.D
Lims ID: ICV 1232 Client ID:
Inject. Date: 04-Dec-2012 19:49:56 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015497-046
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 46
Lims Batch ID: 67207 Lims Sample ID: 46
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

First Level Reviewer: hassl Date: 05-Dec-2012 06:29:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.541	1.539	0.002	26585235	0.9893		100.0	
1	2	1.824	1.822	0.002	20857753	1.09	46.4- 96.4	78.5	
1	3	2.216	2.212	0.004	46427764	1.20	117.6- 167.6	174.6	
1	4	2.336	2.333	0.003	19964234	1.18	39.5- 89.5	75.1	
1	5	2.715	2.713	0.002	19181206	1.22	34.7- 84.7	72.1	
			Average of Peak Amounts =			1.14			
2	6	2.136	2.133	0.003	17777350	0.9799		100.0	
2	7	2.531	2.530	0.001	15286869	1.24	49.8- 109.8	86.0	M
2	8	2.982	2.979	0.003	32349072	1.16	120.0- 180.0	182.0	
2	9	3.121	3.118	0.003	13833172	1.11	37.4- 97.4	77.8	
2	10	3.731	3.728	0.003	11612974	1.13	26.1- 86.1	65.3	
			Average of Peak Amounts =			1.13			
						RPD = 0.93			

QC Flag Legend

Review Flags
M - Manually Integrated

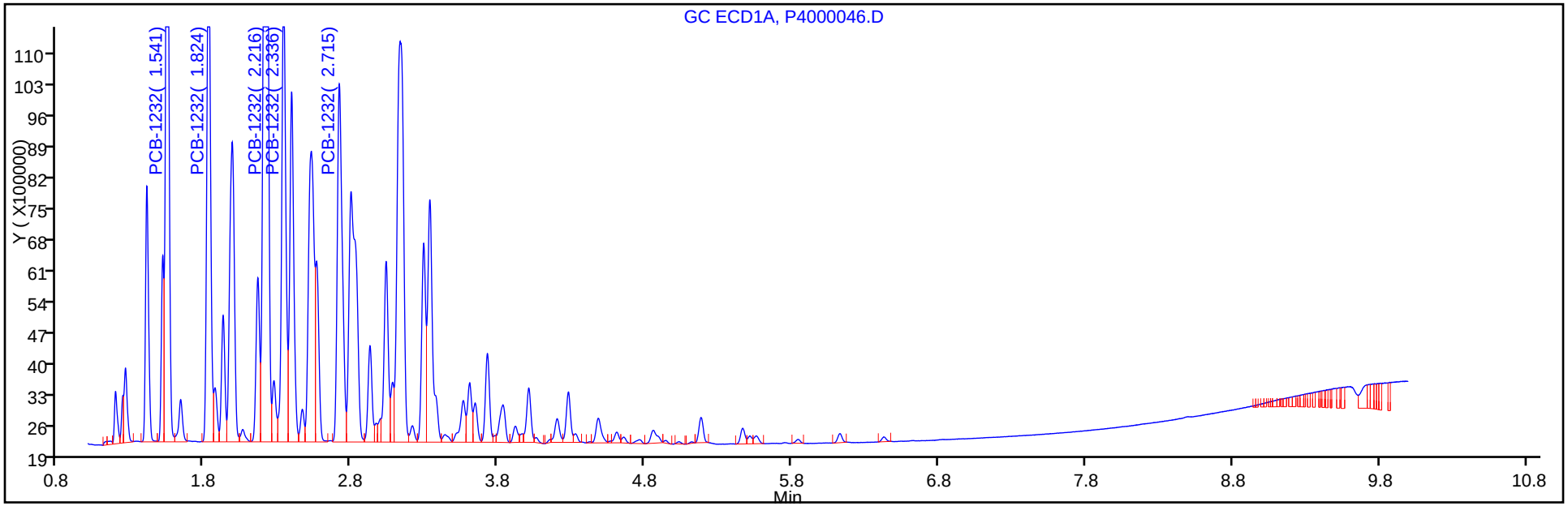
Report Date: 05-Dec-2012 06:33:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

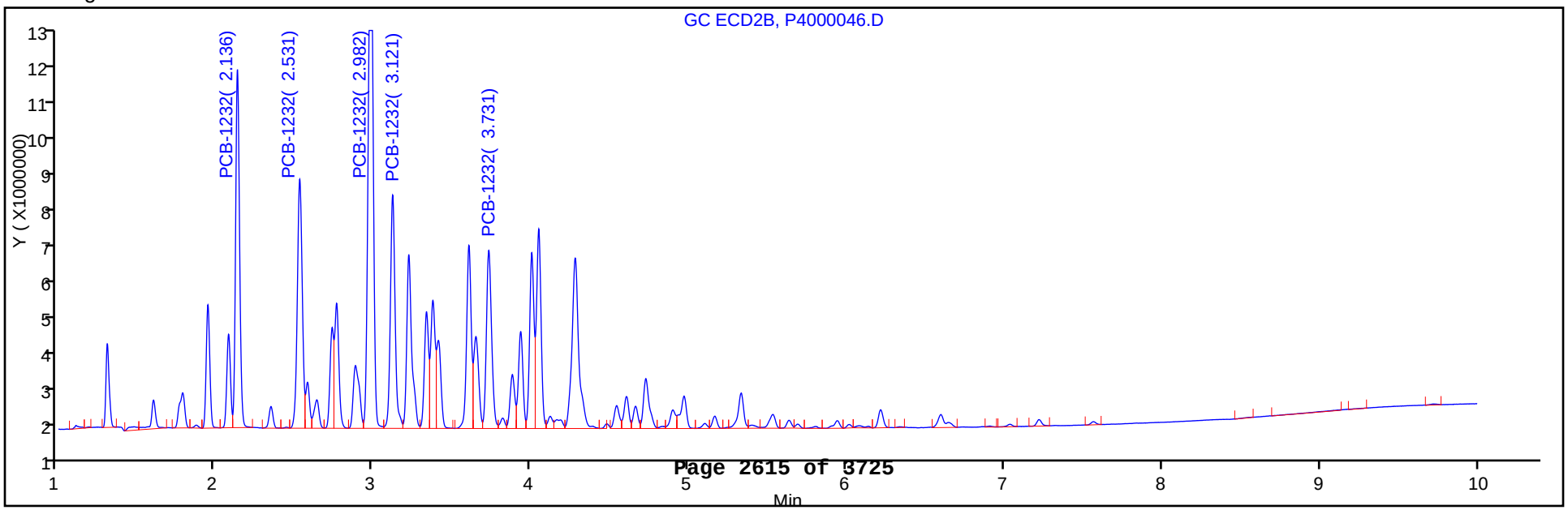
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000046.D

Injection Date:	04-Dec-2012 19:49:56	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	46
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



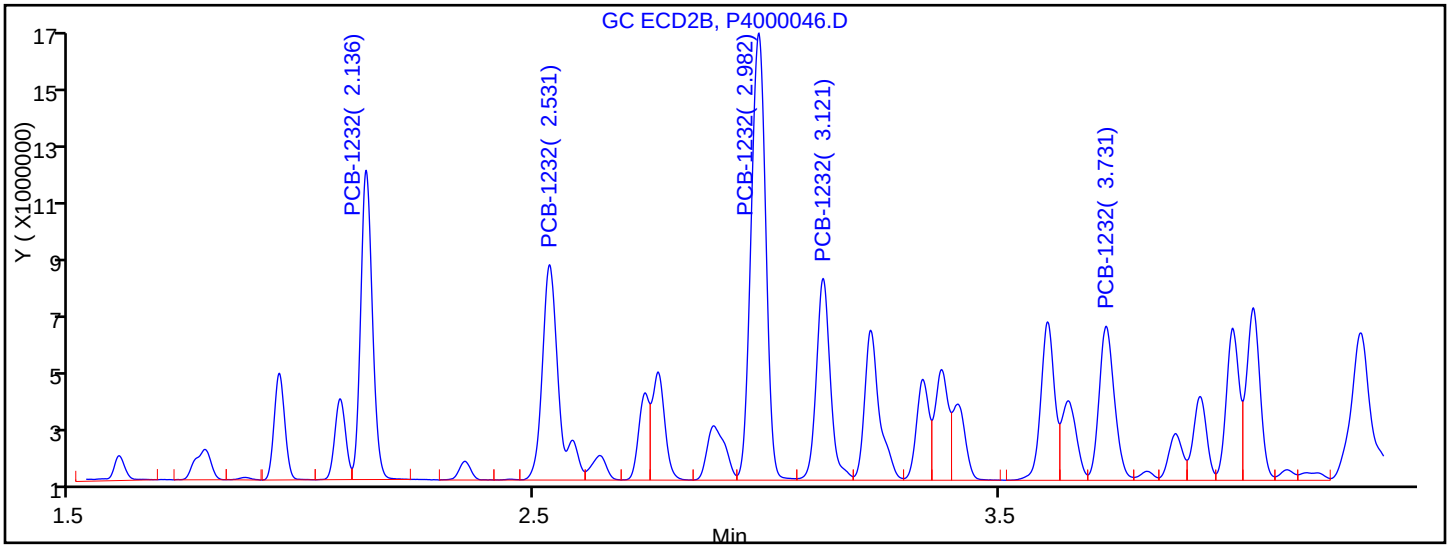
Report Date: 05-Dec-2012 06:33:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000046.D

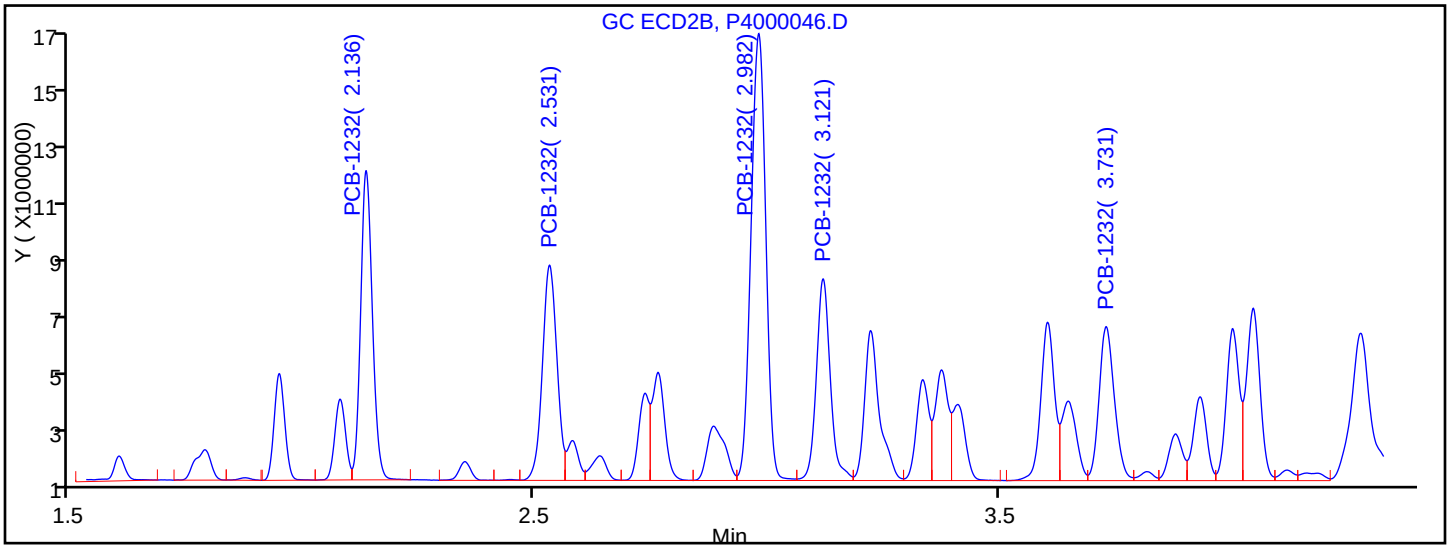
Injection Date:	04-Dec-2012 19:49:56	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	46
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 2, GC ecd2b



Processing Integration Results

RT = 2.136	Response = 17777350	
RT = 2.531	Response = 17560664	M
RT = 2.982	Response = 32349072	
RT = 3.121	Response = 13833172	
RT = 3.731	Response = 11612974	



Manual Integration Results

RT = 2.136	Response = 17777350	
RT = 2.531	Response = 15286869	M
RT = 2.982	Response = 32349072	
RT = 3.121	Response = 13833172	
RT = 3.731	Response = 11612974	

Reviewer: hassl, 05-Dec-2012 06:29:03

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/47 Calibration Date: 12/04/2012 20:05

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 10:07

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 11:25

Lab File ID: P4000047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	19693976	18795971		0.954	1.00	-4.6	20.0
PCB-1242 Peak 2	Ave	36322819	34920123		0.961	1.00	-3.9	20.0
PCB-1242 Peak 3	Ave	74235717	76335758		1.03	1.00	2.8	20.0
PCB-1242 Peak 4	Ave	33013857	32728104		0.991	1.00	-0.9	20.0
PCB-1242 Peak 5	Ave	33077361	33686829		1.02	1.00	1.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/47 Calibration Date: 12/04/2012 20:05

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 10:07

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 11:25

Lab File ID: P4000047.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	1.54	1.44	1.64
PCB-1242 Peak 2	1.83	1.73	1.93
PCB-1242 Peak 3	2.22	2.12	2.32
PCB-1242 Peak 4	2.34	2.24	2.44
PCB-1242 Peak 5	2.72	2.62	2.82

Report Date: 05-Dec-2012 06:33:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000047.D
Lims ID: ICV 1242 Client ID:
Inject. Date: 04-Dec-2012 20:05:39 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015497-047
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 67207 Lims Sample ID: 47
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

First Level Reviewer: hassl Date: 05-Dec-2012 06:26:17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.543	1.544	-0.001	18795971	0.9544		100.0	
1	2	1.826	1.827	-0.001	34920123	0.9614	161.9- 211.9	185.8	M
1	3	2.216	2.219	-0.003	76335758	1.03	349.2- 399.2	406.1	M
1	4	2.337	2.339	-0.002	32728104	0.99	143.3- 193.3	174.1	M
1	5	2.717	2.719	-0.002	33686829	1.02	141.6- 191.6	179.2	M
			Average of Peak Amounts =			0.99			
2	6	2.137	2.134	0.003	12475102	0.9406		100.0	
2	7	2.532	2.529	0.003	25209623	0.9578	170.9- 230.9	202.1	
2	8	2.983	2.980	0.003	53283589	1.04	354.9- 414.9	427.1	
2	9	3.121	3.119	0.002	22464807	1.00	140.5- 200.5	180.1	
2	10	3.605	3.602	0.003	18507574	1.16	115.3- 175.3	148.4	
			Average of Peak Amounts =			1.02			
						RPD = 2.94			

QC Flag Legend

Review Flags
M - Manually Integrated

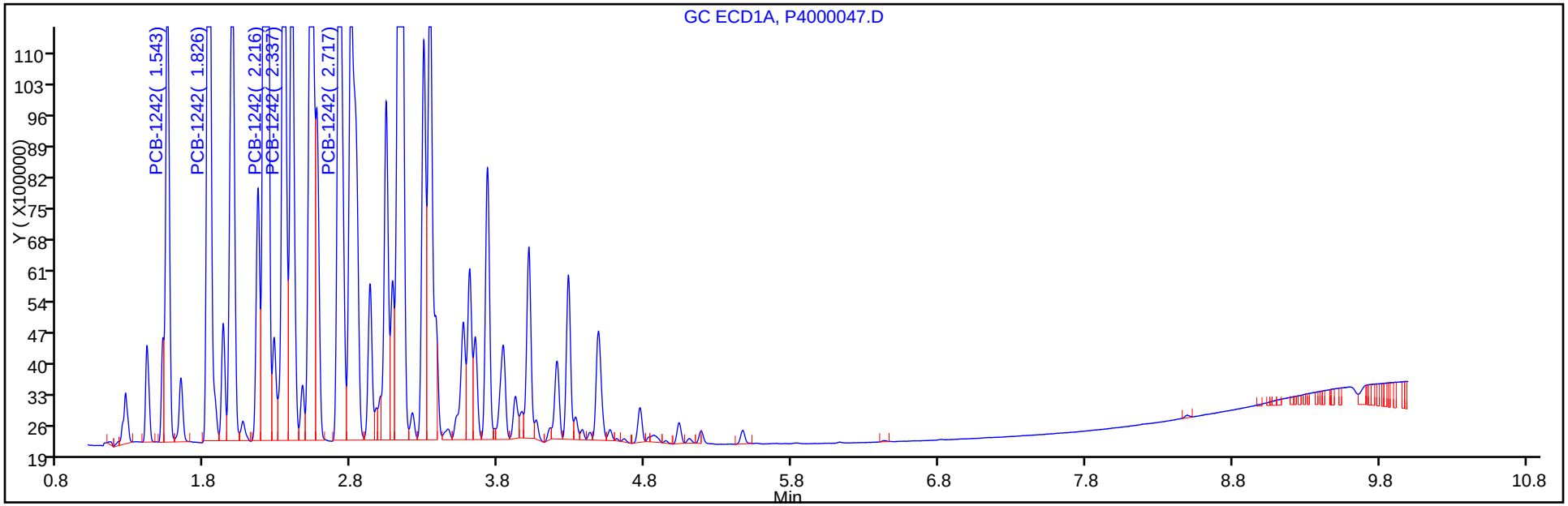
Report Date: 05-Dec-2012 06:33:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

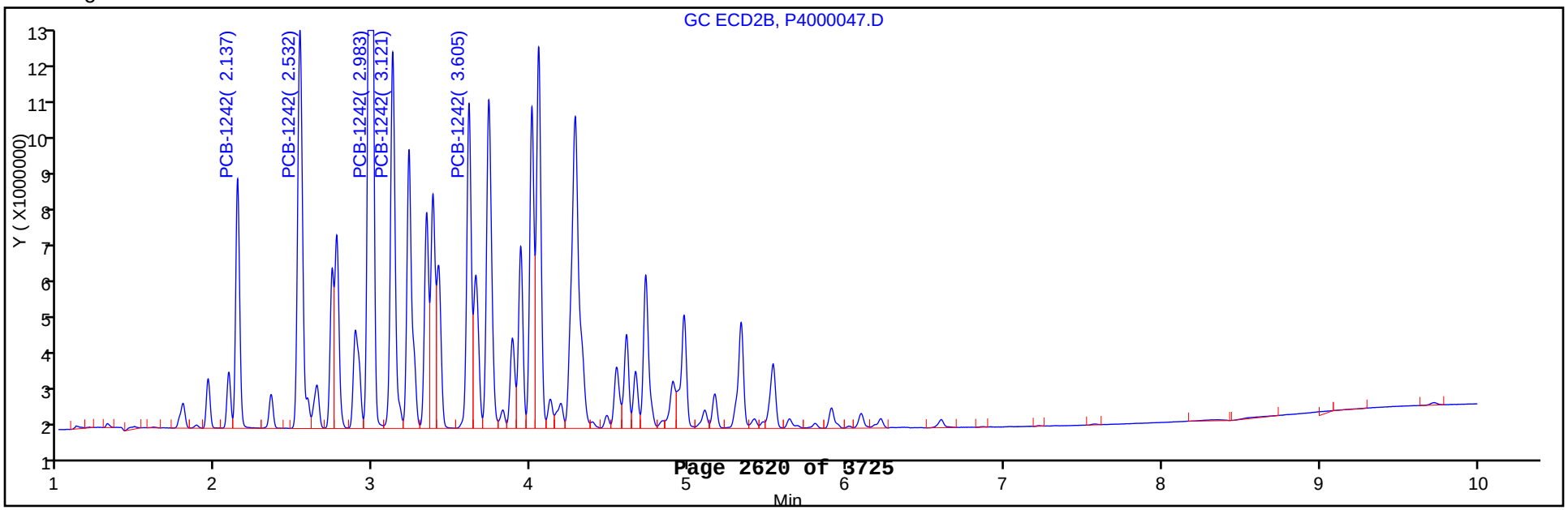
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000047.D

Injection Date:	04-Dec-2012 20:05:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	47
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



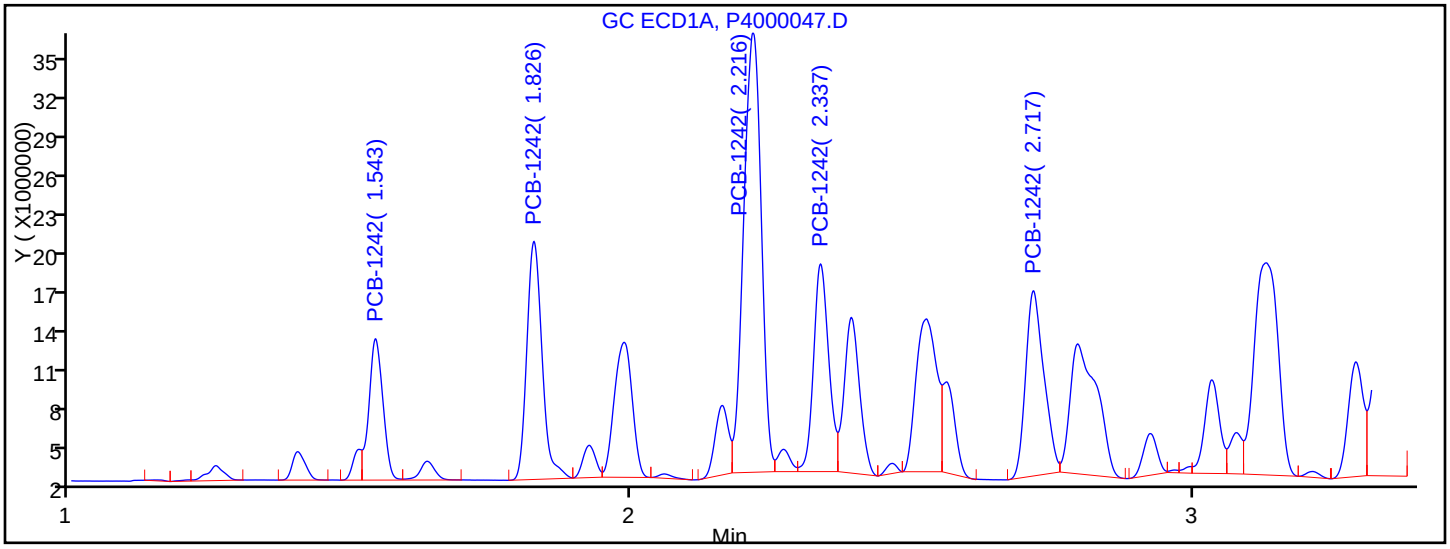
Report Date: 05-Dec-2012 06:33:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000047.D

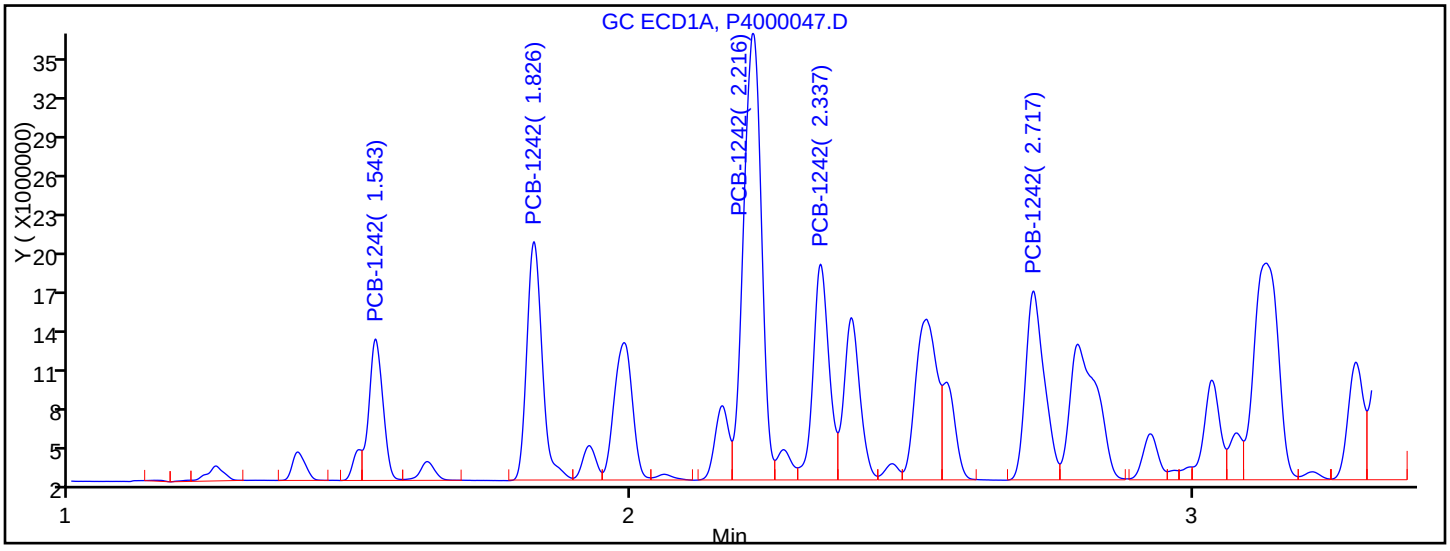
Injection Date:	04-Dec-2012 20:05:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	47
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.543	Response = 18795971	
RT = 1.826	Response = 34679928	M
RT = 2.216	Response = 73766424	M
RT = 2.337	Response = 30090112	M
RT = 2.717	Response = 32144289	M



Manual Integration Results

RT = 1.543	Response = 18795971	
RT = 1.826	Response = 34920123	M
RT = 2.216	Response = 76335758	M
RT = 2.337	Response = 32728104	M
RT = 2.717	Response = 33686829	M

Reviewer: hassl, 05-Dec-2012 06:28:48

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/47 Calibration Date: 12/04/2012 20:05

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 10:07

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 11:25

Lab File ID: P4000047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	13263537	12475102		0.941	1.00	-5.9	20.0
PCB-1242 Peak 2	Ave	26320242	25209623		0.958	1.00	-4.2	20.0
PCB-1242 Peak 3	Ave	51395974	53283589		1.04	1.00	3.7	20.0
PCB-1242 Peak 4	Ave	22420283	22464807		1.00	1.00	0.2	20.0
PCB-1242 Peak 5	Lin1		18507574		1.16	1.00	16.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/47 Calibration Date: 12/04/2012 20:05

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 10:07

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 11:25

Lab File ID: P4000047.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.14	2.03	2.23
PCB-1242 Peak 2	2.53	2.43	2.63
PCB-1242 Peak 3	2.98	2.88	3.08
PCB-1242 Peak 4	3.12	3.02	3.22
PCB-1242 Peak 5	3.61	3.50	3.70

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000047.D
Lims ID: ICV 1242 Client ID:
Inject. Date: 04-Dec-2012 20:05:39 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015497-047
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 67207 Lims Sample ID: 47
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

First Level Reviewer: hassl Date: 05-Dec-2012 06:26:17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.543	1.544	-0.001	18795971	0.9544		100.0	
1	2	1.826	1.827	-0.001	34920123	0.9614	161.9- 211.9	185.8	M
1	3	2.216	2.219	-0.003	76335758	1.03	349.2- 399.2	406.1	M
1	4	2.337	2.339	-0.002	32728104	0.99	143.3- 193.3	174.1	M
1	5	2.717	2.719	-0.002	33686829	1.02	141.6- 191.6	179.2	M
			Average of Peak Amounts =			0.99			
2	6	2.137	2.134	0.003	12475102	0.9406		100.0	
2	7	2.532	2.529	0.003	25209623	0.9578	170.9- 230.9	202.1	
2	8	2.983	2.980	0.003	53283589	1.04	354.9- 414.9	427.1	
2	9	3.121	3.119	0.002	22464807	1.00	140.5- 200.5	180.1	
2	10	3.605	3.602	0.003	18507574	1.16	115.3- 175.3	148.4	
			Average of Peak Amounts =			1.02			
						RPD = 2.94			

QC Flag Legend

Review Flags
M - Manually Integrated

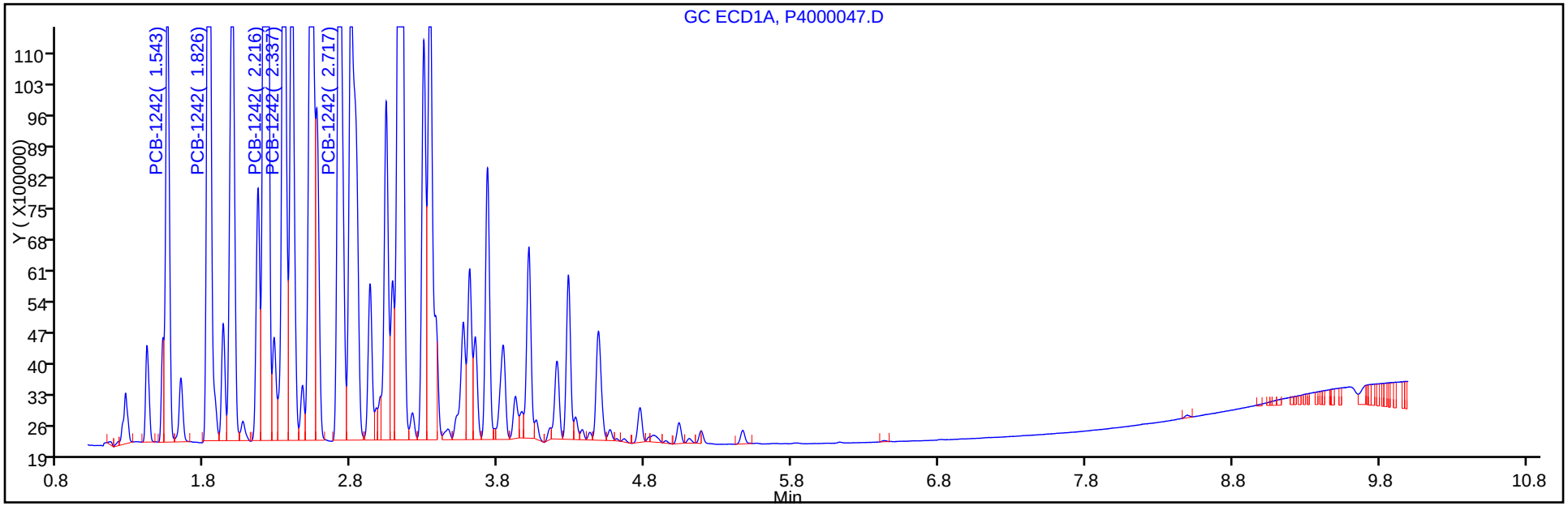
Report Date: 05-Dec-2012 06:33:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

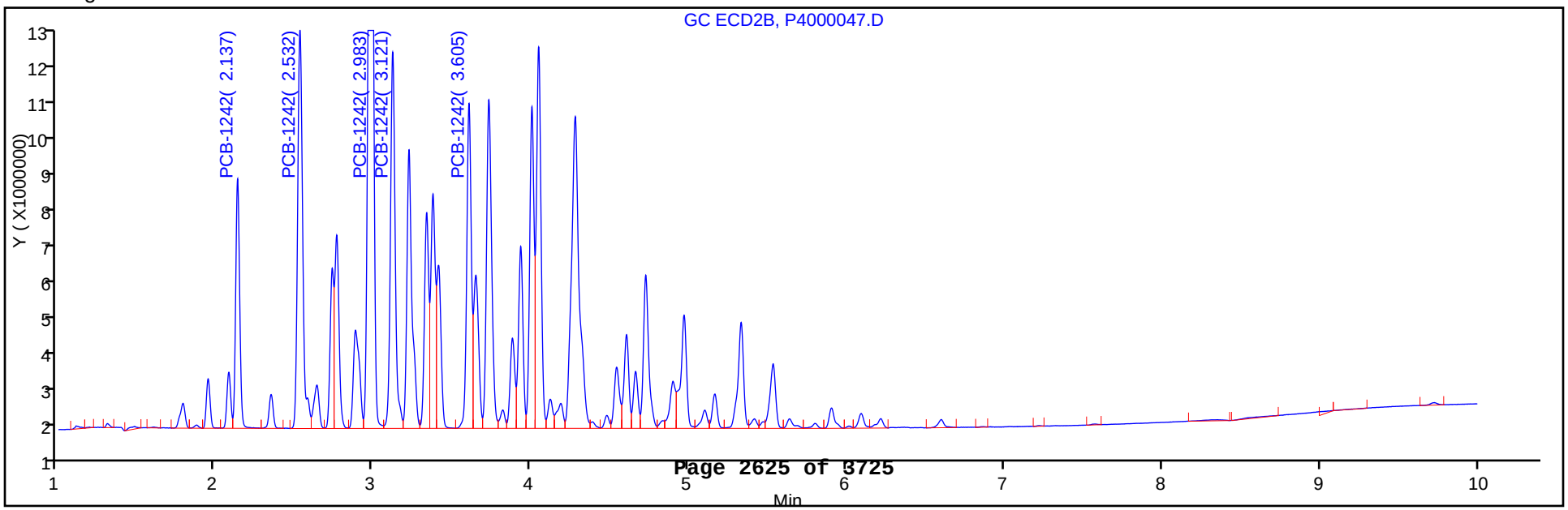
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000047.D

Injection Date:	04-Dec-2012 20:05:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	47
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/48 Calibration Date: 12/04/2012 20:21

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 11:41

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 13:00

Lab File ID: P4000048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	17933431	19963431		1.11	1.00	11.3	20.0
PCB-1248 Peak 2	Ave	46299417	53917675		1.16	1.00	16.5	20.0
PCB-1248 Peak 3	Ave	53701145	55027556		1.02	1.00	2.5	20.0
PCB-1248 Peak 4	Ave	30185230	31153350		1.03	1.00	3.2	20.0
PCB-1248 Peak 5	Ave	26162280	27402439		1.05	1.00	4.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/48 Calibration Date: 12/04/2012 20:21

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 11:41

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 13:00

Lab File ID: P4000048.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	1.82	1.72	1.92
PCB-1248 Peak 2	2.21	2.11	2.31
PCB-1248 Peak 3	2.72	2.61	2.81
PCB-1248 Peak 4	3.29	3.19	3.39
PCB-1248 Peak 5	3.72	3.62	3.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000048.D
Lims ID: ICV 1248 Client ID:
Inject. Date: 04-Dec-2012 20:21:20 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015497-048
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 48
Lims Batch ID: 67207 Lims Sample ID: 48
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.824	1.824	0.000	19963431	1.11		100.0	
1	2	2.214	2.212	0.002	53917675	1.16	218.6- 268.6	270.1	
1	3	2.715	2.714	0.001	55027556	1.02	271.2- 321.2	275.6	
1	4	3.291	3.291	0.000	31153350	1.03	139.9- 189.9	156.1	
1	5	3.724	3.724	0.000	27402439	1.05	120.7- 170.7	137.3	
			Average of Peak Amounts =			1.08			
2	6	2.531	2.531	0.000	14200196	1.09		100.0	
2	7	2.981	2.981	0.000	37891084	1.11	227.5- 287.5	266.8	
2	8	3.730	3.730	0.000	33790270	1.00	223.8- 283.8	238.0	
2	9	4.004	4.003	0.001	33938769	1.03	218.9- 278.9	239.0	
2	10	4.727	4.726	0.001	21350271	1.04	126.8- 186.8	150.4	
			Average of Peak Amounts =			1.05			
						RPD = 2.09			

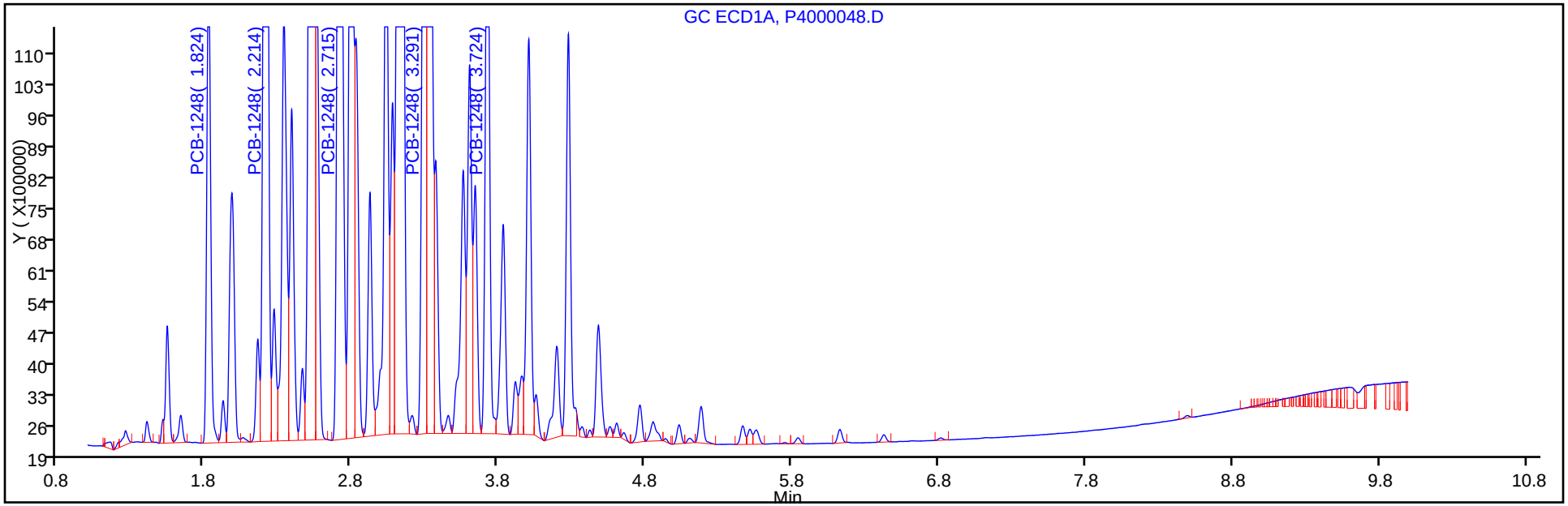
Report Date: 05-Dec-2012 06:33:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

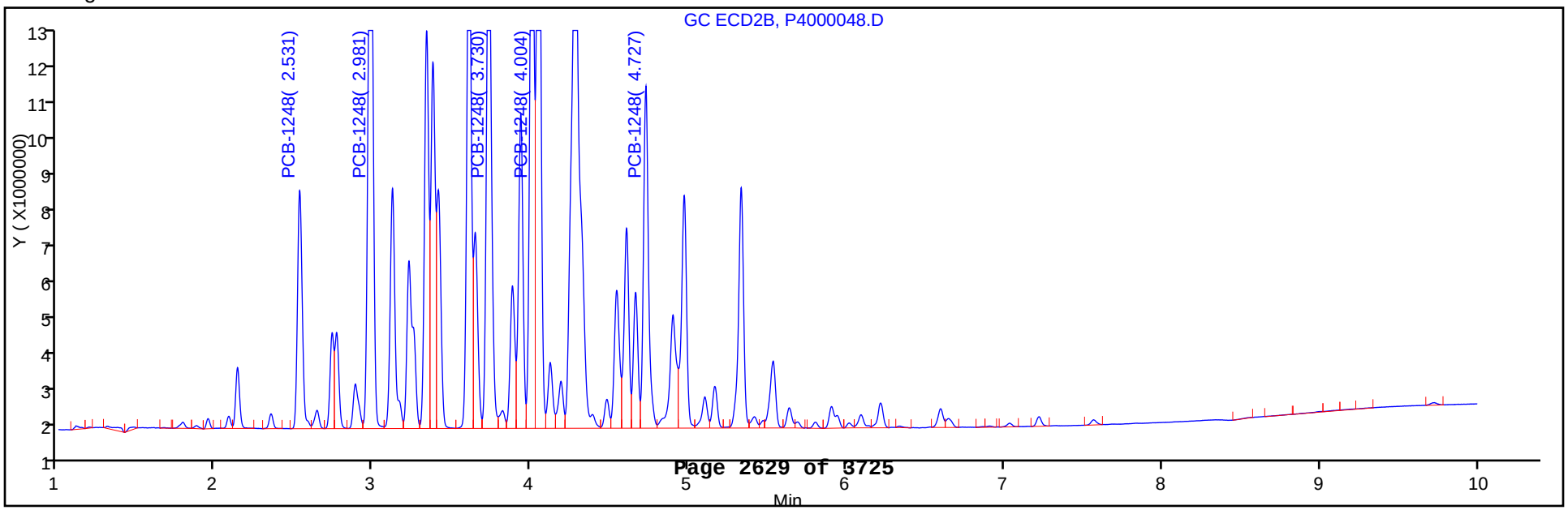
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000048.D

Injection Date:	04-Dec-2012 20:21:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	48
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/48 Calibration Date: 12/04/2012 20:21

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 11:41

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 13:00

Lab File ID: P4000048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	13001997	14200196		1.09	1.00	9.2	20.0
PCB-1248 Peak 2	Ave	34273598	37891084		1.11	1.00	10.6	20.0
PCB-1248 Peak 3	Ave	33671841	33790270		1.00	1.00	0.4	20.0
PCB-1248 Peak 4	Ave	33002432	33938769		1.03	1.00	2.8	20.0
PCB-1248 Peak 5	Ave	20505619	21350271		1.04	1.00	4.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/48 Calibration Date: 12/04/2012 20:21

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 11:41

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 13:00

Lab File ID: P4000048.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	2.53	2.43	2.63
PCB-1248 Peak 2	2.98	2.88	3.08
PCB-1248 Peak 3	3.73	3.63	3.83
PCB-1248 Peak 4	4.00	3.90	4.10
PCB-1248 Peak 5	4.73	4.63	4.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000048.D
Lims ID: ICV 1248 Client ID:
Inject. Date: 04-Dec-2012 20:21:20 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015497-048
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 48
Lims Batch ID: 67207 Lims Sample ID: 48
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.824	1.824	0.000	19963431	1.11		100.0	
1	2	2.214	2.212	0.002	53917675	1.16	218.6- 268.6	270.1	
1	3	2.715	2.714	0.001	55027556	1.02	271.2- 321.2	275.6	
1	4	3.291	3.291	0.000	31153350	1.03	139.9- 189.9	156.1	
1	5	3.724	3.724	0.000	27402439	1.05	120.7- 170.7	137.3	
			Average of Peak Amounts =			1.08			
2	6	2.531	2.531	0.000	14200196	1.09		100.0	
2	7	2.981	2.981	0.000	37891084	1.11	227.5- 287.5	266.8	
2	8	3.730	3.730	0.000	33790270	1.00	223.8- 283.8	238.0	
2	9	4.004	4.003	0.001	33938769	1.03	218.9- 278.9	239.0	
2	10	4.727	4.726	0.001	21350271	1.04	126.8- 186.8	150.4	
			Average of Peak Amounts =			1.05			
						RPD = 2.09			

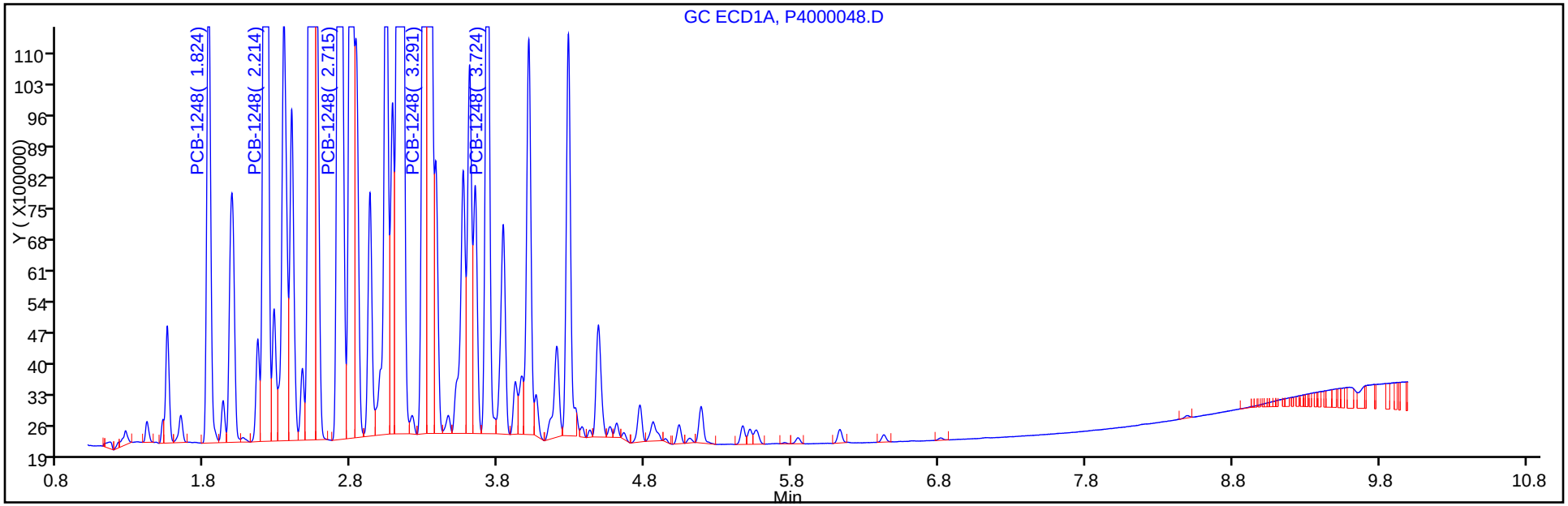
Report Date: 05-Dec-2012 06:33:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

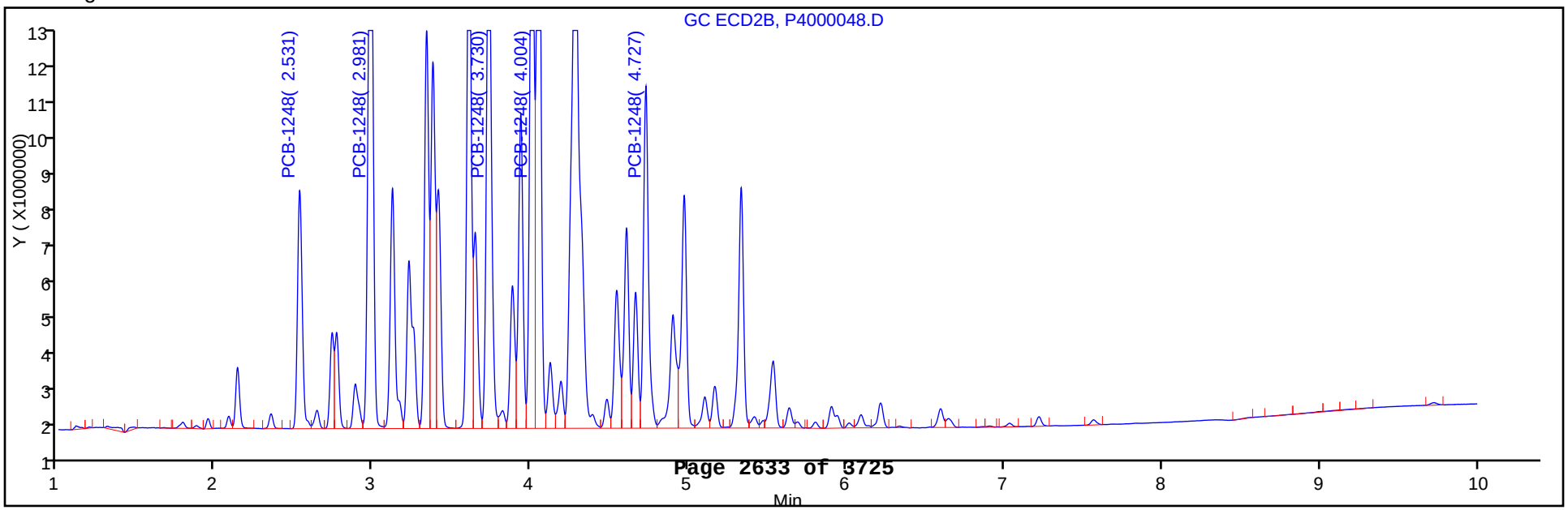
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000048.D

Injection Date:	04-Dec-2012 20:21:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	48
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/49 Calibration Date: 12/04/2012 20:37

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 13:16

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 14:34

Lab File ID: P4000049.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	40594815	44535293		1.10	1.00	9.7	20.0
PCB-1254 Peak 2	Ave	77269594	89072445		1.15	1.00	15.3	20.0
PCB-1254 Peak 3	Ave	60648715	73074335		1.20	1.00	20.5*	20.0
PCB-1254 Peak 4	Ave	52385516	61521418		1.17	1.00	17.4	20.0
PCB-1254 Peak 5	Ave	79692019	96889542		1.22	1.00	21.6*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/49 Calibration Date: 12/04/2012 20:37

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 13:16

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 14:34

Lab File ID: P4000049.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	3.08	2.98	3.18
PCB-1254 Peak 2	3.72	3.63	3.83
PCB-1254 Peak 3	4.01	3.91	4.11
PCB-1254 Peak 4	4.20	4.10	4.30
PCB-1254 Peak 5	4.48	4.38	4.58

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000049.D
Lims ID: ICV 1254 Client ID:
Inject. Date: 04-Dec-2012 20:37:11 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015497-049
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 49
Lims Batch ID: 67207 Lims Sample ID: 49
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

First Level Reviewer: hassl Date: 05-Dec-2012 06:26:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 PCB-1254									M
1	100	3.078	3.079	-0.001	44535293	1.10		100.0	M
1	2	3.724	3.726	-0.002	89072445	1.15	163.6- 213.6	200.0	M
1	3	4.005	4.007	-0.002	73074335	1.20	127.7- 177.7	164.1	M
1	4	4.197	4.198	-0.001	61521418	1.17	104.8- 154.8	138.1	M
1	5	4.479	4.481	-0.002	96889542	1.22	169.3- 219.3	217.6	
			Average of Peak Amounts =			1.17			
2	6	4.249	4.251	-0.002	42365188	1.11		100.0	
2	7	4.726	4.726	0.000	67687379	1.14	126.1- 186.1	159.8	
2	8	4.969	4.970	-0.001	49250562	1.16	82.5- 142.5	116.3	
2	9	5.329	5.331	-0.002	55313972	1.15	94.9- 154.9	130.6	
2	10	5.533	5.535	-0.002	69678852	1.22	120.0- 180.0	164.5	
			Average of Peak Amounts =			1.15			
						RPD = 1.30			

QC Flag Legend

Review Flags
M - Manually Integrated

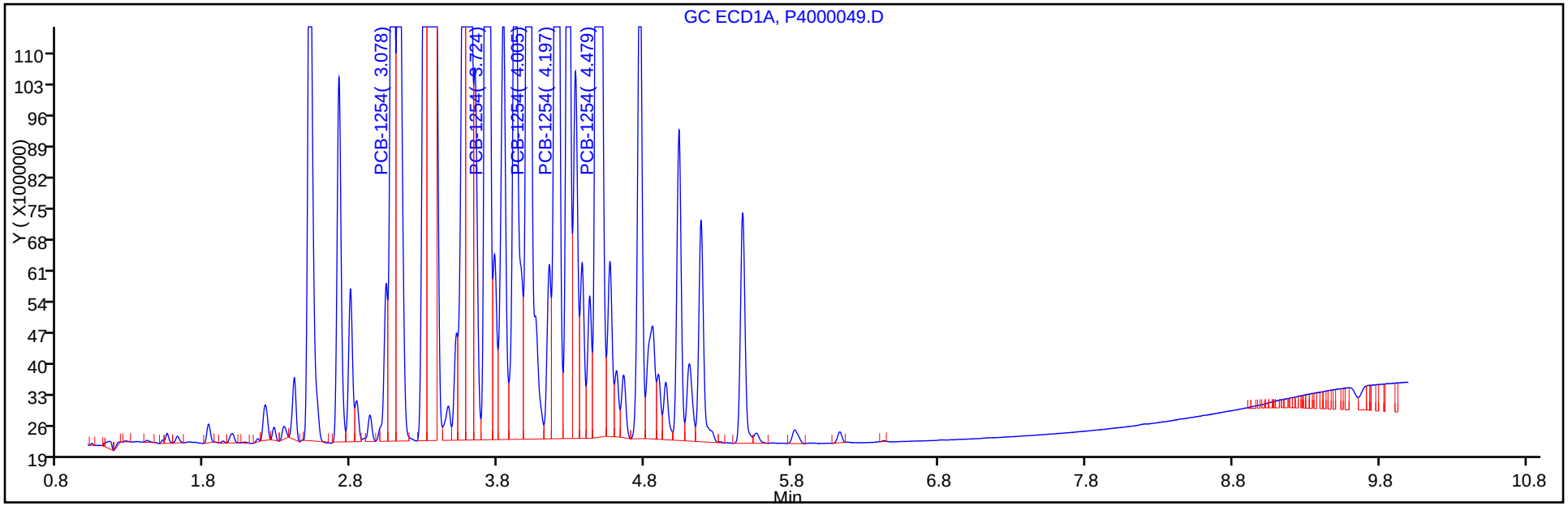
Report Date: 05-Dec-2012 06:33:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

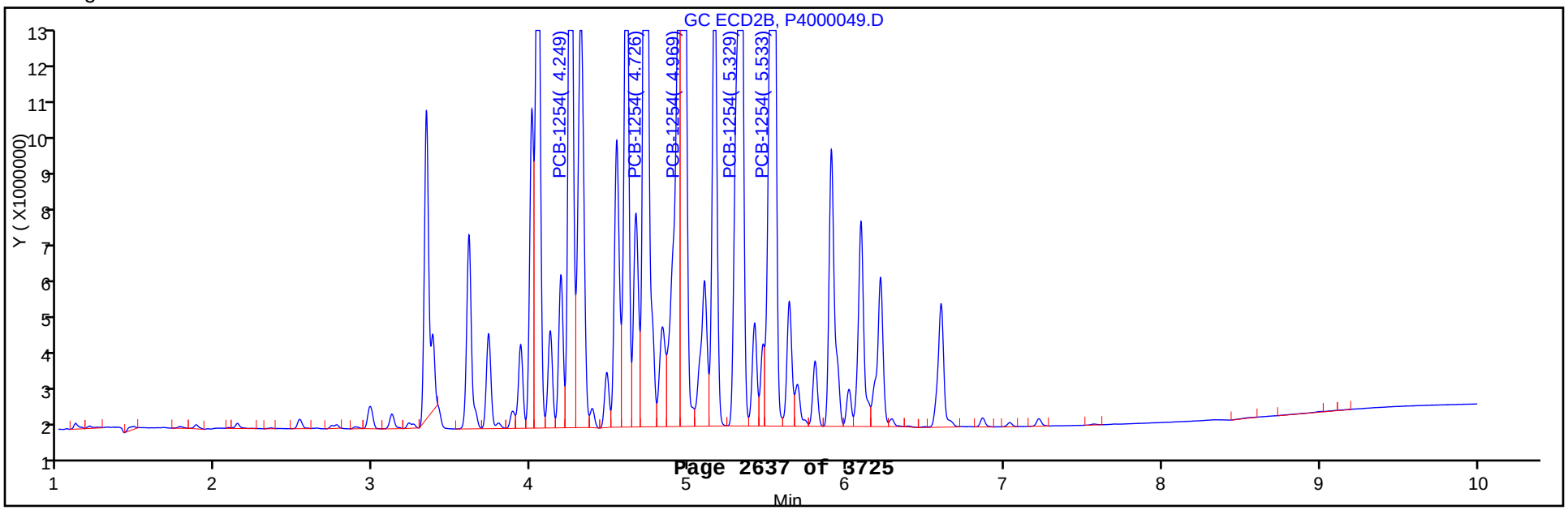
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000049.D

Injection Date:	04-Dec-2012 20:37:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	49
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



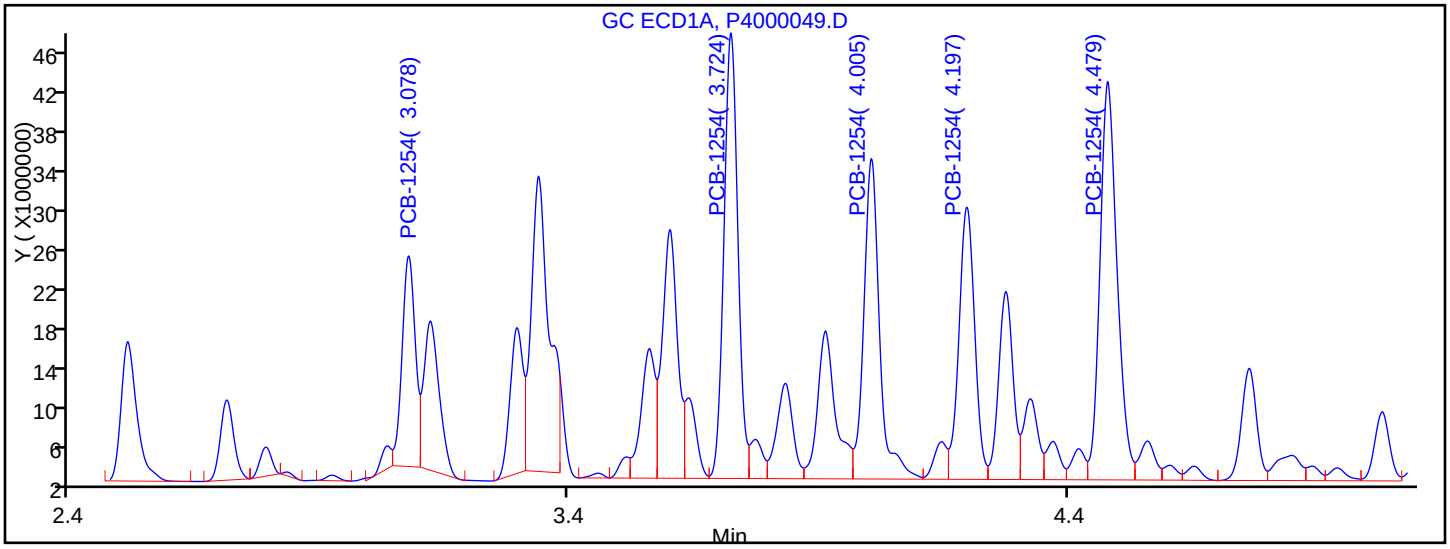
Report Date: 05-Dec-2012 06:33:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000049.D

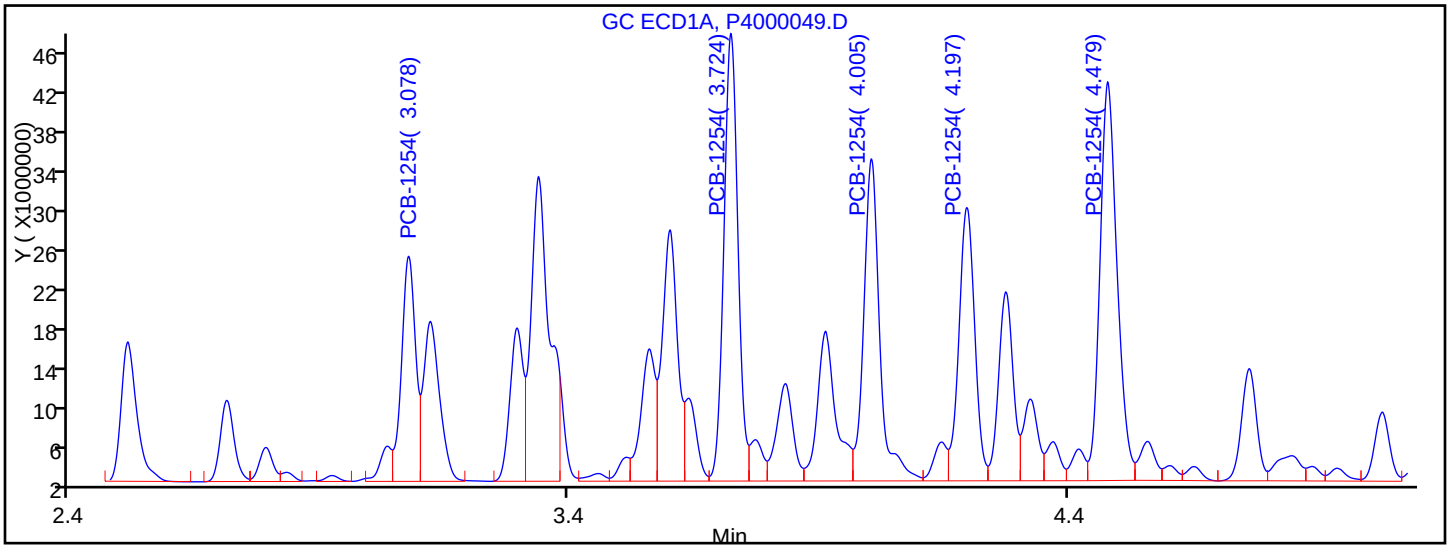
Injection Date:	04-Dec-2012 20:37:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	49
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 PCB-1254, Detector: 1, GC ECD1A



Processing Integration Results

RT = 3.078	Response = 39558619	M
RT = 3.724	Response = 87970233	M
RT = 4.005	Response = 71771404	M
RT = 4.197	Response = 60969798	M
RT = 4.479	Response = 96889542	



Manual Integration Results

RT = 3.078	Response = 44535293	M
RT = 3.724	Response = 89072445	M
RT = 4.005	Response = 73074335	M
RT = 4.197	Response = 61521418	M
RT = 4.479	Response = 96889542	

Reviewer: hassl, 05-Dec-2012 06:28:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/49 Calibration Date: 12/04/2012 20:37

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 13:16

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 14:34

Lab File ID: P4000049.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	38287706	42365188		1.11	1.00	10.6	20.0
PCB-1254 Peak 2	Ave	59604282	67687379		1.14	1.00	13.6	20.0
PCB-1254 Peak 3	Ave	42447140	49250562		1.16	1.00	16.0	20.0
PCB-1254 Peak 4	Ave	48116113	55313972		1.15	1.00	15.0	20.0
PCB-1254 Peak 5	Ave	57236022	69678852		1.22	1.00	21.7*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/49 Calibration Date: 12/04/2012 20:37

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 13:16

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 14:34

Lab File ID: P4000049.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	4.25	4.15	4.35
PCB-1254 Peak 2	4.73	4.63	4.83
PCB-1254 Peak 3	4.97	4.87	5.07
PCB-1254 Peak 4	5.33	5.23	5.43
PCB-1254 Peak 5	5.53	5.44	5.64

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000049.D
Lims ID: ICV 1254 Client ID:
Inject. Date: 04-Dec-2012 20:37:11 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015497-049
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 49
Lims Batch ID: 67207 Lims Sample ID: 49
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

First Level Reviewer: hassl Date: 05-Dec-2012 06:26:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 PCB-1254									M
1	100	3.078	3.079	-0.001	44535293	1.10		100.0	M
1	2	3.724	3.726	-0.002	89072445	1.15	163.6- 213.6	200.0	M
1	3	4.005	4.007	-0.002	73074335	1.20	127.7- 177.7	164.1	M
1	4	4.197	4.198	-0.001	61521418	1.17	104.8- 154.8	138.1	M
1	5	4.479	4.481	-0.002	96889542	1.22	169.3- 219.3	217.6	
			Average of Peak Amounts =			1.17			
2	6	4.249	4.251	-0.002	42365188	1.11		100.0	
2	7	4.726	4.726	0.000	67687379	1.14	126.1- 186.1	159.8	
2	8	4.969	4.970	-0.001	49250562	1.16	82.5- 142.5	116.3	
2	9	5.329	5.331	-0.002	55313972	1.15	94.9- 154.9	130.6	
2	10	5.533	5.535	-0.002	69678852	1.22	120.0- 180.0	164.5	
			Average of Peak Amounts =			1.15			
						RPD = 1.30			

QC Flag Legend

Review Flags
M - Manually Integrated

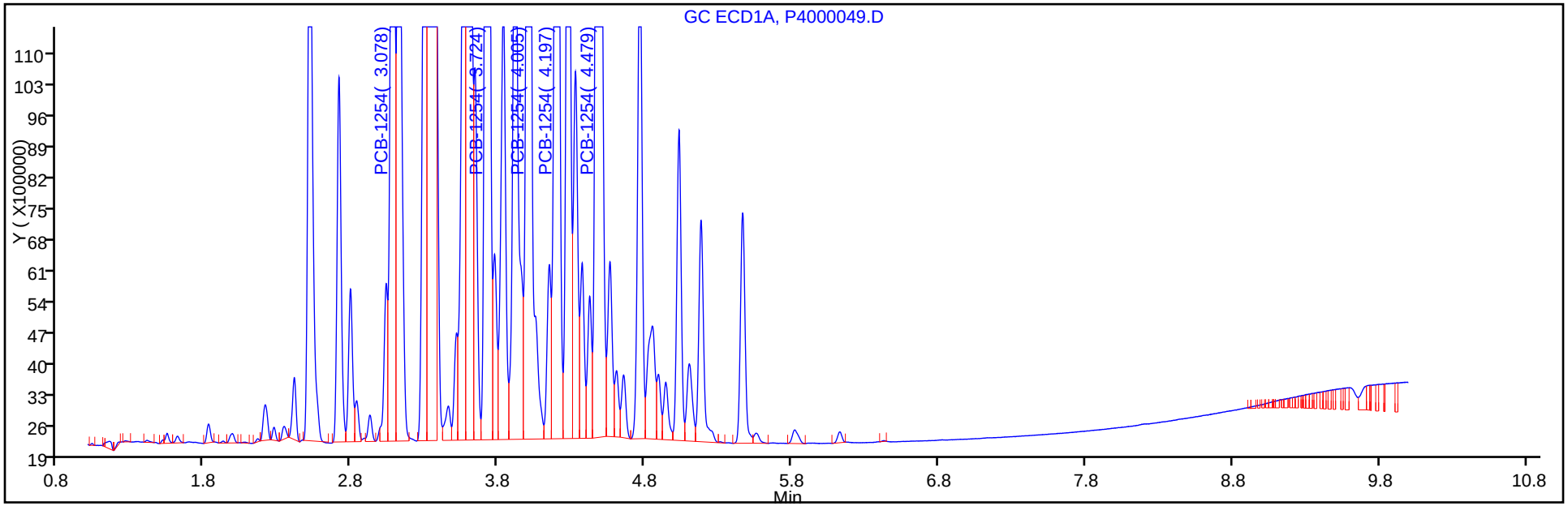
Report Date: 05-Dec-2012 06:33:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

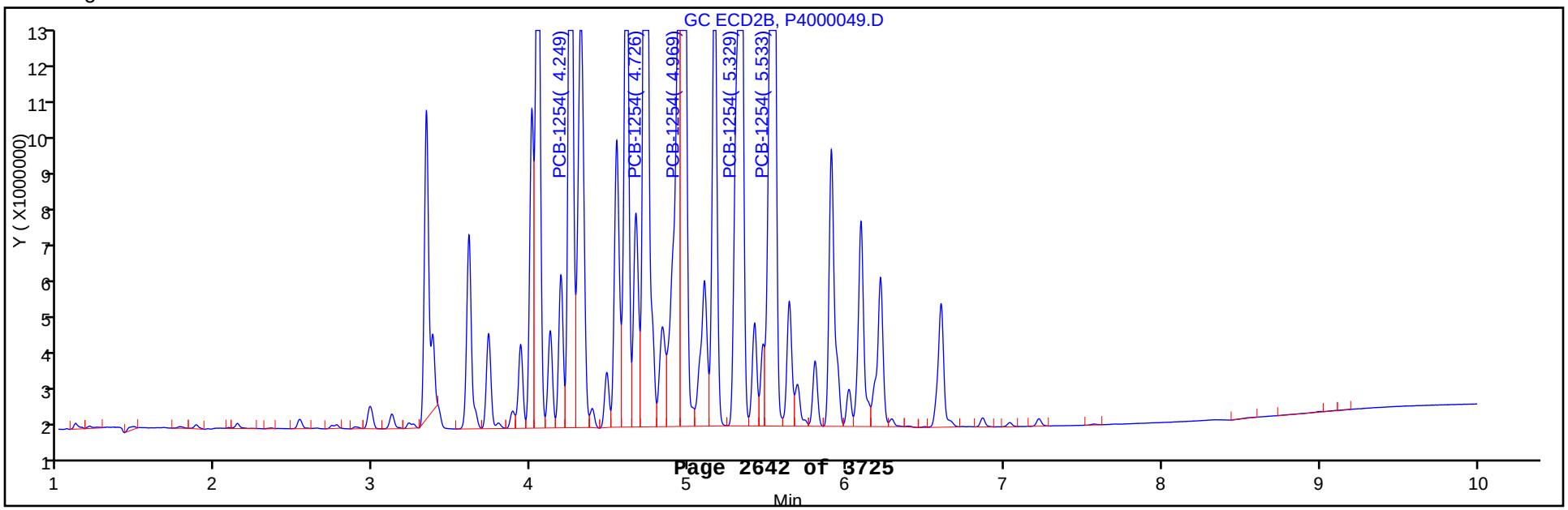
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000049.D

Injection Date:	04-Dec-2012 20:37:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	49
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/50 Calibration Date: 12/04/2012 20:52

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000050.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24702533	24195459		0.979	1.00	-2.1	20.0
PCB-1016 Peak 2	Ave	44151983	45983716		1.04	1.00	4.1	20.0
PCB-1016 Peak 3	Ave	91223581	100953314		1.11	1.00	10.7	20.0
PCB-1016 Peak 4	Ave	40436349	43150145		1.07	1.00	6.7	20.0
PCB-1016 Peak 5	Ave	40503627	42968222		1.06	1.00	6.1	20.0
PCB-1260 Peak 1	Ave	59343359	62062369		1.05	1.00	4.6	20.0
PCB-1260 Peak 2	Ave	107397135	113184910		1.05	1.00	5.4	20.0
PCB-1260 Peak 3	Ave	110273317	108069085		0.980	1.00	-2.0	20.0
PCB-1260 Peak 4	Ave	124594955	157879816		1.27	1.00	26.7*	20.0
PCB-1260 Peak 5	Ave	66509184	77513577		1.17	1.00	16.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/50 Calibration Date: 12/04/2012 20:52

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000050.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.54	1.44	1.64
PCB-1016 Peak 2	1.82	1.72	1.92
PCB-1016 Peak 3	2.22	2.12	2.32
PCB-1016 Peak 4	2.34	2.24	2.44
PCB-1016 Peak 5	2.72	2.62	2.82
PCB-1260 Peak 1	3.91	3.81	4.01
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.46	5.36	5.56

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000050.D
Lims ID: ICV 1660 Client ID:
Inject. Date: 04-Dec-2012 20:52:53 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015497-050
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 50
Lims Batch ID: 67207 Lims Sample ID: 50
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

First Level Reviewer: hassl Date: 05-Dec-2012 06:28:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									M
1	100	1.541	1.541	0.000	24195459	0.9795		100.0	
1	2	1.824	1.824	0.000	45983716	1.04	152.4- 202.4	190.1	
1	3	2.215	2.216	-0.001	100953314	1.11	334.6- 384.6	417.2	
1	4	2.335	2.336	-0.001	43150145	1.07	125.4- 195.4	178.3	
1	5	2.715	2.716	-0.001	42968222	1.06	136.2- 186.2	177.6	
			Average of Peak Amounts =			1.05			
2	6	2.135	2.136	-0.001	16431781	1.04		100.0	
2	7	2.531	2.531	0.000	33301556	1.06	169.0- 229.0	202.7	M
2	8	2.981	2.981	0.000	70862635	1.12	361.2- 421.2	431.3	M
2	9	3.120	3.120	0.000	29789267	1.08	144.4- 204.4	181.3	M
2	10	3.223	3.223	0.000	23881527	1.09	108.9- 168.9	145.3	M
			Average of Peak Amounts =			1.08			
						RPD = 2.57			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.913	3.914	-0.001	62062369	1.05		100.0	
1	2	4.200	4.199	0.001	113184910	1.05	156.3- 206.3	182.4	
1	3	4.479	4.479	0.000	108069085	0.9800	159.6- 209.6	174.1	
1	4	5.180	5.181	-0.001	157879816	1.27	183.4- 233.4	254.4	
1	5	5.464	5.464	0.000	77513577	1.17	87.0- 137.0	124.9	
			Average of Peak Amounts =			1.10			
2	6	4.933	4.933	0.000	45970322	1.01		100.0	
2	7	5.163	5.162	0.001	56399266	1.03	86.9- 146.9	122.7	
2	8	5.530	5.530	0.000	79246906	0.9827	145.2- 205.2	172.4	
2	9	6.216	6.216	0.000	123025715	1.27	177.4- 237.4	267.6	
2	10	6.597	6.598	-0.001	86384566	1.20	125.7- 185.7	187.9	
			Average of Peak Amounts =			1.10			
						RPD = 0.23			

QC Flag Legend

Review Flags
M - Manually Integrated

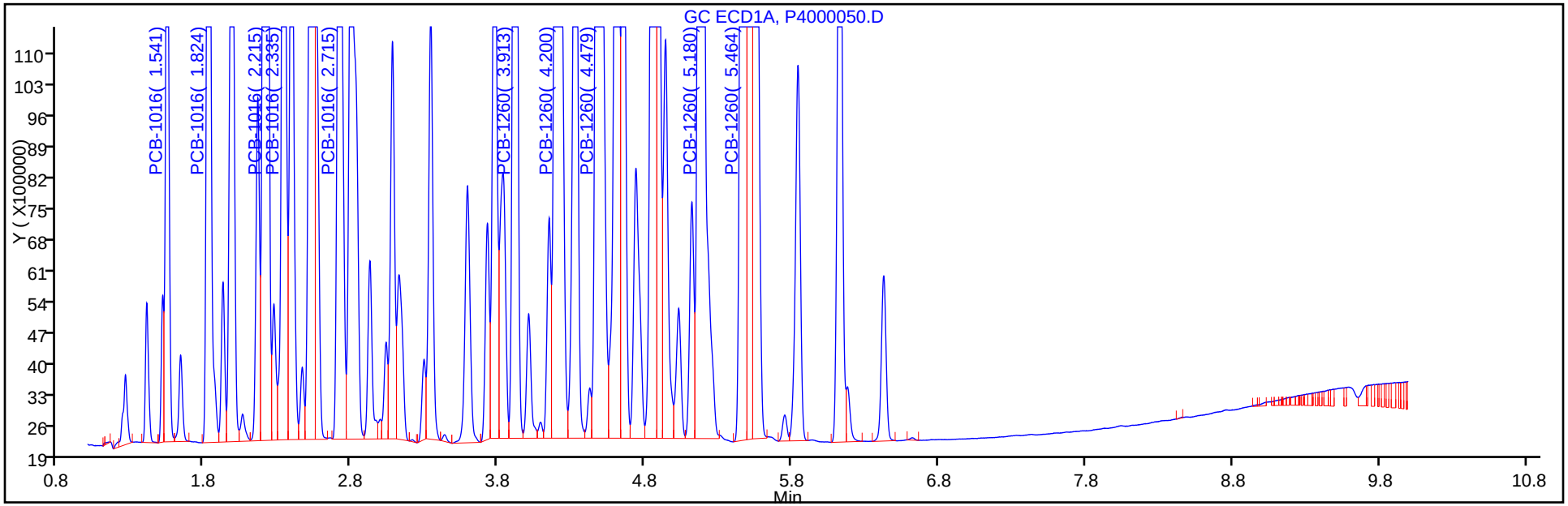
Report Date: 05-Dec-2012 06:33:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

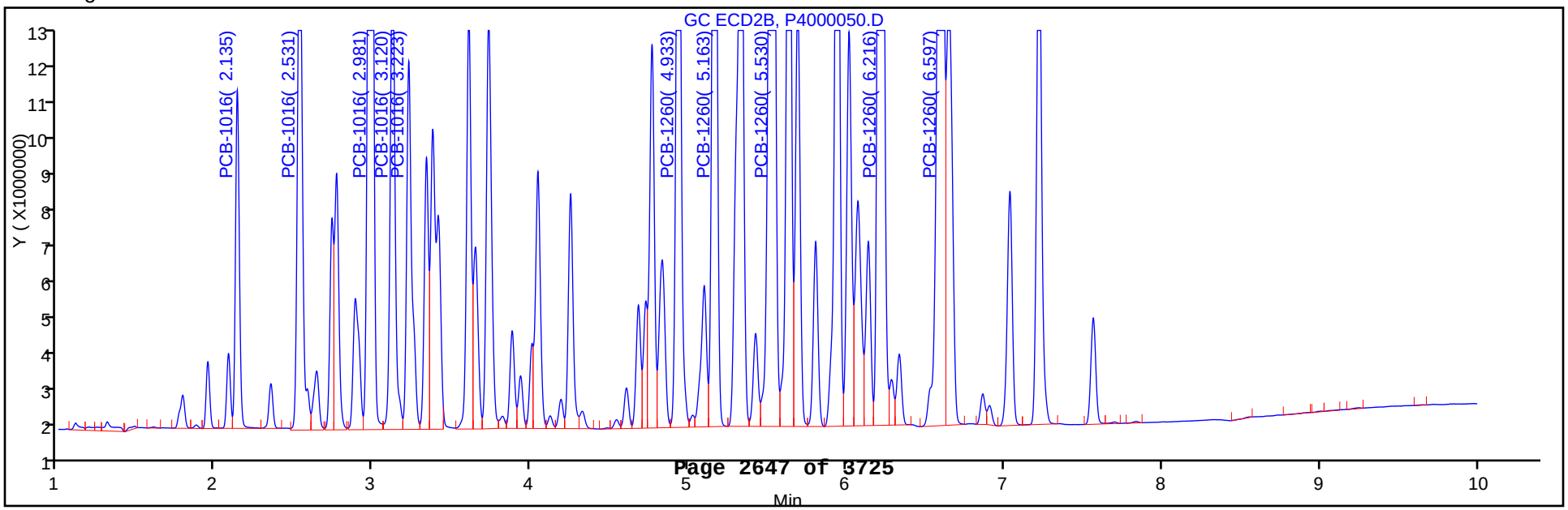
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000050.D

Injection Date:	04-Dec-2012 20:52:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	50
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/50 Calibration Date: 12/04/2012 20:52

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000050.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	15807169	16431781		1.04	1.00	4.0	20.0
PCB-1016 Peak 2	Ave	31440012	33301556		1.06	1.00	5.9	20.0
PCB-1016 Peak 3	Ave	63200288	70862635		1.12	1.00	12.1	20.0
PCB-1016 Peak 4	Ave	27607491	29789267		1.08	1.00	7.9	20.0
PCB-1016 Peak 5	Ave	21845224	23881527		1.09	1.00	9.3	20.0
PCB-1260 Peak 1	Ave	45527908	45970322		1.01	1.00	1.0	20.0
PCB-1260 Peak 2	Ave	54580002	56399266		1.03	1.00	3.3	20.0
PCB-1260 Peak 3	Ave	80645277	79246906		0.983	1.00	-1.7	20.0
PCB-1260 Peak 4	Ave	96793644	123025715		1.27	1.00	27.1*	20.0
PCB-1260 Peak 5	Ave	71805358	86384566		1.20	1.00	20.3*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67207/50 Calibration Date: 12/04/2012 20:52

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000050.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.04	2.24
PCB-1016 Peak 2	2.53	2.43	2.63
PCB-1016 Peak 3	2.98	2.88	3.08
PCB-1016 Peak 4	3.12	3.02	3.22
PCB-1016 Peak 5	3.22	3.12	3.32
PCB-1260 Peak 1	4.93	4.83	5.03
PCB-1260 Peak 2	5.16	5.06	5.26
PCB-1260 Peak 3	5.53	5.43	5.63
PCB-1260 Peak 4	6.22	6.12	6.32
PCB-1260 Peak 5	6.60	6.50	6.70

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000050.D
Lims ID: ICV 1660 Client ID:
Inject. Date: 04-Dec-2012 20:52:53 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015497-050
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 ul ALS Bottle#: 50
Lims Batch ID: 67207 Lims Sample ID: 50
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\PCB4.m
Last Update: 05-Dec-2012 06:33:07 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK010

First Level Reviewer: hassl Date: 05-Dec-2012 06:28:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									M
1	100	1.541	1.541	0.000	24195459	0.9795		100.0	
1	2	1.824	1.824	0.000	45983716	1.04	152.4- 202.4	190.1	
1	3	2.215	2.216	-0.001	100953314	1.11	334.6- 384.6	417.2	
1	4	2.335	2.336	-0.001	43150145	1.07	125.4- 195.4	178.3	
1	5	2.715	2.716	-0.001	42968222	1.06	136.2- 186.2	177.6	
			Average of Peak Amounts =			1.05			
2	6	2.135	2.136	-0.001	16431781	1.04		100.0	
2	7	2.531	2.531	0.000	33301556	1.06	169.0- 229.0	202.7	M
2	8	2.981	2.981	0.000	70862635	1.12	361.2- 421.2	431.3	M
2	9	3.120	3.120	0.000	29789267	1.08	144.4- 204.4	181.3	M
2	10	3.223	3.223	0.000	23881527	1.09	108.9- 168.9	145.3	M
			Average of Peak Amounts =			1.08			
						RPD = 2.57			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.913	3.914	-0.001	62062369	1.05		100.0	
1	2	4.200	4.199	0.001	113184910	1.05	156.3- 206.3	182.4	
1	3	4.479	4.479	0.000	108069085	0.9800	159.6- 209.6	174.1	
1	4	5.180	5.181	-0.001	157879816	1.27	183.4- 233.4	254.4	
1	5	5.464	5.464	0.000	77513577	1.17	87.0- 137.0	124.9	
			Average of Peak Amounts =			1.10			
2	6	4.933	4.933	0.000	45970322	1.01		100.0	
2	7	5.163	5.162	0.001	56399266	1.03	86.9- 146.9	122.7	
2	8	5.530	5.530	0.000	79246906	0.9827	145.2- 205.2	172.4	
2	9	6.216	6.216	0.000	123025715	1.27	177.4- 237.4	267.6	
2	10	6.597	6.598	-0.001	86384566	1.20	125.7- 185.7	187.9	
			Average of Peak Amounts =			1.10			
						RPD = 0.23			

QC Flag Legend

Review Flags
M - Manually Integrated

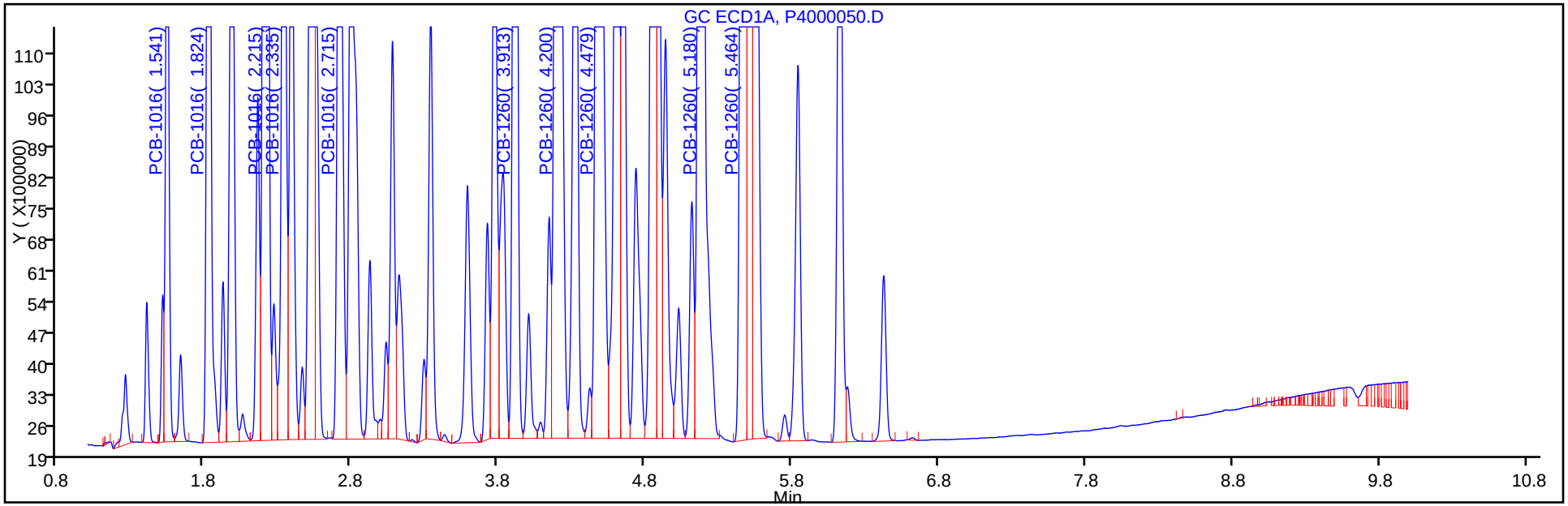
Report Date: 05-Dec-2012 06:33:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

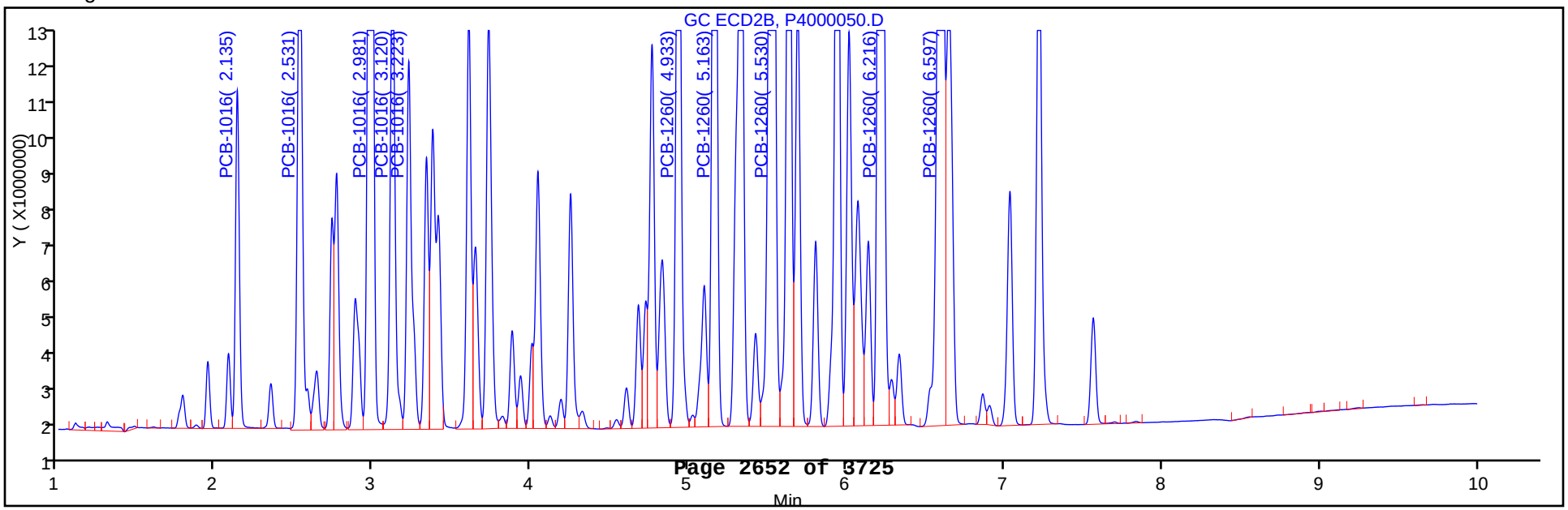
Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000050.D

Injection Date:	04-Dec-2012 20:52:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	50
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



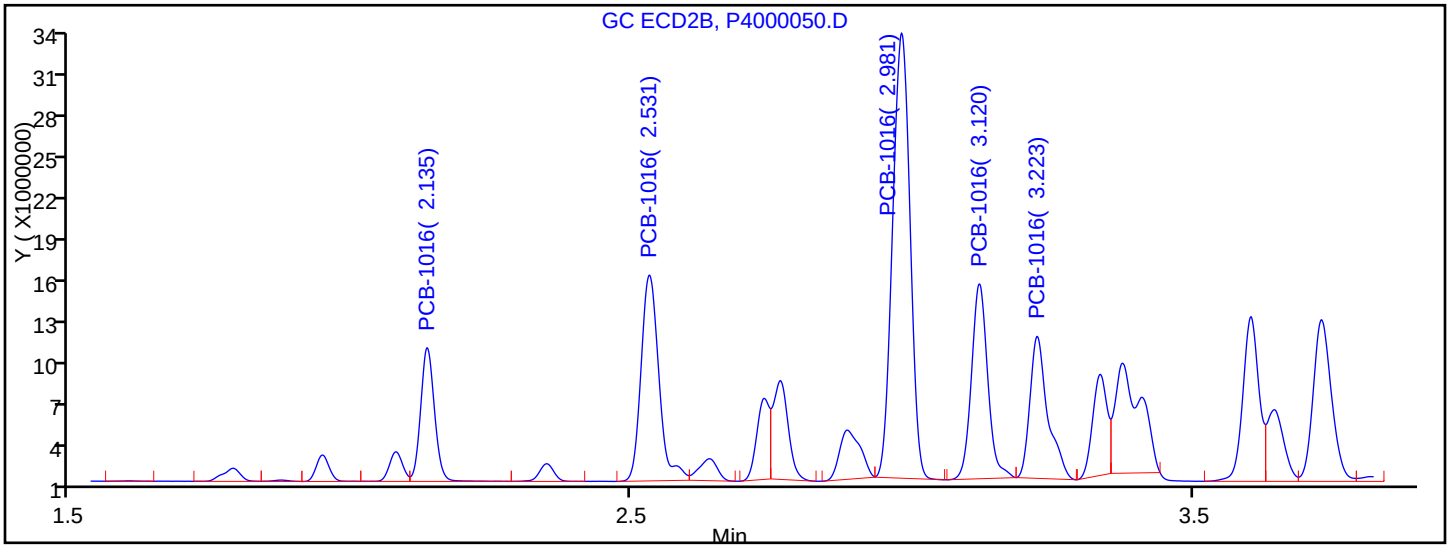
Report Date: 05-Dec-2012 06:33:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000050.D

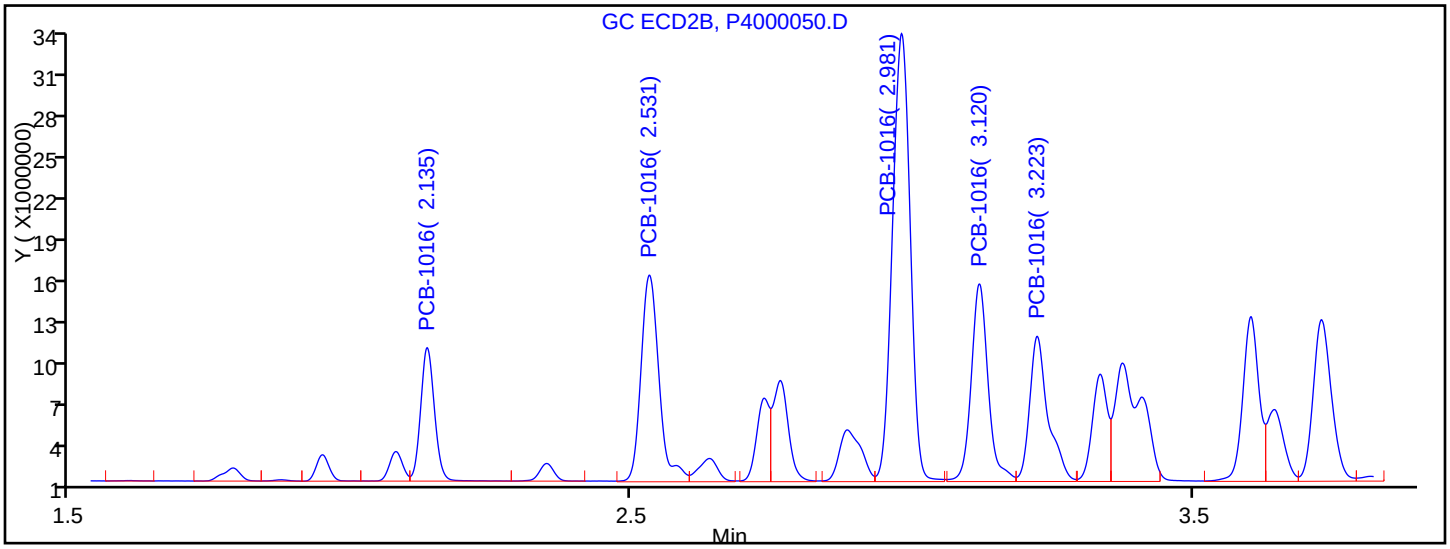
Injection Date:	04-Dec-2012 20:52:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	67207	Lims Sample ID:	50
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 2, GC ecd2b



Processing Integration Results

RT = 2.135	Response = 16431781	
RT = 2.531	Response = 32618265	M
RT = 2.981	Response = 69057477	M
RT = 3.120	Response = 28124023	M
RT = 3.223	Response = 22442864	M



Manual Integration Results

RT = 2.135	Response = 16431781	
RT = 2.531	Response = 33301556	M
RT = 2.981	Response = 70862635	M
RT = 3.120	Response = 29789267	M
RT = 3.223	Response = 23881527	M

Reviewer: hassl, 05-Dec-2012 06:28:11

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69717/3 Calibration Date: 12/21/2012 06:50

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24702533	24045720		0.487	0.500	-2.7	20.0
PCB-1016 Peak 2	Ave	44151983	42593058		0.482	0.500	-3.5	20.0
PCB-1016 Peak 3	Ave	91223581	92585732		0.507	0.500	1.5	20.0
PCB-1016 Peak 4	Ave	40436349	39537472		0.489	0.500	-2.2	20.0
PCB-1016 Peak 5	Ave	40503627	39138528		0.483	0.500	-3.4	20.0
PCB-1260 Peak 1	Ave	59343359	54831524		0.462	0.500	-7.6	20.0
PCB-1260 Peak 2	Ave	107397135	99811824		0.465	0.500	-7.1	20.0
PCB-1260 Peak 3	Ave	110273317	101494450		0.460	0.500	-8.0	20.0
PCB-1260 Peak 4	Ave	124594955	107621520		0.432	0.500	-13.6	20.0
PCB-1260 Peak 5	Ave	66509184	56265464		0.423	0.500	-15.4	20.0
Tetrachloro-m-xylene	Ave	1393525317	1382992200		0.0248	0.0250	-0.8	20.0
DCB Decachlorobiphenyl	Ave	1299788350	1015522640		0.0195	0.0250	-21.9*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69717/3 Calibration Date: 12/21/2012 06:50

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.54	1.44	1.64
PCB-1016 Peak 2	1.82	1.72	1.92
PCB-1016 Peak 3	2.21	2.11	2.31
PCB-1016 Peak 4	2.33	2.23	2.43
PCB-1016 Peak 5	2.71	2.61	2.81
PCB-1260 Peak 1	3.91	3.81	4.01
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.46	5.36	5.56
Tetrachloro-m-xylene	1.27	1.17	1.37
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000003.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 21-Dec-2012 06:50:03 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016082-003
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 3
Lims Batch ID: 69717 Lims Sample ID: 3
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m
Last Update: 21-Dec-2012 13:23:25 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

First Level Reviewer: hassl Date: 21-Dec-2012 09:43:41

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	34574805	0.0248			
2	2	1.671	1.671	0.000	24513359	0.0271			
						RPD = 8.87			
6 PCB-1016									
1	100	1.540	1.540	0.000	12022860	0.4867		100.0	
1	2	1.822	1.822	0.000	21296529	0.4823	152.4- 202.4	177.1	
1	3	2.213	2.213	0.000	46292866	0.5075	334.6- 384.6	385.0	
1	4	2.334	2.334	0.000	19768736	0.4889	125.4- 195.4	164.4	
1	5	2.712	2.712	0.000	19569264	0.4831	136.2- 186.2	162.8	
			Average of Peak Amounts =			0.4897			
2	6	2.133	2.133	0.000	8224993	0.5203		100.0	
2	7	2.528	2.528	0.000	16333848	0.5195	169.0- 229.0	198.6	
2	8	2.978	2.978	0.000	34468434	0.5454	361.2- 421.2	419.1	
2	9	3.116	3.116	0.000	14486584	0.5247	144.4- 204.4	176.1	
2	10	3.220	3.220	0.000	11407315	0.5222	108.9- 168.9	138.7	
			Average of Peak Amounts =			0.5264			
						RPD = 7.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.911	3.911	0.000	27415762	0.4620		100.0	
1	2	4.198	4.198	0.000	49905912	0.4647	156.3- 206.3	182.0	
1	3	4.478	4.478	0.000	50747225	0.4602	159.6- 209.6	185.1	
1	4	5.180	5.180	0.000	53810760	0.4319	183.4- 233.4	196.3	
1	5	5.463	5.463	0.000	28132732	0.4230	87.0- 137.0	102.6	
			Average of Peak Amounts =			0.4483			
2	6	4.931	4.931	0.000	19364580	0.4253		100.0	
2	7	5.160	5.160	0.000	22311672	0.4088	86.9- 146.9	115.2	
2	8	5.528	5.528	0.000	34713688	0.4304	145.2- 205.2	179.3	M
2	9	6.214	6.214	0.000	40285422	0.4162	177.4- 237.4	208.0	M
2	10	6.596	6.596	0.000	29107983	0.4054	125.7- 185.7	150.3	M
			Average of Peak Amounts =			0.4172			
						RPD = 7.19			
$ 12 DCB Decachlorobiphenyl									
1	100	6.621	6.621	0.000	25388066	0.0195			
2	2	7.834	7.834	0.000	18586529	0.0188			
						RPD = 4.08			

QC Flag Legend

Review Flags
M - Manually Integrated

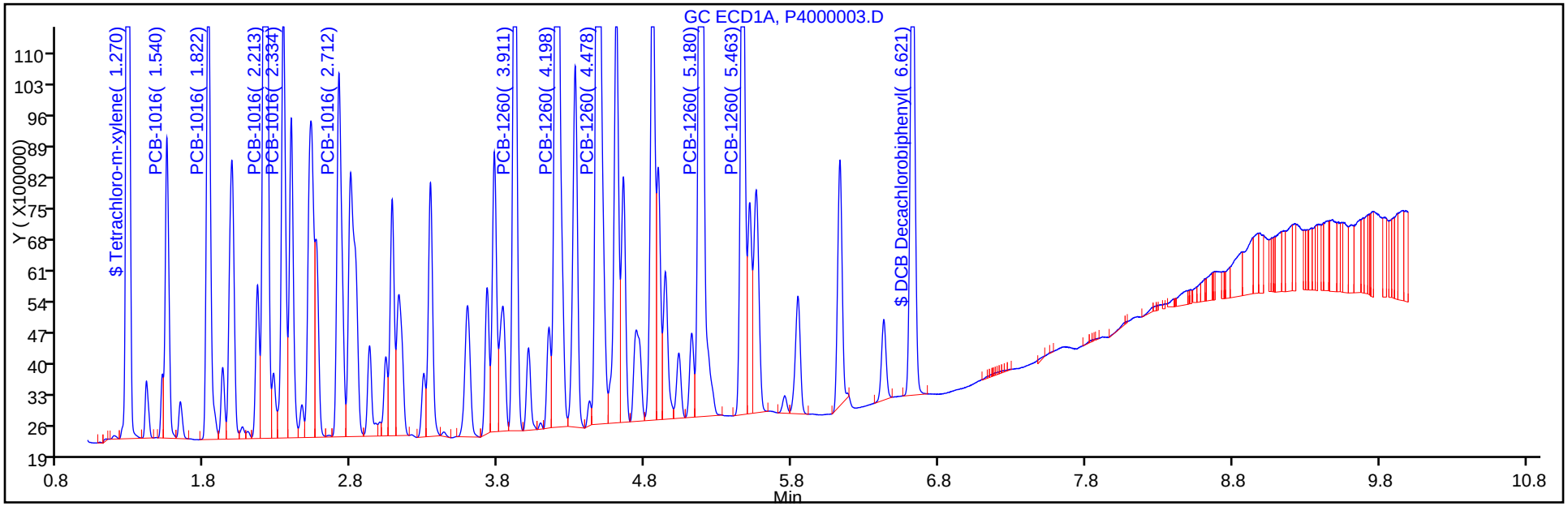
Report Date: 21-Dec-2012 13:23:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

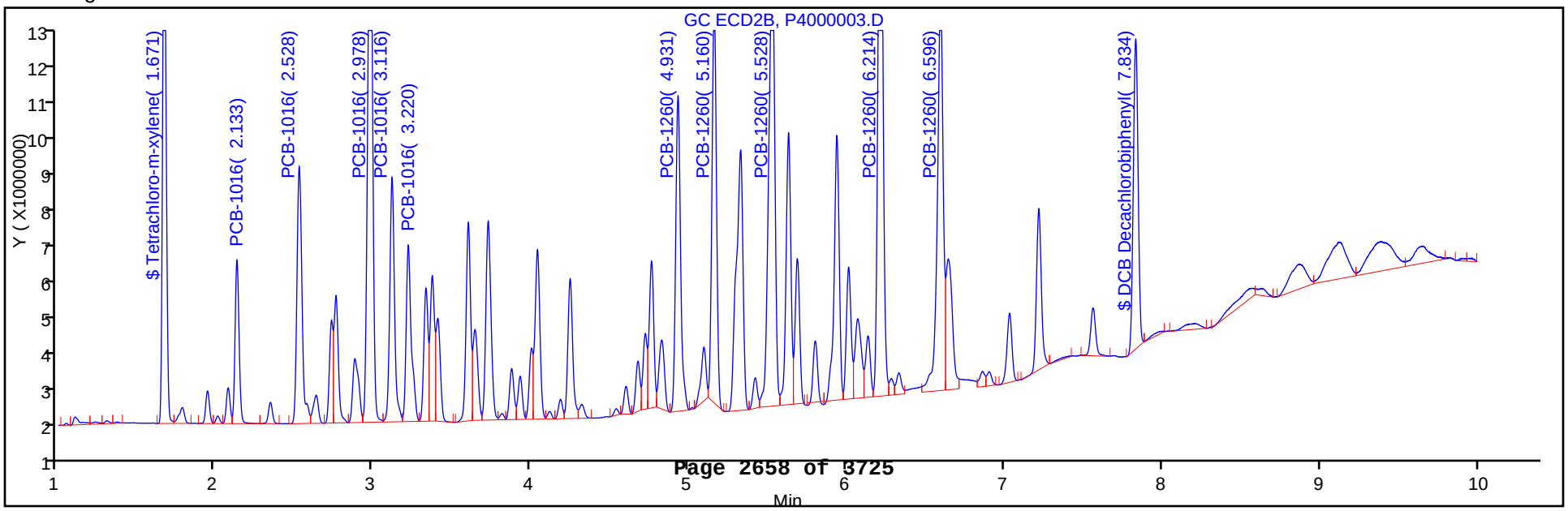
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000003.D

Injection Date:	21-Dec-2012 06:50:03	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69717/3 Calibration Date: 12/21/2012 06:50

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	15807169	16449986		0.520	0.500	4.1	20.0
PCB-1016 Peak 2	Ave	31440012	32667696		0.520	0.500	3.9	20.0
PCB-1016 Peak 3	Ave	63200288	68936868		0.545	0.500	9.1	20.0
PCB-1016 Peak 4	Ave	27607491	28973168		0.525	0.500	4.9	20.0
PCB-1016 Peak 5	Ave	21845224	22814630		0.522	0.500	4.4	20.0
PCB-1260 Peak 1	Ave	45527908	38729160		0.425	0.500	-14.9	20.0
PCB-1260 Peak 2	Ave	54580002	44623344		0.409	0.500	-18.2	20.0
PCB-1260 Peak 3	Ave	80645277	69427376		0.430	0.500	-13.9	20.0
PCB-1260 Peak 4	Ave	96793644	80570844		0.416	0.500	-16.8	20.0
PCB-1260 Peak 5	Ave	71805358	58215966		0.405	0.500	-18.9	20.0
Tetrachloro-m-xylene	Ave	904095540	980534360		0.0271	0.0250	8.5	20.0
DCB Decachlorobiphenyl	Ave	991196823	743461160		0.0188	0.0250	-25.0*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69717/3 Calibration Date: 12/21/2012 06:50

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.03	2.23
PCB-1016 Peak 2	2.53	2.43	2.63
PCB-1016 Peak 3	2.98	2.88	3.08
PCB-1016 Peak 4	3.12	3.02	3.22
PCB-1016 Peak 5	3.22	3.12	3.32
PCB-1260 Peak 1	4.93	4.83	5.03
PCB-1260 Peak 2	5.16	5.06	5.26
PCB-1260 Peak 3	5.53	5.43	5.63
PCB-1260 Peak 4	6.21	6.11	6.31
PCB-1260 Peak 5	6.60	6.50	6.70
Tetrachloro-m-xylene	1.67	1.57	1.77
DCB Decachlorobiphenyl	7.83	7.73	7.93

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000003.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 21-Dec-2012 06:50:03 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016082-003
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 3
Lims Batch ID: 69717 Lims Sample ID: 3
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m
Last Update: 21-Dec-2012 13:23:25 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

First Level Reviewer: hassl Date: 21-Dec-2012 09:43:41

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	34574805	0.0248			
2	2	1.671	1.671	0.000	24513359	0.0271			
						RPD = 8.87			
6 PCB-1016									
1	100	1.540	1.540	0.000	12022860	0.4867		100.0	
1	2	1.822	1.822	0.000	21296529	0.4823	152.4- 202.4	177.1	
1	3	2.213	2.213	0.000	46292866	0.5075	334.6- 384.6	385.0	
1	4	2.334	2.334	0.000	19768736	0.4889	125.4- 195.4	164.4	
1	5	2.712	2.712	0.000	19569264	0.4831	136.2- 186.2	162.8	
			Average of Peak Amounts =			0.4897			
2	6	2.133	2.133	0.000	8224993	0.5203		100.0	
2	7	2.528	2.528	0.000	16333848	0.5195	169.0- 229.0	198.6	
2	8	2.978	2.978	0.000	34468434	0.5454	361.2- 421.2	419.1	
2	9	3.116	3.116	0.000	14486584	0.5247	144.4- 204.4	176.1	
2	10	3.220	3.220	0.000	11407315	0.5222	108.9- 168.9	138.7	
			Average of Peak Amounts =			0.5264			
						RPD = 7.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.911	3.911	0.000	27415762	0.4620		100.0	
1	2	4.198	4.198	0.000	49905912	0.4647	156.3- 206.3	182.0	
1	3	4.478	4.478	0.000	50747225	0.4602	159.6- 209.6	185.1	
1	4	5.180	5.180	0.000	53810760	0.4319	183.4- 233.4	196.3	
1	5	5.463	5.463	0.000	28132732	0.4230	87.0- 137.0	102.6	
			Average of Peak Amounts =			0.4483			
2	6	4.931	4.931	0.000	19364580	0.4253		100.0	
2	7	5.160	5.160	0.000	22311672	0.4088	86.9- 146.9	115.2	
2	8	5.528	5.528	0.000	34713688	0.4304	145.2- 205.2	179.3	M
2	9	6.214	6.214	0.000	40285422	0.4162	177.4- 237.4	208.0	M
2	10	6.596	6.596	0.000	29107983	0.4054	125.7- 185.7	150.3	M
			Average of Peak Amounts =			0.4172			
						RPD = 7.19			
$ 12 DCB Decachlorobiphenyl									
1	100	6.621	6.621	0.000	25388066	0.0195			
2	2	7.834	7.834	0.000	18586529	0.0188			
						RPD = 4.08			

QC Flag Legend

Review Flags
M - Manually Integrated

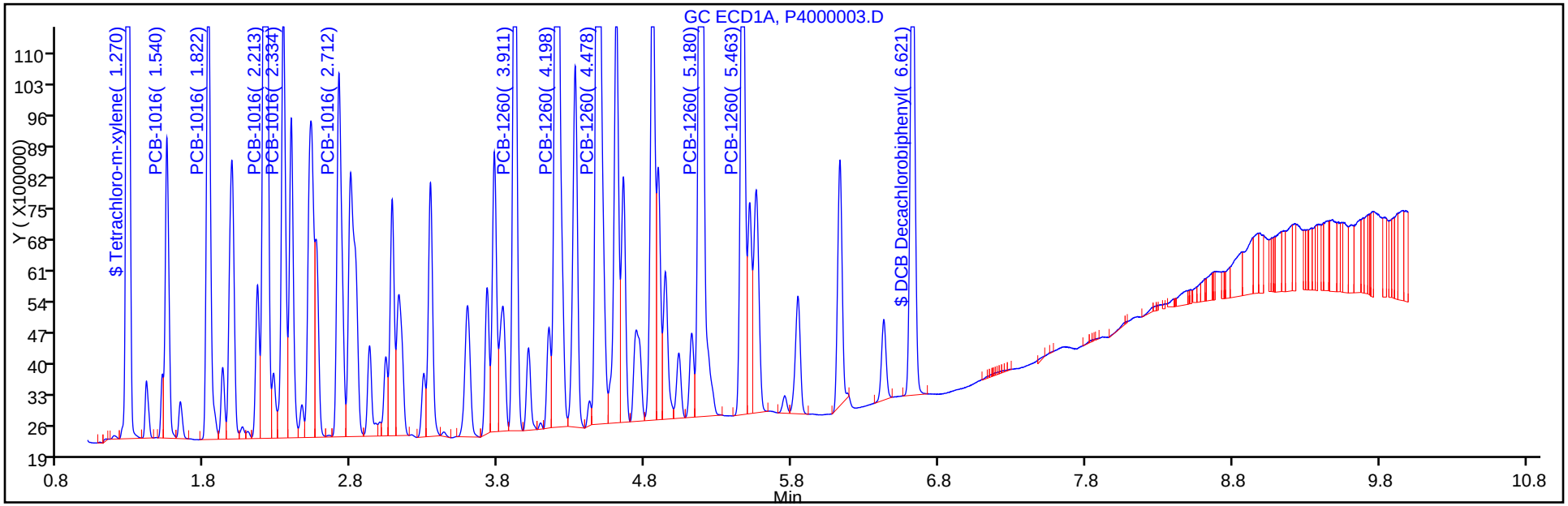
Report Date: 21-Dec-2012 13:23:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

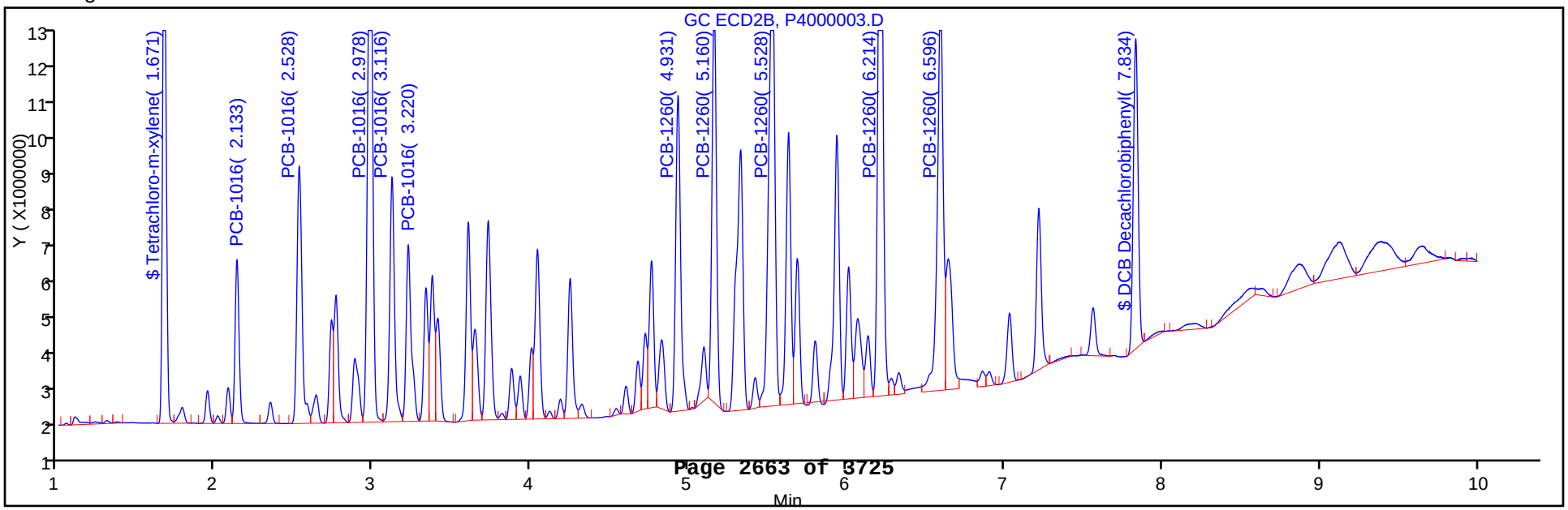
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000003.D

Injection Date:	21-Dec-2012 06:50:03	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



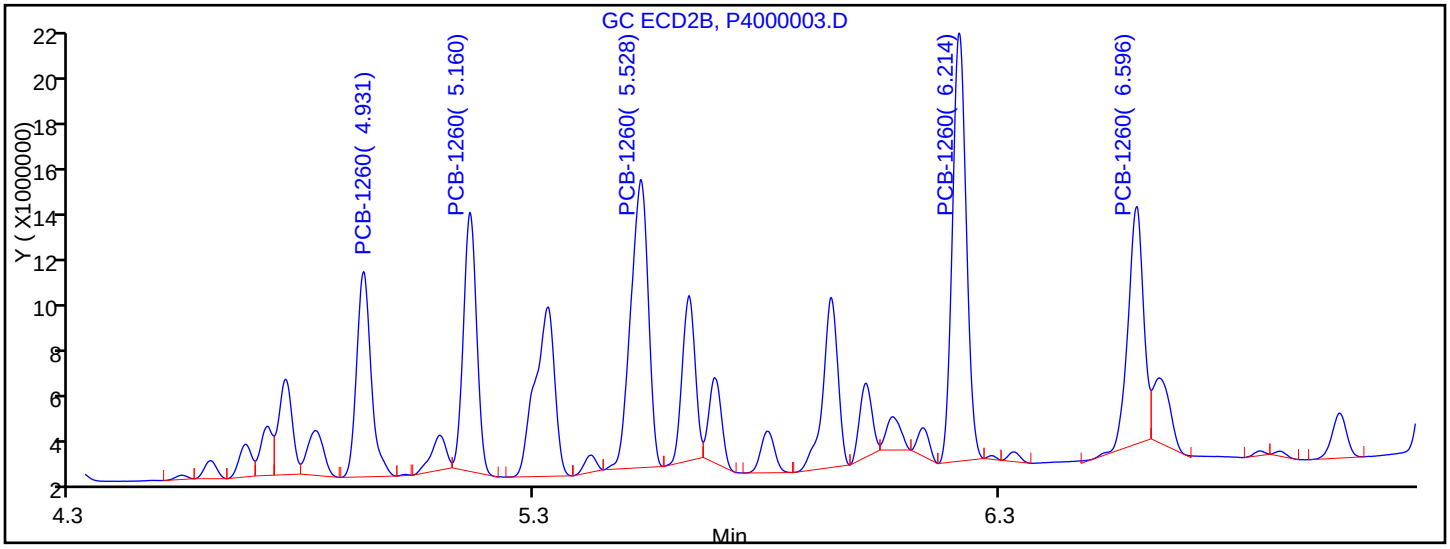
Report Date: 21-Dec-2012 13:23:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000003.D

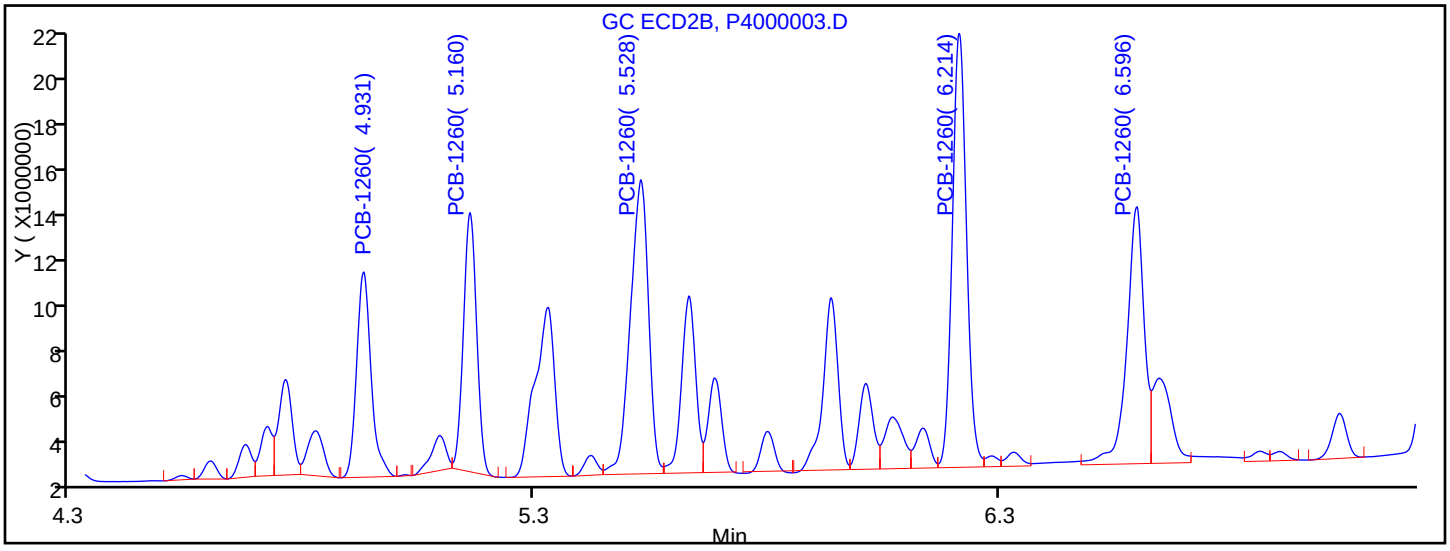
Injection Date:	21-Dec-2012 06:50:03	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

10 PCB-1260, Detector: 2, GC ecd2b



Processing Integration Results

RT = 4.931	Response = 19364580	
RT = 5.160	Response = 22311672	
RT = 5.528	Response = 32841145	M
RT = 6.214	Response = 38748278	M
RT = 6.596	Response = 24110247	M



Manual Integration Results

RT = 4.931	Response = 19364580	
RT = 5.160	Response = 22311672	
RT = 5.528	Response = 34713688	M
RT = 6.214	Response = 40285422	M
RT = 6.596	Response = 29107983	M

Reviewer: hassl, 21-Dec-2012 09:43:41

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69717/19 Calibration Date: 12/21/2012 11:02

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24702533	24460732		0.495	0.500	-1.0	20.0
PCB-1016 Peak 2	Ave	44151983	43939090		0.498	0.500	-0.5	20.0
PCB-1016 Peak 3	Ave	91223581	95004542		0.521	0.500	4.1	20.0
PCB-1016 Peak 4	Ave	40436349	40831696		0.505	0.500	1.0	20.0
PCB-1016 Peak 5	Ave	40503627	40268328		0.497	0.500	-0.6	20.0
PCB-1260 Peak 1	Ave	59343359	58833546		0.496	0.500	-0.9	20.0
PCB-1260 Peak 2	Ave	107397135	107568284		0.501	0.500	0.2	20.0
PCB-1260 Peak 3	Ave	110273317	111032256		0.503	0.500	0.7	20.0
PCB-1260 Peak 4	Ave	124594955	127074554		0.510	0.500	2.0	20.0
PCB-1260 Peak 5	Ave	66509184	67284616		0.506	0.500	1.2	20.0
Tetrachloro-m-xylene	Ave	1393525317	1426922720		0.0256	0.0250	2.4	20.0
DCB Decachlorobiphenyl	Ave	1299788350	1240585920		0.0239	0.0250	-4.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69717/19 Calibration Date: 12/21/2012 11:02

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000019.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.54	1.44	1.64
PCB-1016 Peak 2	1.82	1.72	1.92
PCB-1016 Peak 3	2.21	2.11	2.31
PCB-1016 Peak 4	2.33	2.23	2.43
PCB-1016 Peak 5	2.71	2.61	2.81
PCB-1260 Peak 1	3.91	3.81	4.01
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.46	5.36	5.56
Tetrachloro-m-xylene	1.27	1.17	1.37
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000019.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 21-Dec-2012 11:02:05 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016082-019
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 19
Lims Batch ID: 69717 Lims Sample ID: 19
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m
Last Update: 21-Dec-2012 13:23:17 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	35673068	0.0256			
2	2	1.673	1.673	0.000	25176497	0.0278			
						RPD = 8.41			
6 PCB-1016									
1	100	1.541	1.541	0.000	12230366	0.4951		100.0	
1	2	1.822	1.822	0.000	21969545	0.4976	152.4- 202.4	179.6	
1	3	2.214	2.214	0.000	47502271	0.5207	334.6- 384.6	388.4	
1	4	2.334	2.334	0.000	20415848	0.5049	125.4- 195.4	166.9	
1	5	2.712	2.712	0.000	20134164	0.4971	136.2- 186.2	164.6	
			Average of Peak Amounts =			0.5031			
2	6	2.134	2.134	0.000	8451936	0.5347		100.0	
2	7	2.530	2.530	0.000	16817755	0.5349	169.0- 229.0	199.0	
2	8	2.980	2.980	0.000	35650572	0.5641	361.2- 421.2	421.8	
2	9	3.118	3.118	0.000	15187890	0.5501	144.4- 204.4	179.7	
2	10	3.221	3.221	0.000	12061540	0.5521	108.9- 168.9	142.7	
			Average of Peak Amounts =			0.5472			
						RPD = 8.40			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.911	3.911	0.000	29416773	0.4957		100.0	
1	2	4.199	4.199	0.000	53784142	0.5008	156.3- 206.3	182.8	
1	3	4.478	4.478	0.000	55516128	0.5034	159.6- 209.6	188.7	
1	4	5.180	5.180	0.000	63537277	0.5100	183.4- 233.4	216.0	
1	5	5.463	5.463	0.000	33642308	0.5058	87.0- 137.0	114.4	
			Average of Peak Amounts =			0.5031			
2	6	4.932	4.932	0.000	23327585	0.5124		100.0	
2	7	5.161	5.161	0.000	27945020	0.5120	86.9- 146.9	119.8	
2	8	5.530	5.530	0.000	41451998	0.5140	145.2- 205.2	177.7	
2	9	6.216	6.216	0.000	49329088	0.5096	177.4- 237.4	211.5	
2	10	6.597	6.597	0.000	34552066	0.4812	125.7- 185.7	148.1	
			Average of Peak Amounts =			0.5058			
						RPD = 0.53			
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	31014648	0.0239			
2	2	7.834	7.834	0.000	23025128	0.0232			
						RPD = 2.68			

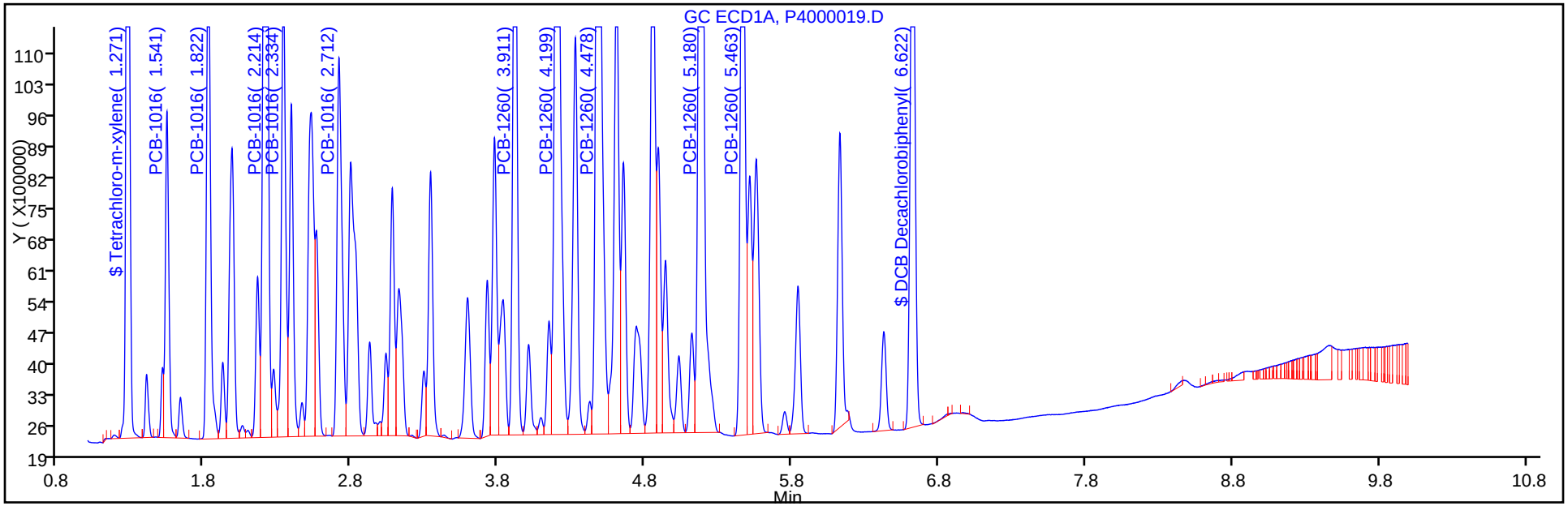
Report Date: 21-Dec-2012 13:23:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

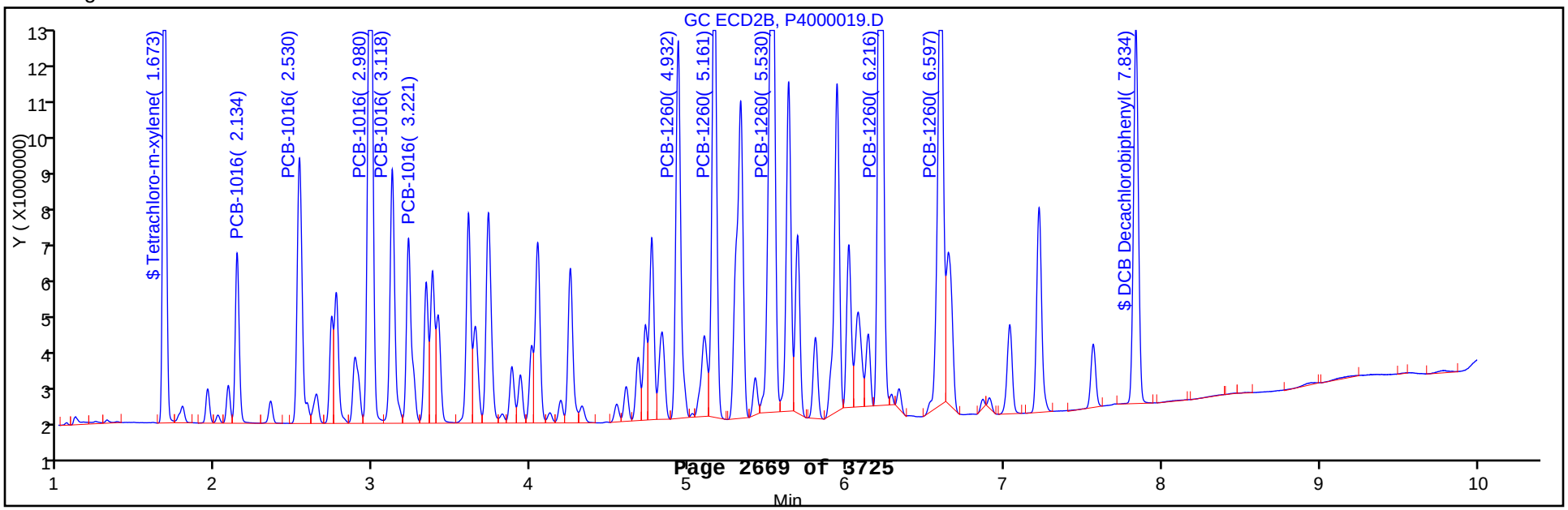
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000019.D

Injection Date:	21-Dec-2012 11:02:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69717/19 Calibration Date: 12/21/2012 11:02

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	15807169	16903872		0.535	0.500	6.9	20.0
PCB-1016 Peak 2	Ave	31440012	33635510		0.535	0.500	7.0	20.0
PCB-1016 Peak 3	Ave	63200288	71301144		0.564	0.500	12.8	20.0
PCB-1016 Peak 4	Ave	27607491	30375780		0.550	0.500	10.0	20.0
PCB-1016 Peak 5	Ave	21845224	24123080		0.552	0.500	10.4	20.0
PCB-1260 Peak 1	Ave	45527908	46655170		0.512	0.500	2.5	20.0
PCB-1260 Peak 2	Ave	54580002	55890040		0.512	0.500	2.4	20.0
PCB-1260 Peak 3	Ave	80645277	82903996		0.514	0.500	2.8	20.0
PCB-1260 Peak 4	Ave	96793644	98658176		0.510	0.500	1.9	20.0
PCB-1260 Peak 5	Ave	71805358	69104132		0.481	0.500	-3.8	20.0
Tetrachloro-m-xylene	Ave	904095540	1007059880		0.0278	0.0250	11.4	20.0
DCB Decachlorobiphenyl	Ave	991196823	921005120		0.0232	0.0250	-7.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69717/19 Calibration Date: 12/21/2012 11:02

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000019.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.03	2.23
PCB-1016 Peak 2	2.53	2.43	2.63
PCB-1016 Peak 3	2.98	2.88	3.08
PCB-1016 Peak 4	3.12	3.02	3.22
PCB-1016 Peak 5	3.22	3.12	3.32
PCB-1260 Peak 1	4.93	4.83	5.03
PCB-1260 Peak 2	5.16	5.06	5.26
PCB-1260 Peak 3	5.53	5.43	5.63
PCB-1260 Peak 4	6.22	6.12	6.32
PCB-1260 Peak 5	6.60	6.50	6.70
Tetrachloro-m-xylene	1.67	1.57	1.77
DCB Decachlorobiphenyl	7.83	7.73	7.93

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000019.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 21-Dec-2012 11:02:05 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016082-019
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 19
Lims Batch ID: 69717 Lims Sample ID: 19
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m
Last Update: 21-Dec-2012 13:23:17 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	35673068	0.0256			
2	2	1.673	1.673	0.000	25176497	0.0278			
						RPD = 8.41			
6 PCB-1016									
1	100	1.541	1.541	0.000	12230366	0.4951		100.0	
1	2	1.822	1.822	0.000	21969545	0.4976	152.4- 202.4	179.6	
1	3	2.214	2.214	0.000	47502271	0.5207	334.6- 384.6	388.4	
1	4	2.334	2.334	0.000	20415848	0.5049	125.4- 195.4	166.9	
1	5	2.712	2.712	0.000	20134164	0.4971	136.2- 186.2	164.6	
			Average of Peak Amounts =			0.5031			
2	6	2.134	2.134	0.000	8451936	0.5347		100.0	
2	7	2.530	2.530	0.000	16817755	0.5349	169.0- 229.0	199.0	
2	8	2.980	2.980	0.000	35650572	0.5641	361.2- 421.2	421.8	
2	9	3.118	3.118	0.000	15187890	0.5501	144.4- 204.4	179.7	
2	10	3.221	3.221	0.000	12061540	0.5521	108.9- 168.9	142.7	
			Average of Peak Amounts =			0.5472			
						RPD = 8.40			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.911	3.911	0.000	29416773	0.4957		100.0	
1	2	4.199	4.199	0.000	53784142	0.5008	156.3- 206.3	182.8	
1	3	4.478	4.478	0.000	55516128	0.5034	159.6- 209.6	188.7	
1	4	5.180	5.180	0.000	63537277	0.5100	183.4- 233.4	216.0	
1	5	5.463	5.463	0.000	33642308	0.5058	87.0- 137.0	114.4	
			Average of Peak Amounts =			0.5031			
2	6	4.932	4.932	0.000	23327585	0.5124		100.0	
2	7	5.161	5.161	0.000	27945020	0.5120	86.9- 146.9	119.8	
2	8	5.530	5.530	0.000	41451998	0.5140	145.2- 205.2	177.7	
2	9	6.216	6.216	0.000	49329088	0.5096	177.4- 237.4	211.5	
2	10	6.597	6.597	0.000	34552066	0.4812	125.7- 185.7	148.1	
			Average of Peak Amounts =			0.5058			
						RPD = 0.53			
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.622	0.000	31014648	0.0239			
2	2	7.834	7.834	0.000	23025128	0.0232			
						RPD = 2.68			

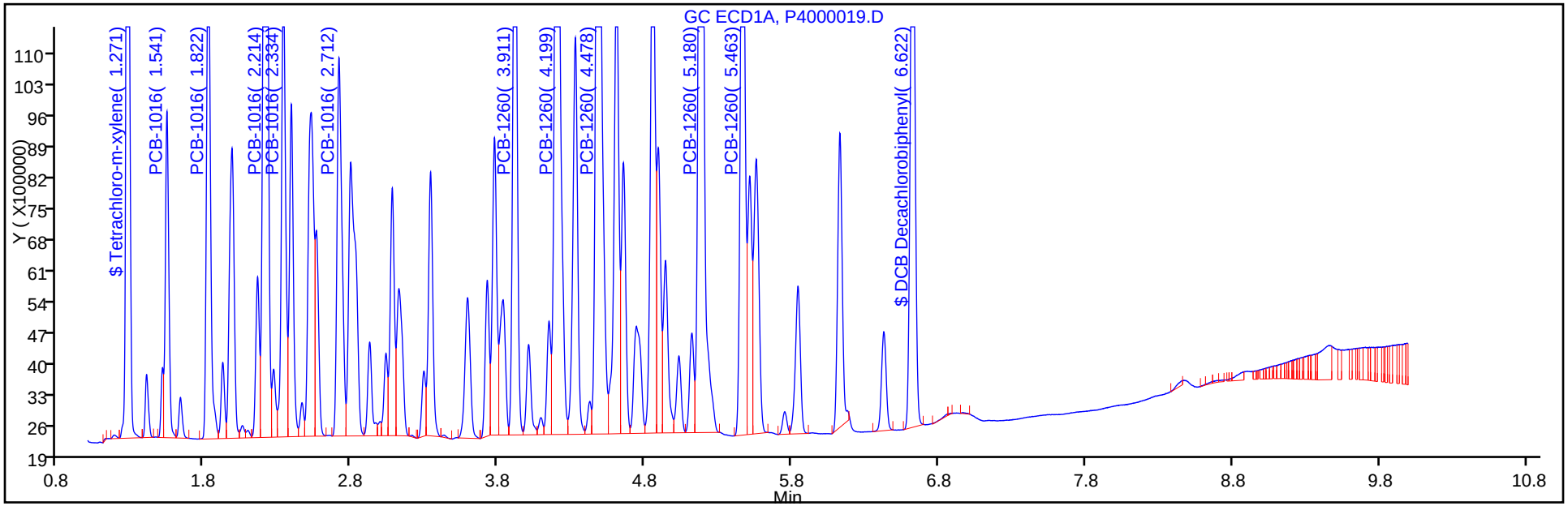
Report Date: 21-Dec-2012 13:23:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

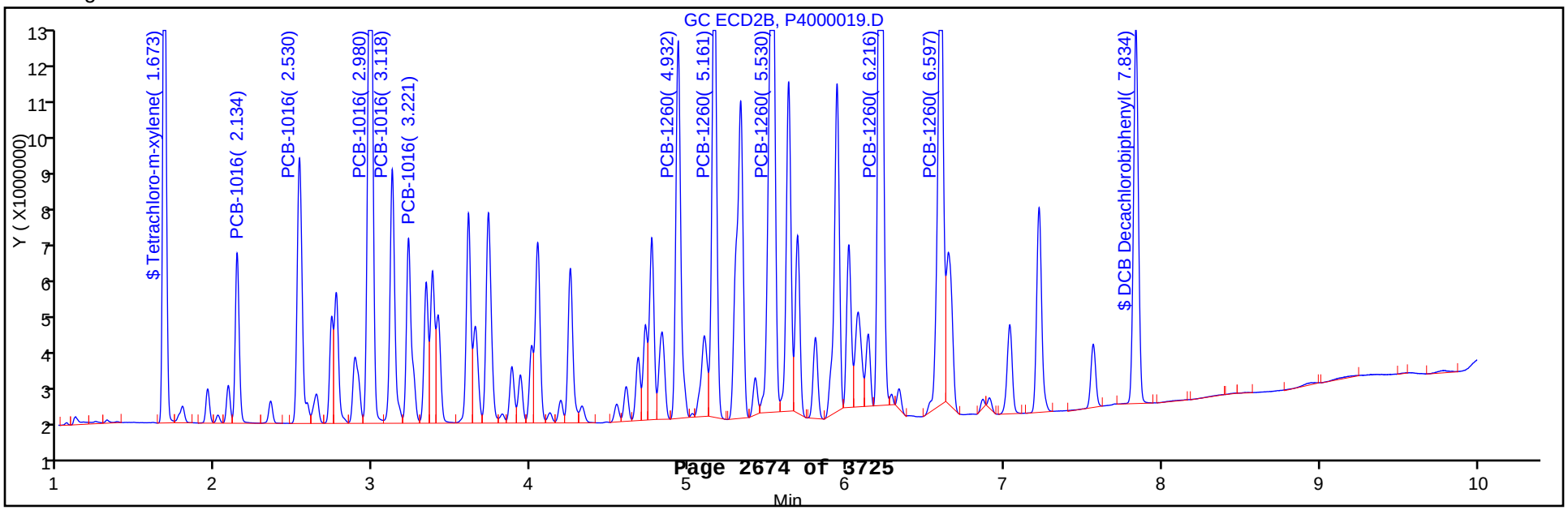
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000019.D

Injection Date:	21-Dec-2012 11:02:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69717/25 Calibration Date: 12/21/2012 12:36

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24702533	24327384		0.492	0.500	-1.5	20.0
PCB-1016 Peak 2	Ave	44151983	43220106		0.489	0.500	-2.1	20.0
PCB-1016 Peak 3	Ave	91223581	93829204		0.514	0.500	2.9	20.0
PCB-1016 Peak 4	Ave	40436349	40358688		0.499	0.500	-0.2	20.0
PCB-1016 Peak 5	Ave	40503627	39818926		0.492	0.500	-1.7	20.0
PCB-1260 Peak 1	Ave	59343359	57935974		0.488	0.500	-2.4	20.0
PCB-1260 Peak 2	Ave	107397135	106091816		0.494	0.500	-1.2	20.0
PCB-1260 Peak 3	Ave	110273317	109483954		0.496	0.500	-0.7	20.0
PCB-1260 Peak 4	Ave	124594955	126247384		0.507	0.500	1.3	20.0
PCB-1260 Peak 5	Ave	66509184	66598914		0.501	0.500	0.1	20.0
Tetrachloro-m-xylene	Ave	1393525317	1414243280		0.0254	0.0250	1.5	20.0
DCB Decachlorobiphenyl	Ave	1299788350	1235404320		0.0238	0.0250	-5.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69717/25 Calibration Date: 12/21/2012 12:36

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000025.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.54	1.44	1.64
PCB-1016 Peak 2	1.82	1.72	1.92
PCB-1016 Peak 3	2.21	2.11	2.31
PCB-1016 Peak 4	2.33	2.23	2.43
PCB-1016 Peak 5	2.71	2.61	2.81
PCB-1260 Peak 1	3.91	3.81	4.01
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.46	5.36	5.56
Tetrachloro-m-xylene	1.27	1.17	1.37
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000025.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 21-Dec-2012 12:36:43 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016082-025
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 25
Lims Batch ID: 69717 Lims Sample ID: 25
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m
Last Update: 21-Dec-2012 13:23:22 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	35356082	0.0254			
2	2	1.673	1.673	0.000	24891608	0.0275			
						RPD = 8.17			
6 PCB-1016									
1	100	1.540	1.540	0.000	12163692	0.4924		100.0	
1	2	1.823	1.823	0.000	21610053	0.4894	152.4- 202.4	177.7	
1	3	2.214	2.214	0.000	46914602	0.5143	334.6- 384.6	385.7	
1	4	2.334	2.334	0.000	20179344	0.4990	125.4- 195.4	165.9	
1	5	2.713	2.713	0.000	19909463	0.4915	136.2- 186.2	163.7	
			Average of Peak Amounts =			0.4973			
2	6	2.134	2.134	0.000	8260137	0.5226		100.0	
2	7	2.530	2.530	0.000	16524500	0.5256	169.0- 229.0	200.1	
2	8	2.981	2.981	0.000	35112000	0.5556	361.2- 421.2	425.1	
2	9	3.118	3.118	0.000	14890031	0.5393	144.4- 204.4	180.3	
2	10	3.222	3.222	0.000	11836365	0.5418	108.9- 168.9	143.3	
			Average of Peak Amounts =			0.5370			
						RPD = 7.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.913	3.913	0.000	28967987	0.4881		100.0	
1	2	4.198	4.198	0.000	53045908	0.4939	156.3- 206.3	183.1	
1	3	4.478	4.478	0.000	54741977	0.4964	159.6- 209.6	189.0	
1	4	5.179	5.179	0.000	63123692	0.5066	183.4- 233.4	217.9	
1	5	5.463	5.463	0.000	33299457	0.5007	87.0- 137.0	115.0	
			Average of Peak Amounts =			0.4972			
2	6	4.932	4.932	0.000	23465409	0.5154		100.0	
2	7	5.162	5.162	0.000	27635774	0.5063	86.9- 146.9	117.8	
2	8	5.530	5.530	0.000	42311368	0.5247	145.2- 205.2	180.3	
2	9	6.215	6.215	0.000	50658256	0.5234	177.4- 237.4	215.9	
2	10	6.597	6.597	0.000	35090881	0.4887	125.7- 185.7	149.5	
			Average of Peak Amounts =			0.5117			
						RPD = 2.88			
$ 12 DCB Decachlorobiphenyl									
1	100	6.621	6.621	0.000	30885108	0.0238			
2	2	7.834	7.834	0.000	23378790	0.0236			
						RPD = 0.74			

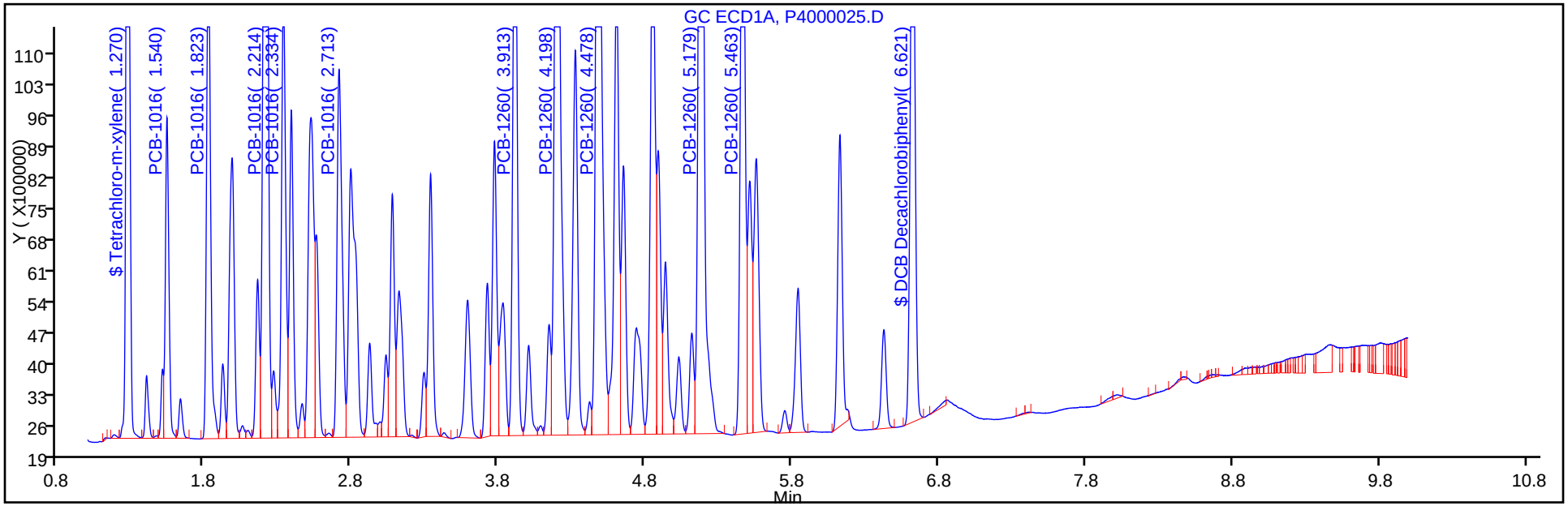
Report Date: 21-Dec-2012 13:23:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

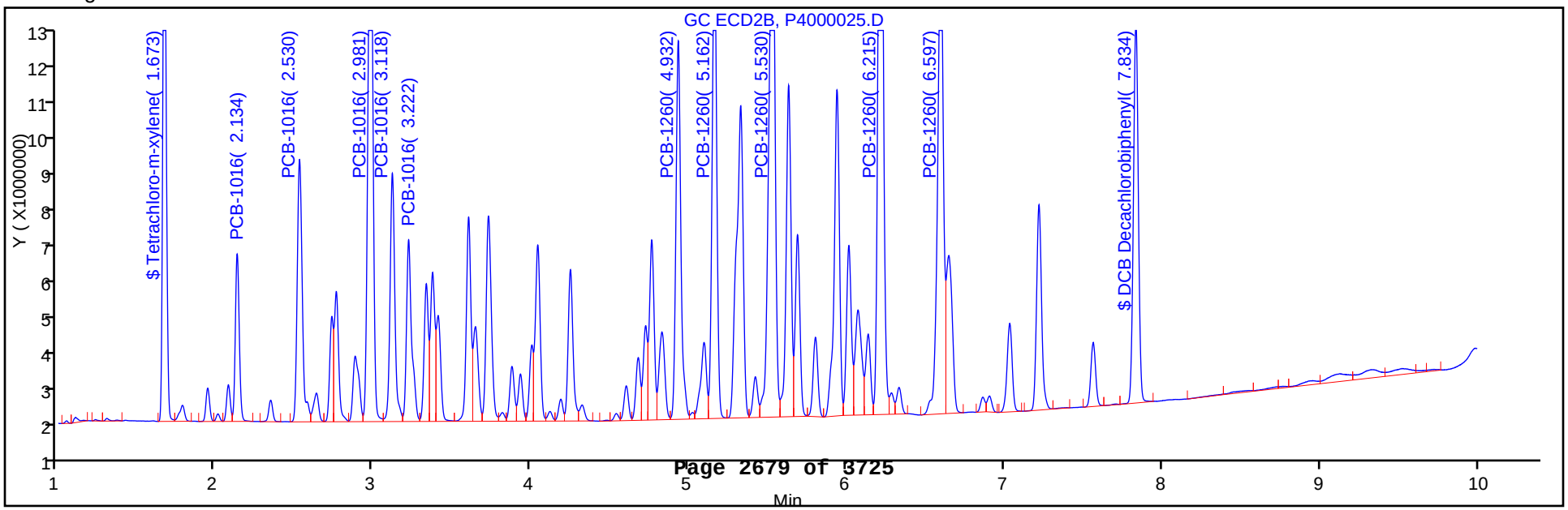
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000025.D

Injection Date:	21-Dec-2012 12:36:43	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69717/25 Calibration Date: 12/21/2012 12:36

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	15807169	16520274		0.523	0.500	4.5	20.0
PCB-1016 Peak 2	Ave	31440012	33049000		0.526	0.500	5.1	20.0
PCB-1016 Peak 3	Ave	63200288	70224000		0.556	0.500	11.1	20.0
PCB-1016 Peak 4	Ave	27607491	29780062		0.539	0.500	7.9	20.0
PCB-1016 Peak 5	Ave	21845224	23672730		0.542	0.500	8.4	20.0
PCB-1260 Peak 1	Ave	45527908	46930818		0.515	0.500	3.1	20.0
PCB-1260 Peak 2	Ave	54580002	55271548		0.506	0.500	1.3	20.0
PCB-1260 Peak 3	Ave	80645277	84622736		0.525	0.500	4.9	20.0
PCB-1260 Peak 4	Ave	96793644	101316512		0.523	0.500	4.7	20.0
PCB-1260 Peak 5	Ave	71805358	70181762		0.489	0.500	-2.3	20.0
Tetrachloro-m-xylene	Ave	904095540	995664320		0.0275	0.0250	10.1	20.0
DCB Decachlorobiphenyl	Ave	991196823	935151600		0.0236	0.0250	-5.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69717/25 Calibration Date: 12/21/2012 12:36

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000025.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.03	2.23
PCB-1016 Peak 2	2.53	2.43	2.63
PCB-1016 Peak 3	2.98	2.88	3.08
PCB-1016 Peak 4	3.12	3.02	3.22
PCB-1016 Peak 5	3.22	3.12	3.32
PCB-1260 Peak 1	4.93	4.83	5.03
PCB-1260 Peak 2	5.16	5.06	5.26
PCB-1260 Peak 3	5.53	5.43	5.63
PCB-1260 Peak 4	6.22	6.12	6.32
PCB-1260 Peak 5	6.60	6.50	6.70
Tetrachloro-m-xylene	1.67	1.57	1.77
DCB Decachlorobiphenyl	7.83	7.73	7.93

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000025.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 21-Dec-2012 12:36:43 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016082-025
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 25
Lims Batch ID: 69717 Lims Sample ID: 25
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m
Last Update: 21-Dec-2012 13:23:22 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	35356082	0.0254			
2	2	1.673	1.673	0.000	24891608	0.0275			
						RPD = 8.17			
6 PCB-1016									
1	100	1.540	1.540	0.000	12163692	0.4924		100.0	
1	2	1.823	1.823	0.000	21610053	0.4894	152.4- 202.4	177.7	
1	3	2.214	2.214	0.000	46914602	0.5143	334.6- 384.6	385.7	
1	4	2.334	2.334	0.000	20179344	0.4990	125.4- 195.4	165.9	
1	5	2.713	2.713	0.000	19909463	0.4915	136.2- 186.2	163.7	
			Average of Peak Amounts =			0.4973			
2	6	2.134	2.134	0.000	8260137	0.5226		100.0	
2	7	2.530	2.530	0.000	16524500	0.5256	169.0- 229.0	200.1	
2	8	2.981	2.981	0.000	35112000	0.5556	361.2- 421.2	425.1	
2	9	3.118	3.118	0.000	14890031	0.5393	144.4- 204.4	180.3	
2	10	3.222	3.222	0.000	11836365	0.5418	108.9- 168.9	143.3	
			Average of Peak Amounts =			0.5370			
						RPD = 7.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.913	3.913	0.000	28967987	0.4881		100.0	
1	2	4.198	4.198	0.000	53045908	0.4939	156.3- 206.3	183.1	
1	3	4.478	4.478	0.000	54741977	0.4964	159.6- 209.6	189.0	
1	4	5.179	5.179	0.000	63123692	0.5066	183.4- 233.4	217.9	
1	5	5.463	5.463	0.000	33299457	0.5007	87.0- 137.0	115.0	
			Average of Peak Amounts =			0.4972			
2	6	4.932	4.932	0.000	23465409	0.5154		100.0	
2	7	5.162	5.162	0.000	27635774	0.5063	86.9- 146.9	117.8	
2	8	5.530	5.530	0.000	42311368	0.5247	145.2- 205.2	180.3	
2	9	6.215	6.215	0.000	50658256	0.5234	177.4- 237.4	215.9	
2	10	6.597	6.597	0.000	35090881	0.4887	125.7- 185.7	149.5	
			Average of Peak Amounts =			0.5117			
						RPD = 2.88			
$ 12 DCB Decachlorobiphenyl									
1	100	6.621	6.621	0.000	30885108	0.0238			
2	2	7.834	7.834	0.000	23378790	0.0236			
						RPD = 0.74			

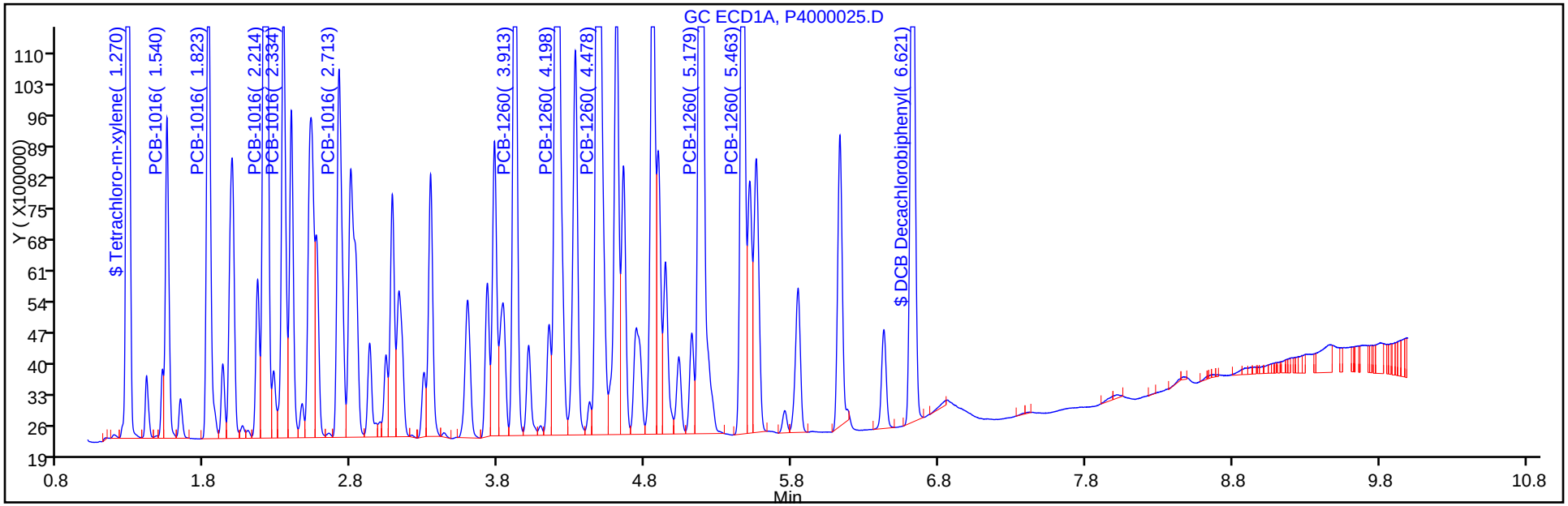
Report Date: 21-Dec-2012 13:23:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

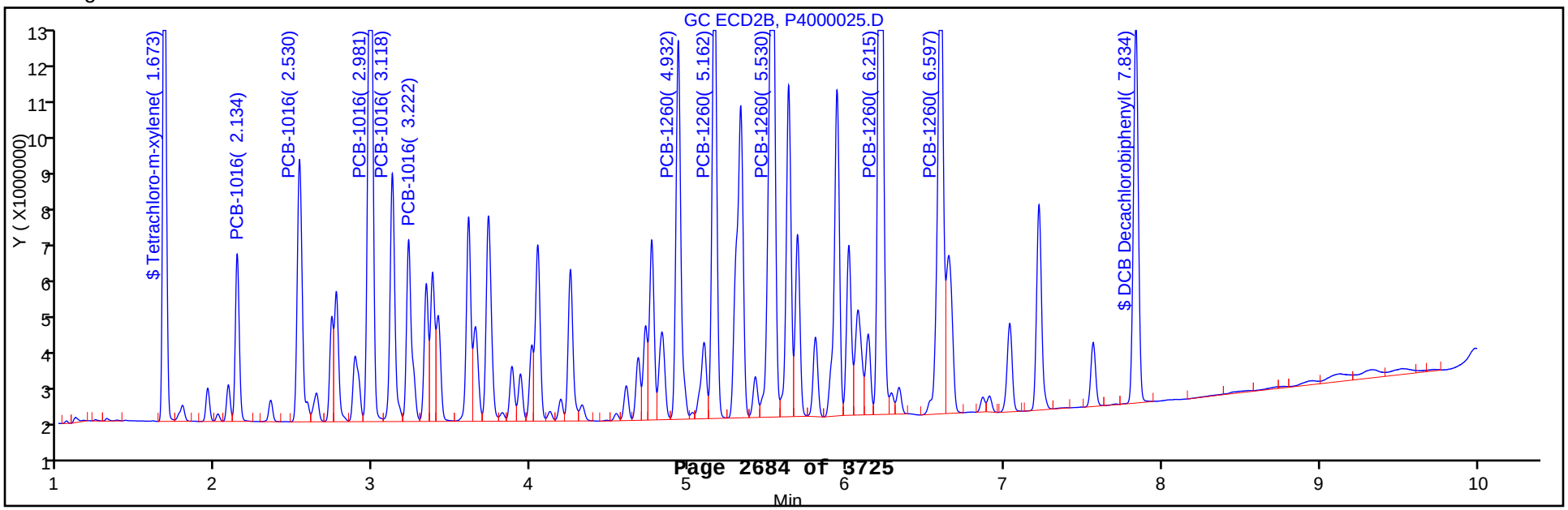
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000025.D

Injection Date:	21-Dec-2012 12:36:43	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70556/3 Calibration Date: 12/29/2012 19:07

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24702533	23884504		0.483	0.500	-3.3	20.0
PCB-1016 Peak 2	Ave	44151983	42457090		0.481	0.500	-3.8	20.0
PCB-1016 Peak 3	Ave	91223581	90416354		0.496	0.500	-0.9	20.0
PCB-1016 Peak 4	Ave	40436349	39043130		0.483	0.500	-3.4	20.0
PCB-1016 Peak 5	Ave	40503627	39066148		0.482	0.500	-3.5	20.0
PCB-1260 Peak 1	Ave	59343359	57746350		0.487	0.500	-2.7	20.0
PCB-1260 Peak 2	Ave	107397135	105095008		0.489	0.500	-2.1	20.0
PCB-1260 Peak 3	Ave	110273317	107776258		0.489	0.500	-2.3	20.0
PCB-1260 Peak 4	Ave	124594955	125885346		0.505	0.500	1.0	20.0
PCB-1260 Peak 5	Ave	66509184	64304596		0.483	0.500	-3.3	20.0
Tetrachloro-m-xylene	Ave	1393525317	1382848120		0.0248	0.0250	-0.8	20.0
DCB Decachlorobiphenyl	Ave	1299788350	1296248440		0.0249	0.0250	-0.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70556/3 Calibration Date: 12/29/2012 19:07

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.54	1.44	1.64
PCB-1016 Peak 2	1.82	1.72	1.92
PCB-1016 Peak 3	2.21	2.11	2.31
PCB-1016 Peak 4	2.33	2.23	2.43
PCB-1016 Peak 5	2.71	2.61	2.81
PCB-1260 Peak 1	3.91	3.81	4.01
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.46	5.36	5.56
Tetrachloro-m-xylene	1.27	1.17	1.37
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000003.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 29-Dec-2012 19:07:56 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016267-003
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 3
Lims Batch ID: 70556 Lims Sample ID: 3
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m
Last Update: 31-Dec-2012 09:24:25 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

First Level Reviewer: hassl Date: 31-Dec-2012 09:12:13

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	34571203	0.0248			
2	2	1.673	1.673	0.000	25656925	0.0284			
						RPD = 13.42			
6 PCB-1016									M
1	100	1.540	1.540	0.000	11942252	0.4834		100.0	
1	2	1.822	1.822	0.000	21228545	0.4808	152.4- 202.4	177.8	
1	3	2.212	2.212	0.000	45208177	0.4956	334.6- 384.6	378.6	
1	4	2.333	2.333	0.000	19521565	0.4828	125.4- 195.4	163.5	
1	5	2.712	2.712	0.000	19533074	0.4823	136.2- 186.2	163.6	
			Average of Peak Amounts =			0.4850			
2	6	2.135	2.135	0.000	8305189	0.5254		100.0	
2	7	2.529	2.529	0.000	17061059	0.5427	169.0- 229.0	205.4	M
2	8	2.980	2.980	0.000	35632866	0.5638	361.2- 421.2	429.0	M
2	9	3.118	3.118	0.000	15116320	0.5475	144.4- 204.4	182.0	M
2	10	3.220	3.220	0.000	11922260	0.5458	108.9- 168.9	143.6	M
			Average of Peak Amounts =			0.5450			
						RPD = 11.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.910	3.910	0.000	28873175	0.4865		100.0	
1	2	4.197	4.197	0.000	52547504	0.4893	156.3- 206.3	182.0	
1	3	4.476	4.476	0.000	53888129	0.4887	159.6- 209.6	186.6	
1	4	5.177	5.177	0.000	62942673	0.5052	183.4- 233.4	218.0	
1	5	5.461	5.461	0.000	32152298	0.4834	87.0- 137.0	111.4	
			Average of Peak Amounts =			0.4906			
2	6	4.930	4.930	0.000	24216563	0.5319		100.0	
2	7	5.160	5.160	0.000	28551421	0.5231	86.9- 146.9	117.9	
2	8	5.527	5.527	0.000	43607431	0.5407	145.2- 205.2	180.1	
2	9	6.213	6.213	0.000	54055454	0.5585	177.4- 237.4	223.2	
2	10	6.594	6.594	0.000	38537668	0.5367	125.7- 185.7	159.1	
			Average of Peak Amounts =			0.5382			
						RPD = 9.25			
$ 12 DCB Decachlorobiphenyl									
1	100	6.619	6.619	0.000	32406211	0.0249			
2	2	7.832	7.832	0.000	26536044	0.0268			
						RPD = 7.12			

QC Flag Legend

Review Flags
M - Manually Integrated

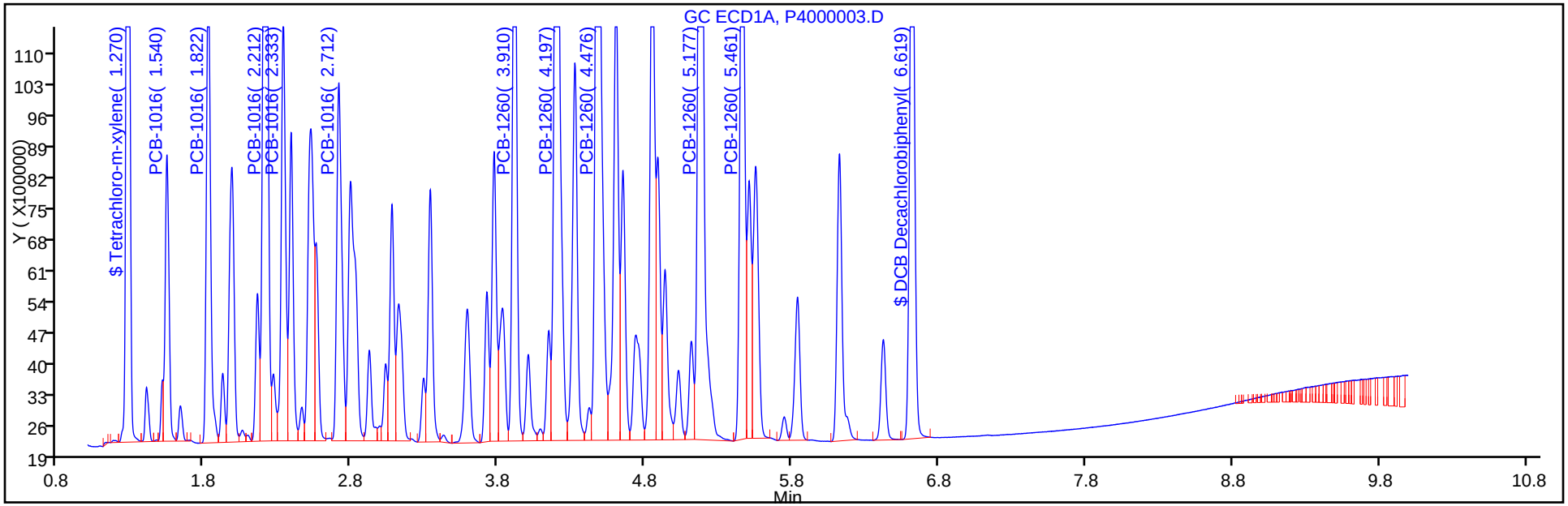
Report Date: 31-Dec-2012 09:24:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

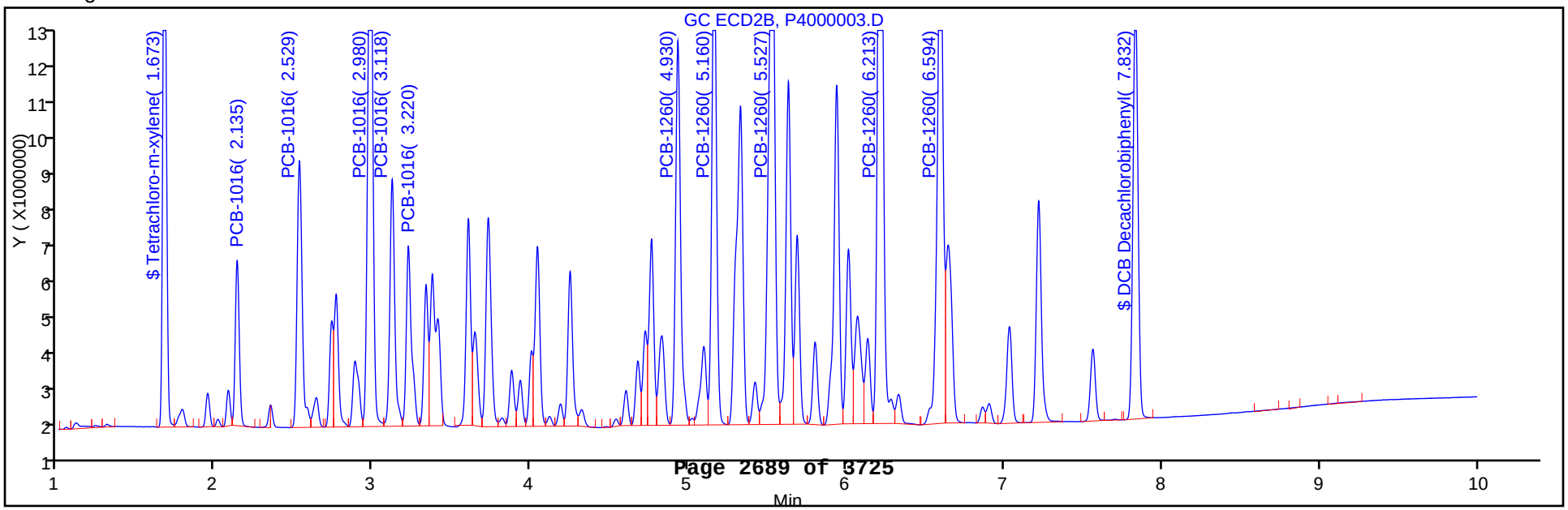
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000003.D

Injection Date:	29-Dec-2012 19:07:56	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70556/3 Calibration Date: 12/29/2012 19:07

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	15807169	16610378		0.525	0.500	5.1	20.0
PCB-1016 Peak 2	Ave	31440012	34122118		0.543	0.500	8.5	20.0
PCB-1016 Peak 3	Ave	63200288	71265732		0.564	0.500	12.8	20.0
PCB-1016 Peak 4	Ave	27607491	30232640		0.548	0.500	9.5	20.0
PCB-1016 Peak 5	Ave	21845224	23844520		0.546	0.500	9.2	20.0
PCB-1260 Peak 1	Ave	45527908	48433126		0.532	0.500	6.4	20.0
PCB-1260 Peak 2	Ave	54580002	57102842		0.523	0.500	4.6	20.0
PCB-1260 Peak 3	Ave	80645277	87214862		0.541	0.500	8.1	20.0
PCB-1260 Peak 4	Ave	96793644	108110908		0.558	0.500	11.7	20.0
PCB-1260 Peak 5	Ave	71805358	77075336		0.537	0.500	7.3	20.0
Tetrachloro-m-xylene	Ave	904095540	1026277000		0.0284	0.0250	13.5	20.0
DCB Decachlorobiphenyl	Ave	991196823	1061441760		0.0268	0.0250	7.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70556/3 Calibration Date: 12/29/2012 19:07

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.04	2.24
PCB-1016 Peak 2	2.53	2.43	2.63
PCB-1016 Peak 3	2.98	2.88	3.08
PCB-1016 Peak 4	3.12	3.02	3.22
PCB-1016 Peak 5	3.22	3.12	3.32
PCB-1260 Peak 1	4.93	4.83	5.03
PCB-1260 Peak 2	5.16	5.06	5.26
PCB-1260 Peak 3	5.53	5.43	5.63
PCB-1260 Peak 4	6.21	6.11	6.31
PCB-1260 Peak 5	6.59	6.49	6.69
Tetrachloro-m-xylene	1.67	1.57	1.77
DCB Decachlorobiphenyl	7.83	7.73	7.93

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000003.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 29-Dec-2012 19:07:56 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016267-003
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 3
Lims Batch ID: 70556 Lims Sample ID: 3
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m
Last Update: 31-Dec-2012 09:24:25 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

First Level Reviewer: hassl Date: 31-Dec-2012 09:12:13

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	34571203	0.0248			
2	2	1.673	1.673	0.000	25656925	0.0284			
						RPD = 13.42			
6 PCB-1016									M
1	100	1.540	1.540	0.000	11942252	0.4834		100.0	
1	2	1.822	1.822	0.000	21228545	0.4808	152.4- 202.4	177.8	
1	3	2.212	2.212	0.000	45208177	0.4956	334.6- 384.6	378.6	
1	4	2.333	2.333	0.000	19521565	0.4828	125.4- 195.4	163.5	
1	5	2.712	2.712	0.000	19533074	0.4823	136.2- 186.2	163.6	
			Average of Peak Amounts =			0.4850			
2	6	2.135	2.135	0.000	8305189	0.5254		100.0	
2	7	2.529	2.529	0.000	17061059	0.5427	169.0- 229.0	205.4	M
2	8	2.980	2.980	0.000	35632866	0.5638	361.2- 421.2	429.0	M
2	9	3.118	3.118	0.000	15116320	0.5475	144.4- 204.4	182.0	M
2	10	3.220	3.220	0.000	11922260	0.5458	108.9- 168.9	143.6	M
			Average of Peak Amounts =			0.5450			
						RPD = 11.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.910	3.910	0.000	28873175	0.4865		100.0	
1	2	4.197	4.197	0.000	52547504	0.4893	156.3- 206.3	182.0	
1	3	4.476	4.476	0.000	53888129	0.4887	159.6- 209.6	186.6	
1	4	5.177	5.177	0.000	62942673	0.5052	183.4- 233.4	218.0	
1	5	5.461	5.461	0.000	32152298	0.4834	87.0- 137.0	111.4	
			Average of Peak Amounts =			0.4906			
2	6	4.930	4.930	0.000	24216563	0.5319		100.0	
2	7	5.160	5.160	0.000	28551421	0.5231	86.9- 146.9	117.9	
2	8	5.527	5.527	0.000	43607431	0.5407	145.2- 205.2	180.1	
2	9	6.213	6.213	0.000	54055454	0.5585	177.4- 237.4	223.2	
2	10	6.594	6.594	0.000	38537668	0.5367	125.7- 185.7	159.1	
			Average of Peak Amounts =			0.5382			
						RPD = 9.25			
$ 12 DCB Decachlorobiphenyl									
1	100	6.619	6.619	0.000	32406211	0.0249			
2	2	7.832	7.832	0.000	26536044	0.0268			
						RPD = 7.12			

QC Flag Legend

Review Flags
M - Manually Integrated

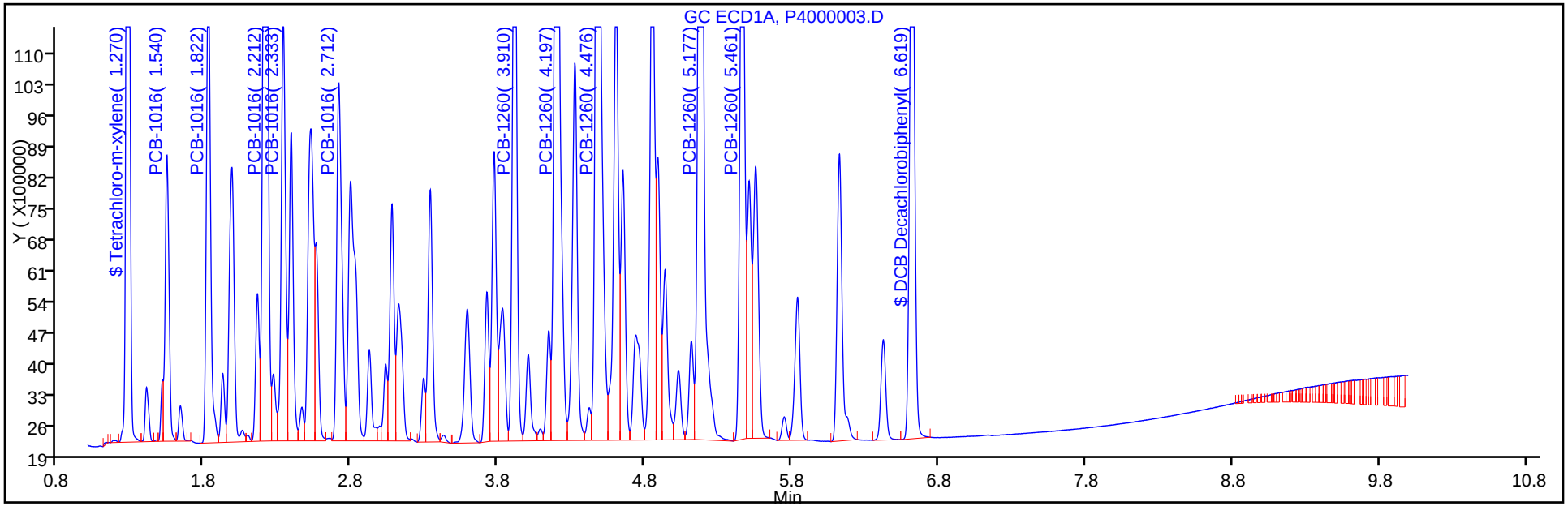
Report Date: 31-Dec-2012 09:24:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

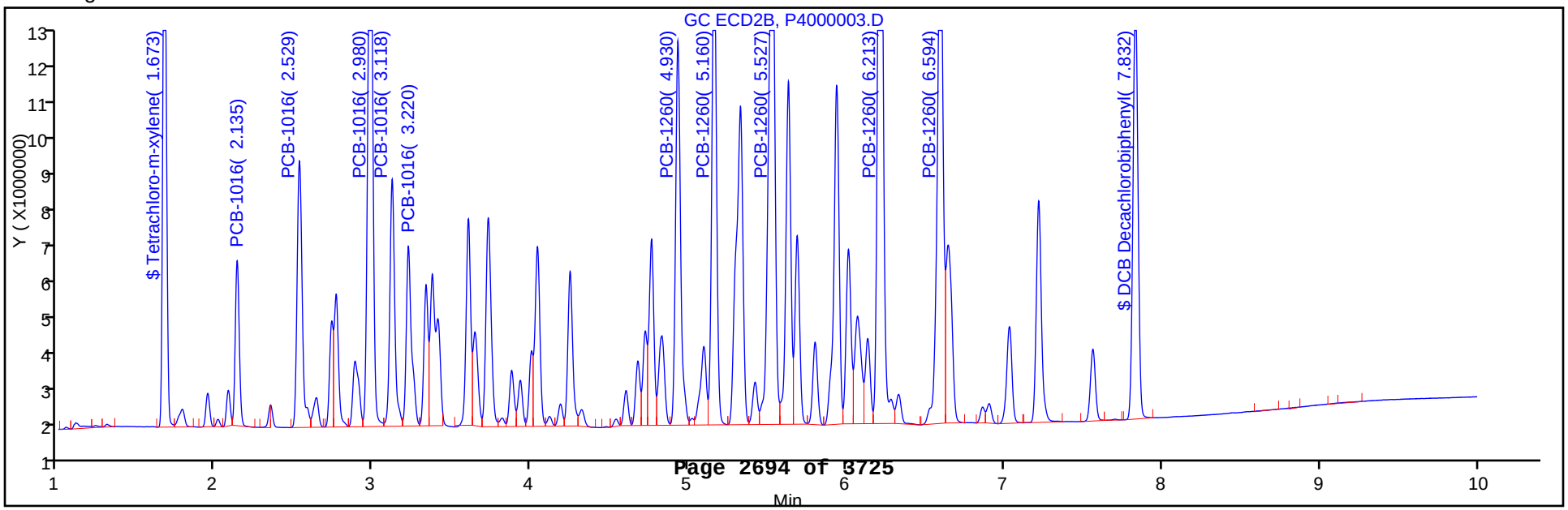
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000003.D

Injection Date:	29-Dec-2012 19:07:56	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



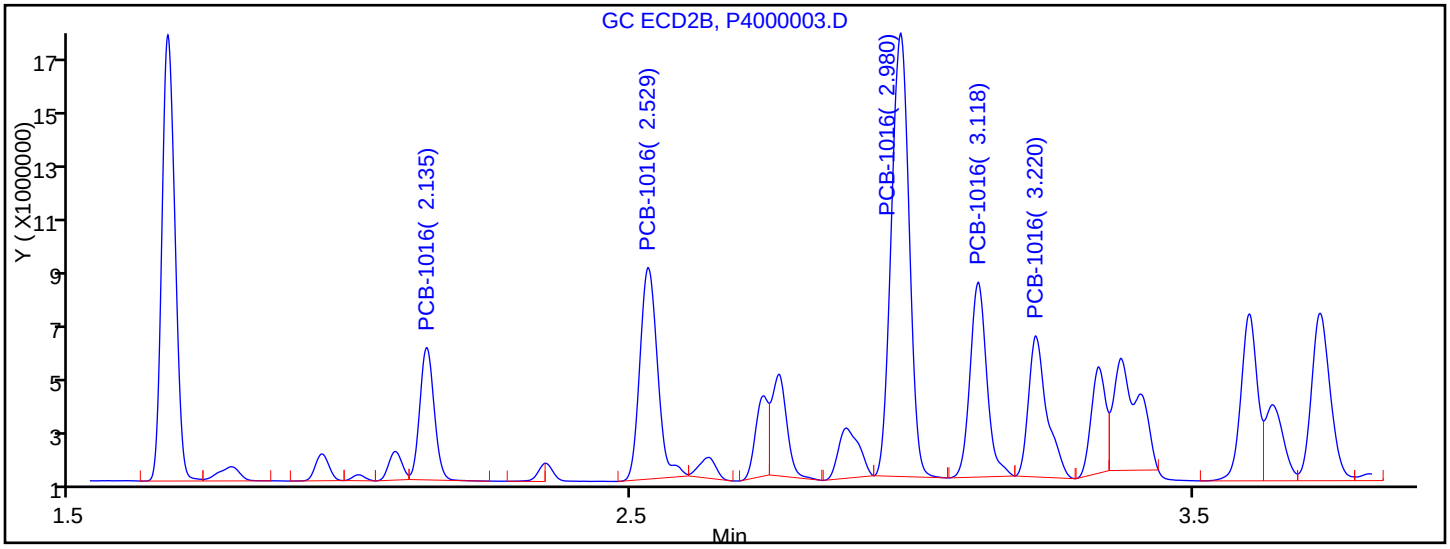
Report Date: 31-Dec-2012 09:24:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000003.D

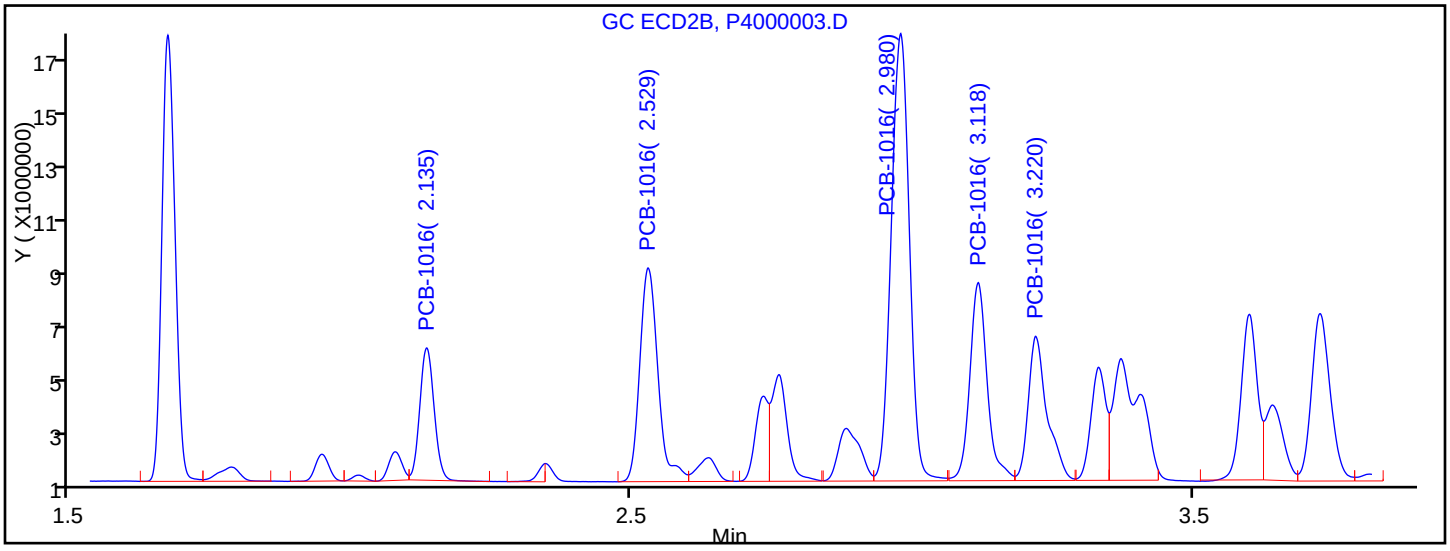
Injection Date:	29-Dec-2012 19:07:56	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

6 PCB-1016, Detector: 2, GC ecd2b



Processing Integration Results

RT = 2.135	Response = 8305189	
RT = 2.529	Response = 16371468	M
RT = 2.980	Response = 34591496	M
RT = 3.118	Response = 14273256	M
RT = 3.220	Response = 11282481	M



Manual Integration Results

RT = 2.135	Response = 8305189	
RT = 2.529	Response = 17061059	M
RT = 2.980	Response = 35632866	M
RT = 3.118	Response = 15116320	M
RT = 3.220	Response = 11922260	M

Reviewer: hassl, 31-Dec-2012 09:12:13

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70556/15 Calibration Date: 12/29/2012 22:16

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24702533	24187188		0.490	0.500	-2.1	20.0
PCB-1016 Peak 2	Ave	44151983	43590988		0.494	0.500	-1.3	20.0
PCB-1016 Peak 3	Ave	91223581	94600702		0.519	0.500	3.7	20.0
PCB-1016 Peak 4	Ave	40436349	40442330		0.500	0.500	0.0	20.0
PCB-1016 Peak 5	Ave	40503627	39841294		0.492	0.500	-1.6	20.0
PCB-1260 Peak 1	Ave	59343359	56958768		0.480	0.500	-4.0	20.0
PCB-1260 Peak 2	Ave	107397135	103559022		0.482	0.500	-3.6	20.0
PCB-1260 Peak 3	Ave	110273317	106048818		0.481	0.500	-3.8	20.0
PCB-1260 Peak 4	Ave	124594955	121029364		0.486	0.500	-2.9	20.0
PCB-1260 Peak 5	Ave	66509184	63458508		0.477	0.500	-4.6	20.0
Tetrachloro-m-xylene	Ave	1393525317	1435706640		0.0258	0.0250	3.0	20.0
DCB Decachlorobiphenyl	Ave	1299788350	1170505480		0.0225	0.0250	-9.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70556/15 Calibration Date: 12/29/2012 22:16

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.54	1.44	1.64
PCB-1016 Peak 2	1.82	1.72	1.92
PCB-1016 Peak 3	2.21	2.11	2.31
PCB-1016 Peak 4	2.33	2.23	2.43
PCB-1016 Peak 5	2.71	2.61	2.81
PCB-1260 Peak 1	3.91	3.81	4.01
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.46	5.36	5.56
Tetrachloro-m-xylene	1.27	1.17	1.37
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000015.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 29-Dec-2012 22:16:43 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016267-015
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 15
Lims Batch ID: 70556 Lims Sample ID: 15
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m
Last Update: 31-Dec-2012 09:24:09 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.269	1.269	0.000	35892666	0.0258			
2	2	1.673	1.673	0.000	25754255	0.0285			
						RPD = 10.06			
6 PCB-1016									
1	100	1.539	1.539	0.000	12093594	0.4896		100.0	
1	2	1.821	1.821	0.000	21795494	0.4936	152.4- 202.4	180.2	
1	3	2.212	2.212	0.000	47300351	0.5185	334.6- 384.6	391.1	
1	4	2.333	2.333	0.000	20221165	0.5001	125.4- 195.4	167.2	
1	5	2.711	2.711	0.000	19920647	0.4918	136.2- 186.2	164.7	
			Average of Peak Amounts =			0.4987			
2	6	2.133	2.133	0.000	8566788	0.5420		100.0	
2	7	2.529	2.529	0.000	17076537	0.5431	169.0- 229.0	199.3	
2	8	2.979	2.979	0.000	36238994	0.5734	361.2- 421.2	423.0	
2	9	3.118	3.118	0.000	15125062	0.5479	144.4- 204.4	176.6	
2	10	3.221	3.221	0.000	11909656	0.5452	108.9- 168.9	139.0	
			Average of Peak Amounts =			0.5503			
						RPD = 9.83			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.909	3.909	0.000	28479384	0.4799		100.0	
1	2	4.197	4.197	0.000	51779511	0.4821	156.3- 206.3	181.8	
1	3	4.477	4.477	0.000	53024409	0.4808	159.6- 209.6	186.2	
1	4	5.177	5.177	0.000	60514682	0.4857	183.4- 233.4	212.5	
1	5	5.460	5.460	0.000	31729254	0.4771	87.0- 137.0	111.4	
			Average of Peak Amounts =			0.4811			
2	6	4.931	4.931	0.000	22419688	0.4924		100.0	
2	7	5.160	5.160	0.000	26905698	0.4930	86.9- 146.9	120.0	
2	8	5.528	5.528	0.000	38751017	0.4805	145.2- 205.2	172.8	
2	9	6.213	6.213	0.000	48044342	0.4964	177.4- 237.4	214.3	
2	10	6.595	6.595	0.000	32754463	0.4562	125.7- 185.7	146.1	
			Average of Peak Amounts =			0.4837			
						RPD = 0.53			
$ 12 DCB Decachlorobiphenyl									
1	100	6.618	6.618	0.000	29262637	0.0225			
2	2	7.833	7.833	0.000	24436639	0.0247			
						RPD = 9.08			

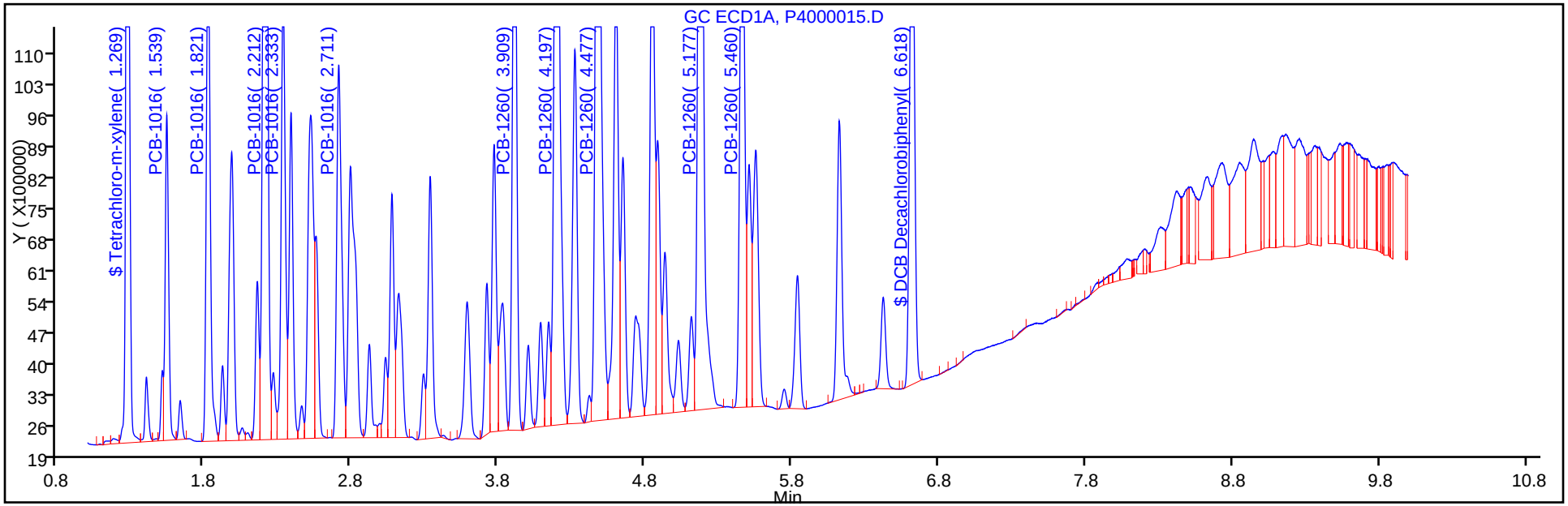
Report Date: 31-Dec-2012 09:24:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

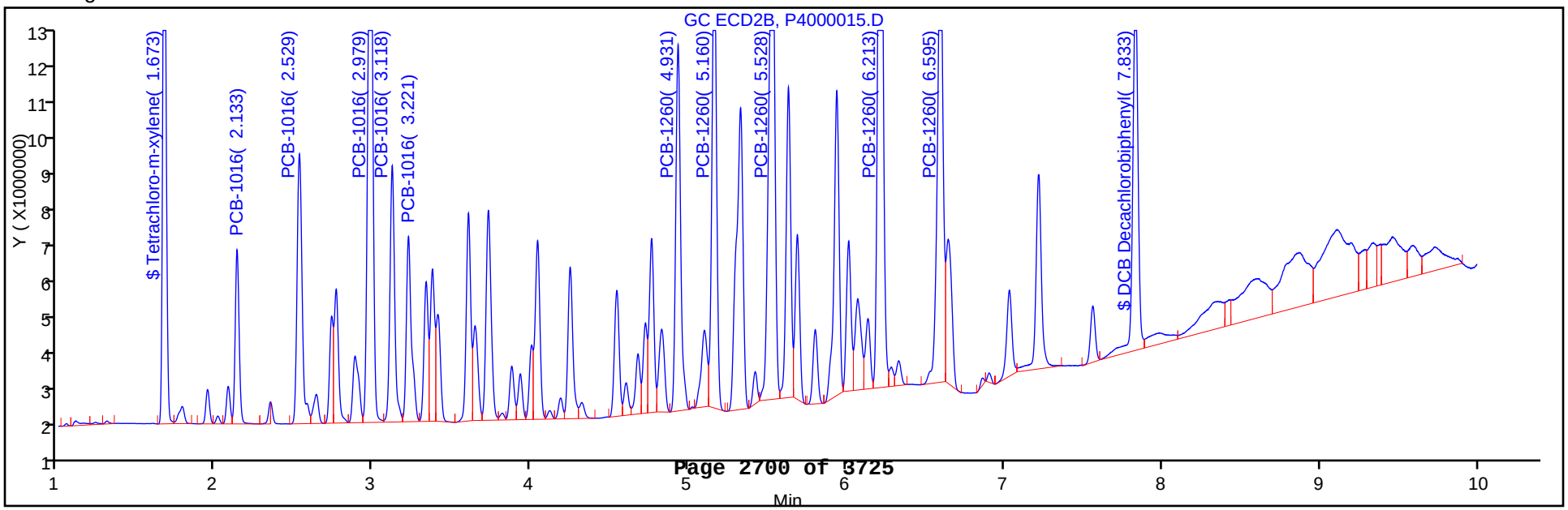
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000015.D

Injection Date:	29-Dec-2012 22:16:43	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70556/15 Calibration Date: 12/29/2012 22:16

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	15807169	17133576		0.542	0.500	8.4	20.0
PCB-1016 Peak 2	Ave	31440012	34153074		0.543	0.500	8.6	20.0
PCB-1016 Peak 3	Ave	63200288	72477988		0.573	0.500	14.7	20.0
PCB-1016 Peak 4	Ave	27607491	30250124		0.548	0.500	9.6	20.0
PCB-1016 Peak 5	Ave	21845224	23819312		0.545	0.500	9.0	20.0
PCB-1260 Peak 1	Ave	45527908	44839376		0.492	0.500	-1.5	20.0
PCB-1260 Peak 2	Ave	54580002	53811396		0.493	0.500	-1.4	20.0
PCB-1260 Peak 3	Ave	80645277	77502034		0.481	0.500	-3.9	20.0
PCB-1260 Peak 4	Ave	96793644	96088684		0.496	0.500	-0.7	20.0
PCB-1260 Peak 5	Ave	71805358	65508926		0.456	0.500	-8.8	20.0
Tetrachloro-m-xylene	Ave	904095540	1030170200		0.0285	0.0250	13.9	20.0
DCB Decachlorobiphenyl	Ave	991196823	977465560		0.0247	0.0250	-1.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70556/15 Calibration Date: 12/29/2012 22:16

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.03	2.23
PCB-1016 Peak 2	2.53	2.43	2.63
PCB-1016 Peak 3	2.98	2.88	3.08
PCB-1016 Peak 4	3.12	3.02	3.22
PCB-1016 Peak 5	3.22	3.12	3.32
PCB-1260 Peak 1	4.93	4.83	5.03
PCB-1260 Peak 2	5.16	5.06	5.26
PCB-1260 Peak 3	5.53	5.43	5.63
PCB-1260 Peak 4	6.21	6.11	6.31
PCB-1260 Peak 5	6.60	6.50	6.70
Tetrachloro-m-xylene	1.67	1.57	1.77
DCB Decachlorobiphenyl	7.83	7.73	7.93

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000015.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 29-Dec-2012 22:16:43 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016267-015
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 15
Lims Batch ID: 70556 Lims Sample ID: 15
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m
Last Update: 31-Dec-2012 09:24:09 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.269	1.269	0.000	35892666	0.0258			
2	2	1.673	1.673	0.000	25754255	0.0285			
						RPD = 10.06			
6 PCB-1016									
1	100	1.539	1.539	0.000	12093594	0.4896		100.0	
1	2	1.821	1.821	0.000	21795494	0.4936	152.4- 202.4	180.2	
1	3	2.212	2.212	0.000	47300351	0.5185	334.6- 384.6	391.1	
1	4	2.333	2.333	0.000	20221165	0.5001	125.4- 195.4	167.2	
1	5	2.711	2.711	0.000	19920647	0.4918	136.2- 186.2	164.7	
			Average of Peak Amounts =			0.4987			
2	6	2.133	2.133	0.000	8566788	0.5420		100.0	
2	7	2.529	2.529	0.000	17076537	0.5431	169.0- 229.0	199.3	
2	8	2.979	2.979	0.000	36238994	0.5734	361.2- 421.2	423.0	
2	9	3.118	3.118	0.000	15125062	0.5479	144.4- 204.4	176.6	
2	10	3.221	3.221	0.000	11909656	0.5452	108.9- 168.9	139.0	
			Average of Peak Amounts =			0.5503			
						RPD = 9.83			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.909	3.909	0.000	28479384	0.4799		100.0	
1	2	4.197	4.197	0.000	51779511	0.4821	156.3- 206.3	181.8	
1	3	4.477	4.477	0.000	53024409	0.4808	159.6- 209.6	186.2	
1	4	5.177	5.177	0.000	60514682	0.4857	183.4- 233.4	212.5	
1	5	5.460	5.460	0.000	31729254	0.4771	87.0- 137.0	111.4	
			Average of Peak Amounts =			0.4811			
2	6	4.931	4.931	0.000	22419688	0.4924		100.0	
2	7	5.160	5.160	0.000	26905698	0.4930	86.9- 146.9	120.0	
2	8	5.528	5.528	0.000	38751017	0.4805	145.2- 205.2	172.8	
2	9	6.213	6.213	0.000	48044342	0.4964	177.4- 237.4	214.3	
2	10	6.595	6.595	0.000	32754463	0.4562	125.7- 185.7	146.1	
			Average of Peak Amounts =			0.4837			
						RPD = 0.53			
$ 12 DCB Decachlorobiphenyl									
1	100	6.618	6.618	0.000	29262637	0.0225			
2	2	7.833	7.833	0.000	24436639	0.0247			
						RPD = 9.08			

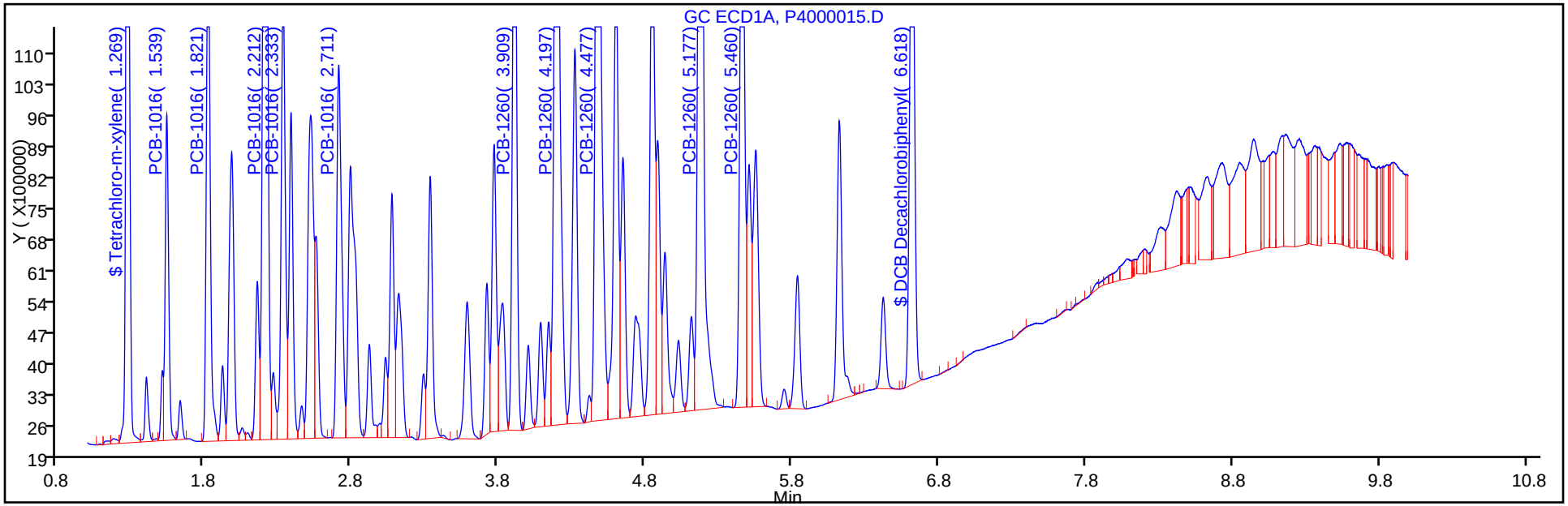
Report Date: 31-Dec-2012 09:24:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

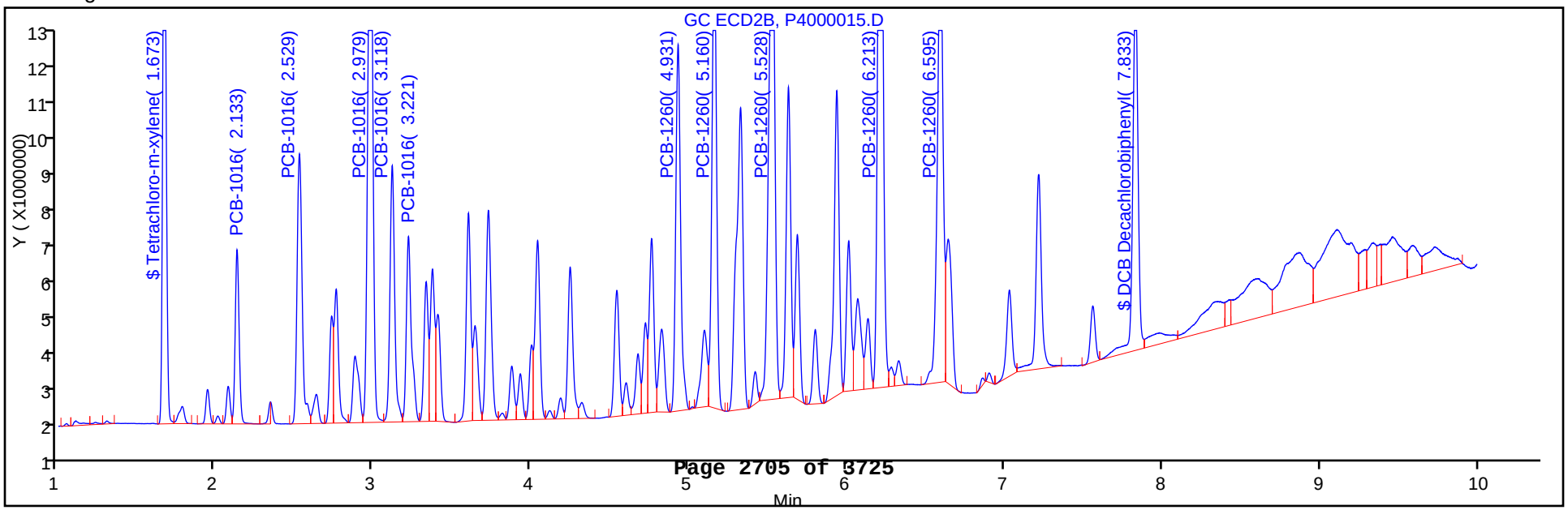
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000015.D

Injection Date:	29-Dec-2012 22:16:43	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70556/26 Calibration Date: 12/30/2012 01:09

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24702533	25052414		0.507	0.500	1.4	20.0
PCB-1016 Peak 2	Ave	44151983	44818232		0.508	0.500	1.5	20.0
PCB-1016 Peak 3	Ave	91223581	97050658		0.532	0.500	6.4	20.0
PCB-1016 Peak 4	Ave	40436349	41493158		0.513	0.500	2.6	20.0
PCB-1016 Peak 5	Ave	40503627	41095970		0.507	0.500	1.5	20.0
PCB-1260 Peak 1	Ave	59343359	60168106		0.507	0.500	1.4	20.0
PCB-1260 Peak 2	Ave	107397135	109837902		0.511	0.500	2.3	20.0
PCB-1260 Peak 3	Ave	110273317	112526012		0.510	0.500	2.0	20.0
PCB-1260 Peak 4	Ave	124594955	123729010		0.497	0.500	-0.7	20.0
PCB-1260 Peak 5	Ave	66509184	64271930		0.483	0.500	-3.4	20.0
Tetrachloro-m-xylene	Ave	1393525317	1460268160		0.0262	0.0250	4.8	20.0
DCB Decachlorobiphenyl	Ave	1299788350	1174202360		0.0226	0.0250	-9.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70556/26 Calibration Date: 12/30/2012 01:09

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000026.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.54	1.44	1.64
PCB-1016 Peak 2	1.82	1.72	1.92
PCB-1016 Peak 3	2.21	2.11	2.31
PCB-1016 Peak 4	2.33	2.23	2.43
PCB-1016 Peak 5	2.71	2.61	2.81
PCB-1260 Peak 1	3.91	3.81	4.01
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.46	5.36	5.56
Tetrachloro-m-xylene	1.27	1.17	1.37
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000026.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 30-Dec-2012 01:09:39 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016267-026
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 26
Lims Batch ID: 70556 Lims Sample ID: 26
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m
Last Update: 31-Dec-2012 09:24:29 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	36506704	0.0262			
2	2	1.673	1.673	0.000	26773621	0.0296			
						RPD = 12.24			
6 PCB-1016									
1	100	1.540	1.540	0.000	12526207	0.5071		100.0	
1	2	1.822	1.822	0.000	22409116	0.5075	152.4- 202.4	178.9	
1	3	2.213	2.213	0.000	48525329	0.5319	334.6- 384.6	387.4	
1	4	2.334	2.334	0.000	20746579	0.5131	125.4- 195.4	165.6	
1	5	2.712	2.712	0.000	20547985	0.5073	136.2- 186.2	164.0	
			Average of Peak Amounts =			0.5134			
2	6	2.135	2.135	0.000	8872751	0.5613		100.0	
2	7	2.530	2.530	0.000	17731801	0.5640	169.0- 229.0	199.8	
2	8	2.980	2.980	0.000	37609981	0.5951	361.2- 421.2	423.9	
2	9	3.119	3.119	0.000	15803044	0.5724	144.4- 204.4	178.1	
2	10	3.222	3.222	0.000	12501230	0.5723	108.9- 168.9	140.9	
			Average of Peak Amounts =			0.5730			
						RPD = 10.98			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.910	3.910	0.000	30084053	0.5069		100.0	
1	2	4.197	4.197	0.000	54918951	0.5114	156.3- 206.3	182.6	
1	3	4.476	4.476	0.000	56263006	0.5102	159.6- 209.6	187.0	
1	4	5.177	5.177	0.000	61864505	0.4965	183.4- 233.4	205.6	
1	5	5.462	5.462	0.000	32135965	0.4832	87.0- 137.0	106.8	
			Average of Peak Amounts =			0.5016			
2	6	4.932	4.932	0.000	23353101	0.5129		100.0	
2	7	5.162	5.162	0.000	27756383	0.5085	86.9- 146.9	118.9	
2	8	5.530	5.530	0.000	42072506	0.5217	145.2- 205.2	180.2	
2	9	6.214	6.214	0.000	49063528	0.5069	177.4- 237.4	210.1	
2	10	6.595	6.595	0.000	33725083	0.4697	125.7- 185.7	144.4	
			Average of Peak Amounts =			0.5039			
						RPD = 0.46			
$ 12 DCB Decachlorobiphenyl									
1	100	6.620	6.620	0.000	29355059	0.0226			
2	2	7.833	7.833	0.000	23705960	0.0239			
						RPD = 5.73			

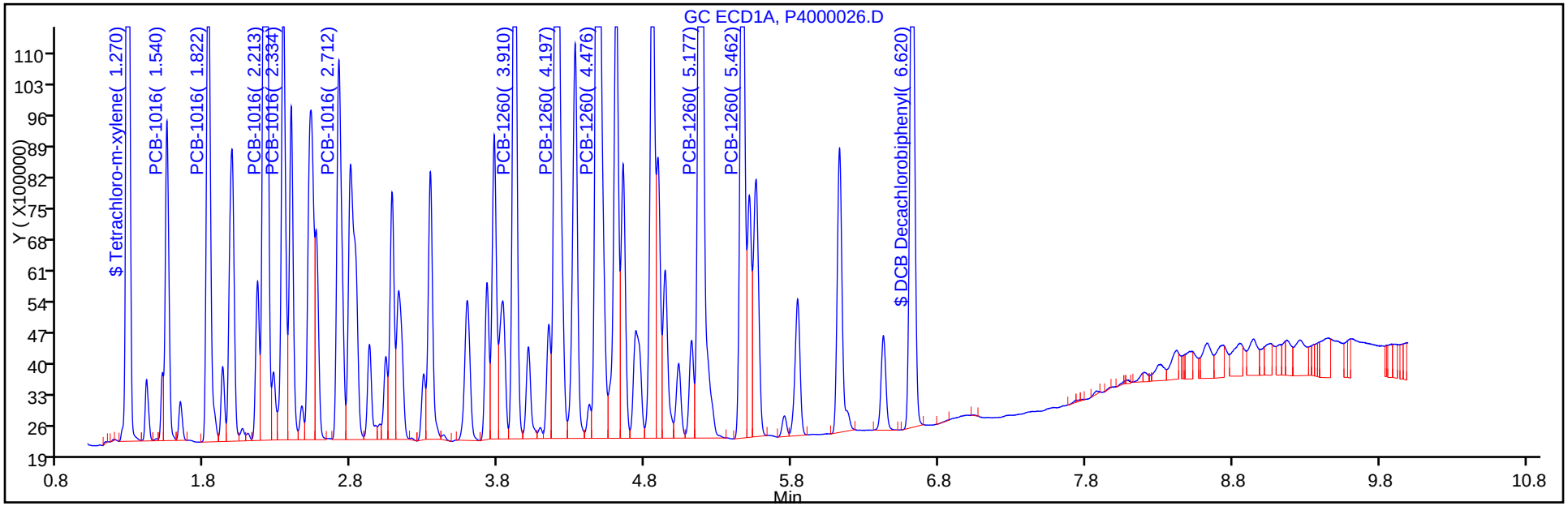
Report Date: 31-Dec-2012 09:24:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

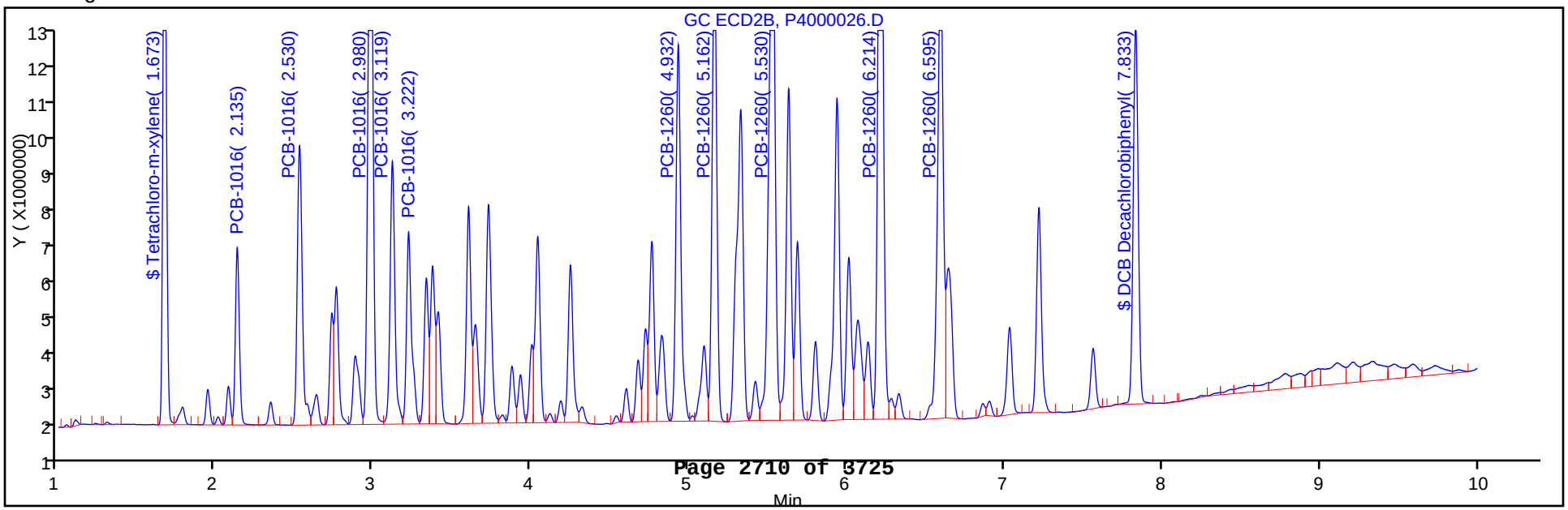
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000026.D

Injection Date:	30-Dec-2012 01:09:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70556/26 Calibration Date: 12/30/2012 01:09

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	15807169	17745502		0.561	0.500	12.3	20.0
PCB-1016 Peak 2	Ave	31440012	35463602		0.564	0.500	12.8	20.0
PCB-1016 Peak 3	Ave	63200288	75219962		0.595	0.500	19.0	20.0
PCB-1016 Peak 4	Ave	27607491	31606088		0.572	0.500	14.5	20.0
PCB-1016 Peak 5	Ave	21845224	25002460		0.572	0.500	14.5	20.0
PCB-1260 Peak 1	Ave	45527908	46706202		0.513	0.500	2.6	20.0
PCB-1260 Peak 2	Ave	54580002	55512766		0.509	0.500	1.7	20.0
PCB-1260 Peak 3	Ave	80645277	84145012		0.522	0.500	4.3	20.0
PCB-1260 Peak 4	Ave	96793644	98127056		0.507	0.500	1.4	20.0
PCB-1260 Peak 5	Ave	71805358	67450166		0.470	0.500	-6.1	20.0
Tetrachloro-m-xylene	Ave	904095540	1070944840		0.0296	0.0250	18.5	20.0
DCB Decachlorobiphenyl	Ave	991196823	948238400		0.0239	0.0250	-4.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70556/26 Calibration Date: 12/30/2012 01:09

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000026.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.04	2.24
PCB-1016 Peak 2	2.53	2.43	2.63
PCB-1016 Peak 3	2.98	2.88	3.08
PCB-1016 Peak 4	3.12	3.02	3.22
PCB-1016 Peak 5	3.22	3.12	3.32
PCB-1260 Peak 1	4.93	4.83	5.03
PCB-1260 Peak 2	5.16	5.06	5.26
PCB-1260 Peak 3	5.53	5.43	5.63
PCB-1260 Peak 4	6.21	6.11	6.31
PCB-1260 Peak 5	6.60	6.50	6.70
Tetrachloro-m-xylene	1.67	1.57	1.77
DCB Decachlorobiphenyl	7.83	7.73	7.93

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000026.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 30-Dec-2012 01:09:39 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016267-026
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 26
Lims Batch ID: 70556 Lims Sample ID: 26
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m
Last Update: 31-Dec-2012 09:24:29 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	36506704	0.0262			
2	2	1.673	1.673	0.000	26773621	0.0296			
						RPD = 12.24			
6 PCB-1016									
1	100	1.540	1.540	0.000	12526207	0.5071		100.0	
1	2	1.822	1.822	0.000	22409116	0.5075	152.4- 202.4	178.9	
1	3	2.213	2.213	0.000	48525329	0.5319	334.6- 384.6	387.4	
1	4	2.334	2.334	0.000	20746579	0.5131	125.4- 195.4	165.6	
1	5	2.712	2.712	0.000	20547985	0.5073	136.2- 186.2	164.0	
			Average of Peak Amounts =			0.5134			
2	6	2.135	2.135	0.000	8872751	0.5613		100.0	
2	7	2.530	2.530	0.000	17731801	0.5640	169.0- 229.0	199.8	
2	8	2.980	2.980	0.000	37609981	0.5951	361.2- 421.2	423.9	
2	9	3.119	3.119	0.000	15803044	0.5724	144.4- 204.4	178.1	
2	10	3.222	3.222	0.000	12501230	0.5723	108.9- 168.9	140.9	
			Average of Peak Amounts =			0.5730			
						RPD = 10.98			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.910	3.910	0.000	30084053	0.5069		100.0	
1	2	4.197	4.197	0.000	54918951	0.5114	156.3- 206.3	182.6	
1	3	4.476	4.476	0.000	56263006	0.5102	159.6- 209.6	187.0	
1	4	5.177	5.177	0.000	61864505	0.4965	183.4- 233.4	205.6	
1	5	5.462	5.462	0.000	32135965	0.4832	87.0- 137.0	106.8	
			Average of Peak Amounts =			0.5016			
2	6	4.932	4.932	0.000	23353101	0.5129		100.0	
2	7	5.162	5.162	0.000	27756383	0.5085	86.9- 146.9	118.9	
2	8	5.530	5.530	0.000	42072506	0.5217	145.2- 205.2	180.2	
2	9	6.214	6.214	0.000	49063528	0.5069	177.4- 237.4	210.1	
2	10	6.595	6.595	0.000	33725083	0.4697	125.7- 185.7	144.4	
			Average of Peak Amounts =			0.5039			
						RPD = 0.46			
$ 12 DCB Decachlorobiphenyl									
1	100	6.620	6.620	0.000	29355059	0.0226			
2	2	7.833	7.833	0.000	23705960	0.0239			
						RPD = 5.73			

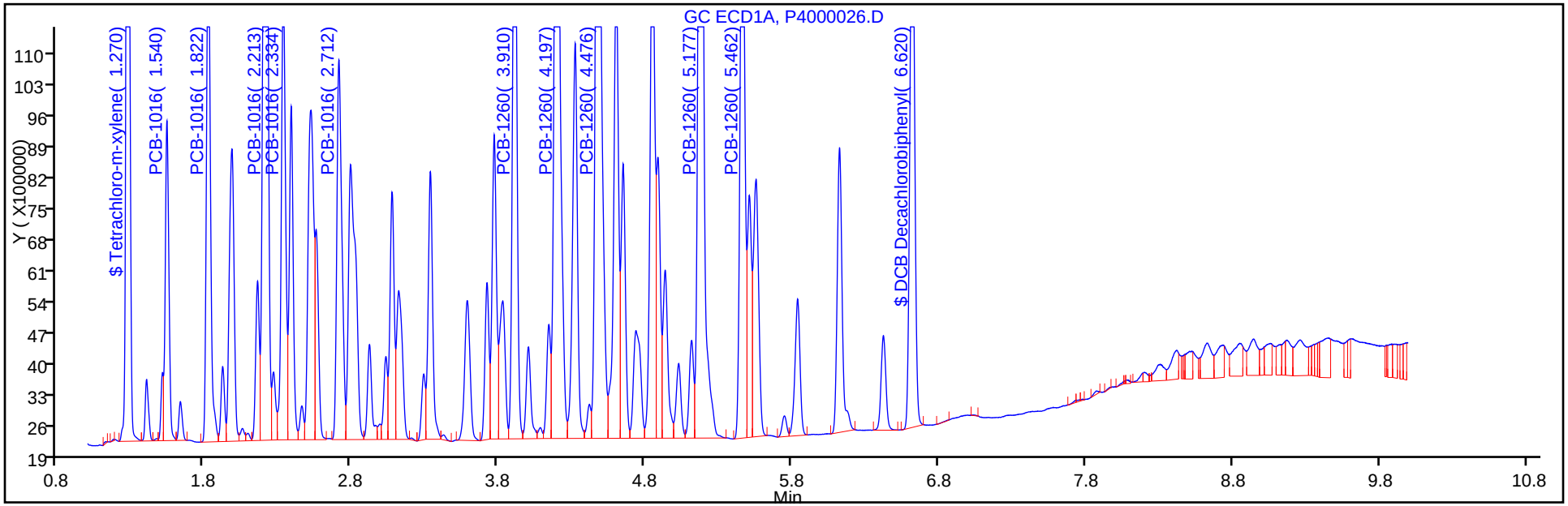
Report Date: 31-Dec-2012 09:24:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

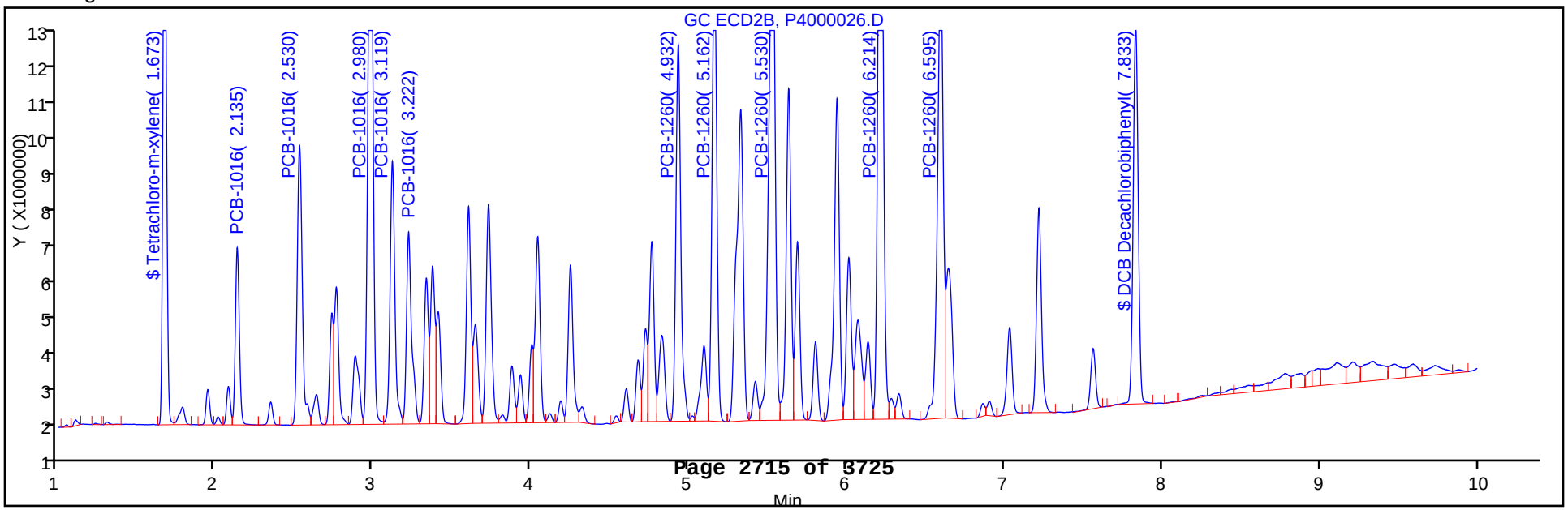
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000026.D

Injection Date:	30-Dec-2012 01:09:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70882/3 Calibration Date: 01/02/2013 14:12

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24702533	23048294		0.467	0.500	-6.7	20.0
PCB-1016 Peak 2	Ave	44151983	40561048		0.459	0.500	-8.1	20.0
PCB-1016 Peak 3	Ave	91223581	87217276		0.478	0.500	-4.4	20.0
PCB-1016 Peak 4	Ave	40436349	37535970		0.464	0.500	-7.2	20.0
PCB-1016 Peak 5	Ave	40503627	37295292		0.460	0.500	-7.9	20.0
PCB-1260 Peak 1	Ave	59343359	55297022		0.466	0.500	-6.8	20.0
PCB-1260 Peak 2	Ave	107397135	101505644		0.473	0.500	-5.5	20.0
PCB-1260 Peak 3	Ave	110273317	104403040		0.473	0.500	-5.3	20.0
PCB-1260 Peak 4	Ave	124594955	121695224		0.488	0.500	-2.3	20.0
PCB-1260 Peak 5	Ave	66509184	62451870		0.469	0.500	-6.1	20.0
Tetrachloro-m-xylene	Ave	1393525317	1319473400		0.0237	0.0250	-5.3	20.0
DCB Decachlorobiphenyl	Ave	1299788350	1240092800		0.0239	0.0250	-4.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70882/3 Calibration Date: 01/02/2013 14:12

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.54	1.44	1.64
PCB-1016 Peak 2	1.82	1.72	1.92
PCB-1016 Peak 3	2.21	2.11	2.31
PCB-1016 Peak 4	2.33	2.23	2.43
PCB-1016 Peak 5	2.71	2.61	2.81
PCB-1260 Peak 1	3.91	3.81	4.01
PCB-1260 Peak 2	4.19	4.09	4.29
PCB-1260 Peak 3	4.47	4.37	4.57
PCB-1260 Peak 4	5.17	5.07	5.27
PCB-1260 Peak 5	5.46	5.36	5.56
Tetrachloro-m-xylene	1.27	1.17	1.37
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000003.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 02-Jan-2013 14:12:38 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016346-003
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 3
Lims Batch ID: 70882 Lims Sample ID: 3
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m
Last Update: 03-Jan-2013 07:16:40 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK037

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.268	1.268	0.000	32986835	0.0237			
2	2	1.672	1.672	0.000	24819717	0.0275			
						RPD = 14.79			
6 PCB-1016									
1	100	1.538	1.538	0.000	11524147	0.4665		100.0	
1	2	1.820	1.820	0.000	20280524	0.4593	152.4- 202.4	176.0	
1	3	2.211	2.211	0.000	43608638	0.4780	334.6- 384.6	378.4	
1	4	2.331	2.331	0.000	18767985	0.4641	125.4- 195.4	162.9	
1	5	2.710	2.710	0.000	18647646	0.4604	136.2- 186.2	161.8	
			Average of Peak Amounts =			0.4657			
2	6	2.132	2.132	0.000	8217294	0.5198		100.0	
2	7	2.527	2.527	0.000	16319041	0.5191	169.0- 229.0	198.6	
2	8	2.977	2.977	0.000	34037792	0.5386	361.2- 421.2	414.2	
2	9	3.116	3.116	0.000	13964038	0.5058	144.4- 204.4	169.9	
2	10	3.218	3.218	0.000	10989379	0.5031	108.9- 168.9	133.7	
			Average of Peak Amounts =			0.5173			
						RPD = 10.50			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.908	3.908	0.000	27648511	0.4659		100.0	
1	2	4.193	4.193	0.000	50752822	0.4726	156.3- 206.3	183.6	
1	3	4.473	4.473	0.000	52201520	0.4734	159.6- 209.6	188.8	
1	4	5.173	5.173	0.000	60847612	0.4884	183.4- 233.4	220.1	
1	5	5.457	5.457	0.000	31225935	0.4695	87.0- 137.0	112.9	
			Average of Peak Amounts =			0.4739			
2	6	4.928	4.928	0.000	23639752	0.5192		100.0	
2	7	5.158	5.158	0.000	28172461	0.5162	86.9- 146.9	119.2	
2	8	5.525	5.525	0.000	42978776	0.5329	145.2- 205.2	181.8	
2	9	6.212	6.212	0.000	53642729	0.5542	177.4- 237.4	226.9	
2	10	6.592	6.592	0.000	37979414	0.5289	125.7- 185.7	160.7	
			Average of Peak Amounts =			0.5303			
						RPD = 11.22			
$ 12 DCB Decachlorobiphenyl									
1	100	6.616	6.616	0.000	31002320	0.0239			
2	2	7.827	7.827	0.000	25683900	0.0259			
						RPD = 8.28			

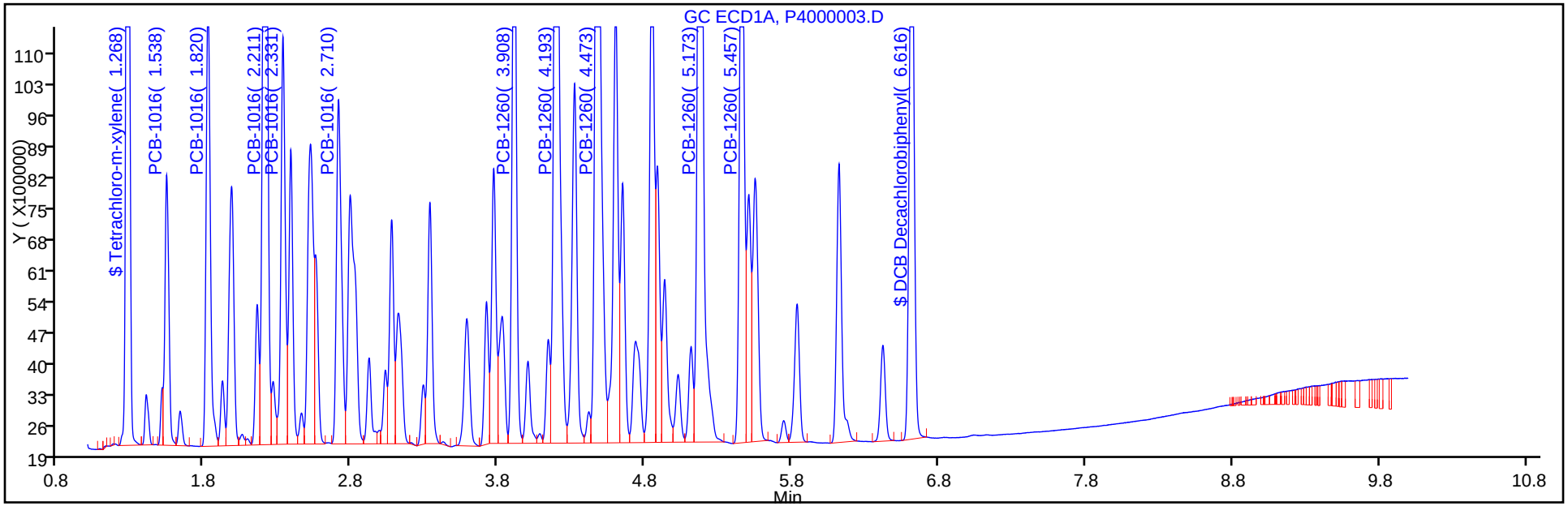
Report Date: 03-Jan-2013 07:16:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

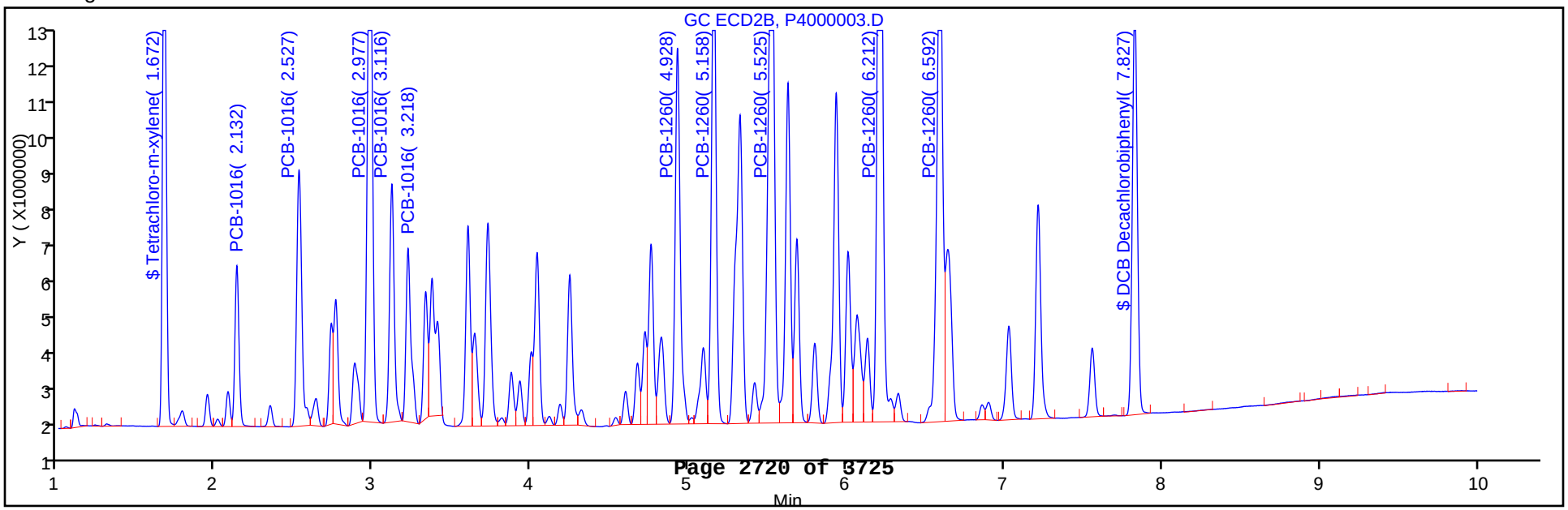
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000003.D

Injection Date:	02-Jan-2013 14:12:38	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70882/3 Calibration Date: 01/02/2013 14:12

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	15807169	16434588		0.520	0.500	4.0	20.0
PCB-1016 Peak 2	Ave	31440012	32638082		0.519	0.500	3.8	20.0
PCB-1016 Peak 3	Ave	63200288	68075584		0.539	0.500	7.7	20.0
PCB-1016 Peak 4	Ave	27607491	27928076		0.506	0.500	1.2	20.0
PCB-1016 Peak 5	Ave	21845224	21978758		0.503	0.500	0.6	20.0
PCB-1260 Peak 1	Ave	45527908	47279504		0.519	0.500	3.8	20.0
PCB-1260 Peak 2	Ave	54580002	56344922		0.516	0.500	3.2	20.0
PCB-1260 Peak 3	Ave	80645277	85957552		0.533	0.500	6.6	20.0
PCB-1260 Peak 4	Ave	96793644	107285458		0.554	0.500	10.8	20.0
PCB-1260 Peak 5	Ave	71805358	75958828		0.529	0.500	5.8	20.0
Tetrachloro-m-xylene	Ave	904095540	992788680		0.0275	0.0250	9.8	20.0
DCB Decachlorobiphenyl	Ave	991196823	1027356000		0.0259	0.0250	3.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70882/3 Calibration Date: 01/02/2013 14:12

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.03	2.23
PCB-1016 Peak 2	2.53	2.43	2.63
PCB-1016 Peak 3	2.98	2.88	3.08
PCB-1016 Peak 4	3.12	3.02	3.22
PCB-1016 Peak 5	3.22	3.12	3.32
PCB-1260 Peak 1	4.93	4.83	5.03
PCB-1260 Peak 2	5.16	5.06	5.26
PCB-1260 Peak 3	5.53	5.43	5.63
PCB-1260 Peak 4	6.21	6.11	6.31
PCB-1260 Peak 5	6.59	6.49	6.69
Tetrachloro-m-xylene	1.67	1.57	1.77
DCB Decachlorobiphenyl	7.83	7.73	7.93

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000003.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 02-Jan-2013 14:12:38 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0016346-003
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 3
Lims Batch ID: 70882 Lims Sample ID: 3
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m
Last Update: 03-Jan-2013 07:16:40 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK037

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.268	1.268	0.000	32986835	0.0237			
2	2	1.672	1.672	0.000	24819717	0.0275			
						RPD = 14.79			
6 PCB-1016									
1	100	1.538	1.538	0.000	11524147	0.4665		100.0	
1	2	1.820	1.820	0.000	20280524	0.4593	152.4- 202.4	176.0	
1	3	2.211	2.211	0.000	43608638	0.4780	334.6- 384.6	378.4	
1	4	2.331	2.331	0.000	18767985	0.4641	125.4- 195.4	162.9	
1	5	2.710	2.710	0.000	18647646	0.4604	136.2- 186.2	161.8	
			Average of Peak Amounts =			0.4657			
2	6	2.132	2.132	0.000	8217294	0.5198		100.0	
2	7	2.527	2.527	0.000	16319041	0.5191	169.0- 229.0	198.6	
2	8	2.977	2.977	0.000	34037792	0.5386	361.2- 421.2	414.2	
2	9	3.116	3.116	0.000	13964038	0.5058	144.4- 204.4	169.9	
2	10	3.218	3.218	0.000	10989379	0.5031	108.9- 168.9	133.7	
			Average of Peak Amounts =			0.5173			
						RPD = 10.50			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.908	3.908	0.000	27648511	0.4659		100.0	
1	2	4.193	4.193	0.000	50752822	0.4726	156.3- 206.3	183.6	
1	3	4.473	4.473	0.000	52201520	0.4734	159.6- 209.6	188.8	
1	4	5.173	5.173	0.000	60847612	0.4884	183.4- 233.4	220.1	
1	5	5.457	5.457	0.000	31225935	0.4695	87.0- 137.0	112.9	
			Average of Peak Amounts =			0.4739			
2	6	4.928	4.928	0.000	23639752	0.5192		100.0	
2	7	5.158	5.158	0.000	28172461	0.5162	86.9- 146.9	119.2	
2	8	5.525	5.525	0.000	42978776	0.5329	145.2- 205.2	181.8	
2	9	6.212	6.212	0.000	53642729	0.5542	177.4- 237.4	226.9	
2	10	6.592	6.592	0.000	37979414	0.5289	125.7- 185.7	160.7	
			Average of Peak Amounts =			0.5303			
						RPD = 11.22			
$ 12 DCB Decachlorobiphenyl									
1	100	6.616	6.616	0.000	31002320	0.0239			
2	2	7.827	7.827	0.000	25683900	0.0259			
						RPD = 8.28			

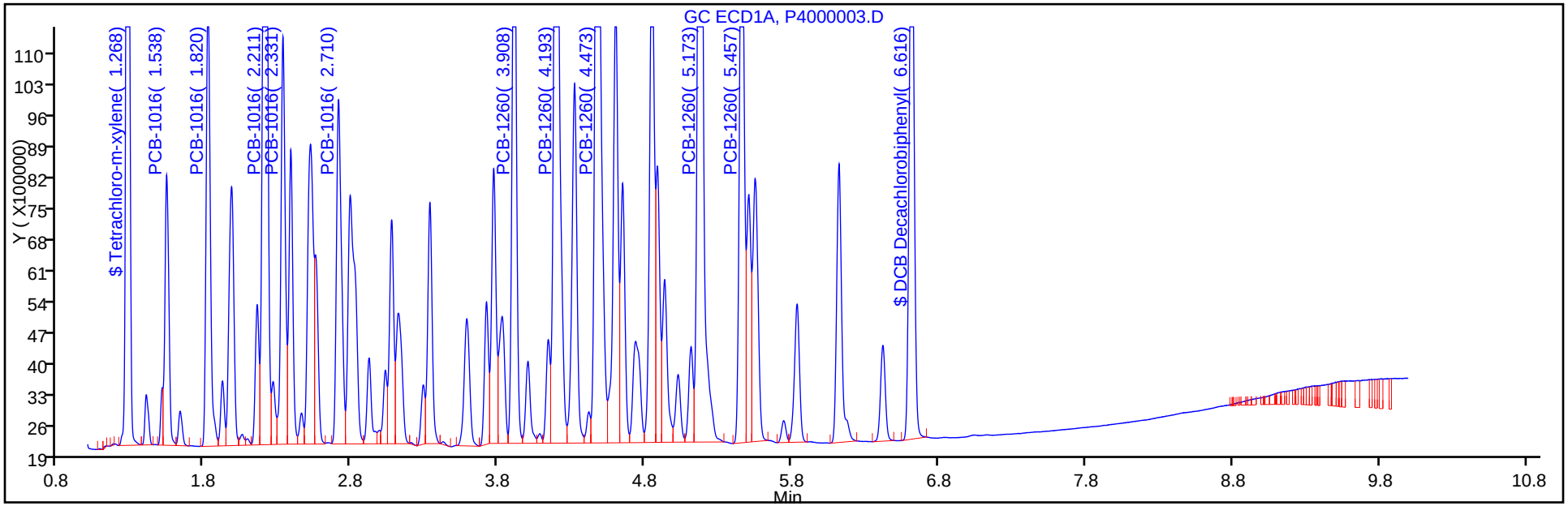
Report Date: 03-Jan-2013 07:16:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

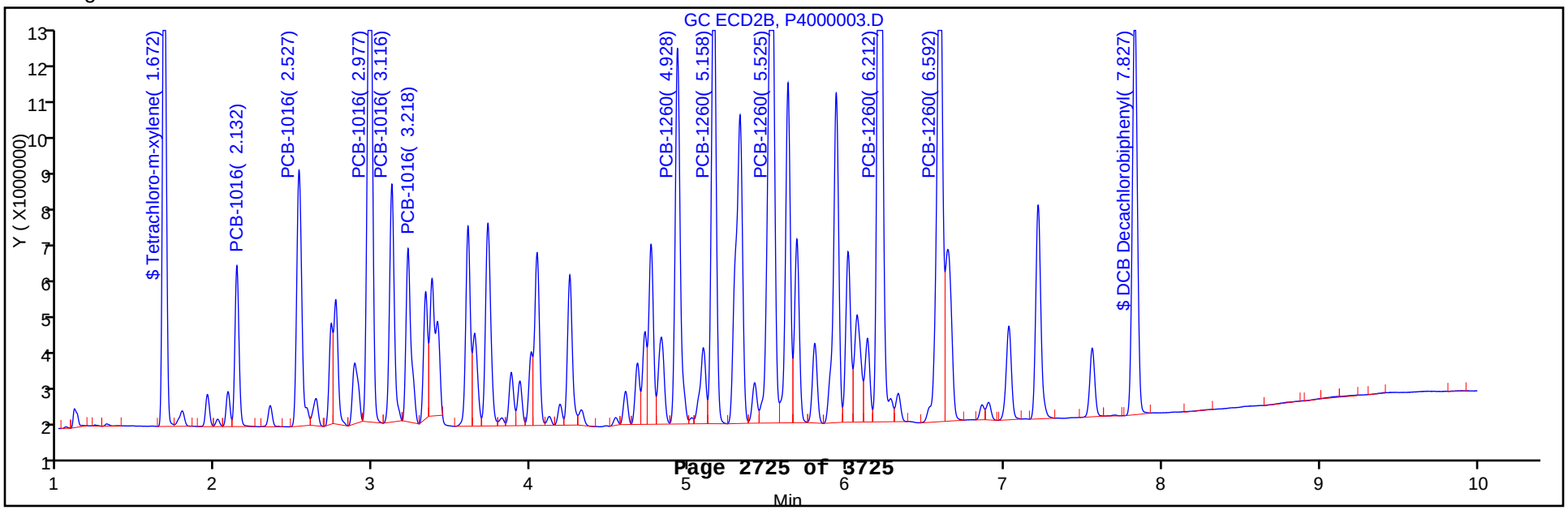
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000003.D

Injection Date:	02-Jan-2013 14:12:38	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70882/15 Calibration Date: 01/02/2013 17:21

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24702533	23169326		0.469	0.500	-6.2	20.0
PCB-1016 Peak 2	Ave	44151983	41346344		0.468	0.500	-6.4	20.0
PCB-1016 Peak 3	Ave	91223581	90058370		0.494	0.500	-1.3	20.0
PCB-1016 Peak 4	Ave	40436349	38383880		0.475	0.500	-5.1	20.0
PCB-1016 Peak 5	Ave	40503627	37522570		0.463	0.500	-7.4	20.0
PCB-1260 Peak 1	Ave	59343359	54231608		0.457	0.500	-8.6	20.0
PCB-1260 Peak 2	Ave	107397135	99078078		0.461	0.500	-7.7	20.0
PCB-1260 Peak 3	Ave	110273317	100917602		0.458	0.500	-8.5	20.0
PCB-1260 Peak 4	Ave	124594955	104763016		0.420	0.500	-15.9	20.0
PCB-1260 Peak 5	Ave	66509184	53133842		0.399	0.500	-20.1*	20.0
Tetrachloro-m-xylene	Ave	1393525317	1351581680		0.0242	0.0250	-3.0	20.0
DCB Decachlorobiphenyl	Ave	1299788350	985237760		0.0189	0.0250	-24.2*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70882/15 Calibration Date: 01/02/2013 17:21

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.54	1.44	1.64
PCB-1016 Peak 2	1.82	1.72	1.92
PCB-1016 Peak 3	2.21	2.11	2.31
PCB-1016 Peak 4	2.33	2.23	2.43
PCB-1016 Peak 5	2.71	2.61	2.81
PCB-1260 Peak 1	3.91	3.81	4.01
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.46	5.36	5.56
Tetrachloro-m-xylene	1.27	1.17	1.37
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000015.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 02-Jan-2013 17:21:23 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016346-015
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 15
Lims Batch ID: 70882 Lims Sample ID: 15
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m
Last Update: 03-Jan-2013 07:17:02 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK037

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	33789542	0.0242			
2	2	1.673	1.673	0.000	25256926	0.0279			
						RPD = 14.14			
6 PCB-1016									
1	100	1.540	1.540	0.000	11584663	0.4690		100.0	
1	2	1.822	1.822	0.000	20673172	0.4682	152.4- 202.4	178.5	
1	3	2.213	2.213	0.000	45029185	0.4936	334.6- 384.6	388.7	
1	4	2.333	2.333	0.000	19191940	0.4746	125.4- 195.4	165.7	
1	5	2.711	2.711	0.000	18761285	0.4632	136.2- 186.2	161.9	
			Average of Peak Amounts =			0.4737			
2	6	2.134	2.134	0.000	8318447	0.5262		100.0	
2	7	2.529	2.529	0.000	15777556	0.5018	169.0- 229.0	189.7	
2	8	2.979	2.979	0.000	34333130	0.5432	361.2- 421.2	412.7	
2	9	3.119	3.119	0.000	14007390	0.5074	144.4- 204.4	168.4	
2	10	3.221	3.221	0.000	10986438	0.5029	108.9- 168.9	132.1	
			Average of Peak Amounts =			0.5163			
						RPD = 8.61			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.909	3.909	0.000	27115804	0.4569		100.0	
1	2	4.196	4.196	0.000	49539039	0.4613	156.3- 206.3	182.7	
1	3	4.476	4.476	0.000	50458801	0.4576	159.6- 209.6	186.1	
1	4	5.177	5.177	0.000	52381508	0.4204	183.4- 233.4	193.2	
1	5	5.460	5.460	0.000	26566921	0.3994	87.0- 137.0	98.0	
			Average of Peak Amounts =			0.4391			
2	6	4.930	4.930	0.000	19664400	0.4319		100.0	
2	7	5.160	5.160	0.000	23700288	0.4342	86.9- 146.9	120.5	
2	8	5.529	5.529	0.000	35500216	0.4402	145.2- 205.2	180.5	
2	9	6.214	6.214	0.000	42946498	0.4437	177.4- 237.4	218.4	
2	10	6.595	6.595	0.000	28388738	0.3954	125.7- 185.7	144.4	
			Average of Peak Amounts =			0.4291			
						RPD = 2.31			
$ 12 DCB Decachlorobiphenyl									
1	100	6.618	6.618	0.000	24630944	0.0189			
2	2	7.833	7.833	0.000	20214359	0.0204			
						RPD = 7.34			

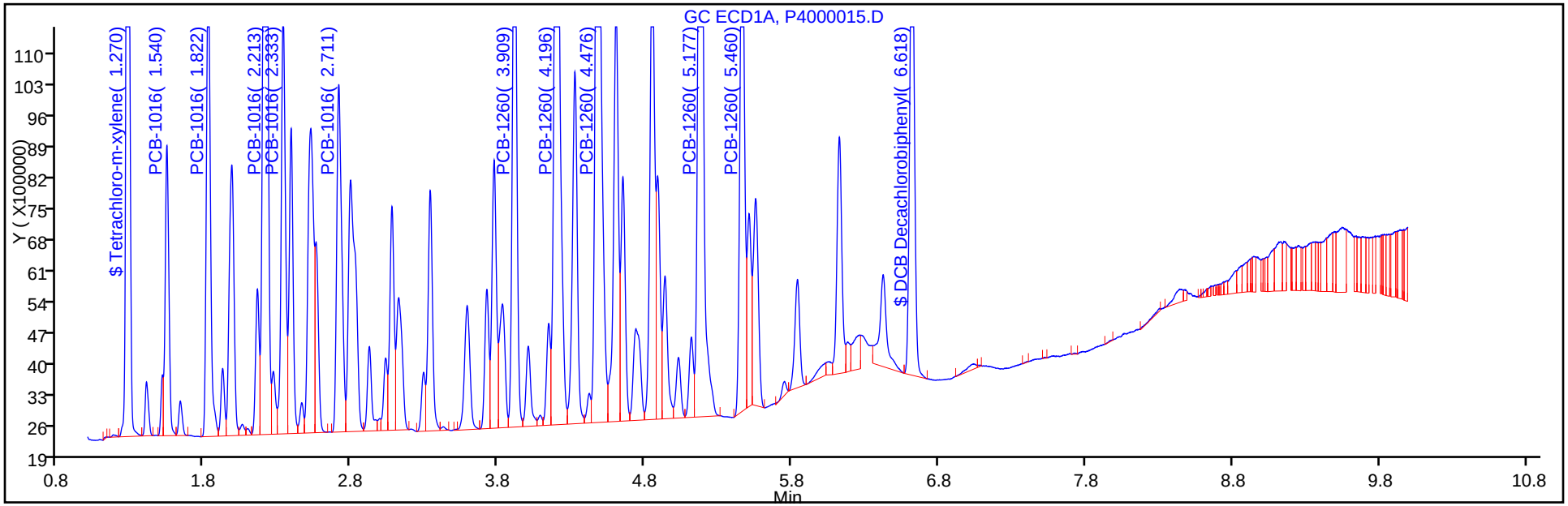
Report Date: 03-Jan-2013 07:17:04 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

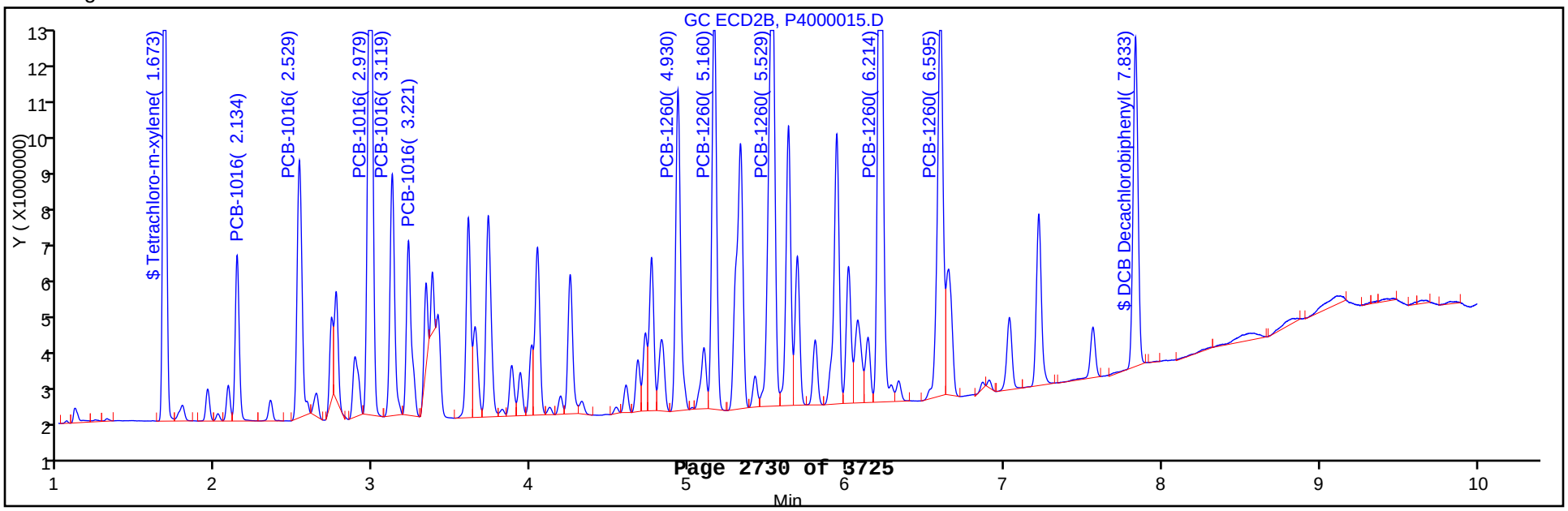
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000015.D

Injection Date:	02-Jan-2013 17:21:23	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70882/15 Calibration Date: 01/02/2013 17:21

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	15807169	16636894		0.526	0.500	5.2	20.0
PCB-1016 Peak 2	Ave	31440012	31555112		0.502	0.500	0.4	20.0
PCB-1016 Peak 3	Ave	63200288	68666260		0.543	0.500	8.6	20.0
PCB-1016 Peak 4	Ave	27607491	28014780		0.507	0.500	1.5	20.0
PCB-1016 Peak 5	Ave	21845224	21972876		0.503	0.500	0.6	20.0
PCB-1260 Peak 1	Ave	45527908	39328800		0.432	0.500	-13.6	20.0
PCB-1260 Peak 2	Ave	54580002	47400576		0.434	0.500	-13.2	20.0
PCB-1260 Peak 3	Ave	80645277	71000432		0.440	0.500	-12.0	20.0
PCB-1260 Peak 4	Ave	96793644	85892996		0.444	0.500	-11.3	20.0
PCB-1260 Peak 5	Ave	71805358	56777476		0.395	0.500	-20.9*	20.0
Tetrachloro-m-xylene	Ave	904095540	1010277040		0.0279	0.0250	11.7	20.0
DCB Decachlorobiphenyl	Ave	991196823	808574360		0.0204	0.0250	-18.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70882/15 Calibration Date: 01/02/2013 17:21

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.03	2.23
PCB-1016 Peak 2	2.53	2.43	2.63
PCB-1016 Peak 3	2.98	2.88	3.08
PCB-1016 Peak 4	3.12	3.02	3.22
PCB-1016 Peak 5	3.22	3.12	3.32
PCB-1260 Peak 1	4.93	4.83	5.03
PCB-1260 Peak 2	5.16	5.06	5.26
PCB-1260 Peak 3	5.53	5.43	5.63
PCB-1260 Peak 4	6.21	6.11	6.31
PCB-1260 Peak 5	6.60	6.50	6.70
Tetrachloro-m-xylene	1.67	1.57	1.77
DCB Decachlorobiphenyl	7.83	7.73	7.93

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000015.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 02-Jan-2013 17:21:23 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016346-015
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 15
Lims Batch ID: 70882 Lims Sample ID: 15
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m
Last Update: 03-Jan-2013 07:17:02 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK037

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	33789542	0.0242			
2	2	1.673	1.673	0.000	25256926	0.0279			
						RPD = 14.14			
6 PCB-1016									
1	100	1.540	1.540	0.000	11584663	0.4690		100.0	
1	2	1.822	1.822	0.000	20673172	0.4682	152.4- 202.4	178.5	
1	3	2.213	2.213	0.000	45029185	0.4936	334.6- 384.6	388.7	
1	4	2.333	2.333	0.000	19191940	0.4746	125.4- 195.4	165.7	
1	5	2.711	2.711	0.000	18761285	0.4632	136.2- 186.2	161.9	
			Average of Peak Amounts =			0.4737			
2	6	2.134	2.134	0.000	8318447	0.5262		100.0	
2	7	2.529	2.529	0.000	15777556	0.5018	169.0- 229.0	189.7	
2	8	2.979	2.979	0.000	34333130	0.5432	361.2- 421.2	412.7	
2	9	3.119	3.119	0.000	14007390	0.5074	144.4- 204.4	168.4	
2	10	3.221	3.221	0.000	10986438	0.5029	108.9- 168.9	132.1	
			Average of Peak Amounts =			0.5163			
						RPD = 8.61			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.909	3.909	0.000	27115804	0.4569		100.0	
1	2	4.196	4.196	0.000	49539039	0.4613	156.3- 206.3	182.7	
1	3	4.476	4.476	0.000	50458801	0.4576	159.6- 209.6	186.1	
1	4	5.177	5.177	0.000	52381508	0.4204	183.4- 233.4	193.2	
1	5	5.460	5.460	0.000	26566921	0.3994	87.0- 137.0	98.0	
			Average of Peak Amounts =			0.4391			
2	6	4.930	4.930	0.000	19664400	0.4319		100.0	
2	7	5.160	5.160	0.000	23700288	0.4342	86.9- 146.9	120.5	
2	8	5.529	5.529	0.000	35500216	0.4402	145.2- 205.2	180.5	
2	9	6.214	6.214	0.000	42946498	0.4437	177.4- 237.4	218.4	
2	10	6.595	6.595	0.000	28388738	0.3954	125.7- 185.7	144.4	
			Average of Peak Amounts =			0.4291			
						RPD = 2.31			
$ 12 DCB Decachlorobiphenyl									
1	100	6.618	6.618	0.000	24630944	0.0189			
2	2	7.833	7.833	0.000	20214359	0.0204			
						RPD = 7.34			

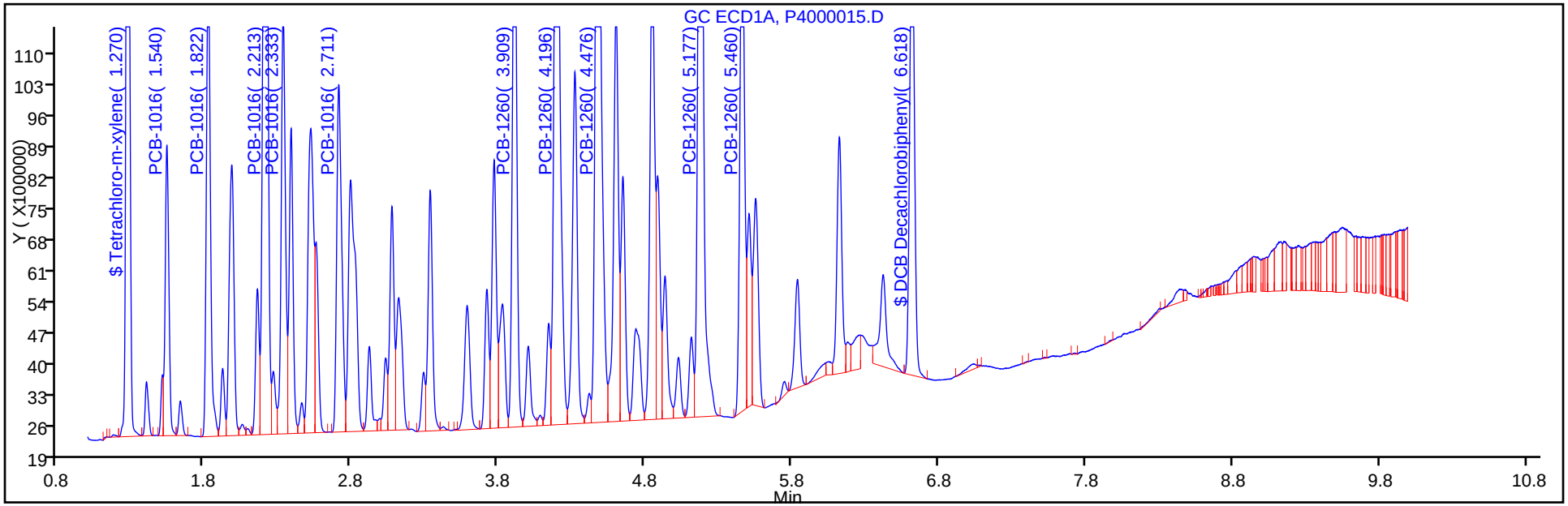
Report Date: 03-Jan-2013 07:17:04 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

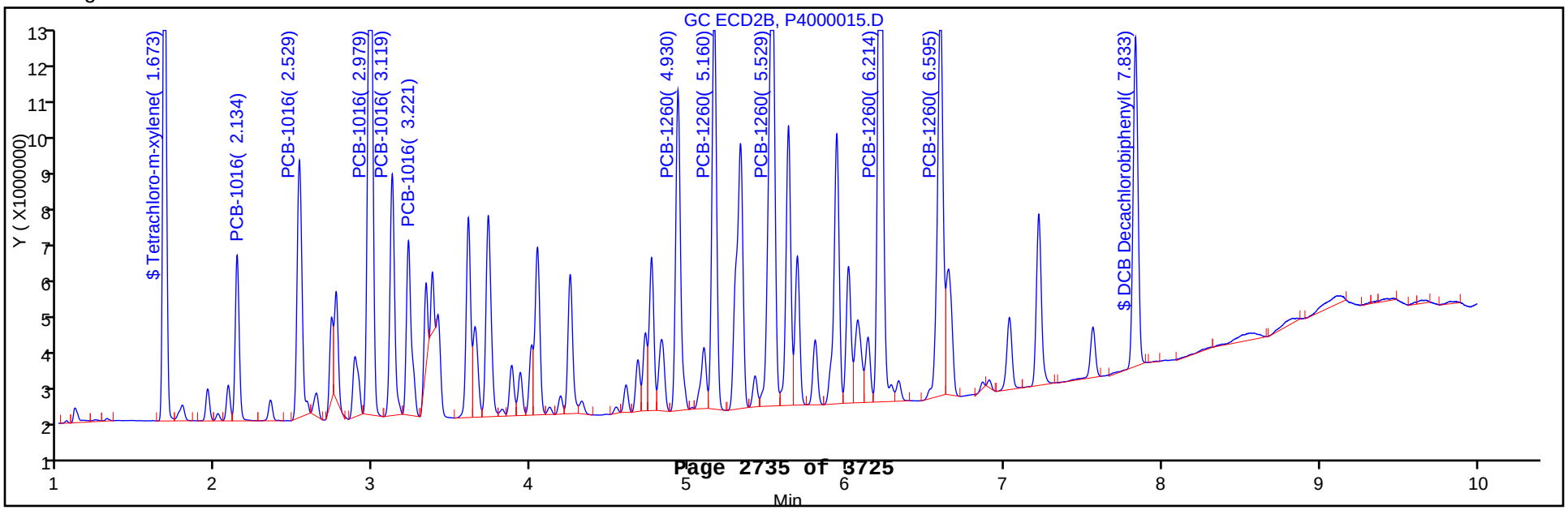
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000015.D

Injection Date:	02-Jan-2013 17:21:23	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70882/26 Calibration Date: 01/02/2013 20:14

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24702533	27941956		0.566	0.500	13.1	20.0
PCB-1016 Peak 2	Ave	44151983	44168700		0.500	0.500	0.0	20.0
PCB-1016 Peak 3	Ave	91223581	96682222		0.530	0.500	6.0	20.0
PCB-1016 Peak 4	Ave	40436349	40732908		0.504	0.500	0.7	20.0
PCB-1016 Peak 5	Ave	40503627	39757796		0.491	0.500	-1.8	20.0
PCB-1260 Peak 1	Ave	59343359	53930832		0.454	0.500	-9.1	20.0
PCB-1260 Peak 2	Ave	107397135	97170020		0.452	0.500	-9.5	20.0
PCB-1260 Peak 3	Ave	110273317	96611094		0.438	0.500	-12.4	20.0
PCB-1260 Peak 4	Ave	124594955	100514492		0.403	0.500	-19.3	20.0
PCB-1260 Peak 5	Ave	66509184	53168520		0.400	0.500	-20.1*	20.0
Tetrachloro-m-xylene	Ave	1393525317	1448301480		0.0260	0.0250	3.9	20.0
DCB Decachlorobiphenyl	Ave	1299788350	975563160		0.0188	0.0250	-24.9*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70882/26 Calibration Date: 01/02/2013 20:14

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000026.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.54	1.44	1.64
PCB-1016 Peak 2	1.83	1.73	1.93
PCB-1016 Peak 3	2.22	2.12	2.32
PCB-1016 Peak 4	2.34	2.24	2.44
PCB-1016 Peak 5	2.71	2.61	2.81
PCB-1260 Peak 1	3.91	3.81	4.01
PCB-1260 Peak 2	4.20	4.10	4.30
PCB-1260 Peak 3	4.48	4.38	4.58
PCB-1260 Peak 4	5.18	5.08	5.28
PCB-1260 Peak 5	5.46	5.36	5.56
Tetrachloro-m-xylene	1.27	1.17	1.37
DCB Decachlorobiphenyl	6.62	6.52	6.72

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000026.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 02-Jan-2013 20:14:03 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016346-026
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 26
Lims Batch ID: 70882 Lims Sample ID: 26
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m
Last Update: 03-Jan-2013 07:17:25 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK037

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	36207537	0.0260			
2	2	1.675	1.675	0.000	27004295	0.0299			
						RPD = 13.92			
6 PCB-1016									
1	100	1.542	1.542	0.000	13970978	0.5656		100.0	
1	2	1.825	1.825	0.000	22084350	0.5002	152.4- 202.4	158.1	
1	3	2.215	2.215	0.000	48341111	0.5299	334.6- 384.6	346.0	
1	4	2.335	2.335	0.000	20366454	0.5037	125.4- 195.4	145.8	
1	5	2.713	2.713	0.000	19878898	0.4908	136.2- 186.2	142.3	
			Average of Peak Amounts =			0.5180			
2	6	2.136	2.136	0.000	8844179	0.5595		100.0	
2	7	2.531	2.531	0.000	17600444	0.5598	169.0- 229.0	199.0	
2	8	2.981	2.981	0.000	37276206	0.5898	361.2- 421.2	421.5	
2	9	3.119	3.119	0.000	15428928	0.5589	144.4- 204.4	174.5	
2	10	3.222	3.222	0.000	12046276	0.5514	108.9- 168.9	136.2	
			Average of Peak Amounts =			0.5639			
						RPD = 8.48			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.911	3.911	0.000	26965416	0.4544		100.0	
1	2	4.197	4.197	0.000	48585010	0.4524	156.3- 206.3	180.2	
1	3	4.478	4.478	0.000	48305547	0.4381	159.6- 209.6	179.1	
1	4	5.178	5.178	0.000	50257246	0.4034	183.4- 233.4	186.4	
1	5	5.462	5.462	0.000	26584260	0.3997	87.0- 137.0	98.6	
			Average of Peak Amounts =			0.4296			
2	6	4.931	4.931	0.000	19782180	0.4345		100.0	
2	7	5.161	5.161	0.000	23932306	0.4385	86.9- 146.9	121.0	
2	8	5.530	5.530	0.000	34599964	0.4290	145.2- 205.2	174.9	
2	9	6.214	6.214	0.000	40535544	0.4188	177.4- 237.4	204.9	
2	10	6.595	6.595	0.000	28199379	0.3927	125.7- 185.7	142.5	
			Average of Peak Amounts =			0.4227			
						RPD = 1.61			
$ 12 DCB Decachlorobiphenyl									
1	100	6.620	6.620	0.000	24389079	0.0188			
2	2	7.832	7.832	0.000	20875364	0.0211			
						RPD = 11.53			

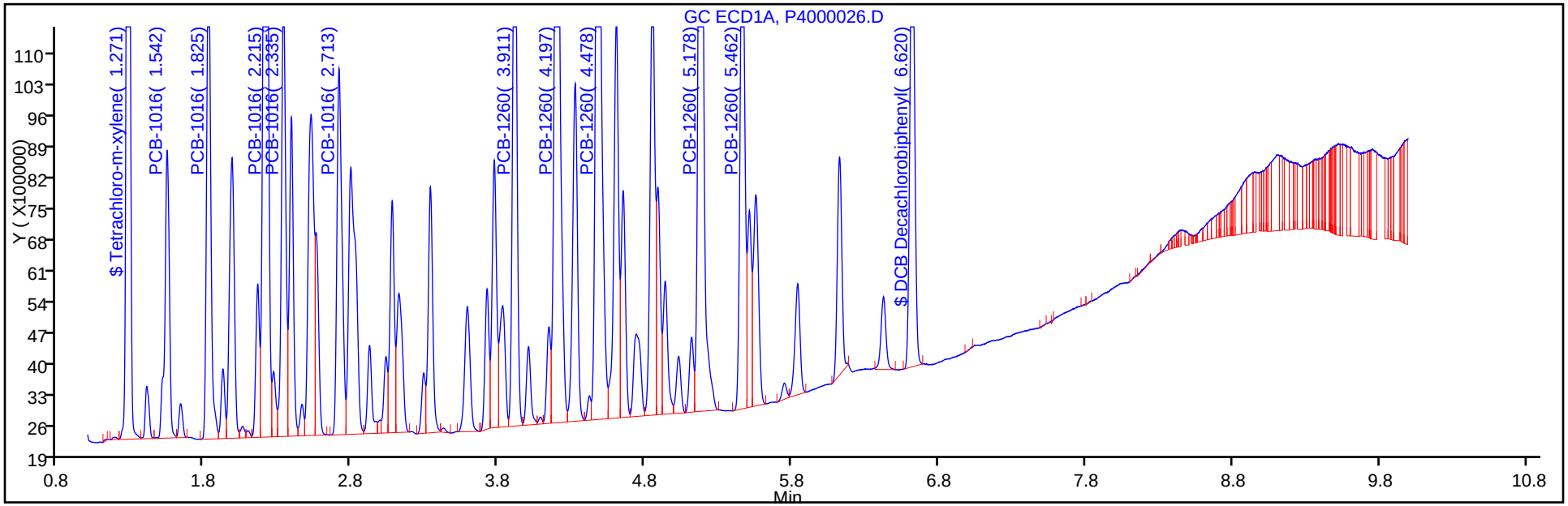
Report Date: 03-Jan-2013 07:17:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

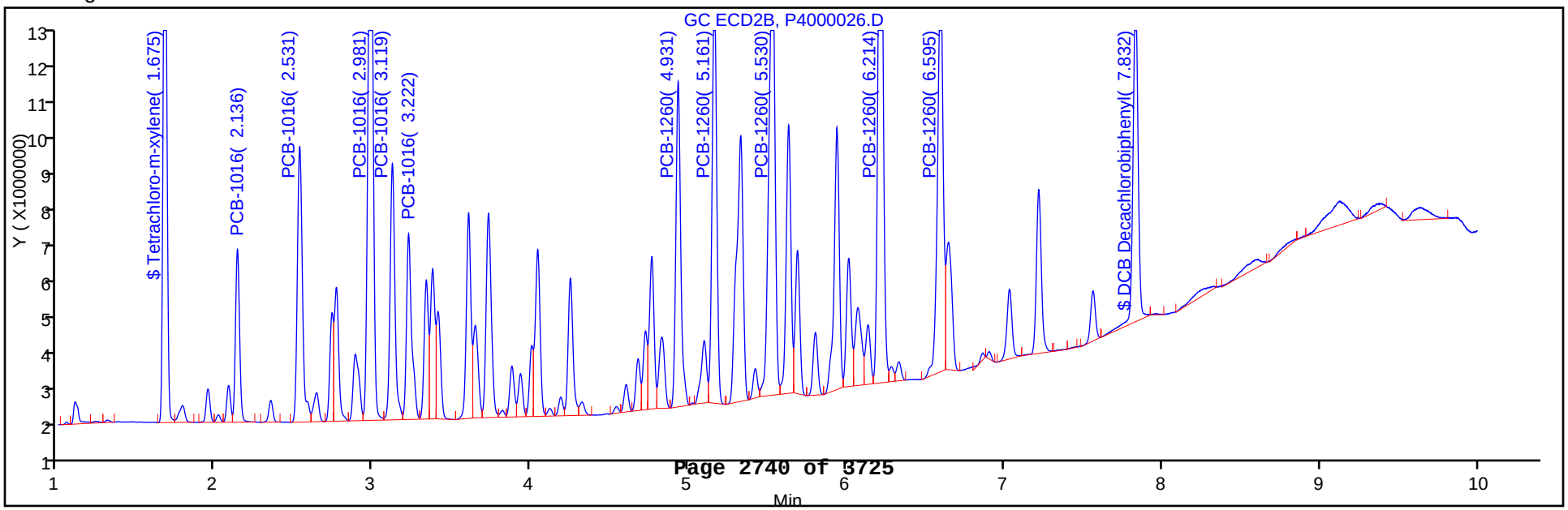
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000026.D

Injection Date:	02-Jan-2013 20:14:03	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70882/26 Calibration Date: 01/02/2013 20:14

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	15807169	17688358		0.560	0.500	11.9	20.0
PCB-1016 Peak 2	Ave	31440012	35200888		0.560	0.500	12.0	20.0
PCB-1016 Peak 3	Ave	63200288	74552412		0.590	0.500	18.0	20.0
PCB-1016 Peak 4	Ave	27607491	30857856		0.559	0.500	11.8	20.0
PCB-1016 Peak 5	Ave	21845224	24092552		0.551	0.500	10.3	20.0
PCB-1260 Peak 1	Ave	45527908	39564360		0.435	0.500	-13.1	20.0
PCB-1260 Peak 2	Ave	54580002	47864612		0.438	0.500	-12.3	20.0
PCB-1260 Peak 3	Ave	80645277	69199928		0.429	0.500	-14.2	20.0
PCB-1260 Peak 4	Ave	96793644	81071088		0.419	0.500	-16.2	20.0
PCB-1260 Peak 5	Ave	71805358	56398758		0.393	0.500	-21.5*	20.0
Tetrachloro-m-xylene	Ave	904095540	1080171800		0.0299	0.0250	19.5	20.0
DCB Decachlorobiphenyl	Ave	991196823	835014560		0.0211	0.0250	-15.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-70882/26 Calibration Date: 01/02/2013 20:14

Instrument ID: A2HP4 Calib Start Date: 12/04/2012 14:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/04/2012 16:09

Lab File ID: P4000026.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.04	2.24
PCB-1016 Peak 2	2.53	2.43	2.63
PCB-1016 Peak 3	2.98	2.88	3.08
PCB-1016 Peak 4	3.12	3.02	3.22
PCB-1016 Peak 5	3.22	3.12	3.32
PCB-1260 Peak 1	4.93	4.83	5.03
PCB-1260 Peak 2	5.16	5.06	5.26
PCB-1260 Peak 3	5.53	5.43	5.63
PCB-1260 Peak 4	6.21	6.11	6.31
PCB-1260 Peak 5	6.60	6.50	6.70
Tetrachloro-m-xylene	1.68	1.58	1.78
DCB Decachlorobiphenyl	7.83	7.73	7.93

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000026.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 02-Jan-2013 20:14:03 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016346-026
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 26
Lims Batch ID: 70882 Lims Sample ID: 26
Sublist: chrom-PCB4*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m
Last Update: 03-Jan-2013 07:17:25 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK037

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	36207537	0.0260			
2	2	1.675	1.675	0.000	27004295	0.0299			
						RPD = 13.92			
6 PCB-1016									
1	100	1.542	1.542	0.000	13970978	0.5656		100.0	
1	2	1.825	1.825	0.000	22084350	0.5002	152.4- 202.4	158.1	
1	3	2.215	2.215	0.000	48341111	0.5299	334.6- 384.6	346.0	
1	4	2.335	2.335	0.000	20366454	0.5037	125.4- 195.4	145.8	
1	5	2.713	2.713	0.000	19878898	0.4908	136.2- 186.2	142.3	
			Average of Peak Amounts =			0.5180			
2	6	2.136	2.136	0.000	8844179	0.5595		100.0	
2	7	2.531	2.531	0.000	17600444	0.5598	169.0- 229.0	199.0	
2	8	2.981	2.981	0.000	37276206	0.5898	361.2- 421.2	421.5	
2	9	3.119	3.119	0.000	15428928	0.5589	144.4- 204.4	174.5	
2	10	3.222	3.222	0.000	12046276	0.5514	108.9- 168.9	136.2	
			Average of Peak Amounts =			0.5639			
						RPD = 8.48			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.911	3.911	0.000	26965416	0.4544		100.0	
1	2	4.197	4.197	0.000	48585010	0.4524	156.3- 206.3	180.2	
1	3	4.478	4.478	0.000	48305547	0.4381	159.6- 209.6	179.1	
1	4	5.178	5.178	0.000	50257246	0.4034	183.4- 233.4	186.4	
1	5	5.462	5.462	0.000	26584260	0.3997	87.0- 137.0	98.6	
			Average of Peak Amounts =			0.4296			
2	6	4.931	4.931	0.000	19782180	0.4345		100.0	
2	7	5.161	5.161	0.000	23932306	0.4385	86.9- 146.9	121.0	
2	8	5.530	5.530	0.000	34599964	0.4290	145.2- 205.2	174.9	
2	9	6.214	6.214	0.000	40535544	0.4188	177.4- 237.4	204.9	
2	10	6.595	6.595	0.000	28199379	0.3927	125.7- 185.7	142.5	
			Average of Peak Amounts =			0.4227			
						RPD = 1.61			
$ 12 DCB Decachlorobiphenyl									
1	100	6.620	6.620	0.000	24389079	0.0188			
2	2	7.832	7.832	0.000	20875364	0.0211			
						RPD = 11.53			

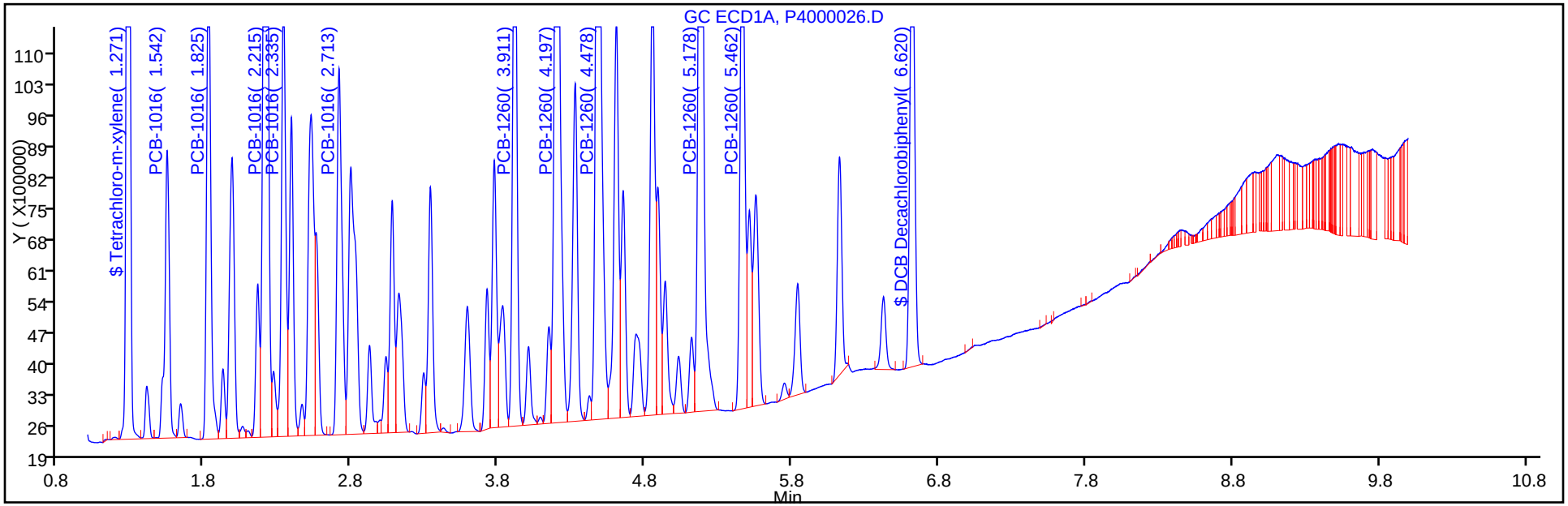
Report Date: 03-Jan-2013 07:17:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

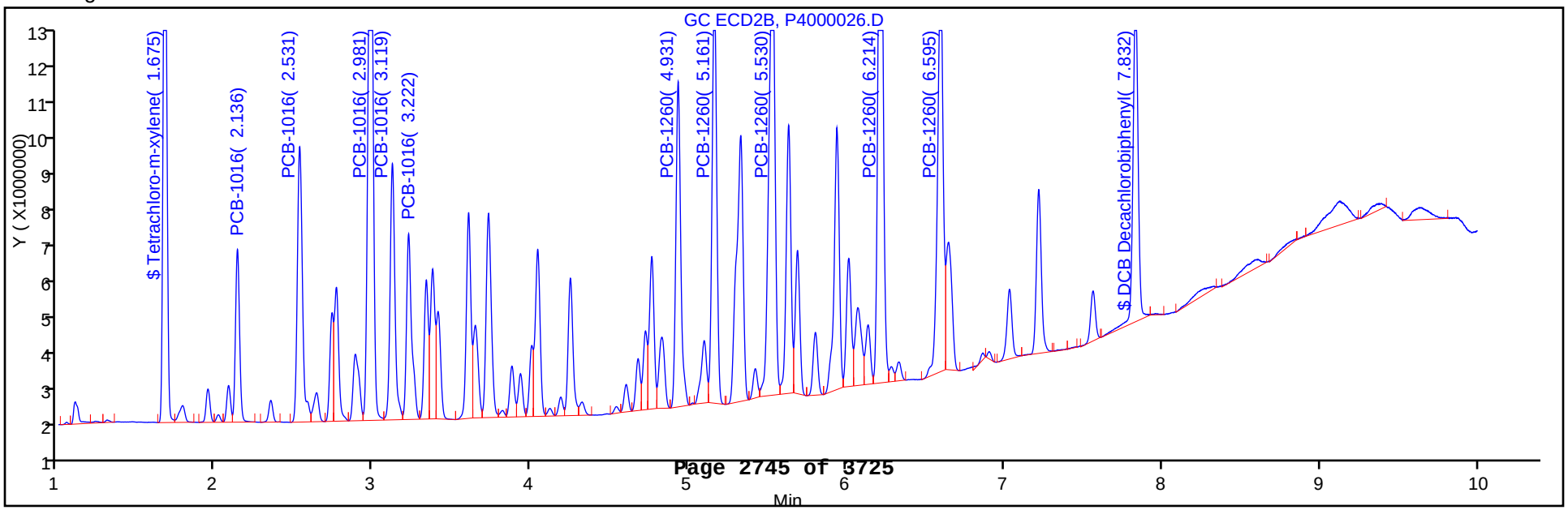
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000026.D

Injection Date:	02-Jan-2013 20:14:03	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69415/23-A

Matrix: Solid | Lab File ID: P4000018.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.00(g) | Date Analyzed: 12/21/2012 10:46

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		40-140
2051-24-3	DCB Decachlorobiphenyl	88		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000018.D		
Lims ID:	MB 240-69415/23-A	Client ID:	
Inject. Date:	21-Dec-2012 10:46:21	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0016082-018		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	18
Lims Batch ID:	69717	Lims Sample ID:	18
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 13:18:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	24698973	0.0177			
2	2	1.672	1.671	0.001	18706205	0.0207			
						RPD = 15.44			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.213						
1	4		2.334						
1	5		2.712						
2	6		2.133						
2	7		2.528						
2	8		2.978						
2	9		3.116						
2	10		3.220						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.198						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.931						
2	7		5.160						
2	8		5.528						
2	9		6.214						
2	10		6.596						
9 PCB-1262									
1	100		4.200						
1	2		4.604						
1	3		4.851						
1	4		5.180						
1	5		5.556						
2	6		5.161						
2	7		5.633						
2	8		5.939						
2	9		6.214						
2	10		6.593						
11 PCB-1268									
1	100		5.513						
1	2		5.550						
1	3		5.750						
1	4		6.126						
1	5		6.424						
2	6		6.593						
2	7		6.640						
2	8		6.905						
2	9		7.220						
2	10		7.564						
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.621	0.001	22757474	0.0175			
2	2	7.834	7.834	0.000	17271482	0.0174			
						RPD = 0.48			

QC Flag Legend

Processing Flags
1 - Missing Peaks

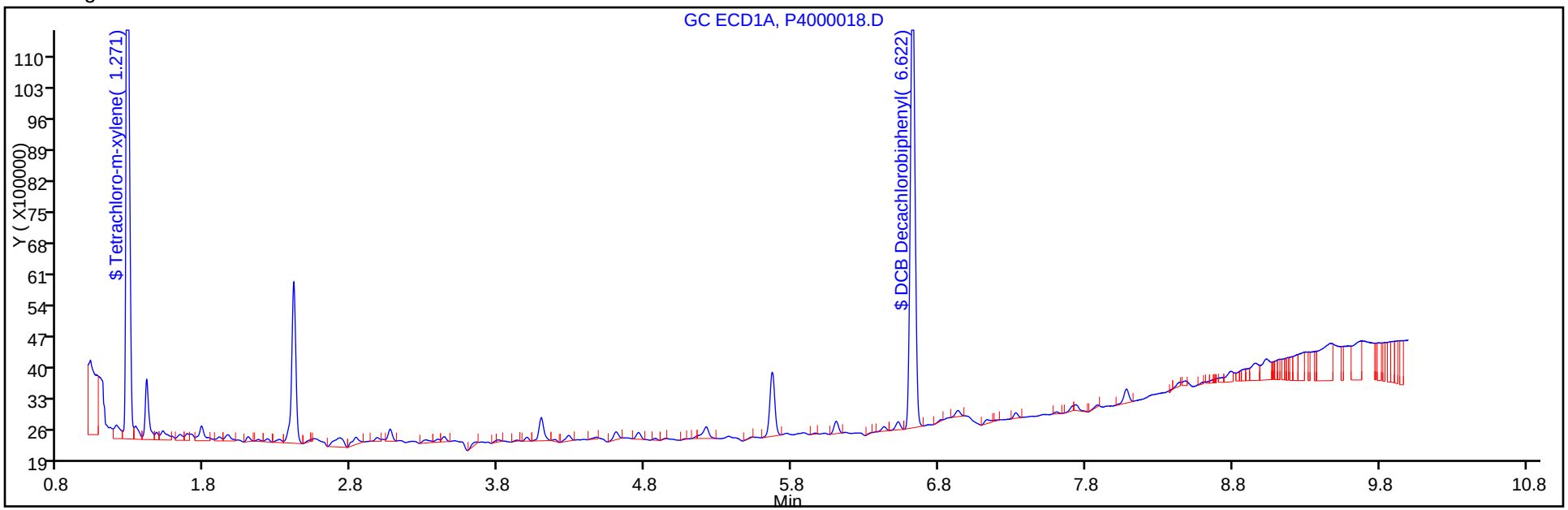
Report Date: 21-Dec-2012 13:23:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

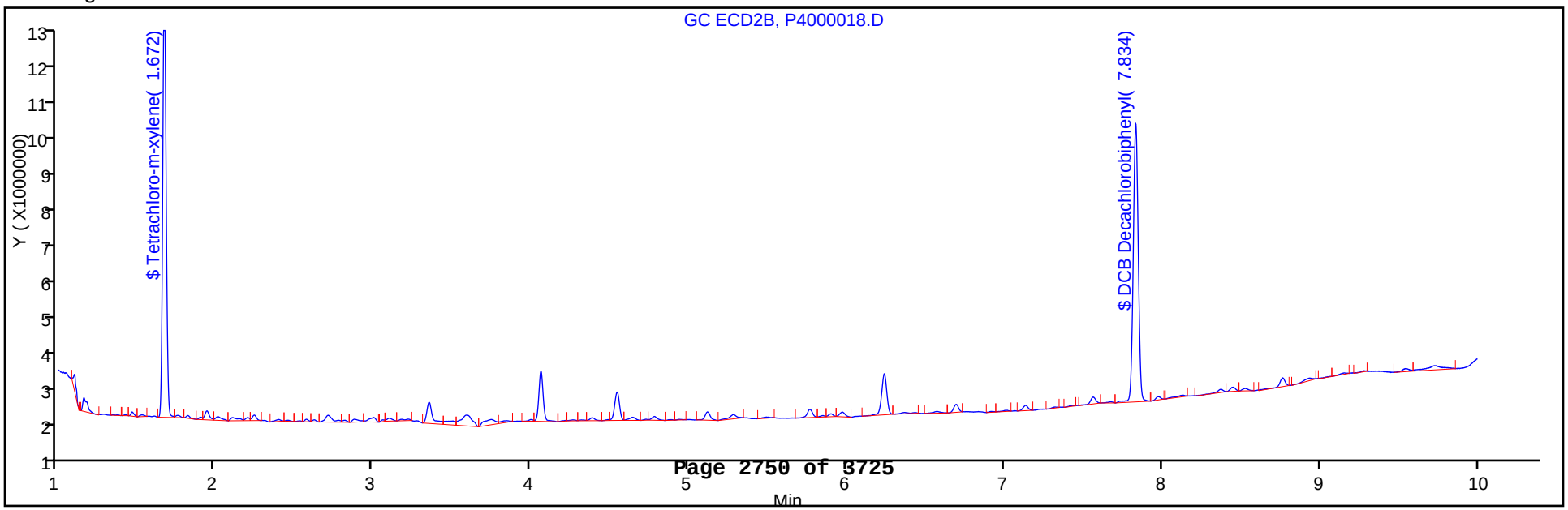
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000018.D

Injection Date:	21-Dec-2012 10:46:21	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-69415/23-A

Matrix: Solid Lab File ID: P4000018.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.00(g) Date Analyzed: 12/21/2012 10:46

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	103		40-140
2051-24-3	DCB Decachlorobiphenyl	87		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000018.D		
Lims ID:	MB 240-69415/23-A	Client ID:	
Inject. Date:	21-Dec-2012 10:46:21	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0016082-018		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	18
Lims Batch ID:	69717	Lims Sample ID:	18
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:23:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 13:18:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	24698973	0.0177			
2	2	1.672	1.671	0.001	18706205	0.0207			
						RPD = 15.44			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.213						
1	4		2.334						
1	5		2.712						
2	6		2.133						
2	7		2.528						
2	8		2.978						
2	9		3.116						
2	10		3.220						
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.911						
1	2		4.198						
1	3		4.478						
1	4		5.180						
1	5		5.463						
2	6		4.931						
2	7		5.160						
2	8		5.528						
2	9		6.214						
2	10		6.596						
9 PCB-1262									
1	100		4.200						
1	2		4.604						
1	3		4.851						
1	4		5.180						
1	5		5.556						
2	6		5.161						
2	7		5.633						
2	8		5.939						
2	9		6.214						
2	10		6.593						
11 PCB-1268									
1	100		5.513						
1	2		5.550						
1	3		5.750						
1	4		6.126						
1	5		6.424						
2	6		6.593						
2	7		6.640						
2	8		6.905						
2	9		7.220						
2	10		7.564						
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.621	0.001	22757474	0.0175			
2	2	7.834	7.834	0.000	17271482	0.0174			
						RPD = 0.48			

QC Flag Legend

Processing Flags
1 - Missing Peaks

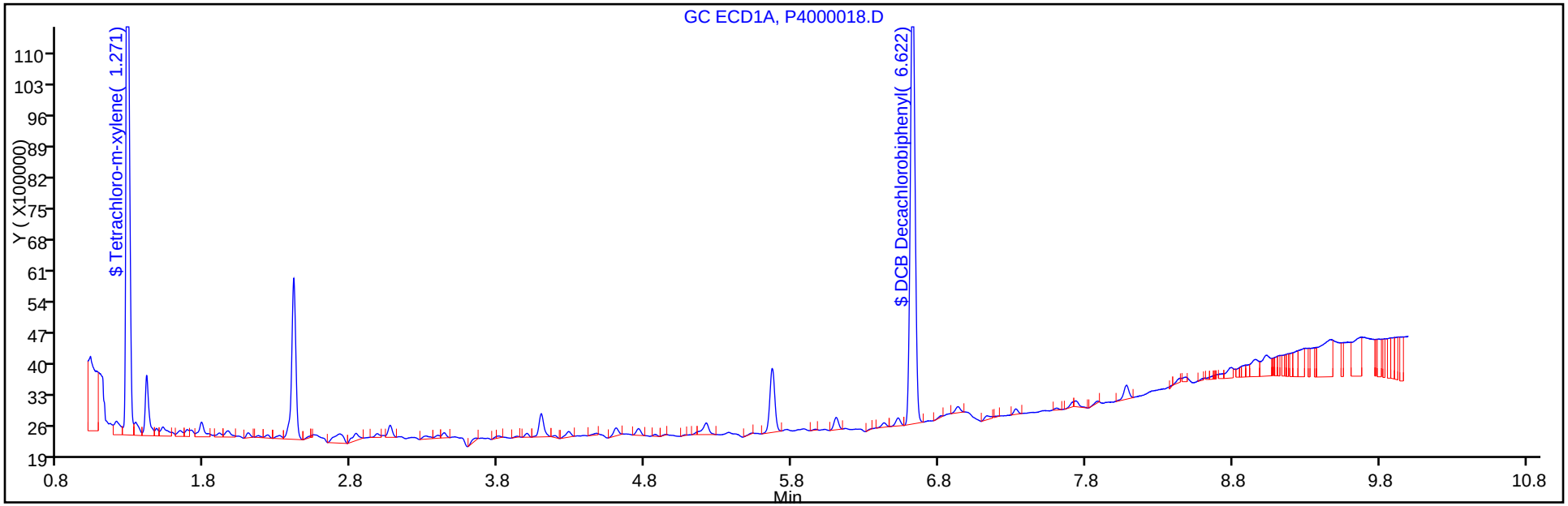
Report Date: 21-Dec-2012 13:23:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

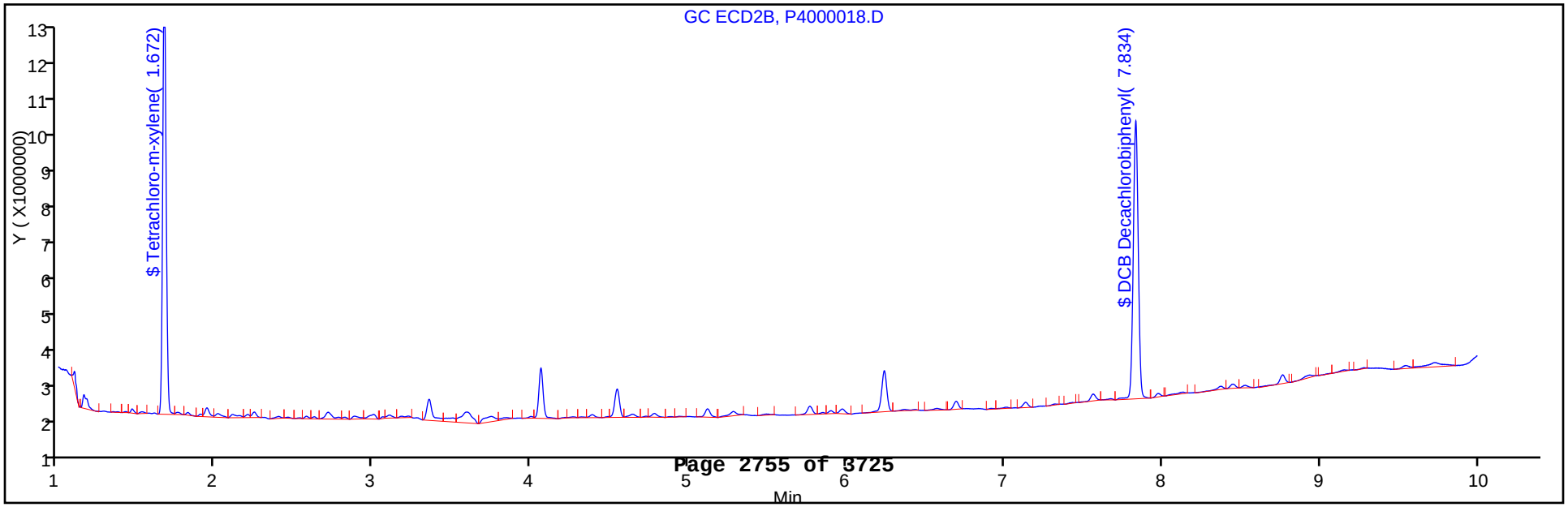
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000018.D

Injection Date:	21-Dec-2012 10:46:21	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-70113/18-A

Matrix: Solid | Lab File ID: P4000014.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/26/2012 10:28

Sample wt/vol: 30.00(g) | Date Analyzed: 12/29/2012 22:01

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		40-140
2051-24-3	DCB Decachlorobiphenyl	75		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000014.D		
Lims ID:	MB 240-70113/18-A	Client ID:	
Inject. Date:	29-Dec-2012 22:01:00	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0016267-014		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	14
Lims Batch ID:	70556	Lims Sample ID:	14
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m		
Last Update:	31-Dec-2012 09:24:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

First Level Reviewer: hassl Date: 31-Dec-2012 09:16:53

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	22739439	0.0163			
2	2	1.670	1.673	-0.003	25161916	0.0278			
						RPD = 52.16			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.212						
1	4		2.333						
1	5		2.712						
2	6		2.135						
2	7		2.529						
2	8		2.980						
2	9		3.118						
2	10		3.220						
5 PCB-1242									
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.910						
1	2		4.197						
1	3		4.476						
1	4		5.177						
1	5		5.461						
2	6		4.930						
2	7		5.160						
2	8		5.527						
2	9		6.213						
2	10		6.594						
9 PCB-1262									
1	100		4.198						
1	2		4.603						
1	3		4.849						
1	4		5.177						
1	5		5.552						
2	6		5.161						
2	7		5.632						
2	8		5.939						
2	9		6.215						
2	10		6.593						
11 PCB-1268									
1	100		5.510						
1	2		5.548						
1	3		5.748						
1	4		6.124						
1	5		6.424						
2	6		6.592						
2	7		6.639						
2	8		6.905						
2	9		7.219						
2	10		7.563						
$ 12 DCB Decachlorobiphenyl									
1	100	6.618	6.619	-0.001	19431031	0.0149			
2	2	7.833	7.832	0.001	15000725	0.0151			
						RPD = 1.23			

QC Flag Legend

Processing Flags
1 - Missing Peaks

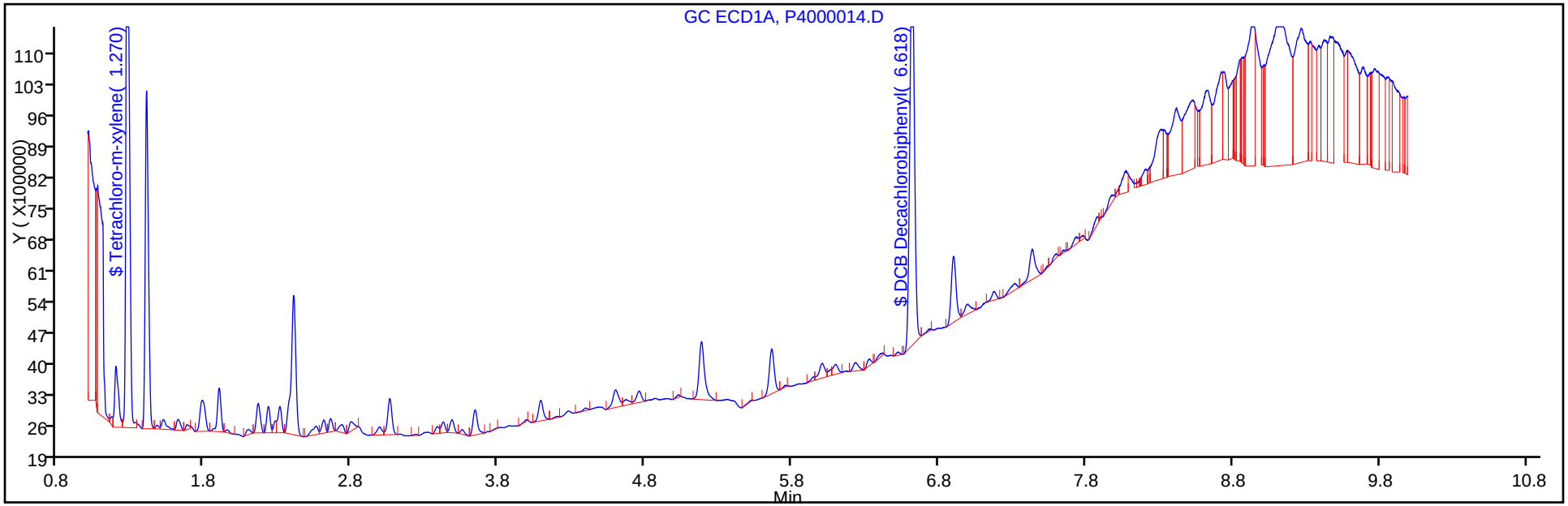
Report Date: 31-Dec-2012 09:24:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

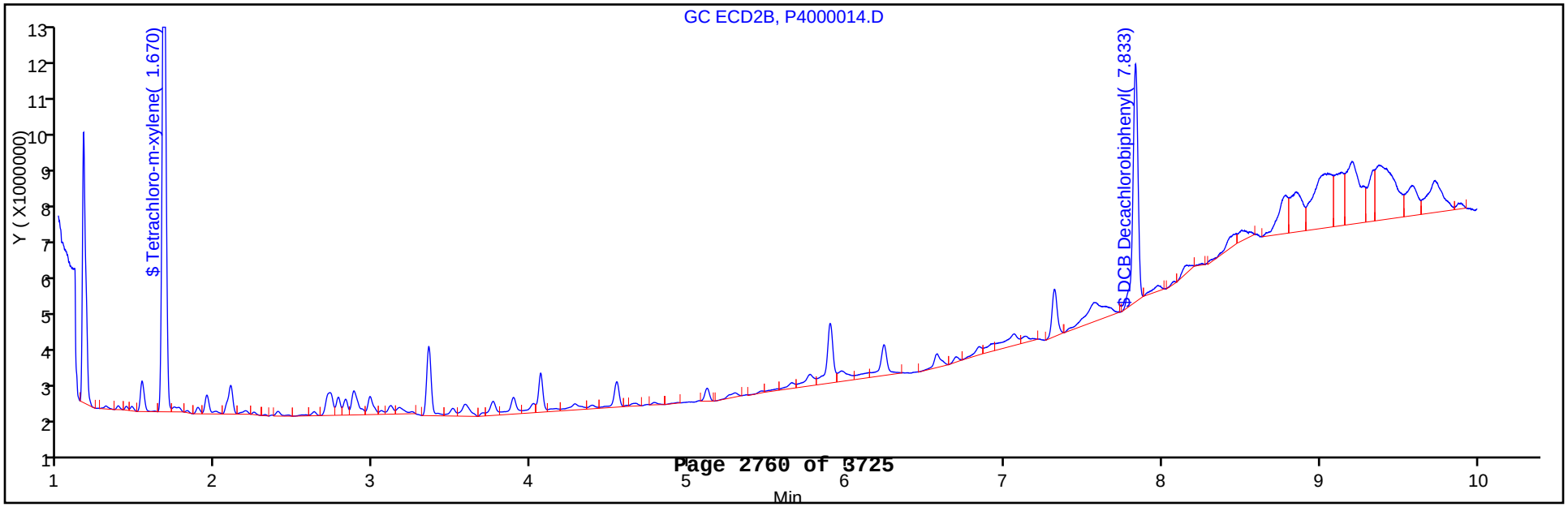
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000014.D

Injection Date:	29-Dec-2012 22:01:00	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-70113/18-A

Matrix: Solid Lab File ID: P4000014.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 12/26/2012 10:28

Sample wt/vol: 30.00(g) Date Analyzed: 12/29/2012 22:01

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	139		40-140
2051-24-3	DCB Decachlorobiphenyl	76		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000014.D		
Lims ID:	MB 240-70113/18-A	Client ID:	
Inject. Date:	29-Dec-2012 22:01:00	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0016267-014		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	14
Lims Batch ID:	70556	Lims Sample ID:	14
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m		
Last Update:	31-Dec-2012 09:24:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

First Level Reviewer: hassl Date: 31-Dec-2012 09:16:53

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	22739439	0.0163			
2	2	1.670	1.673	-0.003	25161916	0.0278			
						RPD = 52.16			
3 PCB-1221									1
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100		1.540						
1	2		1.822						
1	3		2.212						
1	4		2.333						
1	5		2.712						
2	6		2.135						
2	7		2.529						
2	8		2.980						
2	9		3.118						
2	10		3.220						
5 PCB-1242									
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.910						
1	2		4.197						
1	3		4.476						
1	4		5.177						
1	5		5.461						
2	6		4.930						
2	7		5.160						
2	8		5.527						
2	9		6.213						
2	10		6.594						
9 PCB-1262									
1	100		4.198						
1	2		4.603						
1	3		4.849						
1	4		5.177						
1	5		5.552						
2	6		5.161						
2	7		5.632						
2	8		5.939						
2	9		6.215						
2	10		6.593						
11 PCB-1268									
1	100		5.510						
1	2		5.548						
1	3		5.748						
1	4		6.124						
1	5		6.424						
2	6		6.592						
2	7		6.639						
2	8		6.905						
2	9		7.219						
2	10		7.563						
$ 12 DCB Decachlorobiphenyl									
1	100	6.618	6.619	-0.001	19431031	0.0149			
2	2	7.833	7.832	0.001	15000725	0.0151			
						RPD = 1.23			

QC Flag Legend

Processing Flags
1 - Missing Peaks

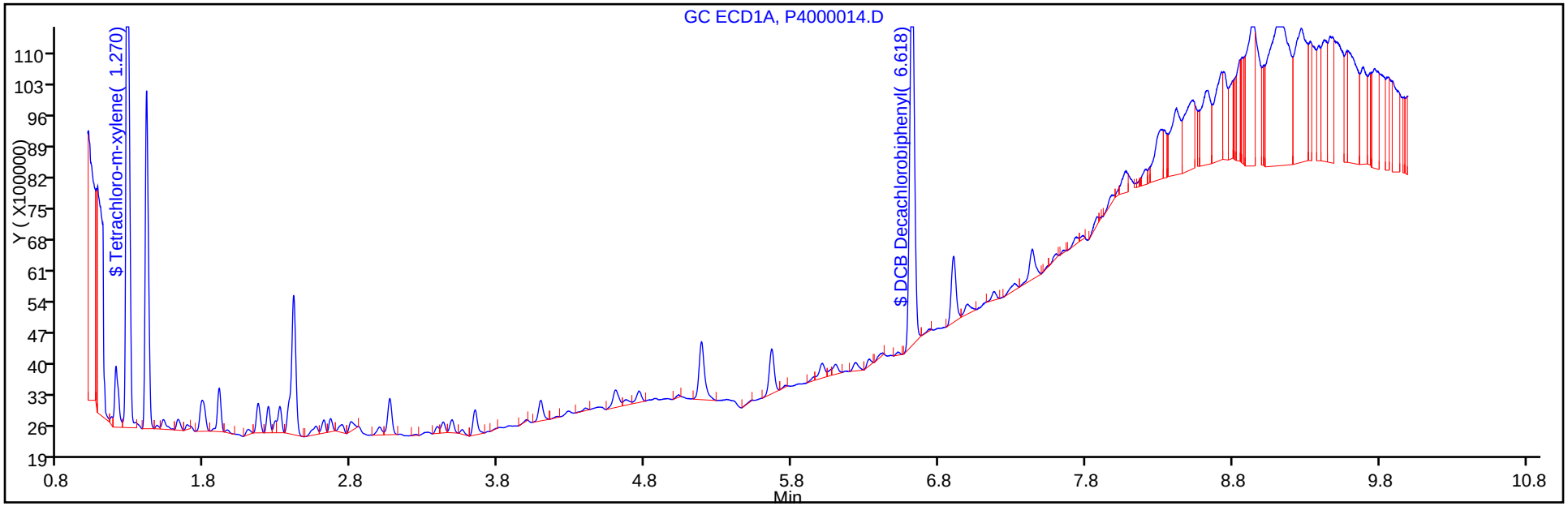
Report Date: 31-Dec-2012 09:24:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

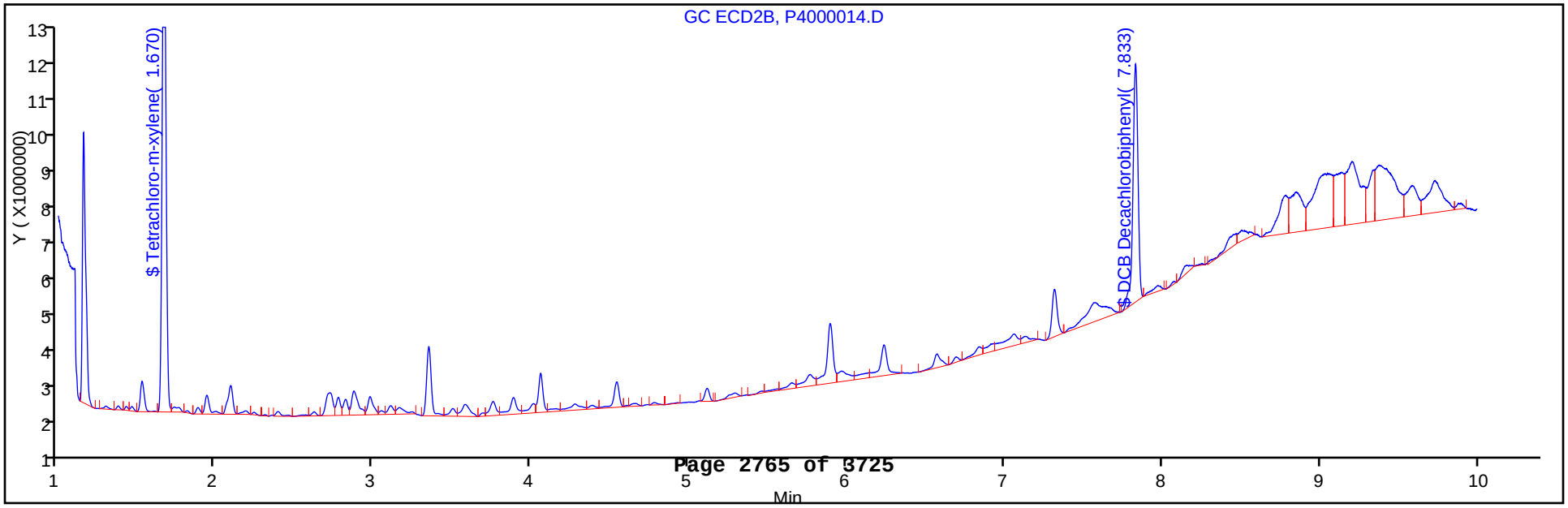
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000014.D

Injection Date:	29-Dec-2012 22:01:00	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-70774/19-A

Matrix: Solid Lab File ID: P4000014.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 12/31/2012 13:58

Sample wt/vol: 30.00(g) Date Analyzed: 01/02/2013 17:05

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70882 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		40-140
2051-24-3	DCB Decachlorobiphenyl	62		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000014.D		
Lims ID:	MB 240-70774/19-A	Client ID:	
Inject. Date:	02-Jan-2013 17:05:40	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0016346-014		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	14
Lims Batch ID:	70882	Lims Sample ID:	14
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m		
Last Update:	03-Jan-2013 07:16:40	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK037		

First Level Reviewer: hassl Date: 03-Jan-2013 07:03:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.268	0.002	20982565	0.0151			
2	2	1.673	1.672	0.001	16019343	0.0177			
						RPD = 16.24			
3 PCB-1221									1
1	2		1.400						
1	3		1.508						
1	4		1.537						
2	4		1.945						
2	5		2.076						
2	6		2.133						
4 PCB-1232									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.710						
2	6		2.133						
2	7		2.528						
2	8		2.977						
2	9		3.115						
2	10		3.725						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.708						
2	6		2.132						
2	7		2.527						
2	8		2.977						
2	9		3.116						
2	10		3.599						
6 PCB-1016									
1	100		1.538						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.710						
2	6		2.132						
2	7		2.527						
2	8		2.977						
2	9		3.116						
2	10		3.218						
7 PCB-1248									
1	86		1.819						
1	2		2.209						
1	3		2.710						
1	4		3.285						
1	5		3.719						
2	6		2.526						
2	7		2.976						
2	8		3.725						
2	9		3.999						
2	10		4.721						
8 PCB-1254									
1	100		3.072						
1	2		3.719						
1	3		4.000						
1	4		4.192						
1	5		4.475						
2	6		4.246						
2	7		4.722						
2	8		4.965						
2	9		5.327						
2	10		5.530						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.908						
1	2		4.193						
1	3		4.473						
1	4		5.173						
1	5		5.457						
2	6		4.928						
2	7		5.158						
2	8		5.525						
2	9		6.212						
2	10		6.592						
9 PCB-1262									
1	100		4.195						
1	2		4.599						
1	3		4.845						
1	4		5.174						
1	5		5.550						
2	6		5.158						
2	7		5.628						
2	8		5.936						
2	9		6.211						
2	10		6.591						
11 PCB-1268									
1	100		5.507						
1	2		5.545						
1	3		5.746						
1	4		6.121						
1	5		6.420						
2	6		6.590						
2	7		6.638						
2	8		6.903						
2	9		7.217						
2	10		7.560						
$ 12 DCB Decachlorobiphenyl									
1	100	6.618	6.616	0.002	16215486	0.0125			
2	2	7.833	7.827	0.006	15044652	0.0152			
						RPD = 19.55			

QC Flag Legend

Processing Flags
1 - Missing Peaks

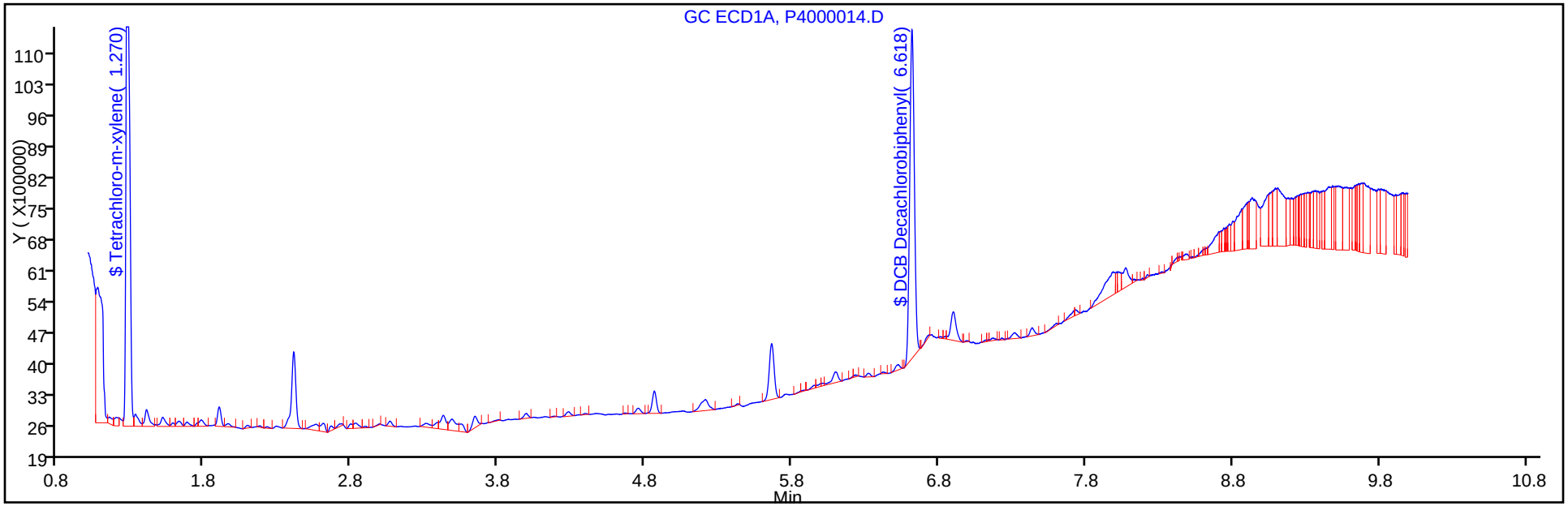
Report Date: 03-Jan-2013 07:17:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

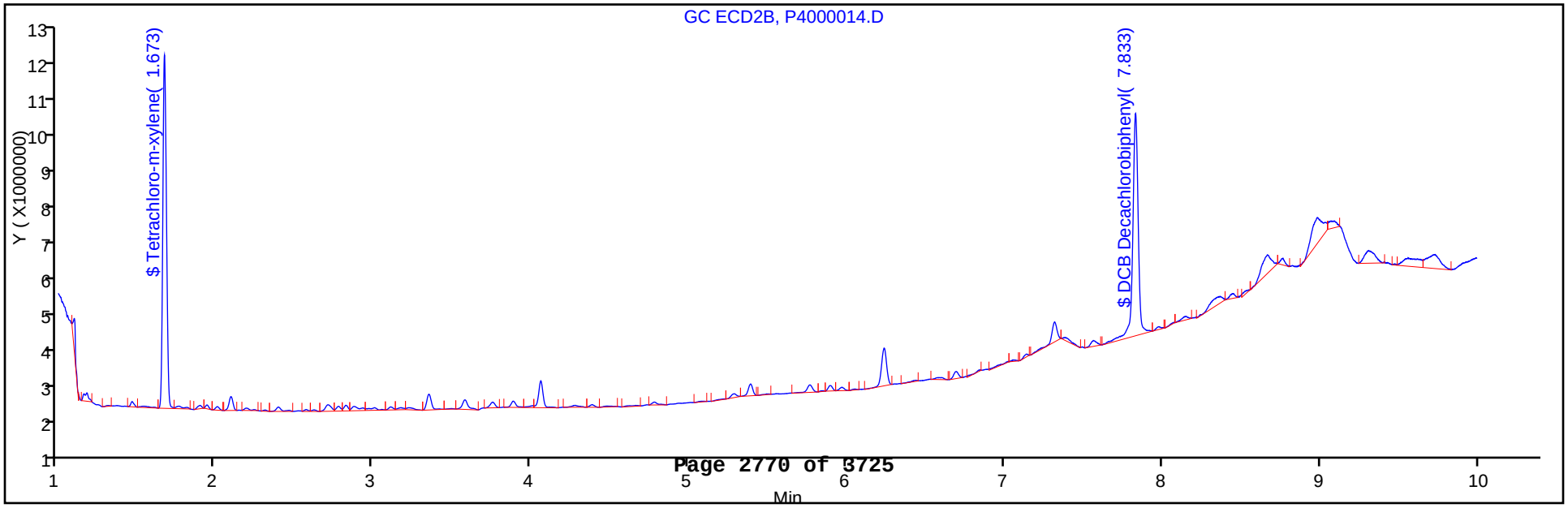
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000014.D

Injection Date:	02-Jan-2013 17:05:40	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-70774/19-A

Matrix: Solid | Lab File ID: P4000014.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/31/2012 13:58

Sample wt/vol: 30.00(g) | Date Analyzed: 01/02/2013 17:05

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		40-140
2051-24-3	DCB Decachlorobiphenyl	76		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000014.D
Lims ID: MB 240-70774/19-A Client ID:
Inject. Date: 02-Jan-2013 17:05:40 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016346-014
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 14
Lims Batch ID: 70882 Lims Sample ID: 14
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m
Last Update: 03-Jan-2013 07:16:40 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK037

First Level Reviewer: hassl Date: 03-Jan-2013 07:03:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.268	0.002	20982565	0.0151			
2	2	1.673	1.672	0.001	16019343	0.0177			
						RPD = 16.24			
3 PCB-1221									1
1	2		1.400						
1	3		1.508						
1	4		1.537						
2	4		1.945						
2	5		2.076						
2	6		2.133						
4 PCB-1232									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.710						
2	6		2.133						
2	7		2.528						
2	8		2.977						
2	9		3.115						
2	10		3.725						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.708						
2	6		2.132						
2	7		2.527						
2	8		2.977						
2	9		3.116						
2	10		3.599						
6 PCB-1016									
1	100		1.538						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.710						
2	6		2.132						
2	7		2.527						
2	8		2.977						
2	9		3.116						
2	10		3.218						
7 PCB-1248									
1	86		1.819						
1	2		2.209						
1	3		2.710						
1	4		3.285						
1	5		3.719						
2	6		2.526						
2	7		2.976						
2	8		3.725						
2	9		3.999						
2	10		4.721						
8 PCB-1254									
1	100		3.072						
1	2		3.719						
1	3		4.000						
1	4		4.192						
1	5		4.475						
2	6		4.246						
2	7		4.722						
2	8		4.965						
2	9		5.327						
2	10		5.530						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		3.908						
1	2		4.193						
1	3		4.473						
1	4		5.173						
1	5		5.457						
2	6		4.928						
2	7		5.158						
2	8		5.525						
2	9		6.212						
2	10		6.592						
9 PCB-1262									
1	100		4.195						
1	2		4.599						
1	3		4.845						
1	4		5.174						
1	5		5.550						
2	6		5.158						
2	7		5.628						
2	8		5.936						
2	9		6.211						
2	10		6.591						
11 PCB-1268									
1	100		5.507						
1	2		5.545						
1	3		5.746						
1	4		6.121						
1	5		6.420						
2	6		6.590						
2	7		6.638						
2	8		6.903						
2	9		7.217						
2	10		7.560						
$ 12 DCB Decachlorobiphenyl									
1	100	6.618	6.616	0.002	16215486	0.0125			
2	2	7.833	7.827	0.006	15044652	0.0152			
						RPD = 19.55			

QC Flag Legend

Processing Flags
1 - Missing Peaks

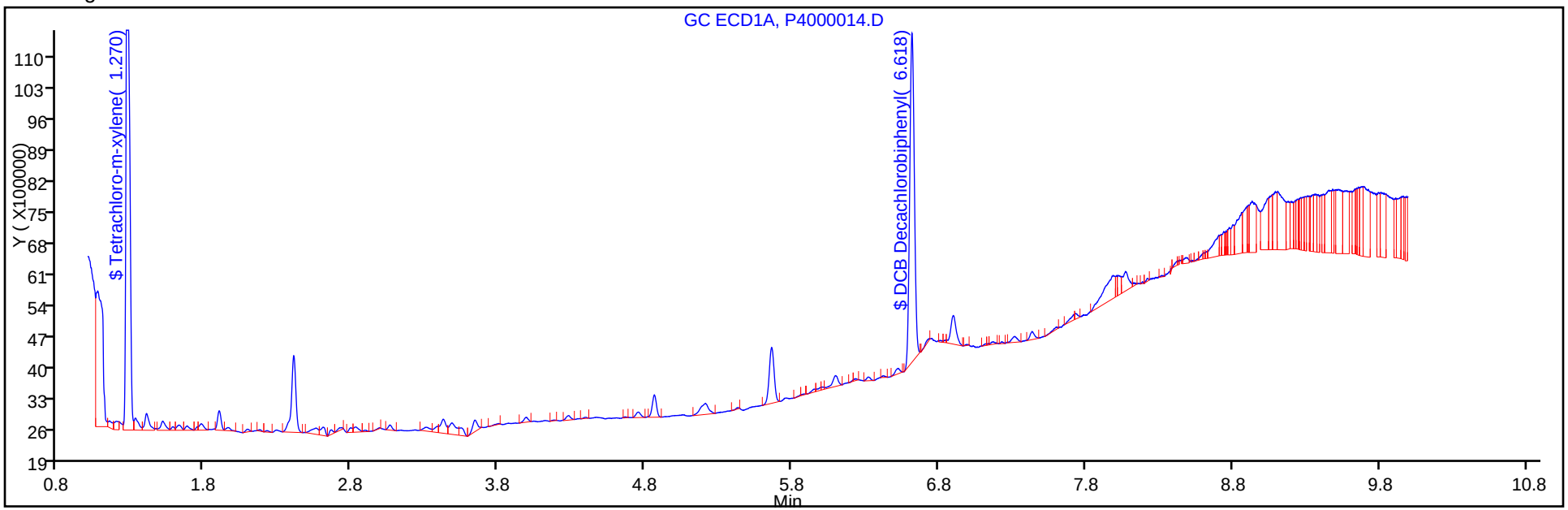
Report Date: 03-Jan-2013 07:17:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

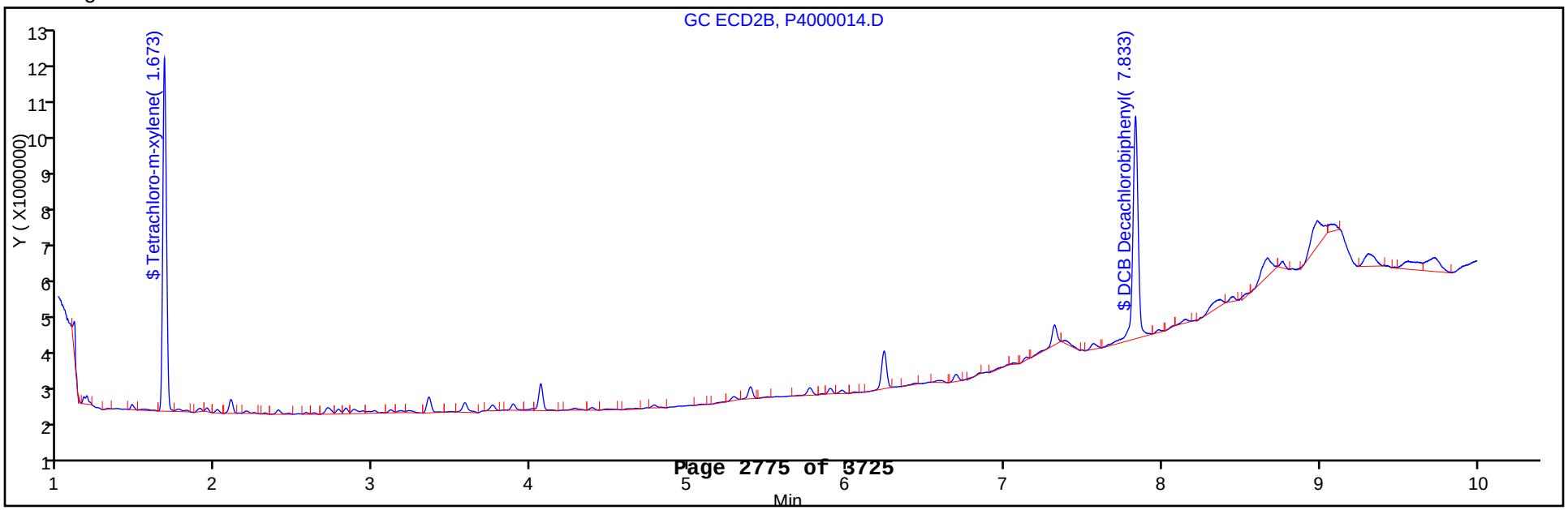
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000014.D

Injection Date:	02-Jan-2013 17:05:40	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-69415/24-A

Matrix: Solid Lab File ID: P4000024.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.00(g) Date Analyzed: 12/21/2012 12:20

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84		40-140
2051-24-3	DCB Decachlorobiphenyl	120	M	60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000024.D		
Lims ID:	LCS 240-69415/24-A	Client ID:	
Inject. Date:	21-Dec-2012 12:20:52	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0016082-024		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	24
Lims Batch ID:	69717	Lims Sample ID:	24
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:48:44	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 13:48:44

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	23420601	0.0168			
2	2	1.673	1.673	0.000	15318530	0.0169			
						RPD = 0.81			
6 PCB-1016									
1	100	1.541	1.541	0.000	18812992	0.7616		100.0	
1	2	1.824	1.822	0.002	34451369	0.7803	152.4- 202.4	183.1	
1	3	2.216	2.214	0.002	74142857	0.8128	334.6- 384.6	394.1	
1	4	2.336	2.334	0.002	30179081	0.7463	125.4- 195.4	160.4	
1	5	2.714	2.712	0.002	29662175	0.7323	136.2- 186.2	157.7	
			Average of Peak Amounts =			0.7667			
2	6	2.135	2.134	0.001	12059758	0.7629		100.0	
2	7	2.531	2.530	0.001	29008419	0.9227	169.0- 229.0	240.5	
2	8	2.981	2.980	0.001	55744617	0.8820	361.2- 421.2	462.2	
2	9	3.120	3.118	0.002	31359051	1.14	144.4- 204.4	260.0	
2	10	3.222	3.221	0.001	20052876	0.9180	108.9- 168.9	166.3	
			Average of Peak Amounts =			0.9243			
						RPD = 18.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.912	3.911	0.001	44353177	0.7474		100.0	
1	2	4.198	4.199	-0.001	72661685	0.6766	156.3- 206.3	163.8	
1	3	4.479	4.478	0.001	75088041	0.6809	159.6- 209.6	169.3	
1	4	5.181	5.180	0.001	101552317	0.8151	183.4- 233.4	229.0	M
1	5	5.465	5.463	0.002	49356894	0.7421	87.0- 137.0	111.3	M
			Average of Peak Amounts =			0.7324			
2	6	4.932	4.932	0.000	35085134	0.7706		100.0	
2	7	5.161	5.161	0.000	40774206	0.7471	86.9- 146.9	116.2	
2	8	5.530	5.530	0.000	66489841	0.8245	145.2- 205.2	189.5	
2	9	6.216	6.216	0.000	82702634	0.8544	177.4- 237.4	235.7	
2	10	6.598	6.597	0.001	58255050	0.8113	125.7- 185.7	166.0	
			Average of Peak Amounts =			0.8016			
						RPD = 9.02			
$ 12 DCB Decachlorobiphenyl									M
1	100	6.622	6.622	0.000	31230878	0.0240			M
2	2	7.834	7.834	0.000	18347385	0.0185			
						RPD = 25.94			

QC Flag Legend

Review Flags
M - Manually Integrated

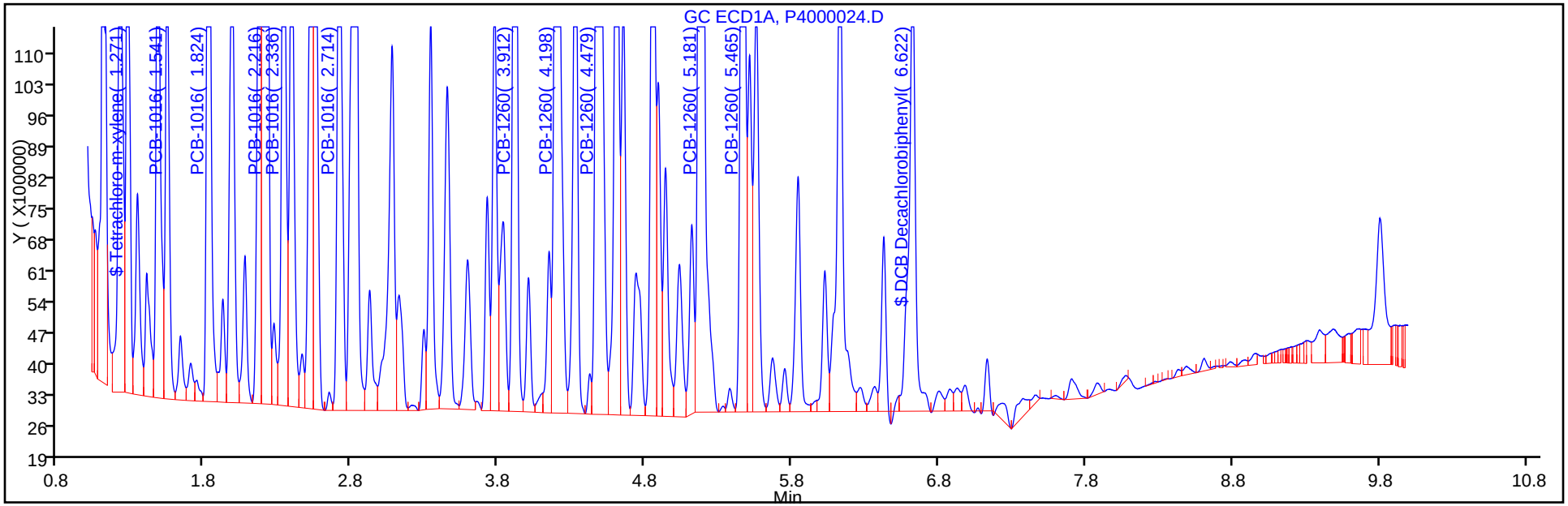
Report Date: 21-Dec-2012 13:48:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

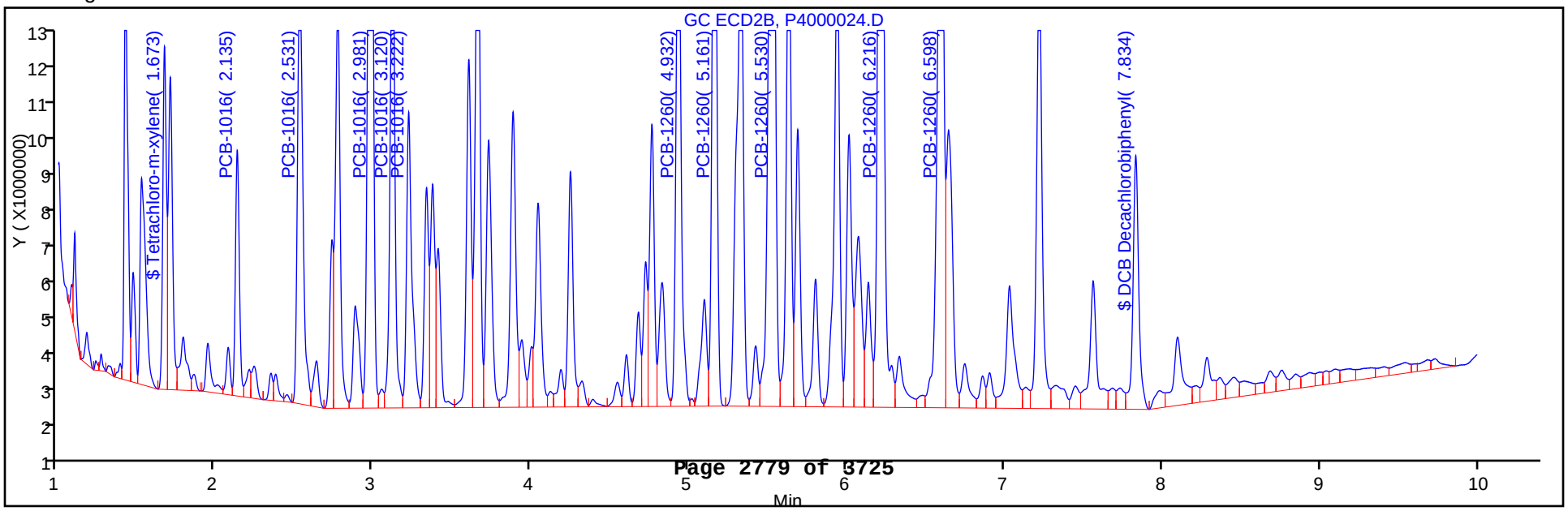
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000024.D

Injection Date:	21-Dec-2012 12:20:52	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



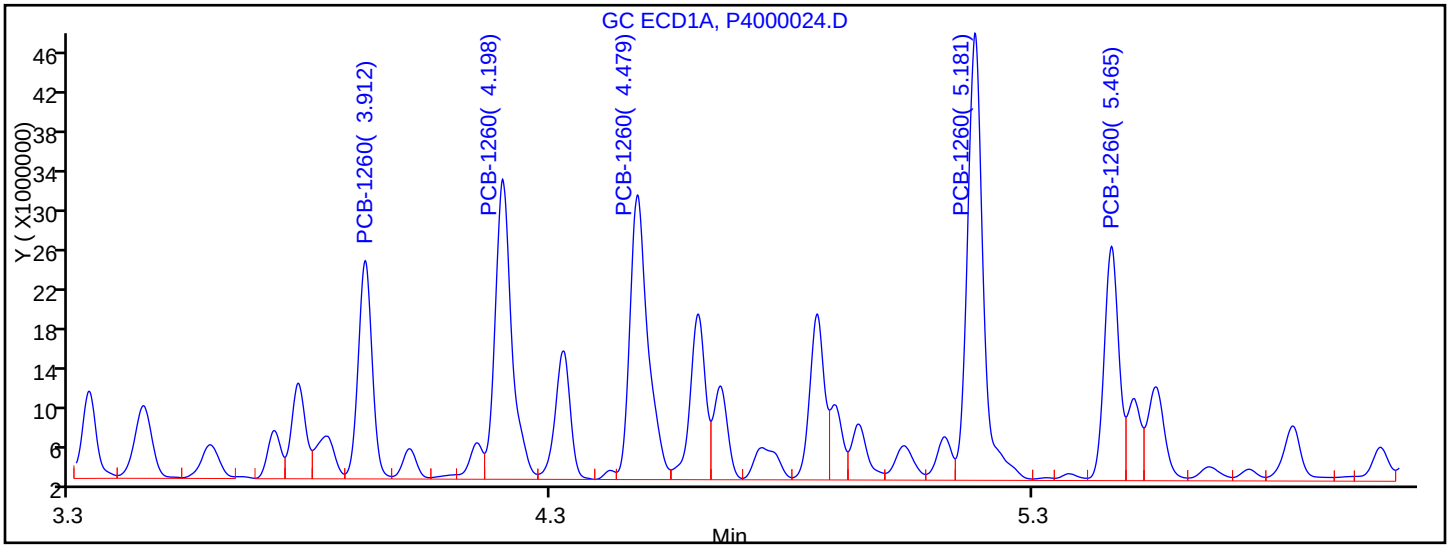
Report Date: 21-Dec-2012 13:48:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000024.D

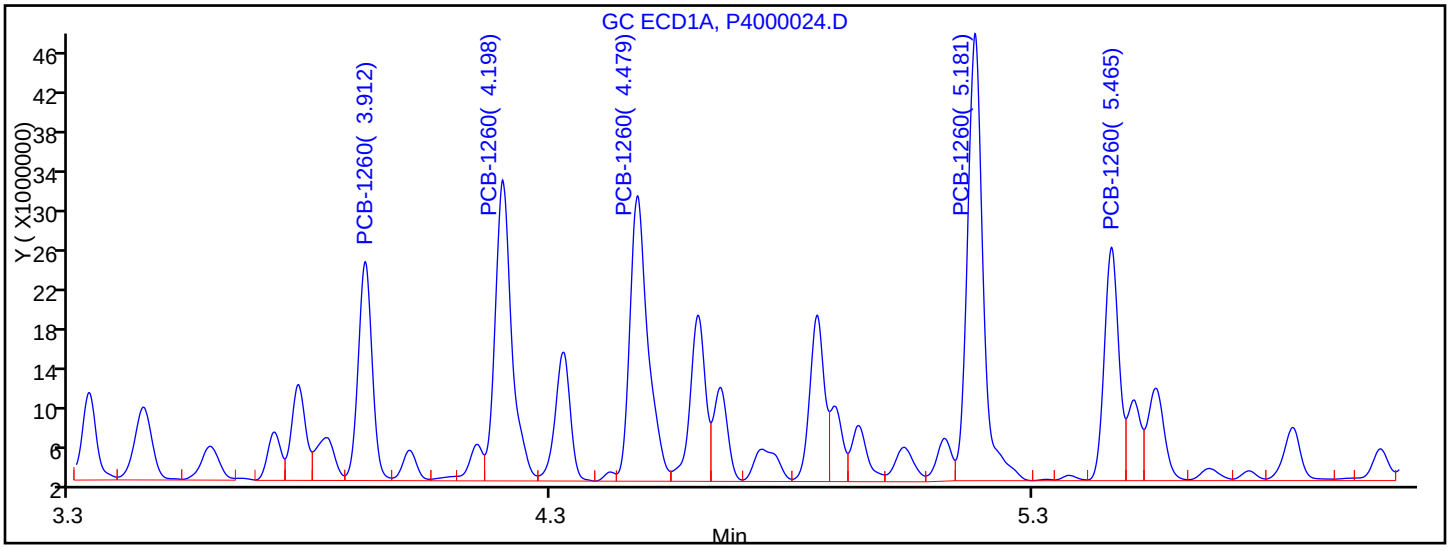
Injection Date:	21-Dec-2012 12:20:52	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

10 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 3.912	Response = 44353177	
RT = 4.198	Response = 72661685	
RT = 4.479	Response = 75088041	
RT = 5.181	Response = 102783266	M
RT = 5.465	Response = 50112493	M



Manual Integration Results

RT = 3.912	Response = 44353177	
RT = 4.198	Response = 72661685	
RT = 4.479	Response = 75088041	
RT = 5.181	Response = 101552317	M
RT = 5.465	Response = 49356894	M

Reviewer: hassl, 21-Dec-2012 13:48:44

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

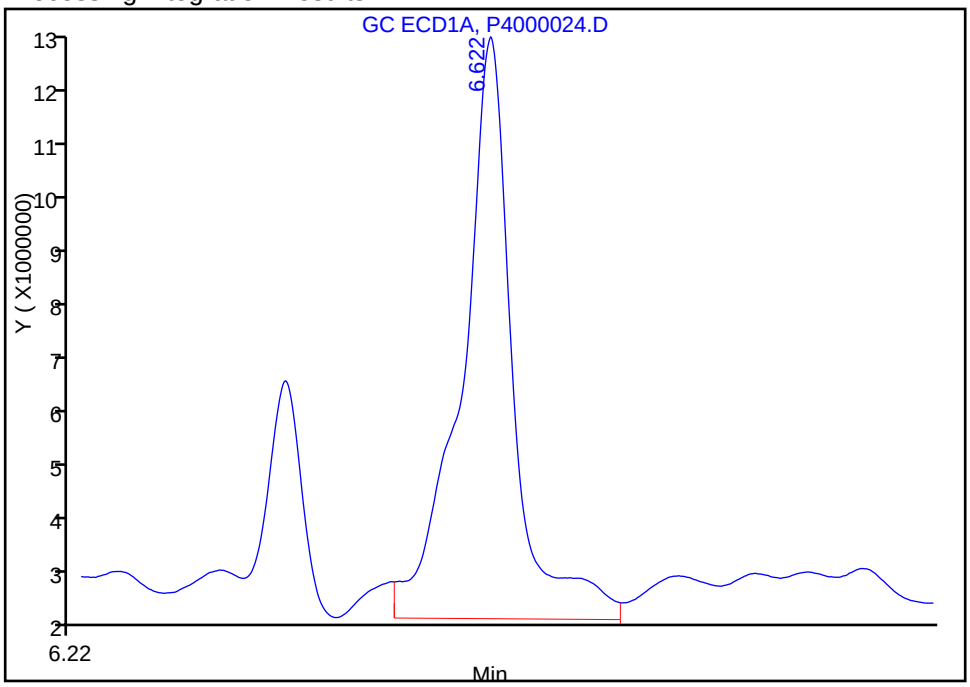
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000024.D		
Injection Date:	21-Dec-2012 12:20:52	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

$ 12 DCB Decachlorobiphenyl, Signal: 1, Type: quant, RT: 6.62, Det: GC ECD1A

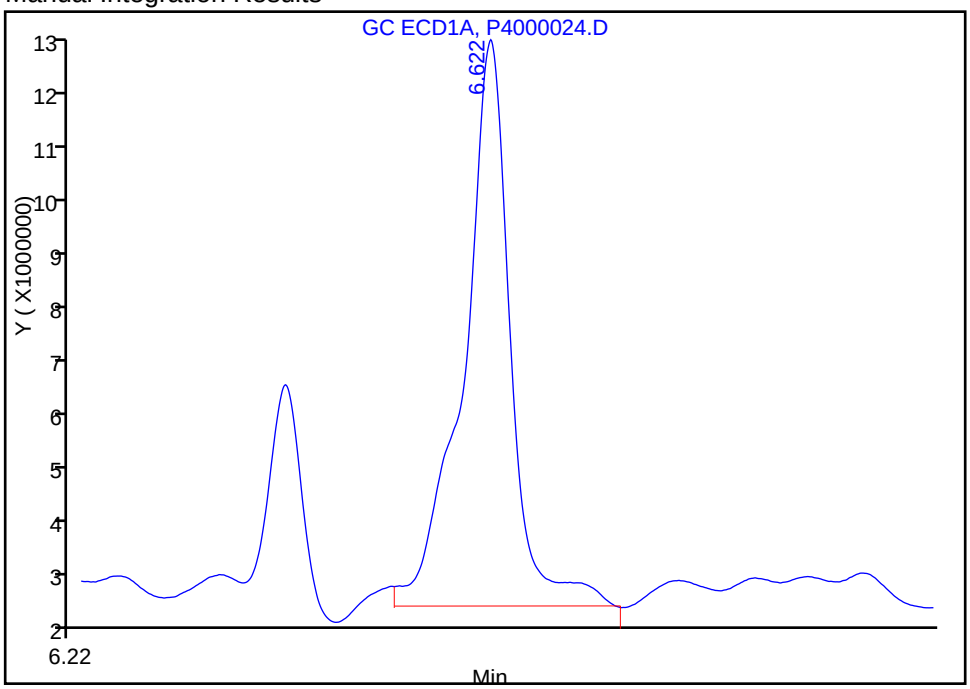
Processing Integration Results

RT: 6.62
Response: 35277934
Amount: 0.027141



Manual Integration Results

RT: 6.62
Response: 31230878
Amount: 0.024028



Reviewer: hassl, 21-Dec-2012 13:48:44
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69415/24-A

Matrix: Solid | Lab File ID: P4000024.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/19/2012 12:21

Sample wt/vol: 30.00(g) | Date Analyzed: 12/21/2012 12:20

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	Aroclor-1016	308		65	25	21
11096-82-5	Aroclor-1260	267		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85		40-140
2051-24-3	DCB Decachlorobiphenyl	93		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000024.D
Lims ID: LCS 240-69415/24-A Client ID:
Inject. Date: 21-Dec-2012 12:20:52 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016082-024
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 24
Lims Batch ID: 69717 Lims Sample ID: 24
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m
Last Update: 21-Dec-2012 13:48:44 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

First Level Reviewer: hassl Date: 21-Dec-2012 13:48:44

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	23420601	0.0168			
2	2	1.673	1.673	0.000	15318530	0.0169			
						RPD = 0.81			
6 PCB-1016									
1	100	1.541	1.541	0.000	18812992	0.7616		100.0	
1	2	1.824	1.822	0.002	34451369	0.7803	152.4- 202.4	183.1	
1	3	2.216	2.214	0.002	74142857	0.8128	334.6- 384.6	394.1	
1	4	2.336	2.334	0.002	30179081	0.7463	125.4- 195.4	160.4	
1	5	2.714	2.712	0.002	29662175	0.7323	136.2- 186.2	157.7	
			Average of Peak Amounts =			0.7667			
2	6	2.135	2.134	0.001	12059758	0.7629		100.0	
2	7	2.531	2.530	0.001	29008419	0.9227	169.0- 229.0	240.5	
2	8	2.981	2.980	0.001	55744617	0.8820	361.2- 421.2	462.2	
2	9	3.120	3.118	0.002	31359051	1.14	144.4- 204.4	260.0	
2	10	3.222	3.221	0.001	20052876	0.9180	108.9- 168.9	166.3	
			Average of Peak Amounts =			0.9243			
						RPD = 18.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.912	3.911	0.001	44353177	0.7474		100.0	
1	2	4.198	4.199	-0.001	72661685	0.6766	156.3- 206.3	163.8	
1	3	4.479	4.478	0.001	75088041	0.6809	159.6- 209.6	169.3	
1	4	5.181	5.180	0.001	101552317	0.8151	183.4- 233.4	229.0	M
1	5	5.465	5.463	0.002	49356894	0.7421	87.0- 137.0	111.3	M
			Average of Peak Amounts =			0.7324			
2	6	4.932	4.932	0.000	35085134	0.7706		100.0	
2	7	5.161	5.161	0.000	40774206	0.7471	86.9- 146.9	116.2	
2	8	5.530	5.530	0.000	66489841	0.8245	145.2- 205.2	189.5	
2	9	6.216	6.216	0.000	82702634	0.8544	177.4- 237.4	235.7	
2	10	6.598	6.597	0.001	58255050	0.8113	125.7- 185.7	166.0	
			Average of Peak Amounts =			0.8016			
						RPD = 9.02			
$ 12 DCB Decachlorobiphenyl									M
1	100	6.622	6.622	0.000	31230878	0.0240			M
2	2	7.834	7.834	0.000	18347385	0.0185			
						RPD = 25.94			

QC Flag Legend

Review Flags
M - Manually Integrated

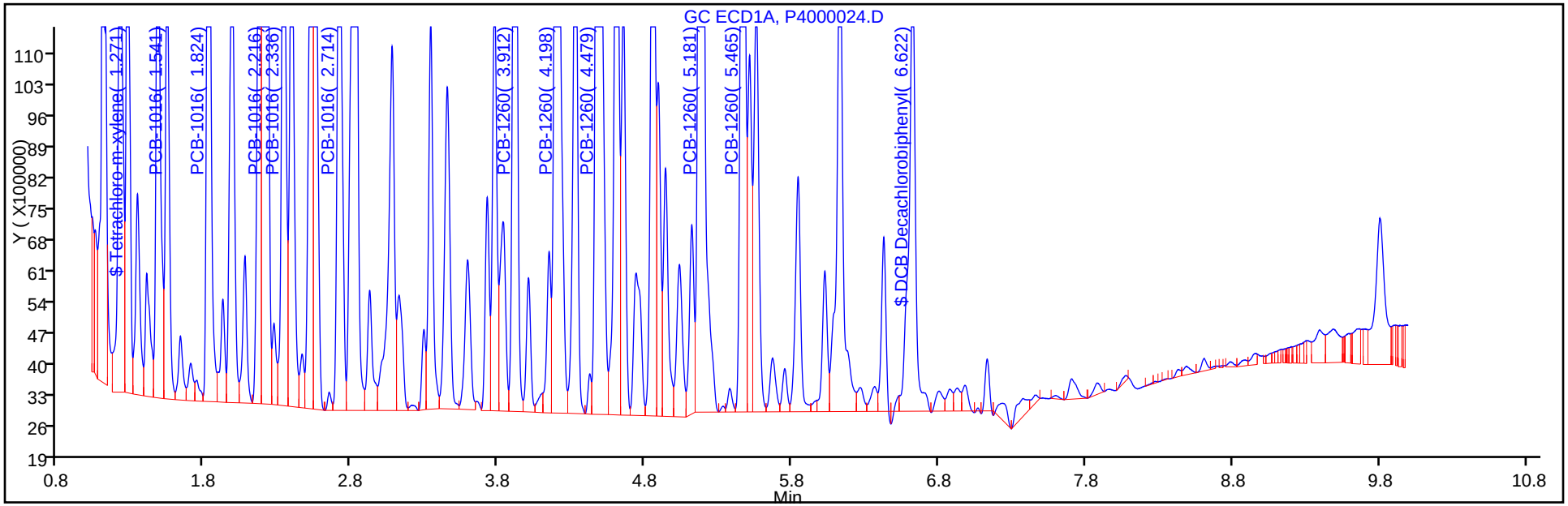
Report Date: 21-Dec-2012 13:48:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

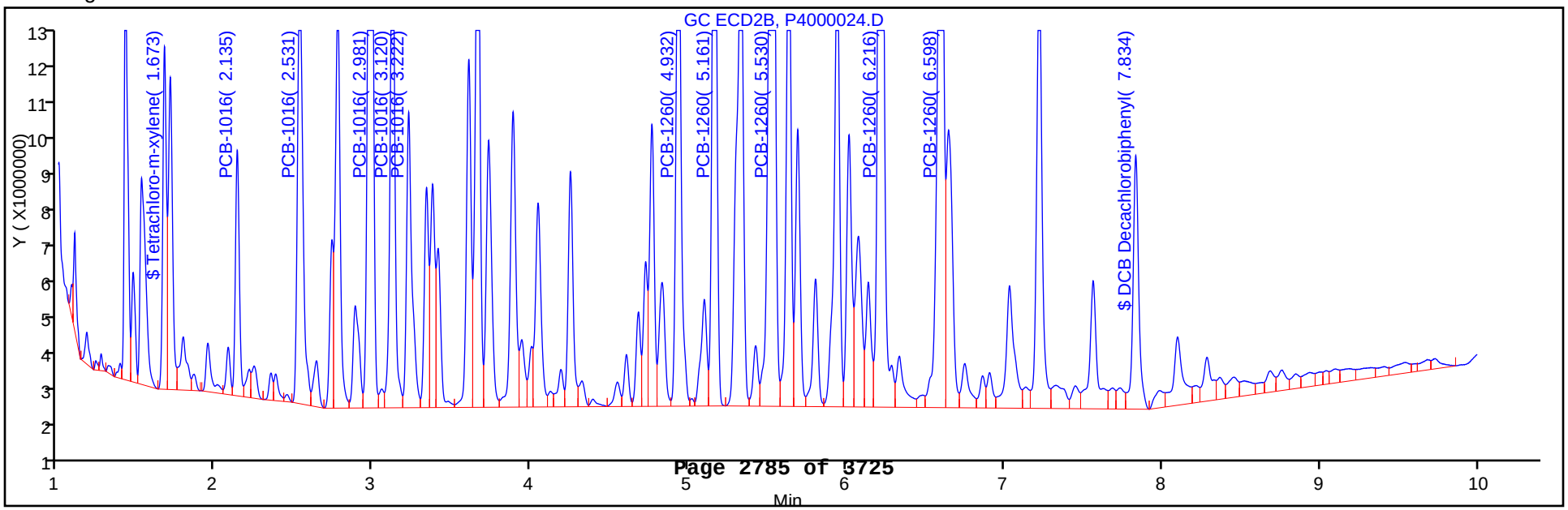
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000024.D

Injection Date:	21-Dec-2012 12:20:52	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-70113/19-A

Matrix: Solid | Lab File ID: P4000025.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/26/2012 10:28

Sample wt/vol: 30.00(g) | Date Analyzed: 12/30/2012 00:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	Aroclor-1016	214		65	25	21
11096-82-5	Aroclor-1260	215		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	66		40-140
2051-24-3	DCB Decachlorobiphenyl	62		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000025.D
Lims ID: LCS 240-70113/19-A Client ID:
Inject. Date: 30-Dec-2012 00:53:58 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016267-025
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 25
Lims Batch ID: 70556 Lims Sample ID: 25
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m
Last Update: 31-Dec-2012 09:24:29 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

First Level Reviewer: hassl Date: 31-Dec-2012 09:20:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.269	0.001	18388163	0.0132			
2	2	1.673	1.673	0.000	12884711	0.0143			
						RPD = 7.70			
6 PCB-1016									
1	100	1.540	1.539	0.001	13997726	0.5667		100.0	
1	2	1.821	1.821	0.000	28290624	0.6408	152.4- 202.4	202.1	
1	3	2.212	2.212	0.000	62535137	0.6855	334.6- 384.6	446.8	
1	4	2.333	2.333	0.000	27007550	0.6679	125.4- 195.4	192.9	
1	5	2.711	2.711	0.000	26168347	0.6461	136.2- 186.2	186.9	
			Average of Peak Amounts =			0.6414			
2	6	2.134	2.133	0.001	9981044	0.6314		100.0	
2	7	2.530	2.529	0.001	21833086	0.6944	169.0- 229.0	218.7	
2	8	2.980	2.979	0.001	47621741	0.7535	361.2- 421.2	477.1	
2	9	3.119	3.118	0.001	18898981	0.6846	144.4- 204.4	189.3	
2	10	3.221	3.221	0.000	15299975	0.7004	108.9- 168.9	153.3	
			Average of Peak Amounts =			0.6929			
						RPD = 7.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.910	3.909	0.001	39403178	0.6640		100.0	
1	2	4.196	4.197	-0.001	71541148	0.6661	156.3- 206.3	181.6	
1	3	4.476	4.477	-0.001	72848082	0.6606	159.6- 209.6	184.9	
1	4	5.177	5.177	0.000	79882946	0.6411	183.4- 233.4	202.7	
1	5	5.461	5.460	0.001	39154163	0.5887	87.0- 137.0	99.4	
			Average of Peak Amounts =			0.6441			
2	6	4.930	4.931	-0.001	30928895	0.6793		100.0	M
2	7	5.160	5.160	0.000	36816192	0.6745	86.9- 146.9	119.0	M
2	8	5.528	5.528	0.000	55698699	0.6907	145.2- 205.2	180.1	M
2	9	6.215	6.213	0.002	66604794	0.6881	177.4- 237.4	215.3	M
2	10	6.596	6.595	0.001	45199655	0.6295	125.7- 185.7	146.1	M
			Average of Peak Amounts =			0.6724			
						RPD = 4.30			
$ 12 DCB Decachlorobiphenyl									
1	100	6.619	6.618	0.001	16018327	0.0123			
2	2	7.833	7.833	0.000	12988588	0.0131			
						RPD = 6.14			

QC Flag Legend

Review Flags
M - Manually Integrated

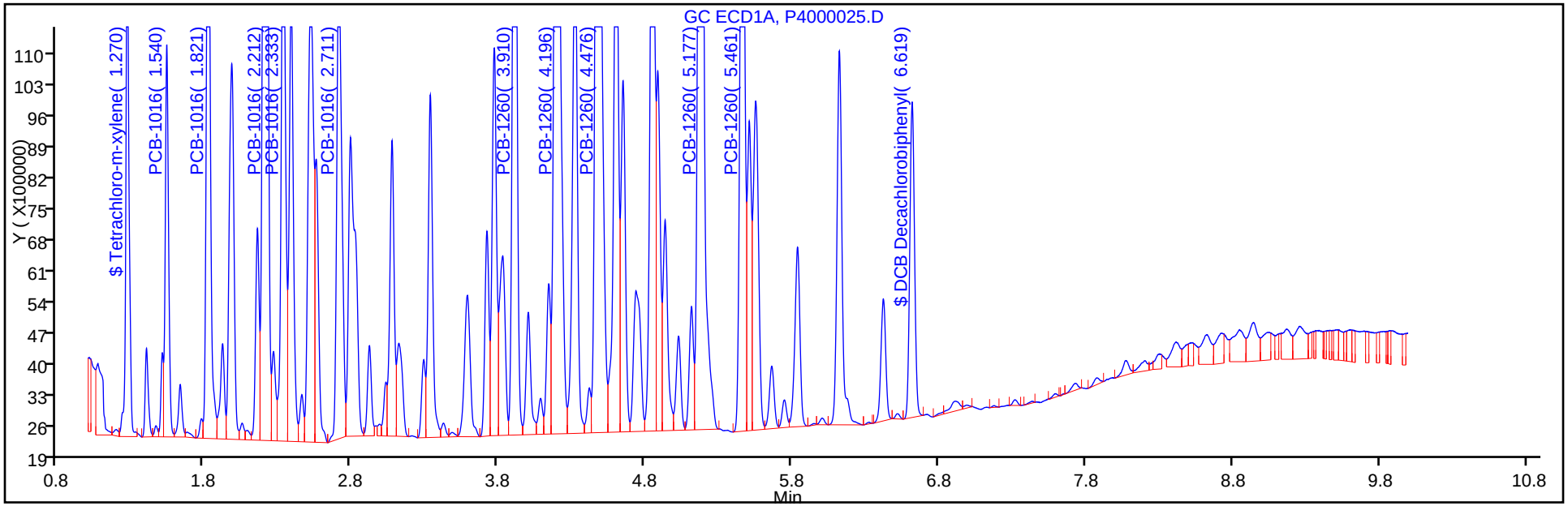
Report Date: 31-Dec-2012 09:24:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

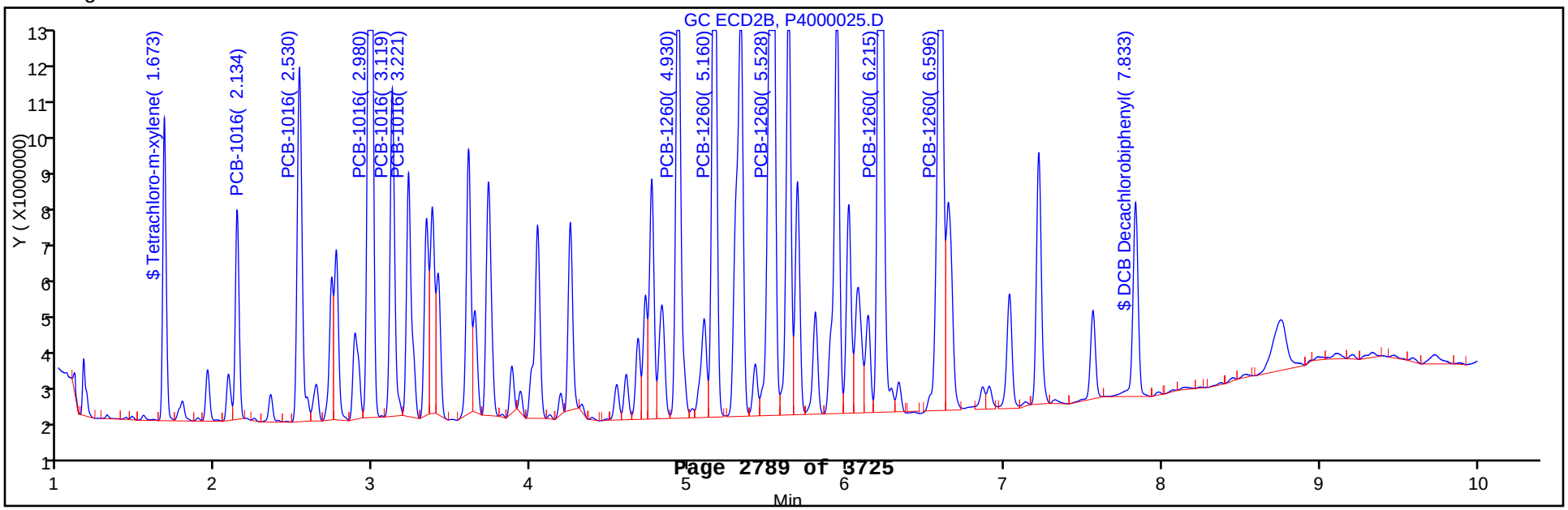
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000025.D

Injection Date:	30-Dec-2012 00:53:58	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-70113/19-A

Matrix: Solid Lab File ID: P4000025.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 12/26/2012 10:28

Sample wt/vol: 30.00(g) Date Analyzed: 12/30/2012 00:53

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71		40-140
2051-24-3	DCB Decachlorobiphenyl	66		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000025.D
Lims ID: LCS 240-70113/19-A Client ID:
Inject. Date: 30-Dec-2012 00:53:58 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016267-025
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 25
Lims Batch ID: 70556 Lims Sample ID: 25
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m
Last Update: 31-Dec-2012 09:24:29 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

First Level Reviewer: hassl Date: 31-Dec-2012 09:20:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.269	0.001	18388163	0.0132			
2	2	1.673	1.673	0.000	12884711	0.0143			
						RPD = 7.70			
6 PCB-1016									
1	100	1.540	1.539	0.001	13997726	0.5667		100.0	
1	2	1.821	1.821	0.000	28290624	0.6408	152.4- 202.4	202.1	
1	3	2.212	2.212	0.000	62535137	0.6855	334.6- 384.6	446.8	
1	4	2.333	2.333	0.000	27007550	0.6679	125.4- 195.4	192.9	
1	5	2.711	2.711	0.000	26168347	0.6461	136.2- 186.2	186.9	
			Average of Peak Amounts =			0.6414			
2	6	2.134	2.133	0.001	9981044	0.6314		100.0	
2	7	2.530	2.529	0.001	21833086	0.6944	169.0- 229.0	218.7	
2	8	2.980	2.979	0.001	47621741	0.7535	361.2- 421.2	477.1	
2	9	3.119	3.118	0.001	18898981	0.6846	144.4- 204.4	189.3	
2	10	3.221	3.221	0.000	15299975	0.7004	108.9- 168.9	153.3	
			Average of Peak Amounts =			0.6929			
						RPD = 7.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.910	3.909	0.001	39403178	0.6640		100.0	
1	2	4.196	4.197	-0.001	71541148	0.6661	156.3- 206.3	181.6	
1	3	4.476	4.477	-0.001	72848082	0.6606	159.6- 209.6	184.9	
1	4	5.177	5.177	0.000	79882946	0.6411	183.4- 233.4	202.7	
1	5	5.461	5.460	0.001	39154163	0.5887	87.0- 137.0	99.4	
			Average of Peak Amounts =			0.6441			
2	6	4.930	4.931	-0.001	30928895	0.6793		100.0	M
2	7	5.160	5.160	0.000	36816192	0.6745	86.9- 146.9	119.0	M
2	8	5.528	5.528	0.000	55698699	0.6907	145.2- 205.2	180.1	M
2	9	6.215	6.213	0.002	66604794	0.6881	177.4- 237.4	215.3	M
2	10	6.596	6.595	0.001	45199655	0.6295	125.7- 185.7	146.1	M
			Average of Peak Amounts =			0.6724			
						RPD = 4.30			
$ 12 DCB Decachlorobiphenyl									
1	100	6.619	6.618	0.001	16018327	0.0123			
2	2	7.833	7.833	0.000	12988588	0.0131			
						RPD = 6.14			

QC Flag Legend

Review Flags
M - Manually Integrated

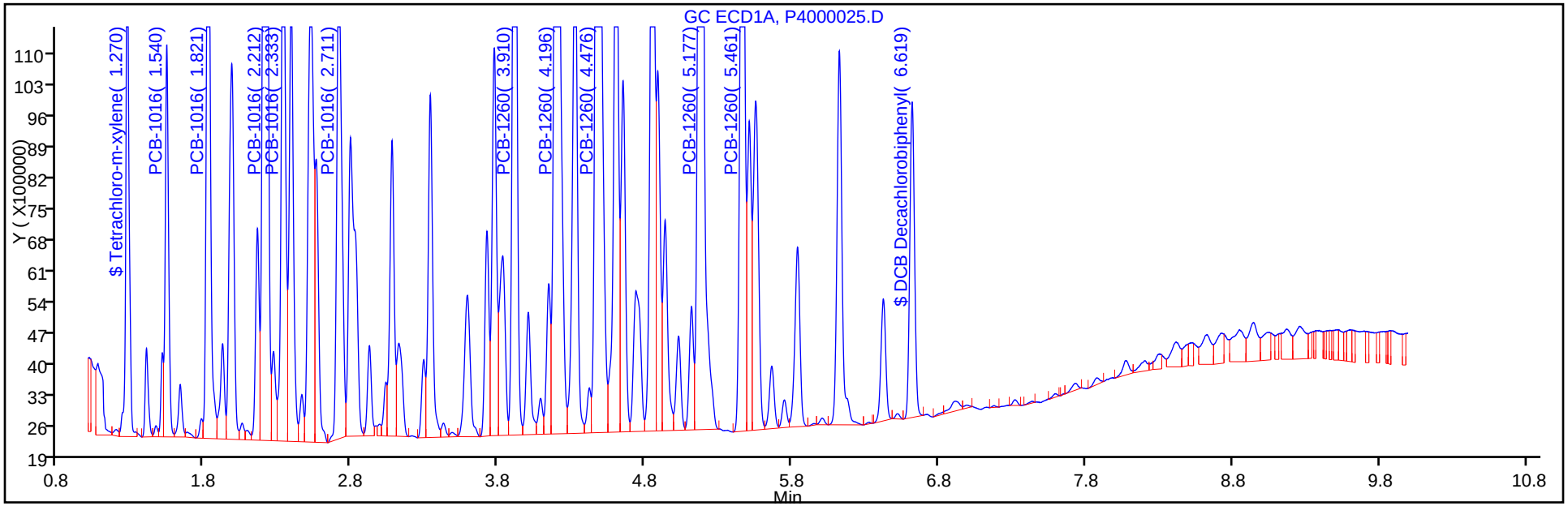
Report Date: 31-Dec-2012 09:24:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

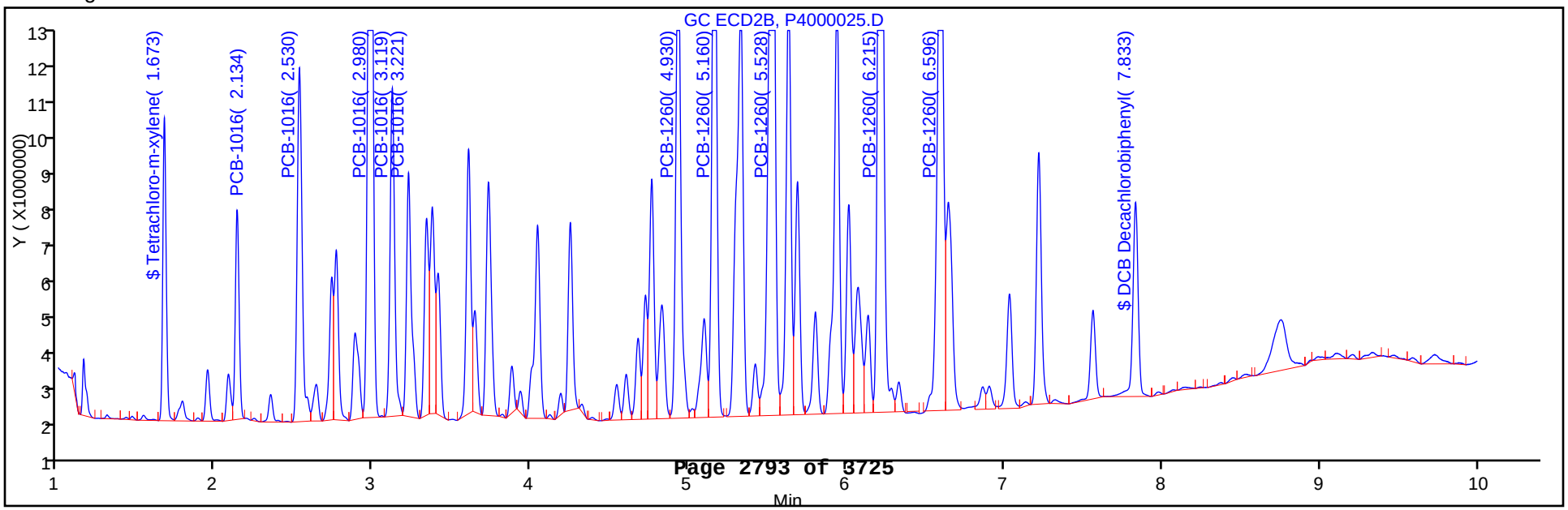
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000025.D

Injection Date:	30-Dec-2012 00:53:58	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



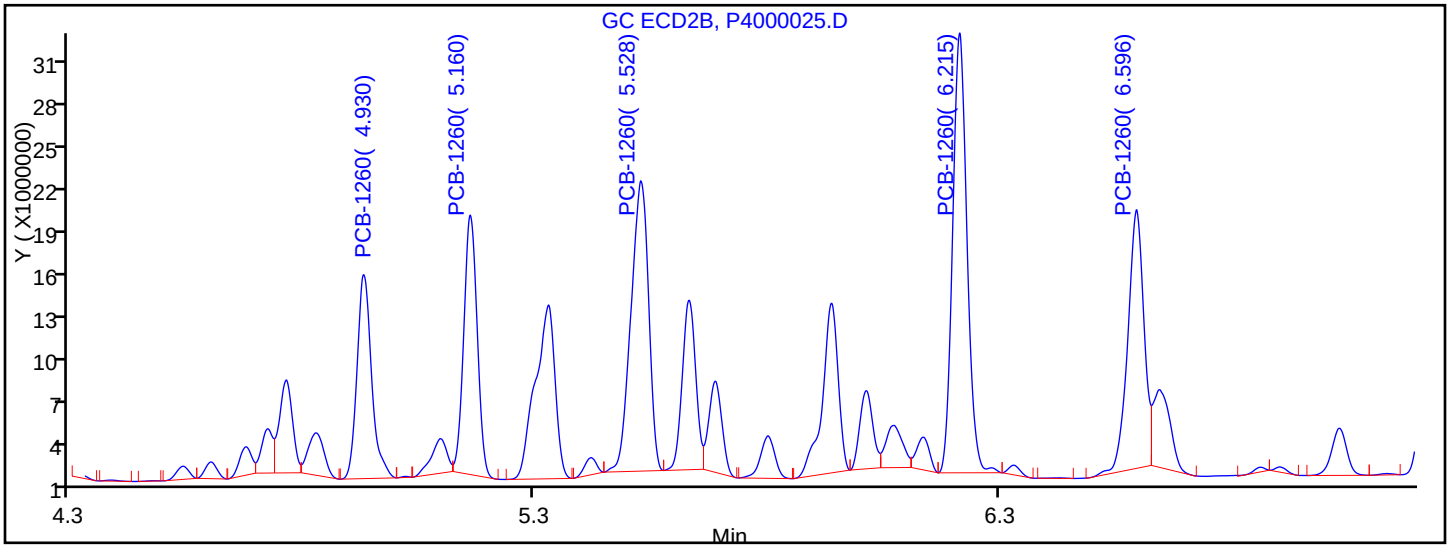
Report Date: 31-Dec-2012 09:24:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000025.D

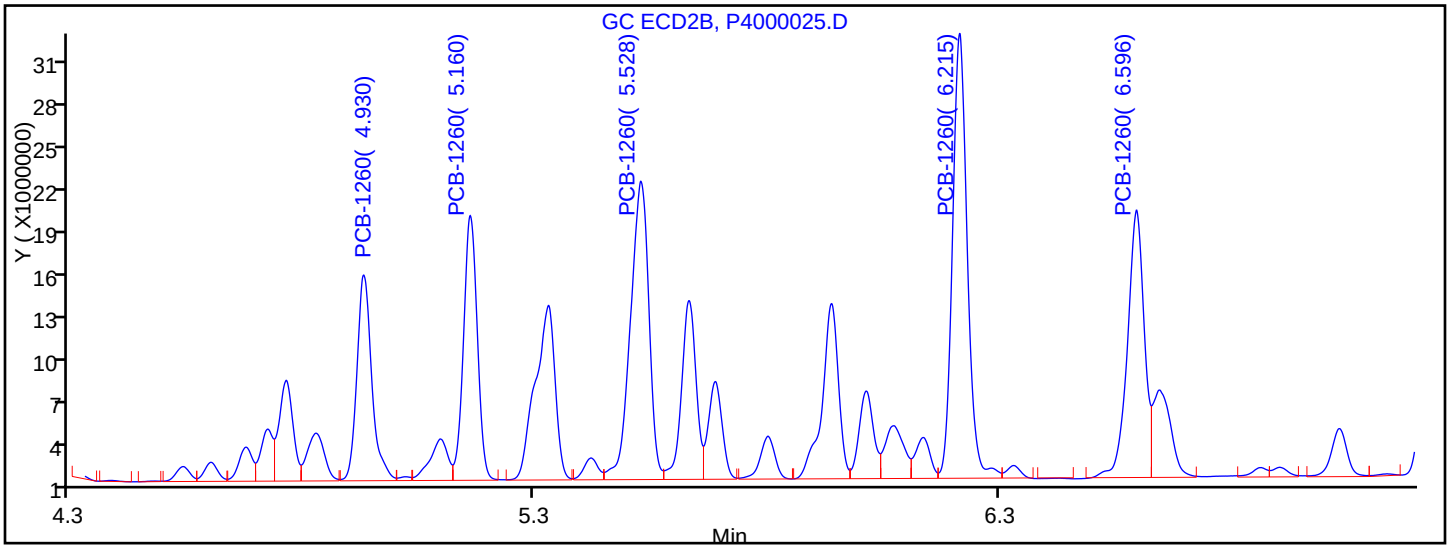
Injection Date:	30-Dec-2012 00:53:58	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

10 PCB-1260, Detector: 2, GC ecd2b



Processing Integration Results

RT = 4.930	Response = 30010769	M
RT = 5.160	Response = 35055353	M
RT = 5.528	Response = 51577370	M
RT = 6.215	Response = 63786528	M
RT = 6.596	Response = 42178007	M



Manual Integration Results

RT = 4.930	Response = 30928895	M
RT = 5.160	Response = 36816192	M
RT = 5.528	Response = 55698699	M
RT = 6.215	Response = 66604794	M
RT = 6.596	Response = 45199655	M

Reviewer: hassl, 31-Dec-2012 09:20:24

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-70774/18-A

Matrix: Solid | Lab File ID: P4000025.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/31/2012 13:58

Sample wt/vol: 30.00(g) | Date Analyzed: 01/02/2013 19:58

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70882 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		40-140
2051-24-3	DCB Decachlorobiphenyl	60		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000025.D
Lims ID: LCS 240-70774/18-A Client ID:
Inject. Date: 02-Jan-2013 19:58:21 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016346-025
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 25
Lims Batch ID: 70882 Lims Sample ID: 25
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m
Last Update: 03-Jan-2013 07:17:02 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK037

First Level Reviewer: hassl Date: 03-Jan-2013 07:10:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	21212802	0.0152			
2	2	1.675	1.673	0.002	15556143	0.0172			
						RPD = 12.24			
6 PCB-1016									
1	100	1.541	1.540	0.001	19244302	0.7790		100.0	
1	2	1.824	1.822	0.002	33293379	0.7541	152.4- 202.4	173.0	
1	3	2.215	2.213	0.002	74928579	0.8214	334.6- 384.6	389.4	
1	4	2.335	2.333	0.002	31518465	0.7795	125.4- 195.4	163.8	
1	5	2.713	2.711	0.002	30570977	0.7548	136.2- 186.2	158.9	
			Average of Peak Amounts =			0.7777			
2	6	2.136	2.134	0.002	12477042	0.7893		100.0	
2	7	2.530	2.529	0.001	24662908	0.7844	169.0- 229.0	197.7	
2	8	2.981	2.979	0.002	55032820	0.8708	361.2- 421.2	441.1	
2	9	3.120	3.119	0.001	21531344	0.7799	144.4- 204.4	172.6	
2	10	3.222	3.221	0.001	17105990	0.7831	108.9- 168.9	137.1	
			Average of Peak Amounts =			0.8015			
						RPD = 3.01			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.910	3.909	0.001	41079137	0.6922		100.0	
1	2	4.198	4.196	0.002	73040984	0.6801	156.3- 206.3	177.8	
1	3	4.477	4.476	0.001	72425365	0.6568	159.6- 209.6	176.3	
1	4	5.178	5.177	0.001	82523608	0.6623	183.4- 233.4	200.9	
1	5	5.462	5.460	0.002	42385908	0.6373	87.0- 137.0	103.2	
			Average of Peak Amounts =			0.6657			
2	6	4.932	4.930	0.002	31084105	0.6827		100.0	
2	7	5.162	5.160	0.002	35560760	0.6515	86.9- 146.9	114.4	
2	8	5.530	5.529	0.001	54303865	0.6734	145.2- 205.2	174.7	M
2	9	6.215	6.214	0.001	68433435	0.7070	177.4- 237.4	220.2	M
2	10	6.596	6.595	0.001	48777680	0.6793	125.7- 185.7	156.9	M
			Average of Peak Amounts =			0.6788			
						RPD = 1.94			
$ 12 DCB Decachlorobiphenyl									
1	100	6.619	6.618	0.001	15549831	0.0120			
2	2	7.834	7.833	0.001	15815233	0.0160			
						RPD = 28.60			

QC Flag Legend

Review Flags
M - Manually Integrated

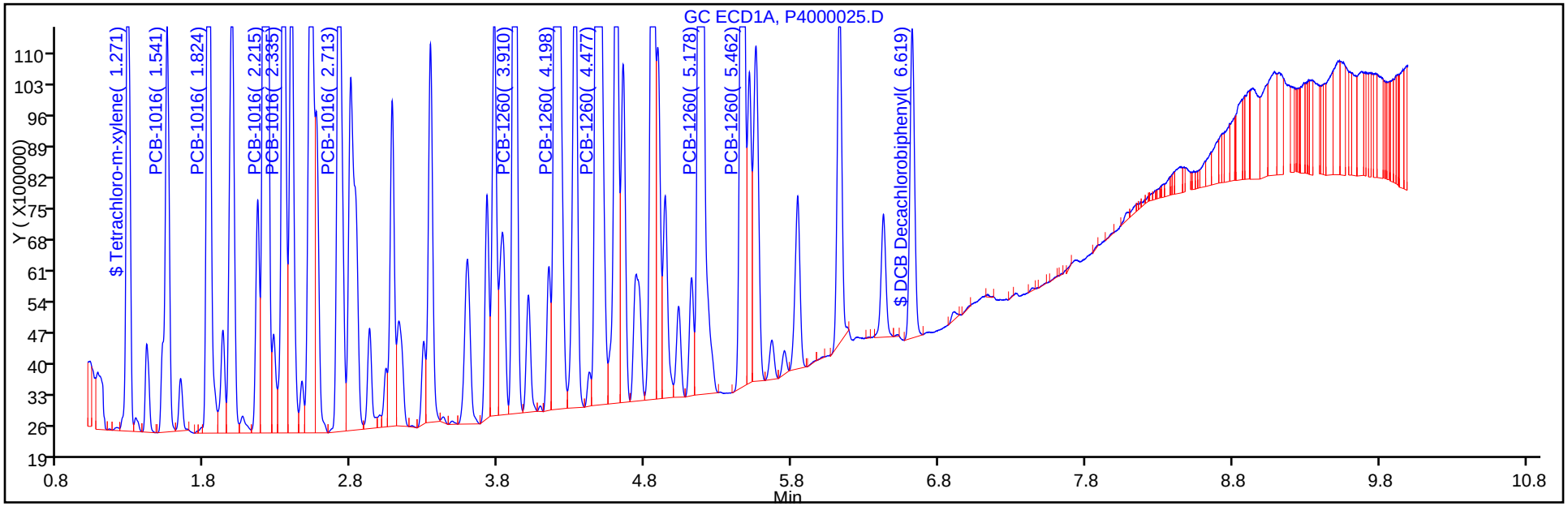
Report Date: 03-Jan-2013 07:17:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

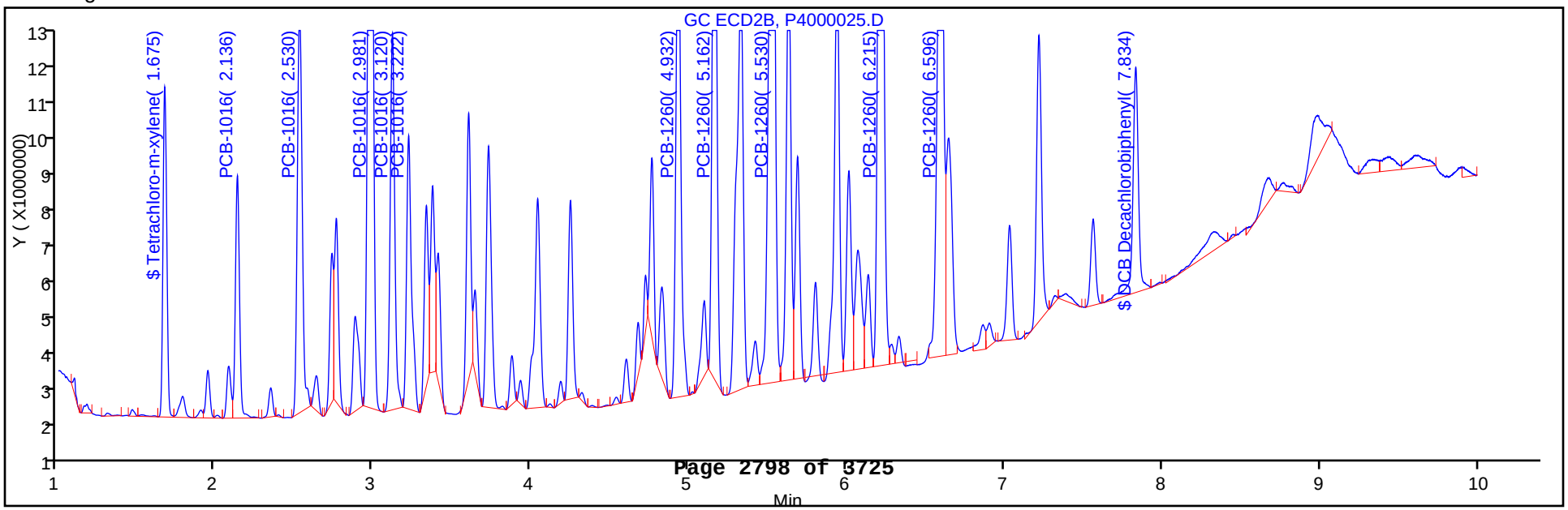
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000025.D

Injection Date:	02-Jan-2013 19:58:21	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-70774/18-A

Matrix: Solid | Lab File ID: P4000025.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 12/31/2012 13:58

Sample wt/vol: 30.00(g) | Date Analyzed: 01/02/2013 19:58

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70882 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	Aroclor-1016	267		65	25	21
11096-82-5	Aroclor-1260	226		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	86		40-140
2051-24-3	DCB Decachlorobiphenyl	80		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000025.D
Lims ID: LCS 240-70774/18-A Client ID:
Inject. Date: 02-Jan-2013 19:58:21 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016346-025
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 25
Lims Batch ID: 70882 Lims Sample ID: 25
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m
Last Update: 03-Jan-2013 07:17:02 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK037

First Level Reviewer: hassl Date: 03-Jan-2013 07:10:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	21212802	0.0152			
2	2	1.675	1.673	0.002	15556143	0.0172			
						RPD = 12.24			
6 PCB-1016									
1	100	1.541	1.540	0.001	19244302	0.7790		100.0	
1	2	1.824	1.822	0.002	33293379	0.7541	152.4- 202.4	173.0	
1	3	2.215	2.213	0.002	74928579	0.8214	334.6- 384.6	389.4	
1	4	2.335	2.333	0.002	31518465	0.7795	125.4- 195.4	163.8	
1	5	2.713	2.711	0.002	30570977	0.7548	136.2- 186.2	158.9	
			Average of Peak Amounts =			0.7777			
2	6	2.136	2.134	0.002	12477042	0.7893		100.0	
2	7	2.530	2.529	0.001	24662908	0.7844	169.0- 229.0	197.7	
2	8	2.981	2.979	0.002	55032820	0.8708	361.2- 421.2	441.1	
2	9	3.120	3.119	0.001	21531344	0.7799	144.4- 204.4	172.6	
2	10	3.222	3.221	0.001	17105990	0.7831	108.9- 168.9	137.1	
			Average of Peak Amounts =			0.8015			
						RPD = 3.01			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.910	3.909	0.001	41079137	0.6922		100.0	
1	2	4.198	4.196	0.002	73040984	0.6801	156.3- 206.3	177.8	
1	3	4.477	4.476	0.001	72425365	0.6568	159.6- 209.6	176.3	
1	4	5.178	5.177	0.001	82523608	0.6623	183.4- 233.4	200.9	
1	5	5.462	5.460	0.002	42385908	0.6373	87.0- 137.0	103.2	
			Average of Peak Amounts =			0.6657			
2	6	4.932	4.930	0.002	31084105	0.6827		100.0	
2	7	5.162	5.160	0.002	35560760	0.6515	86.9- 146.9	114.4	
2	8	5.530	5.529	0.001	54303865	0.6734	145.2- 205.2	174.7	M
2	9	6.215	6.214	0.001	68433435	0.7070	177.4- 237.4	220.2	M
2	10	6.596	6.595	0.001	48777680	0.6793	125.7- 185.7	156.9	M
			Average of Peak Amounts =			0.6788			
						RPD = 1.94			
$ 12 DCB Decachlorobiphenyl									
1	100	6.619	6.618	0.001	15549831	0.0120			
2	2	7.834	7.833	0.001	15815233	0.0160			
						RPD = 28.60			

QC Flag Legend

Review Flags
M - Manually Integrated

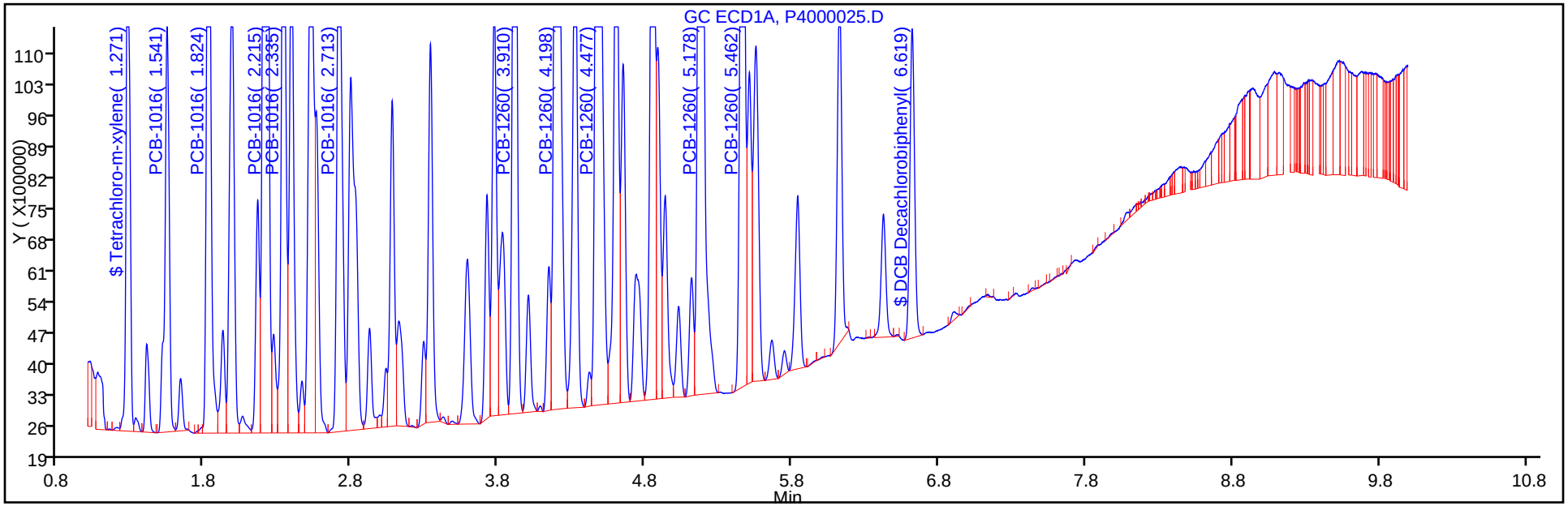
Report Date: 03-Jan-2013 07:17:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

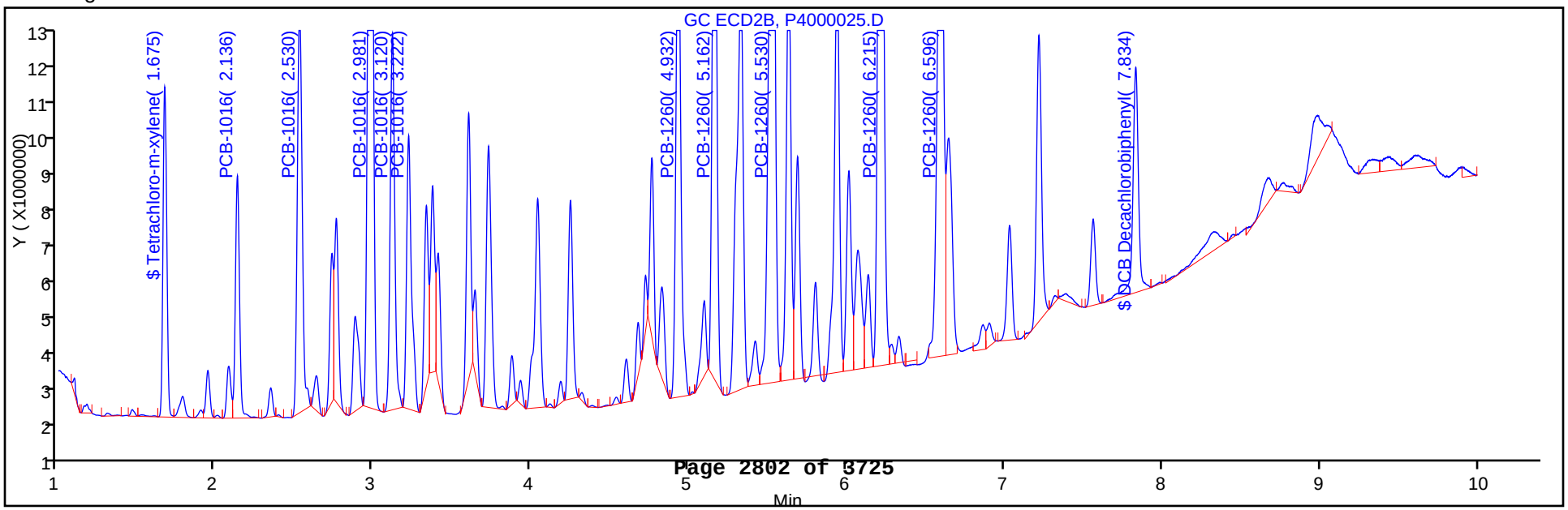
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000025.D

Injection Date:	02-Jan-2013 19:58:21	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



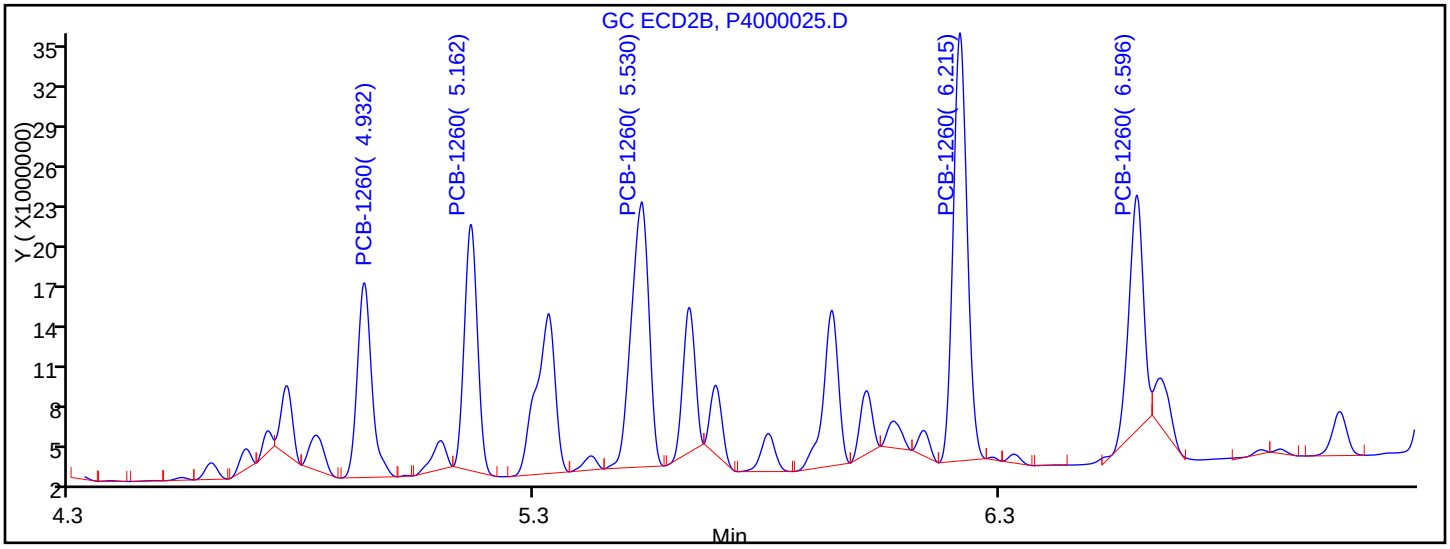
Report Date: 03-Jan-2013 07:17:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000025.D

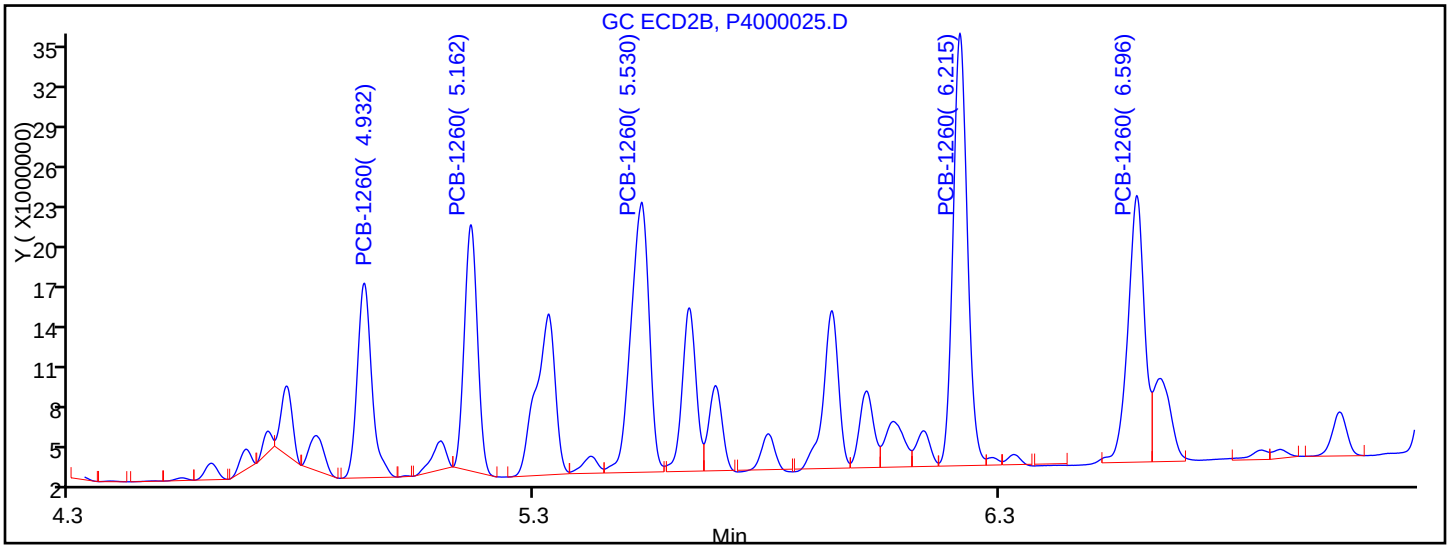
Injection Date:	02-Jan-2013 19:58:21	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

10 PCB-1260, Detector: 2, GC ecd2b



Processing Integration Results

RT = 4.932	Response = 31084105	
RT = 5.162	Response = 35560760	
RT = 5.530	Response = 51621966	M
RT = 6.215	Response = 66325507	M
RT = 6.596	Response = 38282335	M



Manual Integration Results

RT = 4.932	Response = 31084105	
RT = 5.162	Response = 35560760	
RT = 5.530	Response = 54303865	M
RT = 6.215	Response = 68433435	M
RT = 6.596	Response = 48777680	M

Reviewer: hassl, 03-Jan-2013 07:10:48

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69717/10

Matrix: Solid | Lab File ID: P4000010.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/21/2012 08:40

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0614		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0589		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	117		50-150
2051-24-3	DCB Decachlorobiphenyl	109		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000010.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	21-Dec-2012 08:40:20	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016082-010		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	10
Lims Batch ID:	69717	Lims Sample ID:	10
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:37:00	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 09:44:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	4083435	0.002930			
2	2	1.672	1.671	0.001	2741621	0.003032			
						RPD = 3.43			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100	1.541	1.540	0.001	1589027	0.0643		100.0	
1	2	1.823	1.822	0.001	2761505	0.0625	152.4- 202.4	173.8	
1	3	2.213	2.213	0.000	5444605	0.0597	334.6- 384.6	342.6	
1	4	2.334	2.334	0.000	2446953	0.0605	125.4- 195.4	154.0	
1	5	2.712	2.712	0.000	2428017	0.0599	136.2- 186.2	152.8	
			Average of Peak Amounts =			0.0614			
2	6	2.135	2.133	0.002	1100674	0.0696		100.0	
2	7	2.529	2.528	0.001	2089785	0.0665	169.0- 229.0	189.9	
2	8	2.979	2.978	0.001	4001581	0.0633	361.2- 421.2	363.6	
2	9	3.117	3.116	0.001	1862307	0.0675	144.4- 204.4	169.2	
2	10	3.221	3.220	0.001	1345169	0.0616	108.9- 168.9	122.2	
			Average of Peak Amounts =			0.0657			
						RPD = 6.75			
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.911	3.911	0.000	3518183	0.0593		100.0	
1	2	4.199	4.198	0.001	6357594	0.0592	156.3- 206.3	180.7	
1	3	4.480	4.478	0.002	6405275	0.0581	159.6- 209.6	182.1	
1	4	5.181	5.180	0.001	7412918	0.0595	183.4- 233.4	210.7	
1	5	5.465	5.463	0.002	3883505	0.0584	87.0- 137.0	110.4	
			Average of Peak Amounts =			0.0589			
2	6	4.931	4.931	0.000	2804113	0.0616		100.0	
2	7	5.162	5.160	0.002	3221666	0.0590	86.9- 146.9	114.9	
2	8	5.529	5.528	0.001	4703088	0.0583	145.2- 205.2	167.7	
2	9	6.216	6.214	0.002	5426842	0.0561	177.4- 237.4	193.5	
2	10	6.597	6.596	0.001	3959170	0.0551	125.7- 185.7	141.2	
			Average of Peak Amounts =			0.0580			
						RPD = 1.48			
9 PCB-1262									
1	100		4.200						
1	2		4.604						
1	3		4.851						
1	4		5.180						
1	5		5.556						
2	6		5.161						
2	7		5.633						
2	8		5.939						
2	9		6.214						
2	10		6.593						
11 PCB-1268									
1	100		5.513						
1	2		5.550						
1	3		5.750						
1	4		6.126						
1	5		6.424						
2	6		6.593						
2	7		6.640						
2	8		6.905						
2	9		7.220						
2	10		7.564						
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.621	0.001	3539456	0.002723			
2	2	7.835	7.834	0.001	2639027	0.002662			
						RPD = 2.25			

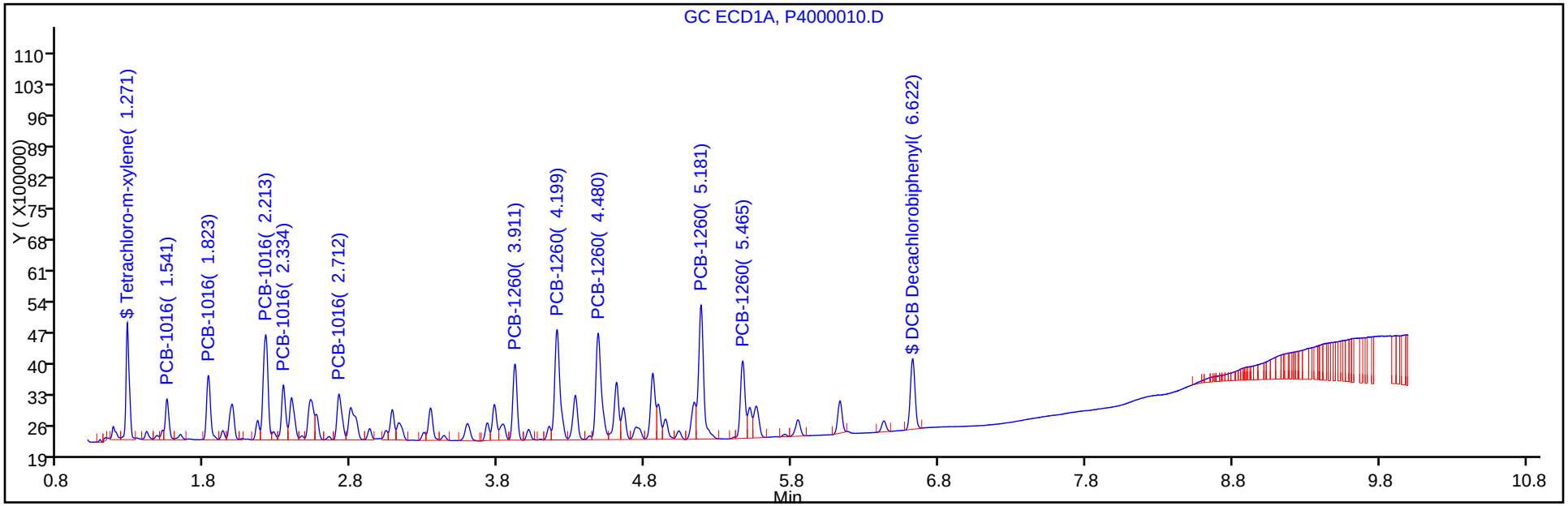
Report Date: 21-Dec-2012 13:37:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

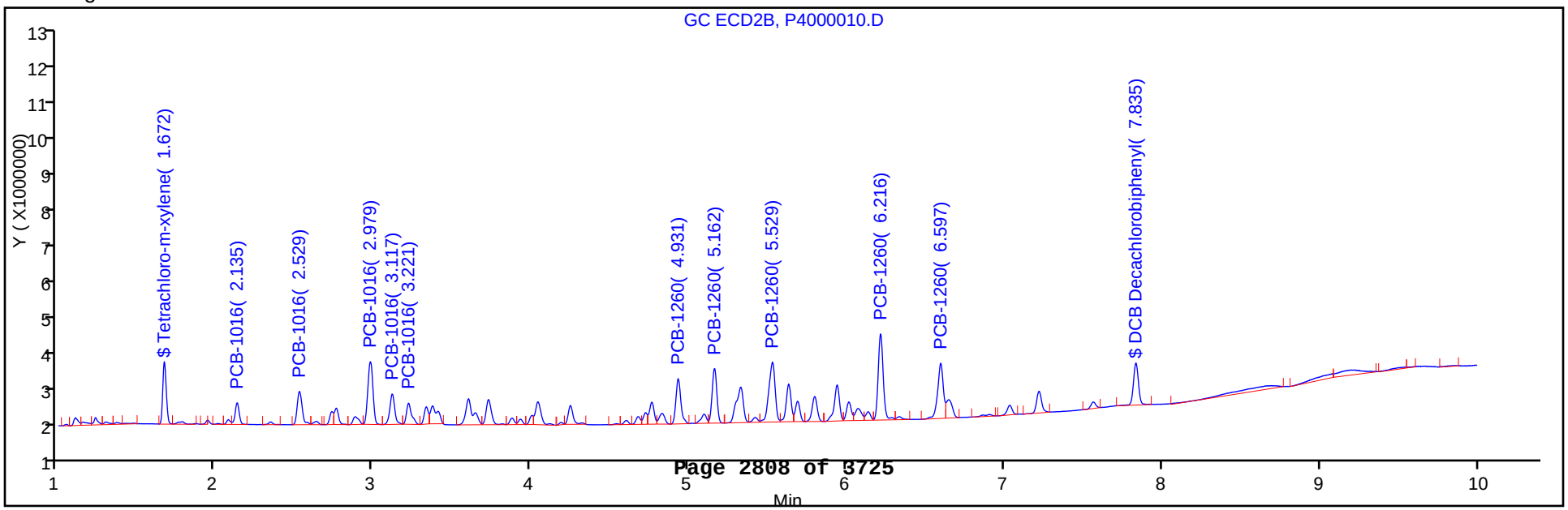
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000010.D

Injection Date:	21-Dec-2012 08:40:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69717/10

Matrix: Solid Lab File ID: P4000010.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/21/2012 08:40

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	121		50-150
2051-24-3	DCB Decachlorobiphenyl	106		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000010.D
Lims ID: MRL Client ID:
Inject. Date: 21-Dec-2012 08:40:20 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016082-010
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 10
Lims Batch ID: 69717 Lims Sample ID: 10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m
Last Update: 21-Dec-2012 13:37:00 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

First Level Reviewer: hassl Date: 21-Dec-2012 09:44:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	4083435	0.002930			
2	2	1.672	1.671	0.001	2741621	0.003032			
						RPD = 3.43			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100	1.541	1.540	0.001	1589027	0.0643		100.0	
1	2	1.823	1.822	0.001	2761505	0.0625	152.4- 202.4	173.8	
1	3	2.213	2.213	0.000	5444605	0.0597	334.6- 384.6	342.6	
1	4	2.334	2.334	0.000	2446953	0.0605	125.4- 195.4	154.0	
1	5	2.712	2.712	0.000	2428017	0.0599	136.2- 186.2	152.8	
			Average of Peak Amounts =			0.0614			
2	6	2.135	2.133	0.002	1100674	0.0696		100.0	
2	7	2.529	2.528	0.001	2089785	0.0665	169.0- 229.0	189.9	
2	8	2.979	2.978	0.001	4001581	0.0633	361.2- 421.2	363.6	
2	9	3.117	3.116	0.001	1862307	0.0675	144.4- 204.4	169.2	
2	10	3.221	3.220	0.001	1345169	0.0616	108.9- 168.9	122.2	
			Average of Peak Amounts =			0.0657			
						RPD = 6.75			
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.911	3.911	0.000	3518183	0.0593		100.0	
1	2	4.199	4.198	0.001	6357594	0.0592	156.3- 206.3	180.7	
1	3	4.480	4.478	0.002	6405275	0.0581	159.6- 209.6	182.1	
1	4	5.181	5.180	0.001	7412918	0.0595	183.4- 233.4	210.7	
1	5	5.465	5.463	0.002	3883505	0.0584	87.0- 137.0	110.4	
			Average of Peak Amounts =			0.0589			
2	6	4.931	4.931	0.000	2804113	0.0616		100.0	
2	7	5.162	5.160	0.002	3221666	0.0590	86.9- 146.9	114.9	
2	8	5.529	5.528	0.001	4703088	0.0583	145.2- 205.2	167.7	
2	9	6.216	6.214	0.002	5426842	0.0561	177.4- 237.4	193.5	
2	10	6.597	6.596	0.001	3959170	0.0551	125.7- 185.7	141.2	
			Average of Peak Amounts =			0.0580			
						RPD = 1.48			
9 PCB-1262									
1	100		4.200						
1	2		4.604						
1	3		4.851						
1	4		5.180						
1	5		5.556						
2	6		5.161						
2	7		5.633						
2	8		5.939						
2	9		6.214						
2	10		6.593						
11 PCB-1268									
1	100		5.513						
1	2		5.550						
1	3		5.750						
1	4		6.126						
1	5		6.424						
2	6		6.593						
2	7		6.640						
2	8		6.905						
2	9		7.220						
2	10		7.564						
$ 12 DCB Decachlorobiphenyl									
1	100	6.622	6.621	0.001	3539456	0.002723			
2	2	7.835	7.834	0.001	2639027	0.002662			
						RPD = 2.25			

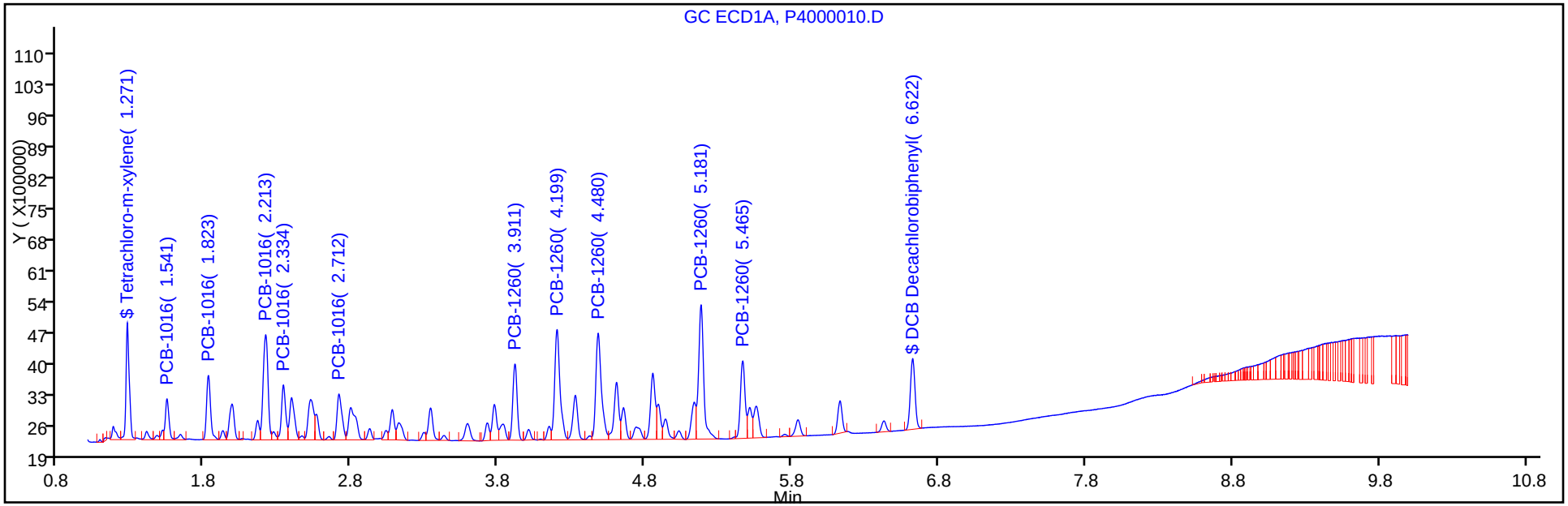
Report Date: 21-Dec-2012 13:37:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

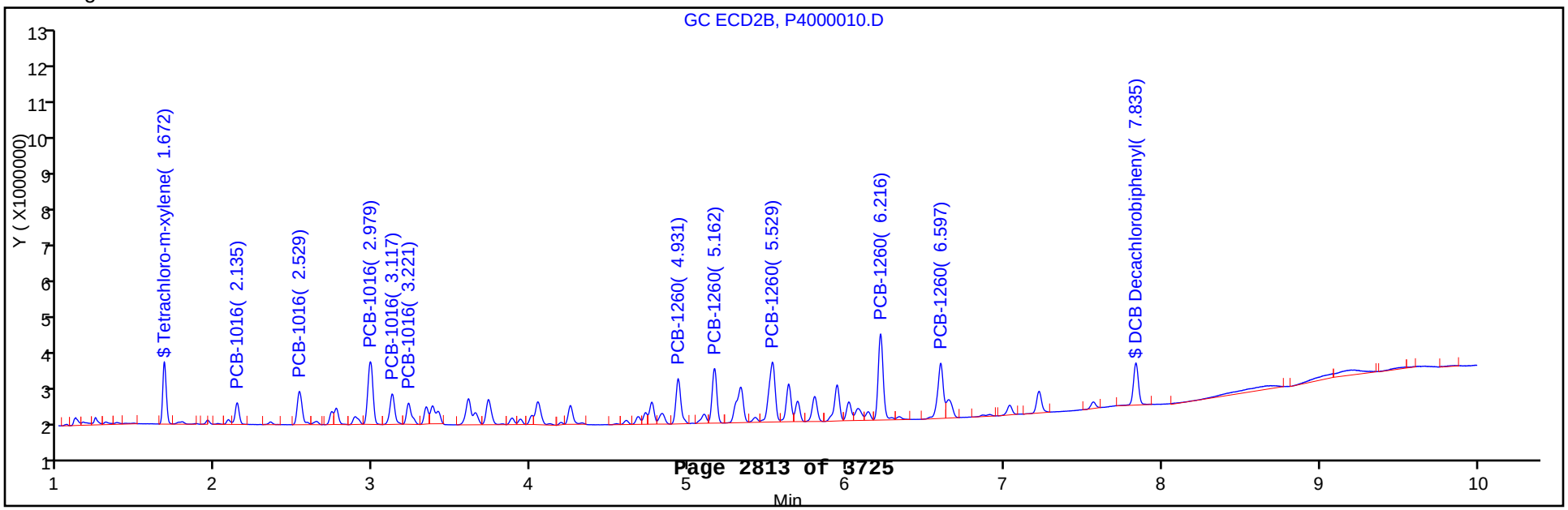
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000010.D

Injection Date:	21-Dec-2012 08:40:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69717/26

Matrix: Solid Lab File ID: P4000026.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/21/2012 12:52

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0597		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0591		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	115		50-150
2051-24-3	DCB Decachlorobiphenyl	118		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000026.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	21-Dec-2012 12:52:26	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016082-026		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	26
Lims Batch ID:	69717	Lims Sample ID:	26
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:36:41	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		

First Level Reviewer: hassl Date: 21-Dec-2012 13:16:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	3989012	0.002863			
2	2	1.673	1.673	0.000	2756282	0.003049			
						RPD = 6.30			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100	1.541	1.540	0.001	1553427	0.0629		100.0	
1	2	1.823	1.823	0.000	2778241	0.0629	152.4- 202.4	178.8	
1	3	2.214	2.214	0.000	5254302	0.0576	334.6- 384.6	338.2	
1	4	2.335	2.334	0.001	2256173	0.0558	125.4- 195.4	145.2	
1	5	2.714	2.713	0.001	2406467	0.0594	136.2- 186.2	154.9	
			Average of Peak Amounts =			0.0597			
2	6	2.134	2.134	0.000	1141747	0.0722		100.0	
2	7	2.530	2.530	0.000	2075771	0.0660	169.0- 229.0	181.8	
2	8	2.980	2.981	-0.001	4027916	0.0637	361.2- 421.2	352.8	
2	9	3.119	3.118	0.001	1844155	0.0668	144.4- 204.4	161.5	
2	10	3.222	3.222	0.000	1353712	0.0620	108.9- 168.9	118.6	
			Average of Peak Amounts =			0.0662			
						RPD = 10.21			
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.912	3.913	-0.001	3602241	0.0607		100.0	
1	2	4.199	4.198	0.001	6425371	0.0598	156.3- 206.3	178.4	
1	3	4.478	4.478	0.000	6495692	0.0589	159.6- 209.6	180.3	
1	4	5.180	5.179	0.001	7176065	0.0576	183.4- 233.4	199.2	
1	5	5.463	5.463	0.000	3902957	0.0587	87.0- 137.0	108.3	
			Average of Peak Amounts =			0.0591			
2	6	4.932	4.932	0.000	2788208	0.0612		100.0	
2	7	5.162	5.162	0.000	3163603	0.0580	86.9- 146.9	113.5	
2	8	5.531	5.530	0.001	4556652	0.0565	145.2- 205.2	163.4	
2	9	6.216	6.215	0.001	5691582	0.0588	177.4- 237.4	204.1	
2	10	6.597	6.597	0.000	4324649	0.0602	125.7- 185.7	155.1	
			Average of Peak Amounts =			0.0589			
						RPD = 0.33			
9 PCB-1262									
1	100		4.200						
1	2		4.604						
1	3		4.851						
1	4		5.180						
1	5		5.556						
2	6		5.161						
2	7		5.633						
2	8		5.939						
2	9		6.214						
2	10		6.593						
11 PCB-1268									
1	100		5.513						
1	2		5.550						
1	3		5.750						
1	4		6.126						
1	5		6.424						
2	6		6.593						
2	7		6.640						
2	8		6.905						
2	9		7.220						
2	10		7.564						
$ 12 DCB Decachlorobiphenyl									
1	100	6.623	6.621	0.002	3842907	0.002957			
2	2	7.835	7.834	0.001	2880361	0.002906			
						RPD = 1.73			

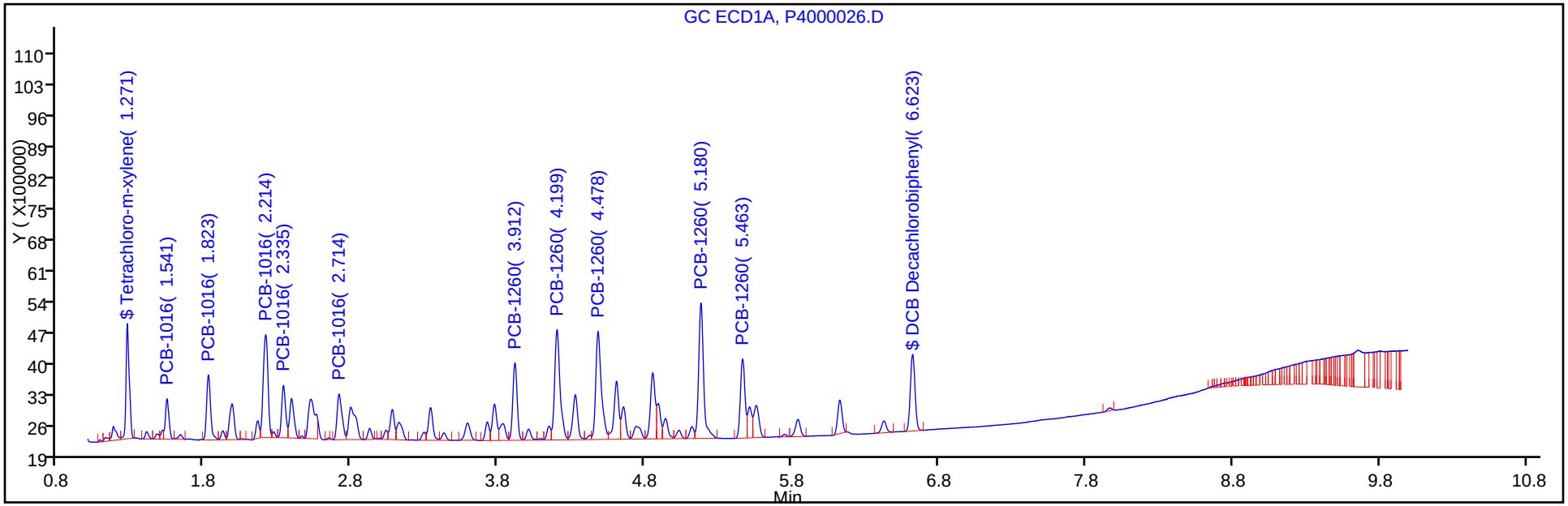
Report Date: 21-Dec-2012 13:36:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

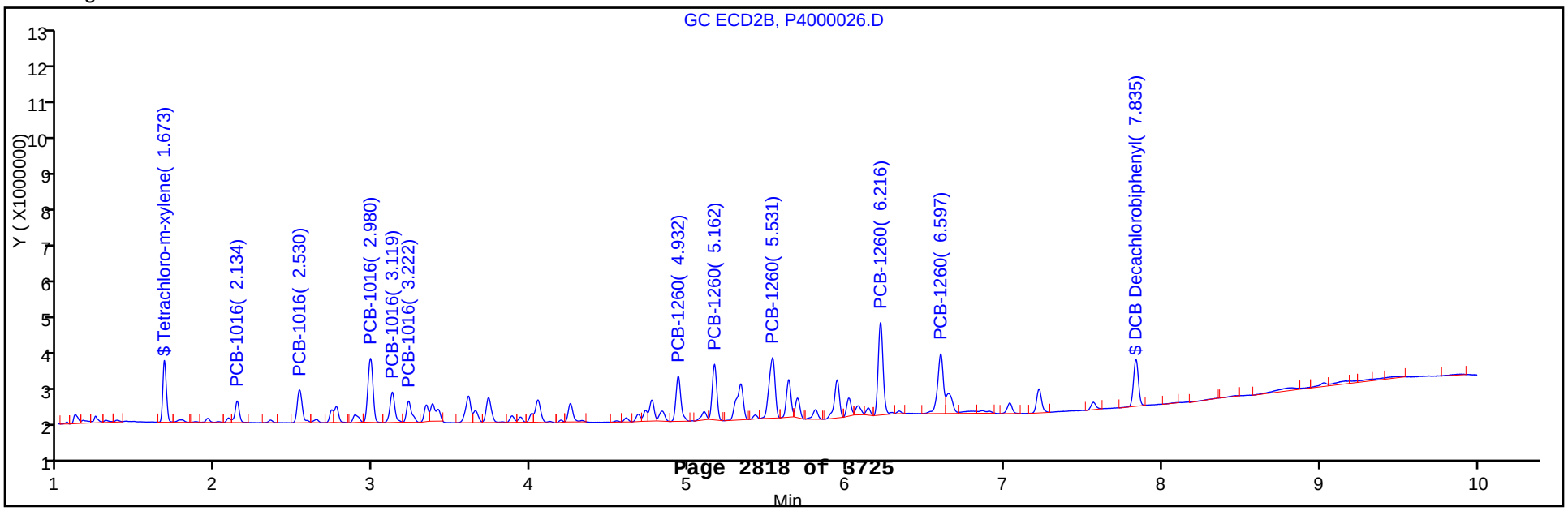
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000026.D

Injection Date:	21-Dec-2012 12:52:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-69717/26

Matrix: Solid Lab File ID: P4000026.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/21/2012 12:52

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69717 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0662*	^	*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0589*		*0.050*	0.00020	*0.017*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	122		50-150
2051-24-3	DCB Decachlorobiphenyl	116		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000026.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	21-Dec-2012 12:52:26	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016082-026		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	26
Lims Batch ID:	69717	Lims Sample ID:	26
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121221-16082.b\PCB4.m		
Last Update:	21-Dec-2012 13:36:41	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: hassl		Date:	21-Dec-2012 13:16:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	3989012	0.002863			
2	2	1.673	1.673	0.000	2756282	0.003049			
						RPD = 6.30			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.946						
2	5		2.077						
2	6		2.133						
4 PCB-1232									
1	100		1.539						
1	2		1.822						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.539						
1	2		1.822						
1	3		2.214						
1	4		2.334						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.601						
6 PCB-1016									
1	100	1.541	1.540	0.001	1553427	0.0629		100.0	
1	2	1.823	1.823	0.000	2778241	0.0629	152.4- 202.4	178.8	
1	3	2.214	2.214	0.000	5254302	0.0576	334.6- 384.6	338.2	
1	4	2.335	2.334	0.001	2256173	0.0558	125.4- 195.4	145.2	
1	5	2.714	2.713	0.001	2406467	0.0594	136.2- 186.2	154.9	
			Average of Peak Amounts =			0.0597			
2	6	2.134	2.134	0.000	1141747	0.0722		100.0	
2	7	2.530	2.530	0.000	2075771	0.0660	169.0- 229.0	181.8	
2	8	2.980	2.981	-0.001	4027916	0.0637	361.2- 421.2	352.8	
2	9	3.119	3.118	0.001	1844155	0.0668	144.4- 204.4	161.5	
2	10	3.222	3.222	0.000	1353712	0.0620	108.9- 168.9	118.6	
			Average of Peak Amounts =			0.0662			
						RPD = 10.21			
7 PCB-1248									
1	86		1.821						
1	2		2.211						
1	3		2.711						
1	4		3.289						
1	5		3.722						
2	6		2.527						
2	7		2.977						
2	8		3.726						
2	9		4.001						
2	10		4.724						
8 PCB-1254									
1	100		3.075						
1	2		3.723						
1	3		4.005						
1	4		4.196						
1	5		4.478						
2	6		4.248						
2	7		4.723						
2	8		4.967						
2	9		5.328						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.912	3.913	-0.001	3602241	0.0607		100.0	
1	2	4.199	4.198	0.001	6425371	0.0598	156.3- 206.3	178.4	
1	3	4.478	4.478	0.000	6495692	0.0589	159.6- 209.6	180.3	
1	4	5.180	5.179	0.001	7176065	0.0576	183.4- 233.4	199.2	
1	5	5.463	5.463	0.000	3902957	0.0587	87.0- 137.0	108.3	
			Average of Peak Amounts =			0.0591			
2	6	4.932	4.932	0.000	2788208	0.0612		100.0	
2	7	5.162	5.162	0.000	3163603	0.0580	86.9- 146.9	113.5	
2	8	5.531	5.530	0.001	4556652	0.0565	145.2- 205.2	163.4	
2	9	6.216	6.215	0.001	5691582	0.0588	177.4- 237.4	204.1	
2	10	6.597	6.597	0.000	4324649	0.0602	125.7- 185.7	155.1	
			Average of Peak Amounts =			0.0589			
						RPD = 0.33			
9 PCB-1262									
1	100		4.200						
1	2		4.604						
1	3		4.851						
1	4		5.180						
1	5		5.556						
2	6		5.161						
2	7		5.633						
2	8		5.939						
2	9		6.214						
2	10		6.593						
11 PCB-1268									
1	100		5.513						
1	2		5.550						
1	3		5.750						
1	4		6.126						
1	5		6.424						
2	6		6.593						
2	7		6.640						
2	8		6.905						
2	9		7.220						
2	10		7.564						
$ 12 DCB Decachlorobiphenyl									
1	100	6.623	6.621	0.002	3842907	0.002957			
2	2	7.835	7.834	0.001	2880361	0.002906			
						RPD = 1.73			

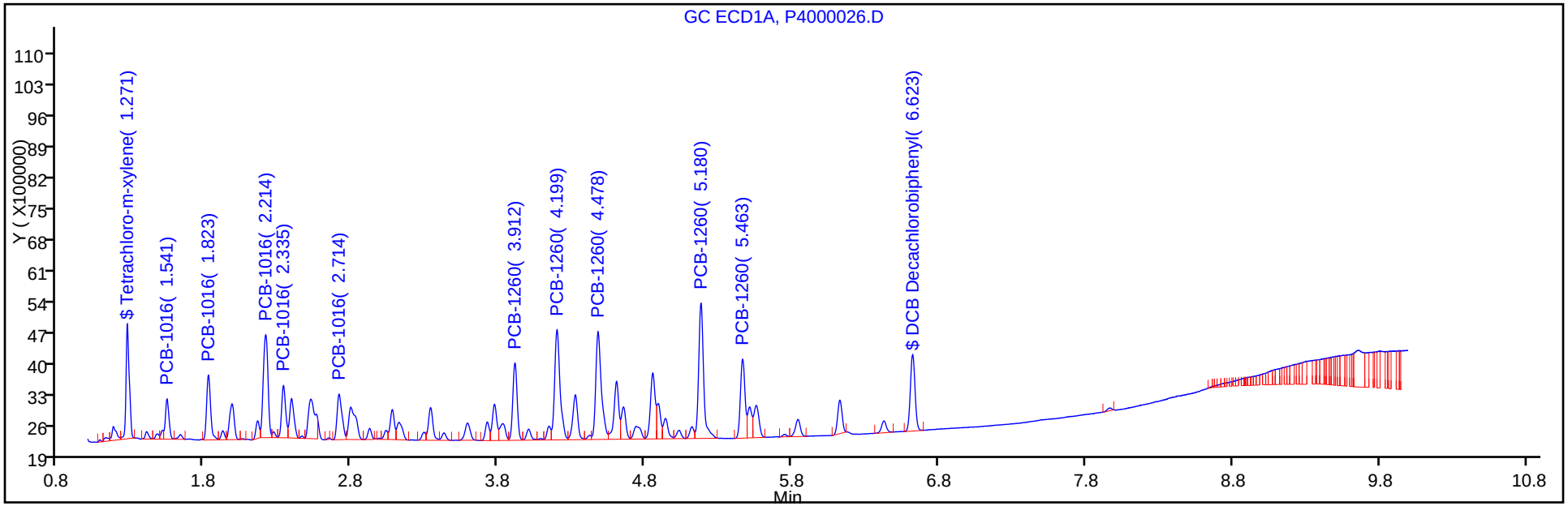
Report Date: 21-Dec-2012 13:36:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

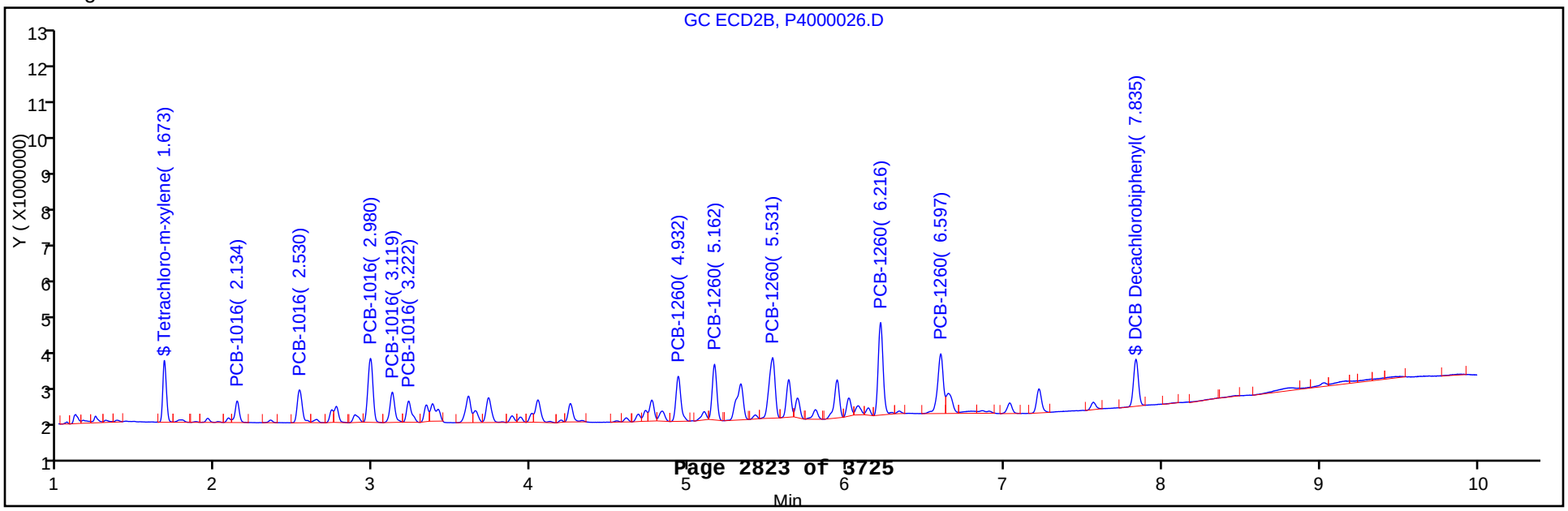
Data File: \\Ncchrom\ChromData\A2HP4\20121221-16082.b\P4000026.D

Injection Date:	21-Dec-2012 12:52:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	69717	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-70556/4

Matrix: Solid Lab File ID: P4000004.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/29/2012 19:23

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0552		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0564		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		50-150
2051-24-3	DCB Decachlorobiphenyl	119		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000004.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	29-Dec-2012 19:23:33	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016267-004		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	4
Lims Batch ID:	70556	Lims Sample ID:	4
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m		
Last Update:	31-Dec-2012 10:16:08	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		
First Level Reviewer: hassl		Date:	31-Dec-2012 09:12:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	3668393	0.002632			
2	2	1.673	1.673	0.000	2717749	0.003006			
						RPD = 13.25			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
6 PCB-1016									
1	100	1.540	1.540	0.000	1382480	0.0560		100.0	
1	2	1.823	1.822	0.001	2583170	0.0585	152.4- 202.4	186.9	
1	3	2.213	2.212	0.001	4847756	0.0531	334.6- 384.6	350.7	
1	4	2.333	2.333	0.000	2089448	0.0517	125.4- 195.4	151.1	
1	5	2.712	2.712	0.000	2302292	0.0568	136.2- 186.2	166.5	
			Average of Peak Amounts =			0.0552			
2	6	2.135	2.135	0.000	1063540	0.0673		100.0	
2	7	2.529	2.529	0.000	2103537	0.0669	169.0- 229.0	197.8	
2	8	2.979	2.980	-0.001	3900371	0.0617	361.2- 421.2	366.7	
2	9	3.118	3.118	0.000	1752086	0.0635	144.4- 204.4	164.7	
2	10	3.221	3.220	0.001	1312356	0.0601	108.9- 168.9	123.4	
			Average of Peak Amounts =			0.0639			
						RPD = 14.55			
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.909	3.910	-0.001	3470634	0.0585		100.0	
1	2	4.196	4.197	-0.001	6193275	0.0577	156.3- 206.3	178.4	
1	3	4.475	4.476	-0.001	6179746	0.0560	159.6- 209.6	178.1	
1	4	5.176	5.177	-0.001	6834062	0.0549	183.4- 233.4	196.9	
1	5	5.460	5.461	-0.001	3650281	0.0549	87.0- 137.0	105.2	
			Average of Peak Amounts =			0.0564			
2	6	4.930	4.930	0.000	2909685	0.0639		100.0	
2	7	5.160	5.160	0.000	3426990	0.0628	86.9- 146.9	117.8	
2	8	5.528	5.527	0.001	4922844	0.0610	145.2- 205.2	169.2	
2	9	6.213	6.213	0.000	5984716	0.0618	177.4- 237.4	205.7	
2	10	6.594	6.594	0.000	4396043	0.0612	125.7- 185.7	151.1	
			Average of Peak Amounts =			0.0622			
						RPD = 9.74			
9 PCB-1262									
1	100		4.198						
1	2		4.603						
1	3		4.849						
1	4		5.177						
1	5		5.552						
2	6		5.161						
2	7		5.632						
2	8		5.939						
2	9		6.215						
2	10		6.593						
11 PCB-1268									
1	100		5.510						
1	2		5.548						
1	3		5.748						
1	4		6.124						
1	5		6.424						
2	6		6.592						
2	7		6.639						
2	8		6.905						
2	9		7.219						
2	10		7.563						
$ 12 DCB Decachlorobiphenyl									
1	100	6.618	6.619	-0.001	3874065	0.002981			
2	2	7.832	7.832	0.000	3236308	0.003265			
						RPD = 9.11			

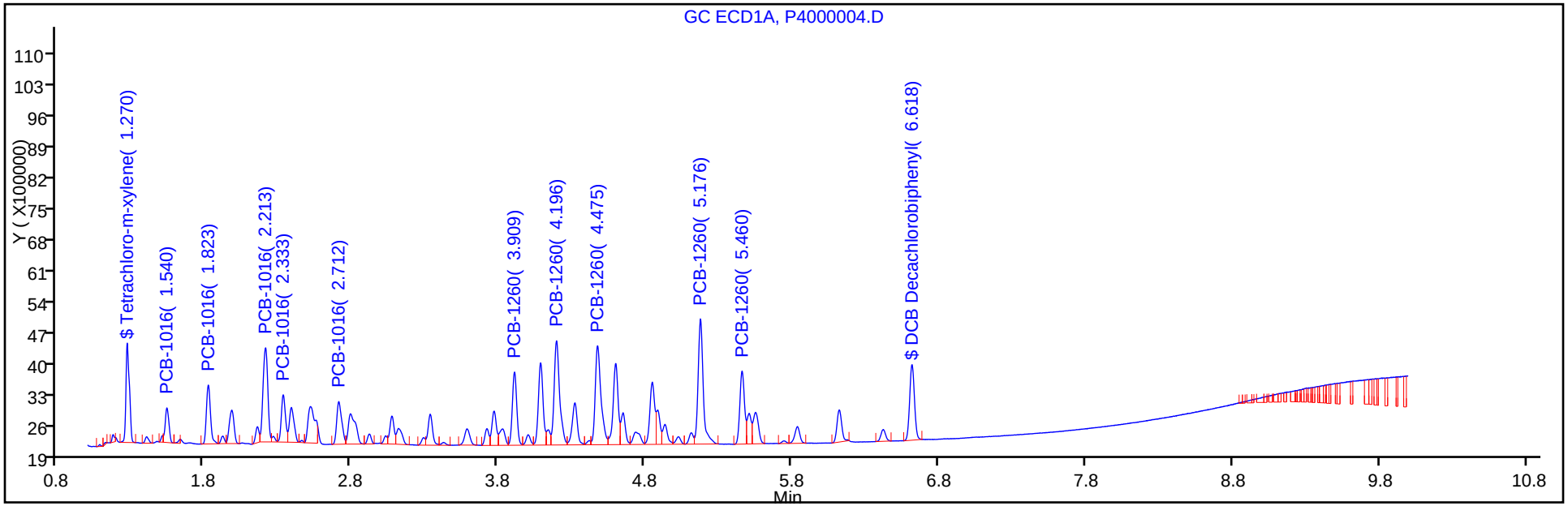
Report Date: 31-Dec-2012 10:16:09 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

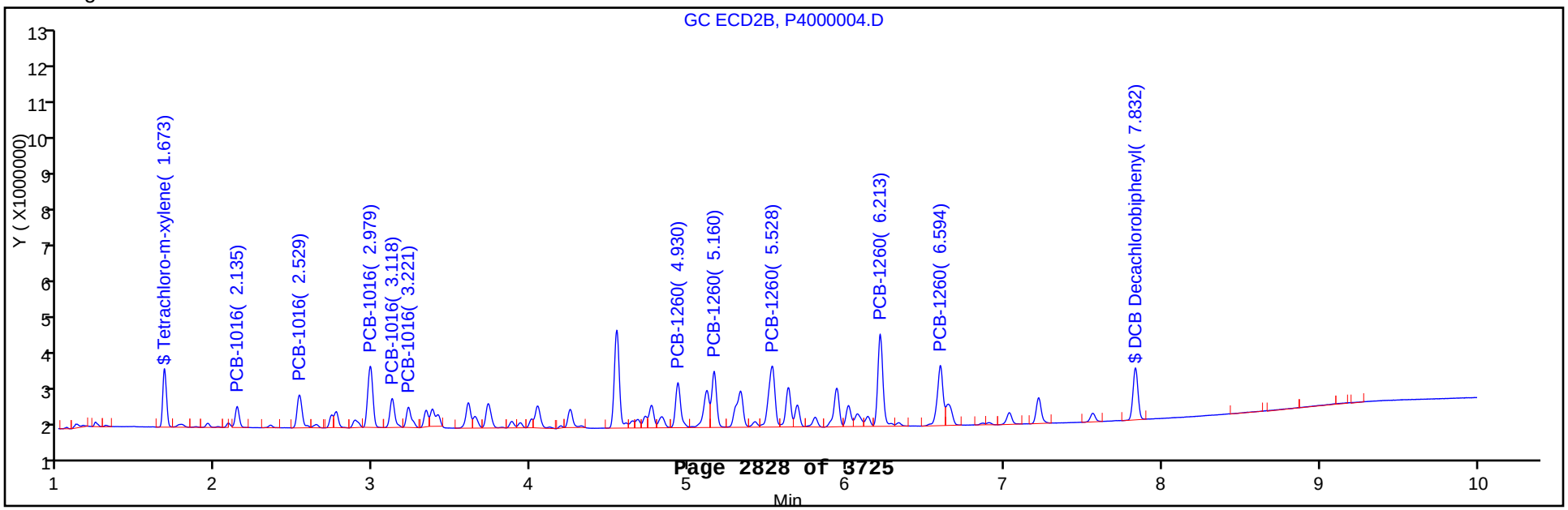
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000004.D

Injection Date:	29-Dec-2012 19:23:33	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70556/4

Matrix: Solid | Lab File ID: P4000004.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/29/2012 19:23

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0639*		*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0622*		*0.050*	0.00020	*0.017*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	120		50-150
2051-24-3	DCB Decachlorobiphenyl	131	*Q*	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000004.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	29-Dec-2012 19:23:33	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016267-004		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	4
Lims Batch ID:	70556	Lims Sample ID:	4
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m		
Last Update:	31-Dec-2012 10:16:08	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		
First Level Reviewer: hassl		Date:	31-Dec-2012 09:12:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	3668393	0.002632			
2	2	1.673	1.673	0.000	2717749	0.003006			
						RPD = 13.25			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
6 PCB-1016									
1	100	1.540	1.540	0.000	1382480	0.0560		100.0	
1	2	1.823	1.822	0.001	2583170	0.0585	152.4- 202.4	186.9	
1	3	2.213	2.212	0.001	4847756	0.0531	334.6- 384.6	350.7	
1	4	2.333	2.333	0.000	2089448	0.0517	125.4- 195.4	151.1	
1	5	2.712	2.712	0.000	2302292	0.0568	136.2- 186.2	166.5	
			Average of Peak Amounts =			0.0552			
2	6	2.135	2.135	0.000	1063540	0.0673		100.0	
2	7	2.529	2.529	0.000	2103537	0.0669	169.0- 229.0	197.8	
2	8	2.979	2.980	-0.001	3900371	0.0617	361.2- 421.2	366.7	
2	9	3.118	3.118	0.000	1752086	0.0635	144.4- 204.4	164.7	
2	10	3.221	3.220	0.001	1312356	0.0601	108.9- 168.9	123.4	
			Average of Peak Amounts =			0.0639			
						RPD = 14.55			
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.909	3.910	-0.001	3470634	0.0585		100.0	
1	2	4.196	4.197	-0.001	6193275	0.0577	156.3- 206.3	178.4	
1	3	4.475	4.476	-0.001	6179746	0.0560	159.6- 209.6	178.1	
1	4	5.176	5.177	-0.001	6834062	0.0549	183.4- 233.4	196.9	
1	5	5.460	5.461	-0.001	3650281	0.0549	87.0- 137.0	105.2	
			Average of Peak Amounts =			0.0564			
2	6	4.930	4.930	0.000	2909685	0.0639		100.0	
2	7	5.160	5.160	0.000	3426990	0.0628	86.9- 146.9	117.8	
2	8	5.528	5.527	0.001	4922844	0.0610	145.2- 205.2	169.2	
2	9	6.213	6.213	0.000	5984716	0.0618	177.4- 237.4	205.7	
2	10	6.594	6.594	0.000	4396043	0.0612	125.7- 185.7	151.1	
			Average of Peak Amounts =			0.0622			
						RPD = 9.74			
9 PCB-1262									
1	100		4.198						
1	2		4.603						
1	3		4.849						
1	4		5.177						
1	5		5.552						
2	6		5.161						
2	7		5.632						
2	8		5.939						
2	9		6.215						
2	10		6.593						
11 PCB-1268									
1	100		5.510						
1	2		5.548						
1	3		5.748						
1	4		6.124						
1	5		6.424						
2	6		6.592						
2	7		6.639						
2	8		6.905						
2	9		7.219						
2	10		7.563						
$ 12 DCB Decachlorobiphenyl									
1	100	6.618	6.619	-0.001	3874065	0.002981			
2	2	7.832	7.832	0.000	3236308	0.003265			
						RPD = 9.11			

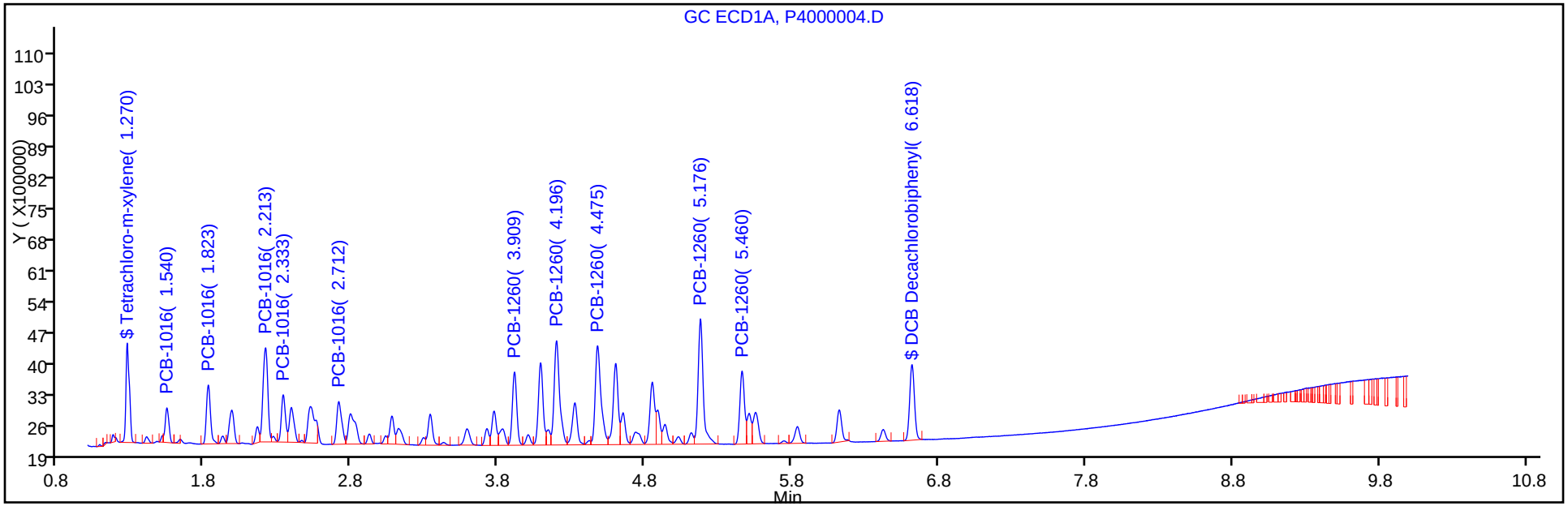
Report Date: 31-Dec-2012 10:16:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

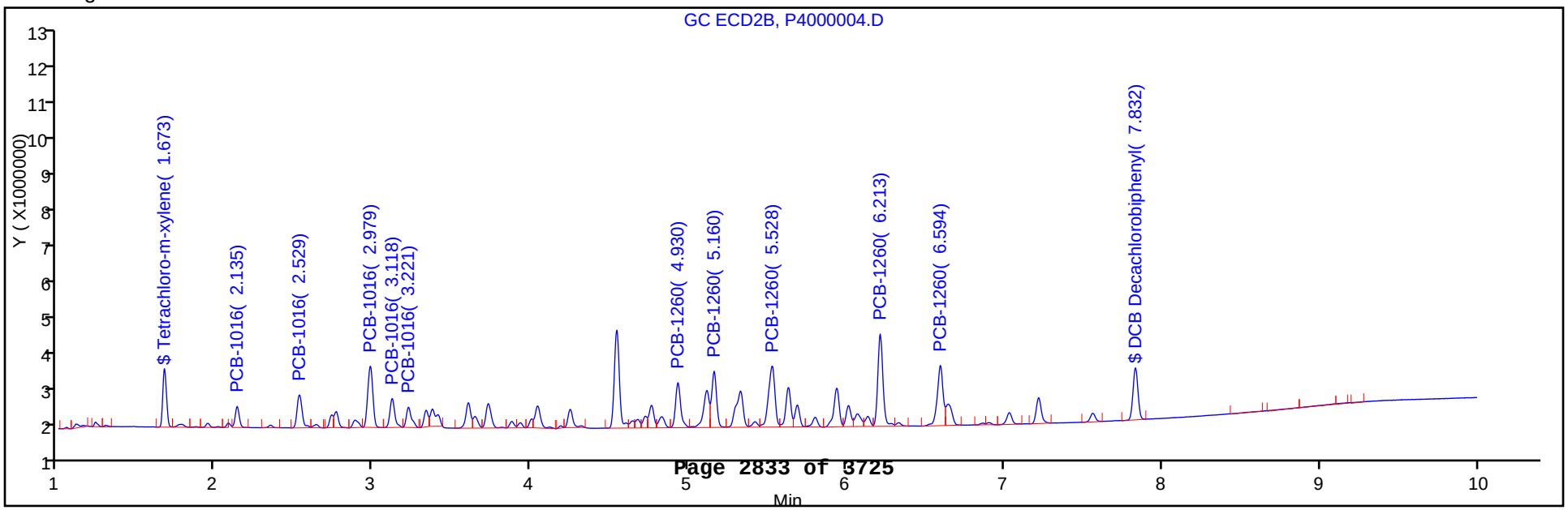
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000004.D

Injection Date:	29-Dec-2012 19:23:33	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-70556/27

Matrix: Solid Lab File ID: P4000027.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/30/2012 01:25

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0594		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0581		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	112		50-150
2051-24-3	DCB Decachlorobiphenyl	111		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000027.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	30-Dec-2012 01:25:22	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016267-027		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	27
Lims Batch ID:	70556	Lims Sample ID:	27
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m		
Last Update:	31-Dec-2012 10:16:08	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		

First Level Reviewer: hassl Date: 31-Dec-2012 09:21:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.269	1.270	-0.001	3911731	0.002807			
2	2	1.672	1.673	-0.001	2836920	0.003138			
						RPD = 11.13			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
6 PCB-1016									
1	100	1.539	1.540	-0.001	1496344	0.0606		100.0	
1	2	1.821	1.822	-0.001	2772310	0.0628	152.4- 202.4	185.3	
1	3	2.212	2.213	-0.001	5209277	0.0571	334.6- 384.6	348.1	
1	4	2.332	2.334	-0.002	2262284	0.0559	125.4- 195.4	151.2	
1	5	2.711	2.712	-0.001	2454456	0.0606	136.2- 186.2	164.0	
			Average of Peak Amounts =			0.0594			
2	6	2.134	2.135	-0.001	1130446	0.0715		100.0	
2	7	2.529	2.530	-0.001	2144635	0.0682	169.0- 229.0	189.7	
2	8	2.979	2.980	-0.001	4156228	0.0658	361.2- 421.2	367.7	
2	9	3.119	3.119	0.000	1915883	0.0694	144.4- 204.4	169.5	
2	10	3.221	3.222	-0.001	1364079	0.0624	108.9- 168.9	120.7	
			Average of Peak Amounts =			0.0675			
						RPD = 12.71			
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.910	3.910	0.000	3613903	0.0609		100.0	
1	2	4.197	4.197	0.000	6444970	0.0600	156.3- 206.3	178.3	
1	3	4.475	4.476	-0.001	6489302	0.0588	159.6- 209.6	179.6	
1	4	5.178	5.177	0.001	6868021	0.0551	183.4- 233.4	190.0	
1	5	5.461	5.462	-0.001	3682693	0.0554	87.0- 137.0	101.9	
			Average of Peak Amounts =			0.0581			
2	6	4.931	4.932	-0.001	2759995	0.0606		100.0	
2	7	5.161	5.162	-0.001	3284463	0.0602	86.9- 146.9	119.0	
2	8	5.528	5.530	-0.002	4632319	0.0574	145.2- 205.2	167.8	
2	9	6.214	6.214	0.000	5623578	0.0581	177.4- 237.4	203.8	
2	10	6.595	6.595	0.000	3447214	0.0480	125.7- 185.7	124.9	M
			Average of Peak Amounts =			0.0569			
						RPD = 2.06			
9 PCB-1262									
1	100		4.198						
1	2		4.603						
1	3		4.849						
1	4		5.177						
1	5		5.552						
2	6		5.161						
2	7		5.632						
2	8		5.939						
2	9		6.215						
2	10		6.593						
11 PCB-1268									
1	100		5.510						
1	2		5.548						
1	3		5.748						
1	4		6.124						
1	5		6.424						
2	6		6.592						
2	7		6.639						
2	8		6.905						
2	9		7.219						
2	10		7.563						
$ 12 DCB Decachlorobiphenyl									
1	100	6.619	6.620	-0.001	3616914	0.002783			
2	2	7.834	7.833	0.001	2574949	0.002598			
						RPD = 6.87			

QC Flag Legend

Review Flags
M - Manually Integrated

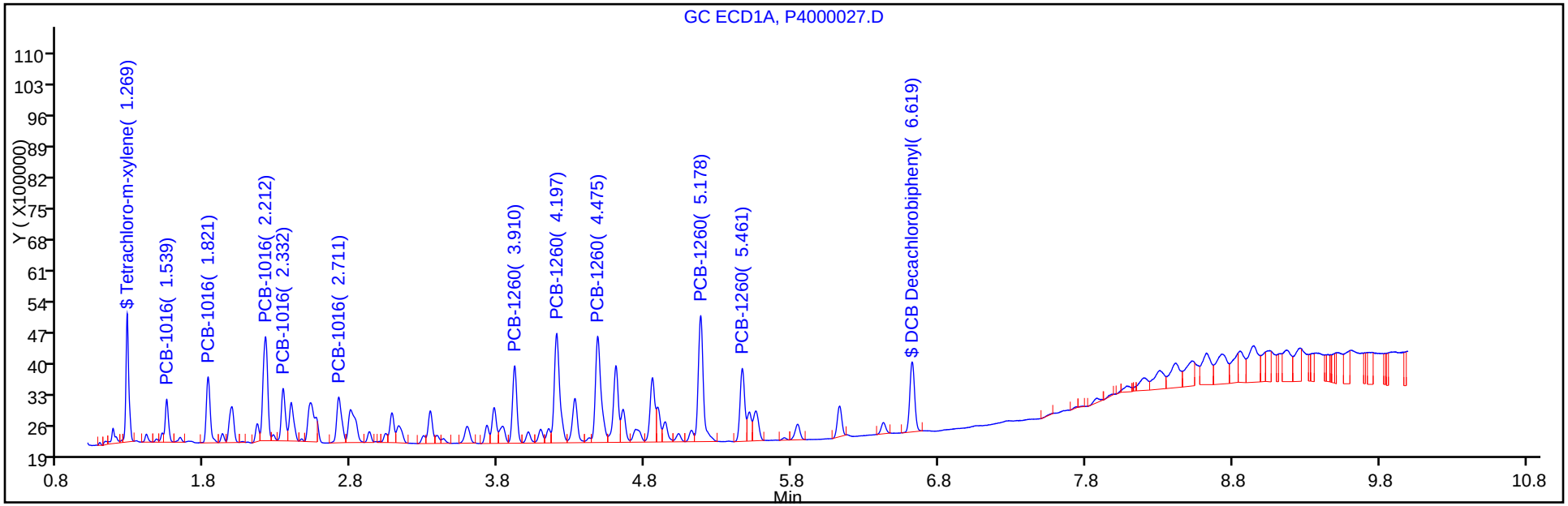
Report Date: 31-Dec-2012 10:16:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

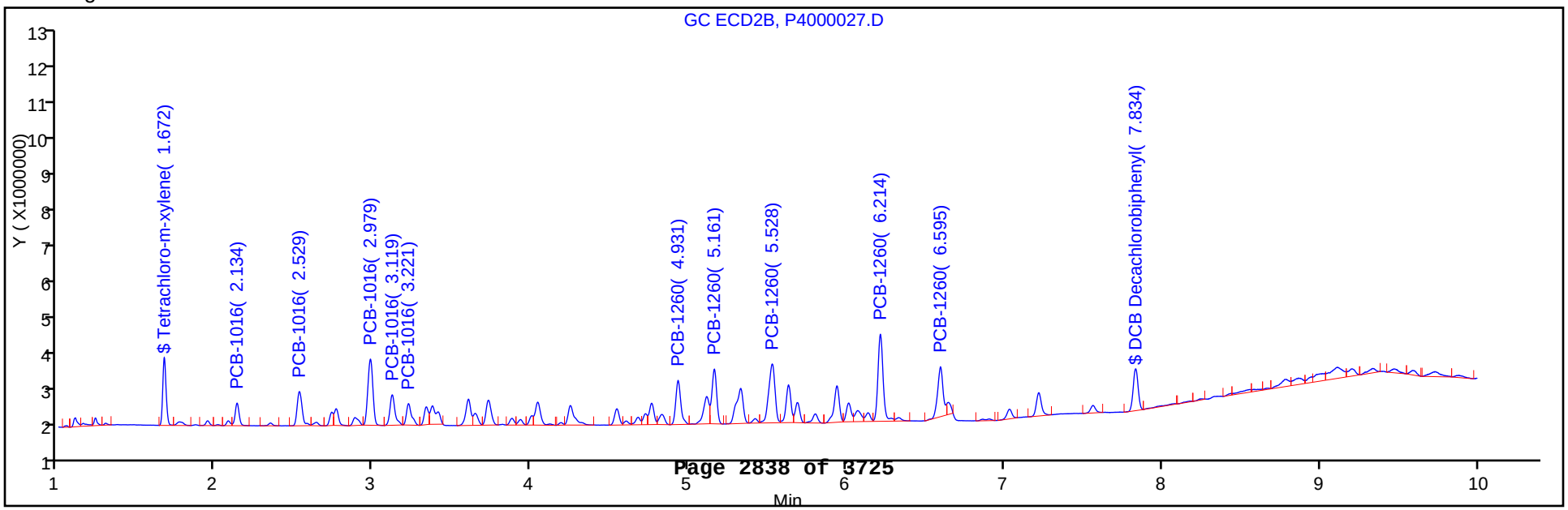
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000027.D

Injection Date:	30-Dec-2012 01:25:22	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70556/27

Matrix: Solid | Lab File ID: P4000027.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/30/2012 01:25

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0675*	^	*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0569*		*0.050*	0.00020	*0.017*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	126		50-150
2051-24-3	DCB Decachlorobiphenyl	104		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000027.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	30-Dec-2012 01:25:22	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016267-027		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	27
Lims Batch ID:	70556	Lims Sample ID:	27
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m		
Last Update:	31-Dec-2012 10:16:08	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		
First Level Reviewer: hassl		Date:	31-Dec-2012 09:21:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.269	1.270	-0.001	3911731	0.002807			
2	2	1.672	1.673	-0.001	2836920	0.003138			
						RPD = 11.13			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
6 PCB-1016									
1	100	1.539	1.540	-0.001	1496344	0.0606		100.0	
1	2	1.821	1.822	-0.001	2772310	0.0628	152.4- 202.4	185.3	
1	3	2.212	2.213	-0.001	5209277	0.0571	334.6- 384.6	348.1	
1	4	2.332	2.334	-0.002	2262284	0.0559	125.4- 195.4	151.2	
1	5	2.711	2.712	-0.001	2454456	0.0606	136.2- 186.2	164.0	
			Average of Peak Amounts =			0.0594			
2	6	2.134	2.135	-0.001	1130446	0.0715		100.0	
2	7	2.529	2.530	-0.001	2144635	0.0682	169.0- 229.0	189.7	
2	8	2.979	2.980	-0.001	4156228	0.0658	361.2- 421.2	367.7	
2	9	3.119	3.119	0.000	1915883	0.0694	144.4- 204.4	169.5	
2	10	3.221	3.222	-0.001	1364079	0.0624	108.9- 168.9	120.7	
			Average of Peak Amounts =			0.0675			
						RPD = 12.71			
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	3.910	3.910	0.000	3613903	0.0609		100.0	
1	2	4.197	4.197	0.000	6444970	0.0600	156.3- 206.3	178.3	
1	3	4.475	4.476	-0.001	6489302	0.0588	159.6- 209.6	179.6	
1	4	5.178	5.177	0.001	6868021	0.0551	183.4- 233.4	190.0	
1	5	5.461	5.462	-0.001	3682693	0.0554	87.0- 137.0	101.9	
			Average of Peak Amounts =			0.0581			
2	6	4.931	4.932	-0.001	2759995	0.0606		100.0	
2	7	5.161	5.162	-0.001	3284463	0.0602	86.9- 146.9	119.0	
2	8	5.528	5.530	-0.002	4632319	0.0574	145.2- 205.2	167.8	
2	9	6.214	6.214	0.000	5623578	0.0581	177.4- 237.4	203.8	
2	10	6.595	6.595	0.000	3447214	0.0480	125.7- 185.7	124.9	M
			Average of Peak Amounts =			0.0569			
						RPD = 2.06			
9 PCB-1262									
1	100		4.198						
1	2		4.603						
1	3		4.849						
1	4		5.177						
1	5		5.552						
2	6		5.161						
2	7		5.632						
2	8		5.939						
2	9		6.215						
2	10		6.593						
11 PCB-1268									
1	100		5.510						
1	2		5.548						
1	3		5.748						
1	4		6.124						
1	5		6.424						
2	6		6.592						
2	7		6.639						
2	8		6.905						
2	9		7.219						
2	10		7.563						
$ 12 DCB Decachlorobiphenyl									
1	100	6.619	6.620	-0.001	3616914	0.002783			
2	2	7.834	7.833	0.001	2574949	0.002598			
						RPD = 6.87			

QC Flag Legend

Review Flags
M - Manually Integrated

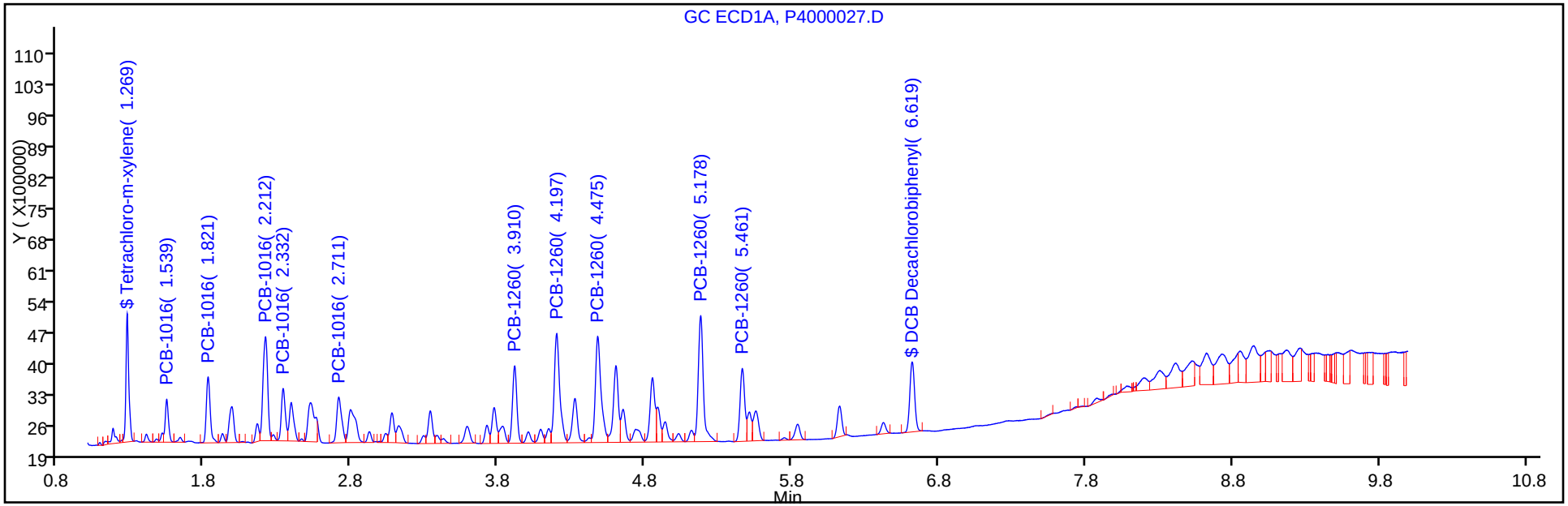
Report Date: 31-Dec-2012 10:16:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

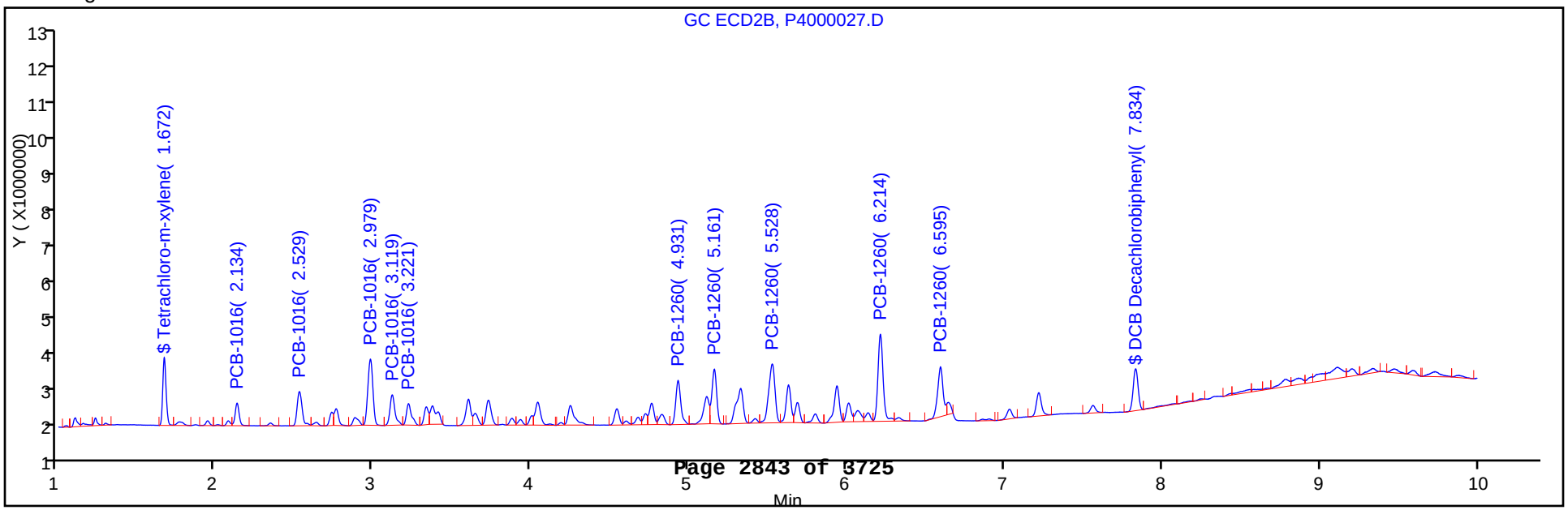
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000027.D

Injection Date:	30-Dec-2012 01:25:22	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



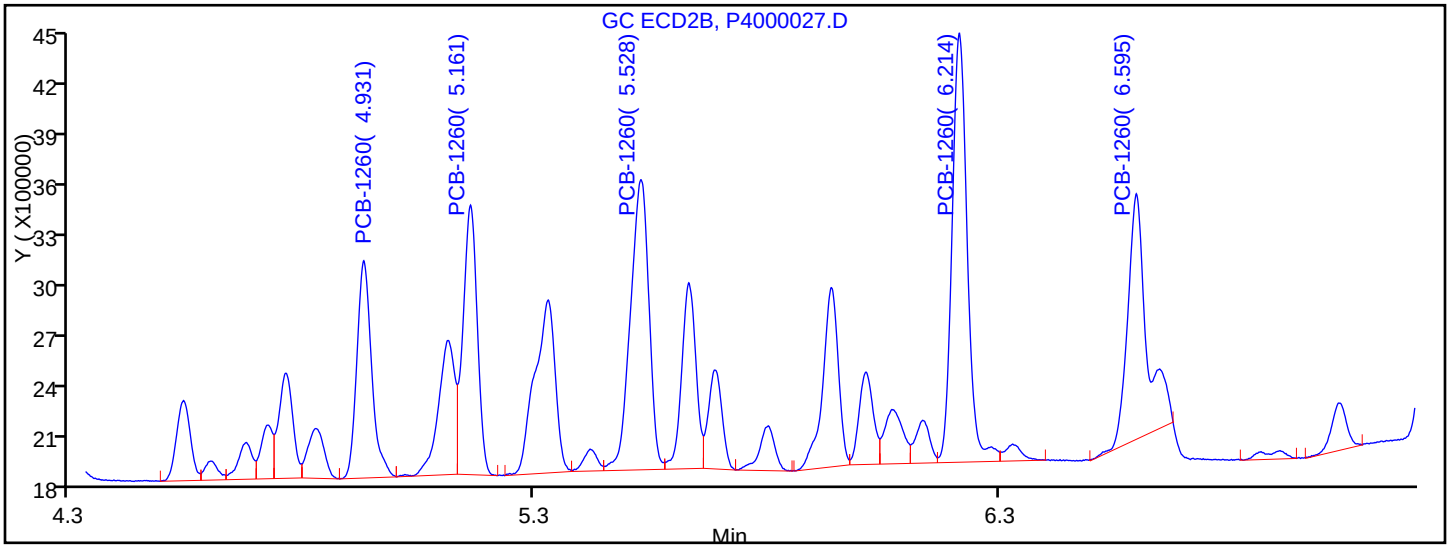
Report Date: 31-Dec-2012 10:16:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000027.D

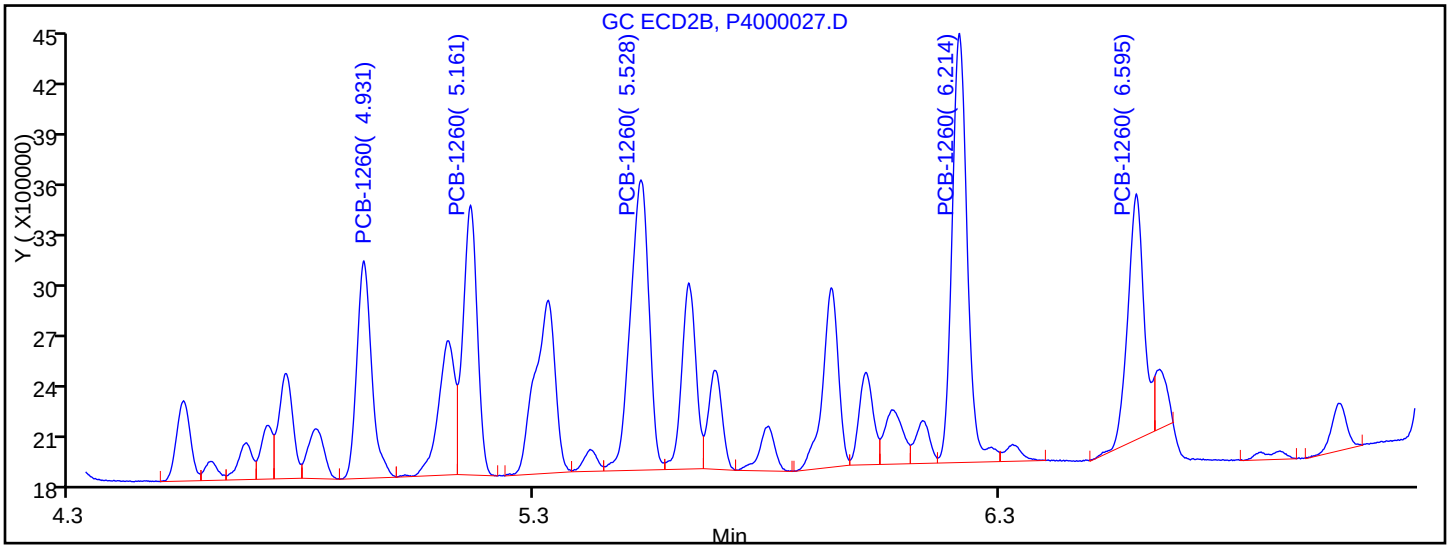
Injection Date:	30-Dec-2012 01:25:22	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

10 PCB-1260, Detector: 2, GC ecd2b



Processing Integration Results

RT = 4.931	Response = 2759995	
RT = 5.161	Response = 3284463	
RT = 5.528	Response = 4632319	
RT = 6.214	Response = 5623578	
RT = 6.595	Response = 4013059	M



Manual Integration Results

RT = 4.931	Response = 2759995	
RT = 5.161	Response = 3284463	
RT = 5.528	Response = 4632319	
RT = 6.214	Response = 5623578	
RT = 6.595	Response = 3447214	M

Reviewer: hassl, 31-Dec-2012 09:21:37

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-70882/4

Matrix: Solid Lab File ID: P4000004.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 01/02/2013 14:28

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70882 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0529*		*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0530*		*0.050*	0.00020	*0.017*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		50-150
2051-24-3	DCB Decachlorobiphenyl	113		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000004.D
Lims ID: MRL Client ID:
Inject. Date: 02-Jan-2013 14:28:21 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016346-004
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 4
Lims Batch ID: 70882 Lims Sample ID: 4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m
Last Update: 03-Jan-2013 07:16:40 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK037

First Level Reviewer: hassl Date: 03-Jan-2013 06:58:47

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.268	1.268	0.000	3457529	0.002481			
2	2	1.671	1.672	-0.001	2574368	0.002847			
						RPD = 13.75			
3 PCB-1221									
1	2		1.400						
1	3		1.508						
1	4		1.537						
2	4		1.945						
2	5		2.076						
2	6		2.133						
4 PCB-1232									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.710						
2	6		2.133						
2	7		2.528						
2	8		2.977						
2	9		3.115						
2	10		3.725						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.708						
2	6		2.132						
2	7		2.527						
2	8		2.977						
2	9		3.116						
2	10		3.599						
6 PCB-1016									
1	100	1.539	1.538	0.001	1360183	0.0551		100.0	
1	2	1.821	1.820	0.001	2439620	0.0553	152.4- 202.4	179.4	
1	3	2.210	2.211	-0.001	4639456	0.0509	334.6- 384.6	341.1	
1	4	2.331	2.331	0.000	2016252	0.0499	125.4- 195.4	148.2	
1	5	2.711	2.710	0.001	2165913	0.0535	136.2- 186.2	159.2	
			Average of Peak Amounts =			0.0529			
2	6	2.132	2.132	0.000	978399	0.0619		100.0	
2	7	2.528	2.527	0.001	1933699	0.0615	169.0- 229.0	197.6	
2	8	2.977	2.977	0.000	3713814	0.0588	361.2- 421.2	379.6	
2	9	3.115	3.116	-0.001	1634199	0.0592	144.4- 204.4	167.0	
2	10	3.218	3.218	0.000	1242776	0.0569	108.9- 168.9	127.0	
			Average of Peak Amounts =			0.0596			
						RPD = 11.99			
7 PCB-1248									
1	86		1.819						
1	2		2.209						
1	3		2.710						
1	4		3.285						
1	5		3.719						
2	6		2.526						
2	7		2.976						
2	8		3.725						
2	9		3.999						
2	10		4.721						
8 PCB-1254									
1	100		3.072						
1	2		3.719						
1	3		4.000						
1	4		4.192						
1	5		4.475						
2	6		4.246						
2	7		4.722						
2	8		4.965						
2	9		5.327						
2	10		5.530						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.908	3.908	0.000	3261477	0.0550		100.0	
1	2	4.194	4.193	0.001	5804358	0.0540	156.3- 206.3	178.0	
1	3	4.475	4.473	0.002	5783888	0.0525	159.6- 209.6	177.3	
1	4	5.174	5.173	0.001	6447073	0.0517	183.4- 233.4	197.7	
1	5	5.459	5.457	0.002	3444130	0.0518	87.0- 137.0	105.6	
			Average of Peak Amounts =			0.0530			
2	6	4.928	4.928	0.000	2659616	0.0584		100.0	
2	7	5.159	5.158	0.001	3124260	0.0572	86.9- 146.9	117.5	
2	8	5.526	5.525	0.001	4597349	0.0570	145.2- 205.2	172.9	
2	9	6.212	6.212	0.000	5659037	0.0585	177.4- 237.4	212.8	
2	10	6.593	6.592	0.001	4185177	0.0583	125.7- 185.7	157.4	
			Average of Peak Amounts =			0.0579			
						RPD = 8.81			
9 PCB-1262									
1	100		4.195						
1	2		4.599						
1	3		4.845						
1	4		5.174						
1	5		5.550						
2	6		5.158						
2	7		5.628						
2	8		5.936						
2	9		6.211						
2	10		6.591						
11 PCB-1268									
1	100		5.507						
1	2		5.545						
1	3		5.746						
1	4		6.121						
1	5		6.420						
2	6		6.590						
2	7		6.638						
2	8		6.903						
2	9		7.217						
2	10		7.560						
$ 12 DCB Decachlorobiphenyl									
1	100	6.616	6.616	0.000	3663878	0.002819			
2	2	7.831	7.827	0.004	3024273	0.003051			
						RPD = 7.92			

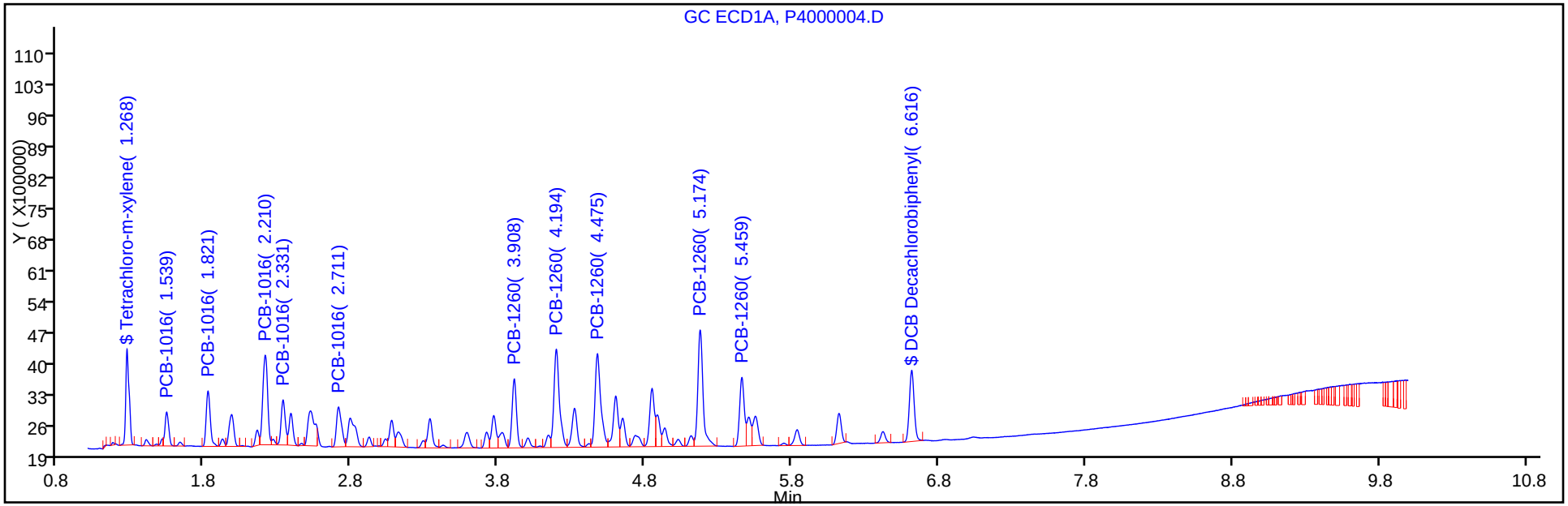
Report Date: 03-Jan-2013 07:16:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

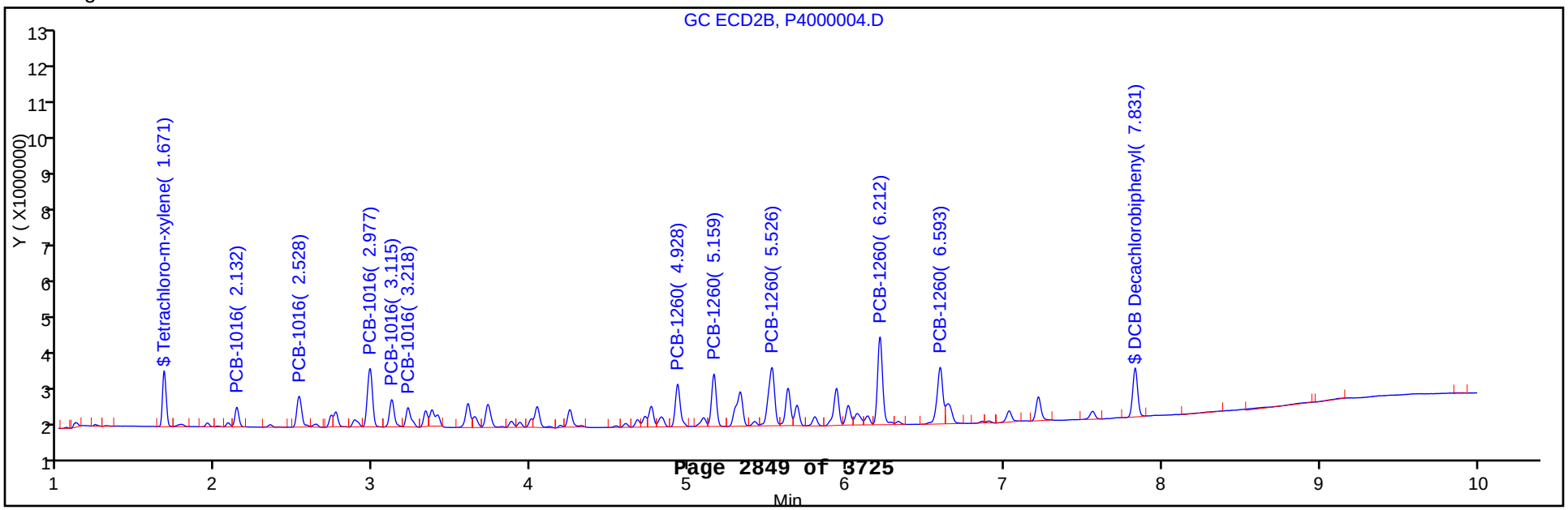
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000004.D

Injection Date:	02-Jan-2013 14:28:21	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-70882/4

Matrix: Solid Lab File ID: P4000004.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 01/02/2013 14:28

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70882 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0596		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0579		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	114		50-150
2051-24-3	DCB Decachlorobiphenyl	122		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000004.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	02-Jan-2013 14:28:21	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016346-004		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	4
Lims Batch ID:	70882	Lims Sample ID:	4
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m		
Last Update:	03-Jan-2013 07:16:40	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK037		

First Level Reviewer: hassl Date: 03-Jan-2013 06:58:47

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.268	1.268	0.000	3457529	0.002481			
2	2	1.671	1.672	-0.001	2574368	0.002847			
						RPD = 13.75			
3 PCB-1221									
1	2		1.400						
1	3		1.508						
1	4		1.537						
2	4		1.945						
2	5		2.076						
2	6		2.133						
4 PCB-1232									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.710						
2	6		2.133						
2	7		2.528						
2	8		2.977						
2	9		3.115						
2	10		3.725						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.708						
2	6		2.132						
2	7		2.527						
2	8		2.977						
2	9		3.116						
2	10		3.599						
6 PCB-1016									
1	100	1.539	1.538	0.001	1360183	0.0551		100.0	
1	2	1.821	1.820	0.001	2439620	0.0553	152.4- 202.4	179.4	
1	3	2.210	2.211	-0.001	4639456	0.0509	334.6- 384.6	341.1	
1	4	2.331	2.331	0.000	2016252	0.0499	125.4- 195.4	148.2	
1	5	2.711	2.710	0.001	2165913	0.0535	136.2- 186.2	159.2	
			Average of Peak Amounts =			0.0529			
2	6	2.132	2.132	0.000	978399	0.0619		100.0	
2	7	2.528	2.527	0.001	1933699	0.0615	169.0- 229.0	197.6	
2	8	2.977	2.977	0.000	3713814	0.0588	361.2- 421.2	379.6	
2	9	3.115	3.116	-0.001	1634199	0.0592	144.4- 204.4	167.0	
2	10	3.218	3.218	0.000	1242776	0.0569	108.9- 168.9	127.0	
			Average of Peak Amounts =			0.0596			
						RPD = 11.99			
7 PCB-1248									
1	86		1.819						
1	2		2.209						
1	3		2.710						
1	4		3.285						
1	5		3.719						
2	6		2.526						
2	7		2.976						
2	8		3.725						
2	9		3.999						
2	10		4.721						
8 PCB-1254									
1	100		3.072						
1	2		3.719						
1	3		4.000						
1	4		4.192						
1	5		4.475						
2	6		4.246						
2	7		4.722						
2	8		4.965						
2	9		5.327						
2	10		5.530						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.908	3.908	0.000	3261477	0.0550		100.0	
1	2	4.194	4.193	0.001	5804358	0.0540	156.3- 206.3	178.0	
1	3	4.475	4.473	0.002	5783888	0.0525	159.6- 209.6	177.3	
1	4	5.174	5.173	0.001	6447073	0.0517	183.4- 233.4	197.7	
1	5	5.459	5.457	0.002	3444130	0.0518	87.0- 137.0	105.6	
			Average of Peak Amounts =			0.0530			
2	6	4.928	4.928	0.000	2659616	0.0584		100.0	
2	7	5.159	5.158	0.001	3124260	0.0572	86.9- 146.9	117.5	
2	8	5.526	5.525	0.001	4597349	0.0570	145.2- 205.2	172.9	
2	9	6.212	6.212	0.000	5659037	0.0585	177.4- 237.4	212.8	
2	10	6.593	6.592	0.001	4185177	0.0583	125.7- 185.7	157.4	
			Average of Peak Amounts =			0.0579			
						RPD = 8.81			
9 PCB-1262									
1	100		4.195						
1	2		4.599						
1	3		4.845						
1	4		5.174						
1	5		5.550						
2	6		5.158						
2	7		5.628						
2	8		5.936						
2	9		6.211						
2	10		6.591						
11 PCB-1268									
1	100		5.507						
1	2		5.545						
1	3		5.746						
1	4		6.121						
1	5		6.420						
2	6		6.590						
2	7		6.638						
2	8		6.903						
2	9		7.217						
2	10		7.560						
$ 12 DCB Decachlorobiphenyl									
1	100	6.616	6.616	0.000	3663878	0.002819			
2	2	7.831	7.827	0.004	3024273	0.003051			
						RPD = 7.92			

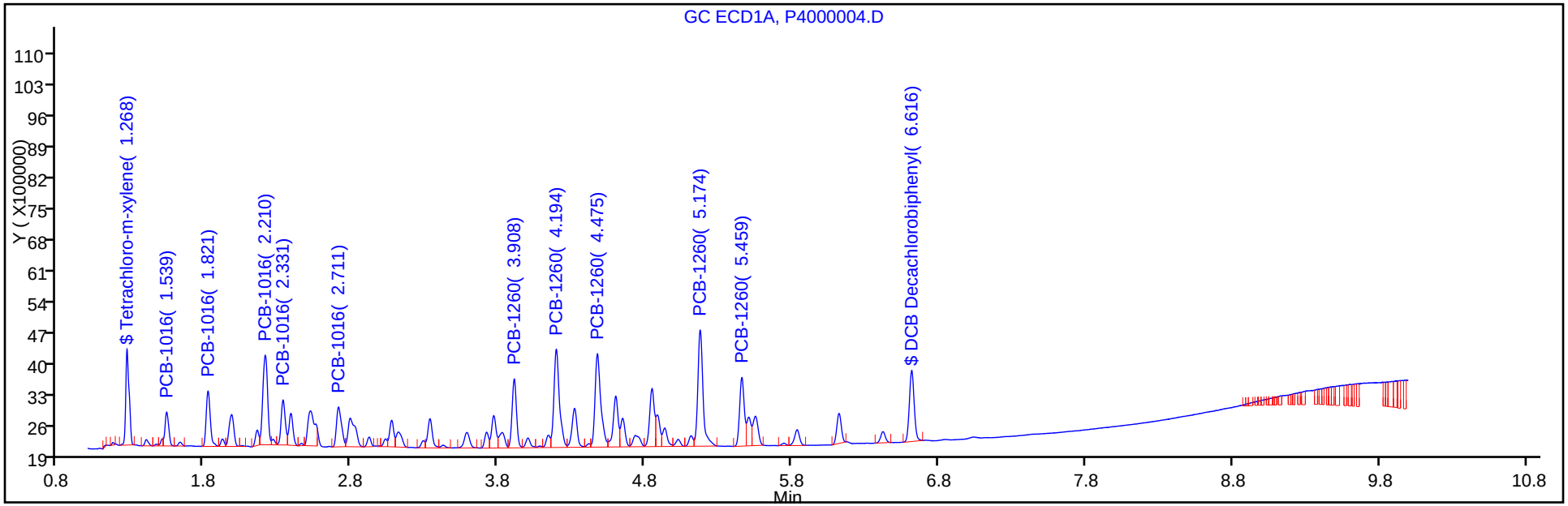
Report Date: 03-Jan-2013 07:16:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

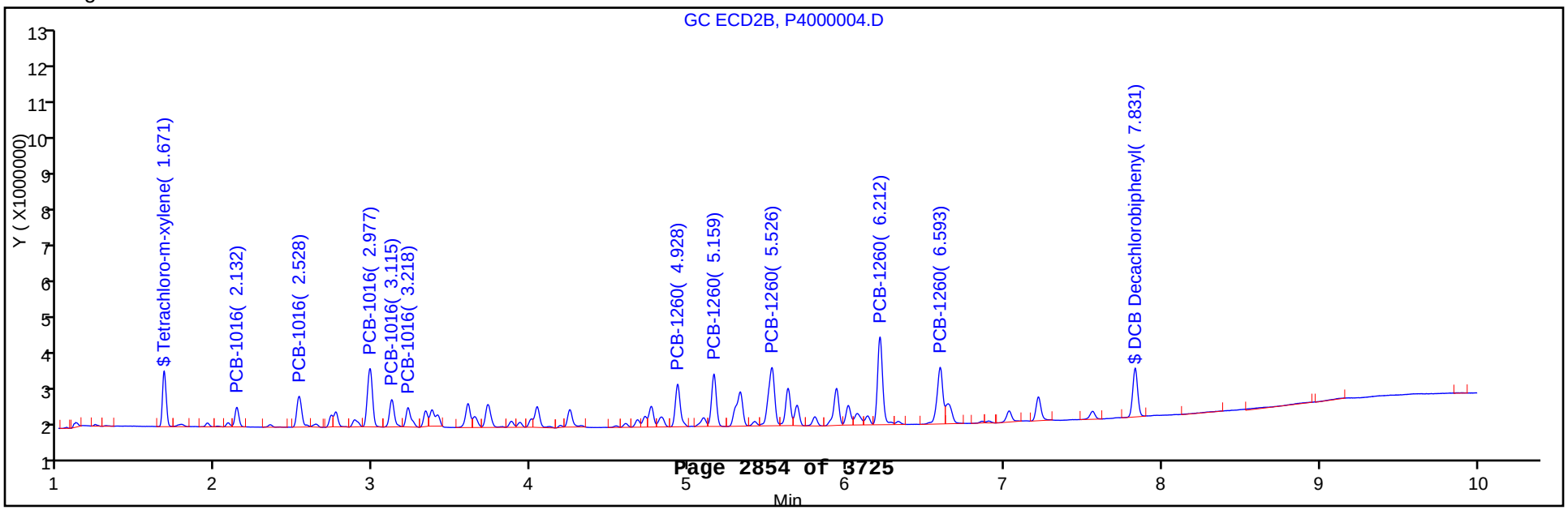
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000004.D

Injection Date:	02-Jan-2013 14:28:21	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-70882/27

Matrix: Solid | Lab File ID: P4000027.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 01/02/2013 20:29

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70882 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0525*		*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0459*	*J*	*0.050*	0.00020	*0.017*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		50-150
2051-24-3	DCB Decachlorobiphenyl	0	*Q* ^	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000027.D
Lims ID: MRL Client ID:
Inject. Date: 02-Jan-2013 20:29:44 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016346-027
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 27
Lims Batch ID: 70882 Lims Sample ID: 27
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m
Last Update: 03-Jan-2013 07:17:25 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK037

First Level Reviewer: hassl Date: 03-Jan-2013 07:12:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	3648412	0.002618			
2	2	1.675	1.675	0.000	2635566	0.002915			
						RPD = 10.74			
3 PCB-1221									
1	2		1.400						
1	3		1.508						
1	4		1.537						
2	4		1.945						
2	5		2.076						
2	6		2.133						
4 PCB-1232									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.710						
2	6		2.133						
2	7		2.528						
2	8		2.977						
2	9		3.115						
2	10		3.725						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.708						
2	6		2.132						
2	7		2.527						
2	8		2.977						
2	9		3.116						
2	10		3.599						
6 PCB-1016									
1	100	1.541	1.542	-0.001	1374436	0.0556		100.0	
1	2	1.823	1.825	-0.002	2451363	0.0555	152.4- 202.4	178.4	
1	3	2.214	2.215	-0.001	4669785	0.0512	334.6- 384.6	339.8	
1	4	2.334	2.335	-0.001	1893603	0.0468	125.4- 195.4	137.8	
1	5	2.713	2.713	0.000	2166821	0.0535	136.2- 186.2	157.7	
			Average of Peak Amounts =			0.0525			
2	6	2.136	2.136	0.000	997514	0.0631		100.0	
2	7	2.531	2.531	0.000	1980867	0.0630	169.0- 229.0	198.6	
2	8	2.981	2.981	0.000	3835038	0.0607	361.2- 421.2	384.5	
2	9	3.119	3.119	0.000	1715290	0.0621	144.4- 204.4	172.0	
2	10	3.221	3.222	-0.001	1260158	0.0577	108.9- 168.9	126.3	
			Average of Peak Amounts =			0.0613			
						RPD = 15.43			
7 PCB-1248									
1	86		1.819						
1	2		2.209						
1	3		2.710						
1	4		3.285						
1	5		3.719						
2	6		2.526						
2	7		2.976						
2	8		3.725						
2	9		3.999						
2	10		4.721						
8 PCB-1254									
1	100		3.072						
1	2		3.719						
1	3		4.000						
1	4		4.192						
1	5		4.475						
2	6		4.246						
2	7		4.722						
2	8		4.965						
2	9		5.327						
2	10		5.530						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.911	3.911	0.000	3010758	0.0507		100.0	
1	2	4.197	4.197	0.000	5276764	0.0491	156.3- 206.3	175.3	
1	3	4.476	4.478	-0.002	5112866	0.0464	159.6- 209.6	169.8	
1	4	5.178	5.178	0.000	5134932	0.0412	183.4- 233.4	170.6	
1	5	5.462	5.462	0.000	2783943	0.0419	87.0- 137.0	92.5	
			Average of Peak Amounts =			0.0459			
2	6	4.931	4.931	0.000	2148044	0.0472		100.0	
2	7	5.161	5.161	0.000	2330265	0.0427	86.9- 146.9	108.5	
2	8	5.528	5.530	-0.002	3343334	0.0415	145.2- 205.2	155.6	
2	9	6.215	6.214	0.001	3924283	0.0405	177.4- 237.4	182.7	
2	10	6.596	6.595	0.001	2792096	0.0389	125.7- 185.7	130.0	
			Average of Peak Amounts =			0.0422			
						RPD = 8.43			
9 PCB-1262									
1	100		4.195						
1	2		4.599						
1	3		4.845						
1	4		5.174						
1	5		5.550						
2	6		5.158						
2	7		5.628						
2	8		5.936						
2	9		6.211						
2	10		6.591						
11 PCB-1268									
1	100		5.507						
1	2		5.545						
1	3		5.746						
1	4		6.121						
1	5		6.420						
2	6		6.590						
2	7		6.638						
2	8		6.903						
2	9		7.217						
2	10		7.560						
$ 12 DCB Decachlorobiphenyl									
1	100		6.620						
2	2		7.832						

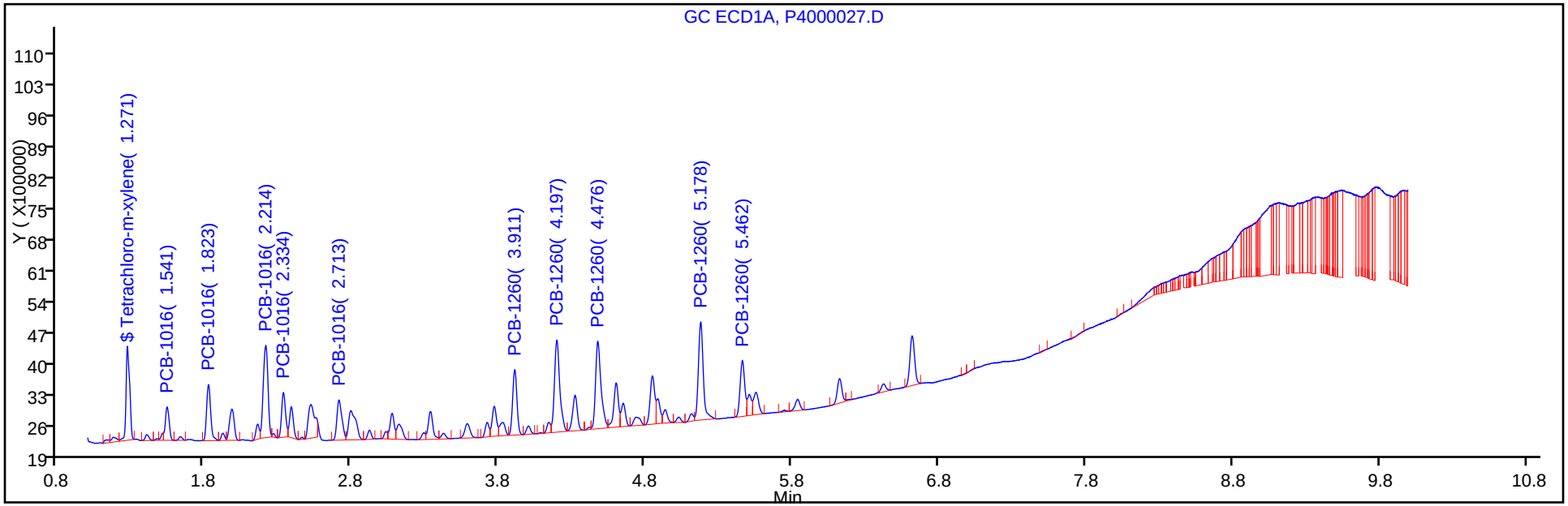
Report Date: 03-Jan-2013 07:17:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

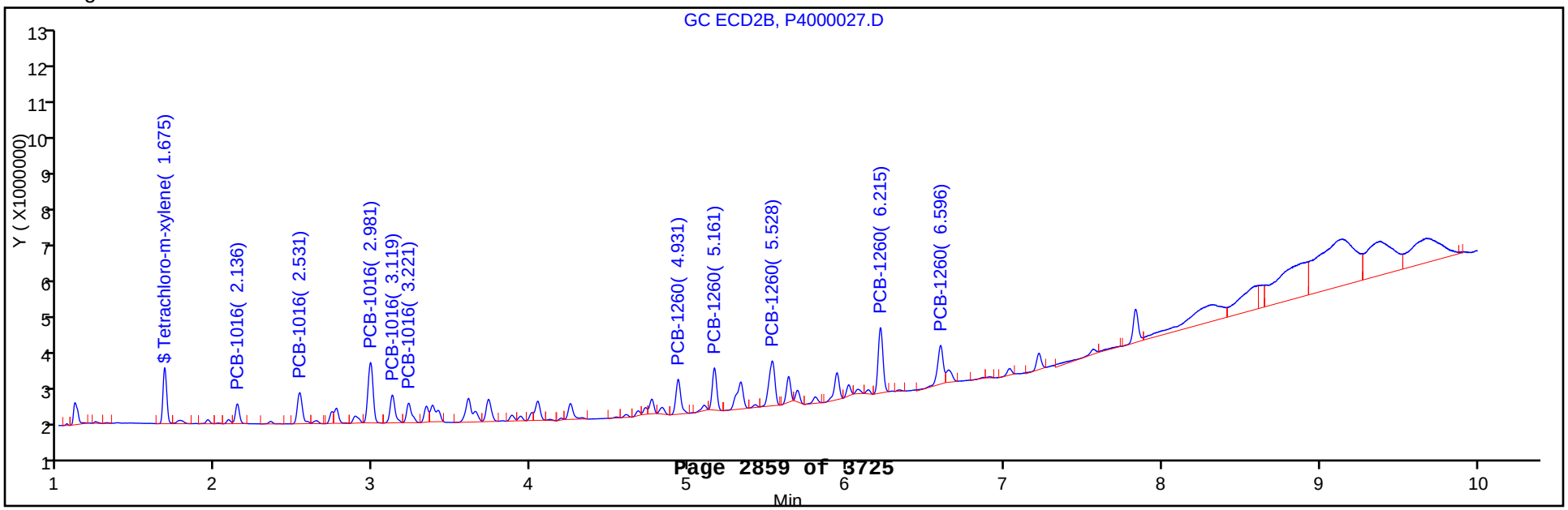
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000027.D

Injection Date:	02-Jan-2013 20:29:44	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-70882/27

Matrix: Solid Lab File ID: P4000027.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 01/02/2013 20:29

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70882 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0613		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0422	J	0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	117		50-150
2051-24-3	DCB Decachlorobiphenyl	0	Q ^	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000027.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	02-Jan-2013 20:29:44	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016346-027		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	27
Lims Batch ID:	70882	Lims Sample ID:	27
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20130102-16346.b\PCB4.m		
Last Update:	03-Jan-2013 07:17:25	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK037		

First Level Reviewer: hassl Date: 03-Jan-2013 07:12:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.271	0.000	3648412	0.002618			
2	2	1.675	1.675	0.000	2635566	0.002915			
						RPD = 10.74			
3 PCB-1221									
1	2		1.400						
1	3		1.508						
1	4		1.537						
2	4		1.945						
2	5		2.076						
2	6		2.133						
4 PCB-1232									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.710						
2	6		2.133						
2	7		2.528						
2	8		2.977						
2	9		3.115						
2	10		3.725						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.537						
1	2		1.820						
1	3		2.211						
1	4		2.331						
1	5		2.708						
2	6		2.132						
2	7		2.527						
2	8		2.977						
2	9		3.116						
2	10		3.599						
6 PCB-1016									
1	100	1.541	1.542	-0.001	1374436	0.0556		100.0	
1	2	1.823	1.825	-0.002	2451363	0.0555	152.4- 202.4	178.4	
1	3	2.214	2.215	-0.001	4669785	0.0512	334.6- 384.6	339.8	
1	4	2.334	2.335	-0.001	1893603	0.0468	125.4- 195.4	137.8	
1	5	2.713	2.713	0.000	2166821	0.0535	136.2- 186.2	157.7	
			Average of Peak Amounts =			0.0525			
2	6	2.136	2.136	0.000	997514	0.0631		100.0	
2	7	2.531	2.531	0.000	1980867	0.0630	169.0- 229.0	198.6	
2	8	2.981	2.981	0.000	3835038	0.0607	361.2- 421.2	384.5	
2	9	3.119	3.119	0.000	1715290	0.0621	144.4- 204.4	172.0	
2	10	3.221	3.222	-0.001	1260158	0.0577	108.9- 168.9	126.3	
			Average of Peak Amounts =			0.0613			
						RPD = 15.43			
7 PCB-1248									
1	86		1.819						
1	2		2.209						
1	3		2.710						
1	4		3.285						
1	5		3.719						
2	6		2.526						
2	7		2.976						
2	8		3.725						
2	9		3.999						
2	10		4.721						
8 PCB-1254									
1	100		3.072						
1	2		3.719						
1	3		4.000						
1	4		4.192						
1	5		4.475						
2	6		4.246						
2	7		4.722						
2	8		4.965						
2	9		5.327						
2	10		5.530						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.911	3.911	0.000	3010758	0.0507		100.0	
1	2	4.197	4.197	0.000	5276764	0.0491	156.3- 206.3	175.3	
1	3	4.476	4.478	-0.002	5112866	0.0464	159.6- 209.6	169.8	
1	4	5.178	5.178	0.000	5134932	0.0412	183.4- 233.4	170.6	
1	5	5.462	5.462	0.000	2783943	0.0419	87.0- 137.0	92.5	
			Average of Peak Amounts =			0.0459			
2	6	4.931	4.931	0.000	2148044	0.0472		100.0	
2	7	5.161	5.161	0.000	2330265	0.0427	86.9- 146.9	108.5	
2	8	5.528	5.530	-0.002	3343334	0.0415	145.2- 205.2	155.6	
2	9	6.215	6.214	0.001	3924283	0.0405	177.4- 237.4	182.7	
2	10	6.596	6.595	0.001	2792096	0.0389	125.7- 185.7	130.0	
			Average of Peak Amounts =			0.0422			
						RPD = 8.43			
9 PCB-1262									
1	100		4.195						
1	2		4.599						
1	3		4.845						
1	4		5.174						
1	5		5.550						
2	6		5.158						
2	7		5.628						
2	8		5.936						
2	9		6.211						
2	10		6.591						
11 PCB-1268									
1	100		5.507						
1	2		5.545						
1	3		5.746						
1	4		6.121						
1	5		6.420						
2	6		6.590						
2	7		6.638						
2	8		6.903						
2	9		7.217						
2	10		7.560						
$ 12 DCB Decachlorobiphenyl									
1	100		6.620						
2	2		7.832						

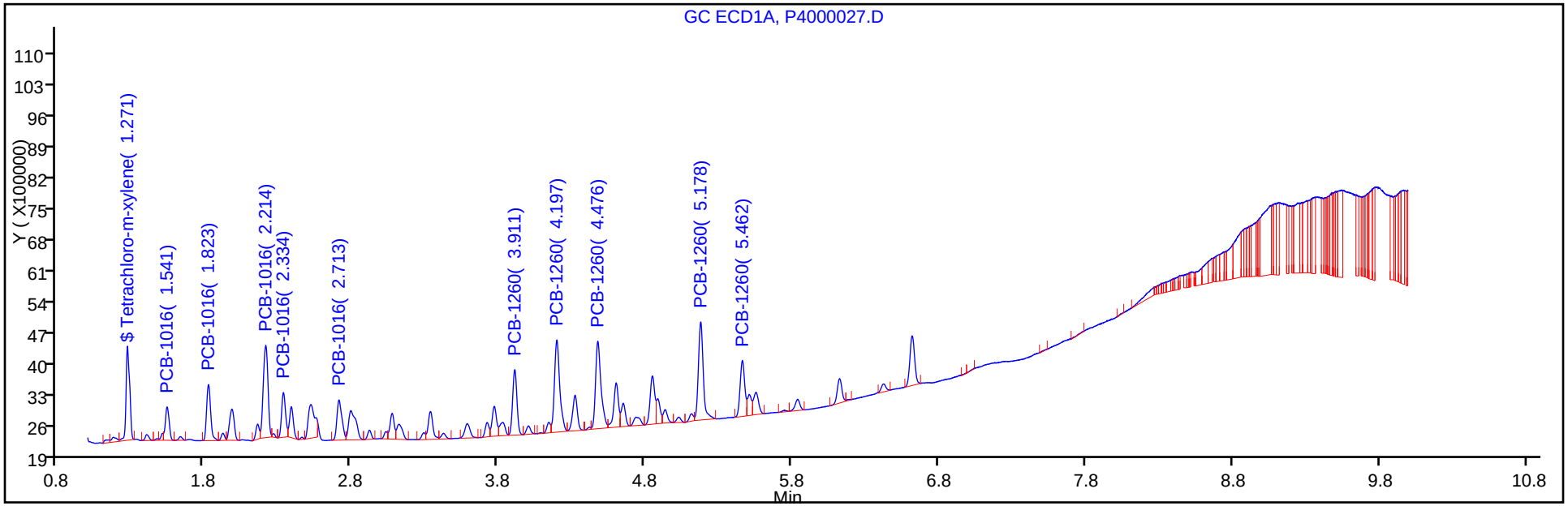
Report Date: 03-Jan-2013 07:17:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

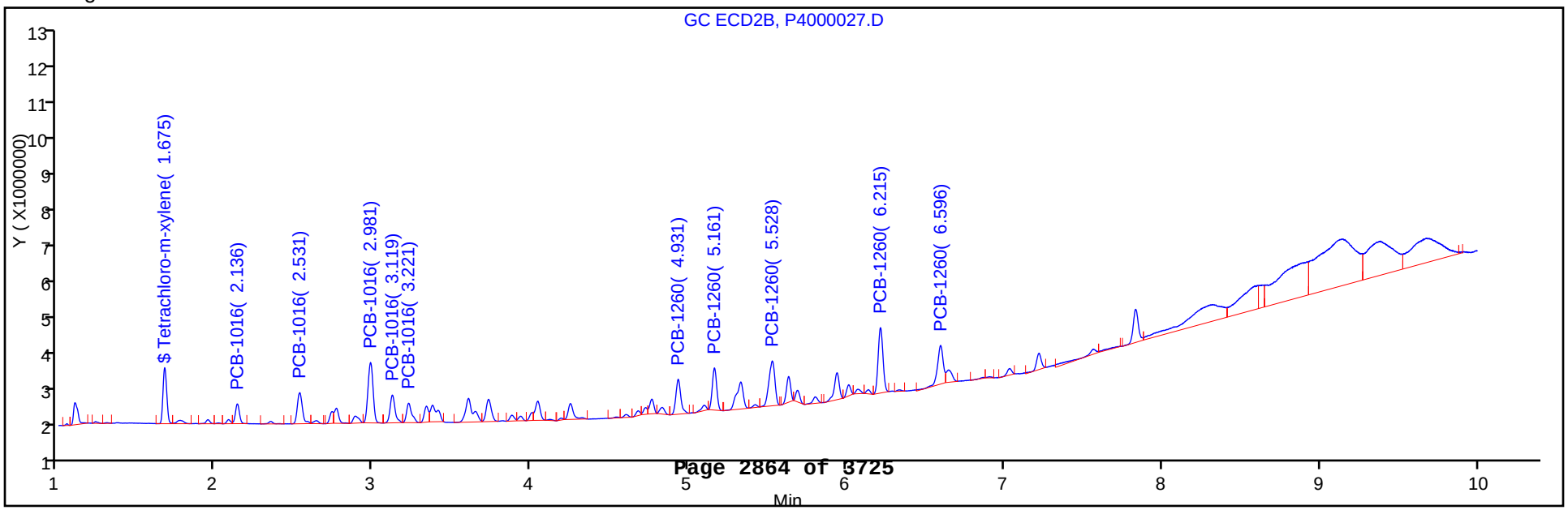
Data File: \\Ncchrom\ChromData\A2HP4\20130102-16346.b\P4000027.D

Injection Date:	02-Jan-2013 20:29:44	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70882	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-047M-0001-SO MS Lab Sample ID: 240-18581-6 MS

Matrix: Solid Lab File ID: P4000007.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:50

Extraction Method: 3540C Date Extracted: 12/26/2012 10:28

Sample wt/vol: 29.86(g) Date Analyzed: 12/29/2012 20:10

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U H	50	25	16
12674-11-2	Aroclor-1016	235	H	65	25	21
11141-16-5	Aroclor-1232	25	U H	45	25	14
53469-21-9	Aroclor-1242	25	U H	40	25	13
12672-29-6	Aroclor-1248	25	U H	55	25	17
11097-69-1	Aroclor-1254	25	U H	55	25	17
11096-82-5	Aroclor-1260	236	H	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	67		40-140
2051-24-3	DCB Decachlorobiphenyl	75		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000007.D
Lims ID: 240-18581-H-6-F MS Client ID:
Inject. Date: 29-Dec-2012 20:10:46 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0016267-007
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 7
Lims Batch ID: 70556 Lims Sample ID: 7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m
Last Update: 31-Dec-2012 09:24:09 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

First Level Reviewer: hassl Date: 31-Dec-2012 09:13:41

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	18580833	0.0133			
2	2	1.675	1.673	0.002	13449077	0.0149			
						RPD = 10.93			
3 PCB-1221									M
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									M
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									M
1	100	1.541	1.540	0.001	17001250	0.6882		100.0	M
1	2	1.825	1.822	0.003	31029490	0.7028	152.4- 202.4	182.5	
1	3	2.215	2.212	0.003	67042905	0.7349	334.6- 384.6	394.3	
1	4	2.335	2.333	0.002	28418830	0.7028	125.4- 195.4	167.2	
1	5	2.713	2.712	0.001	27688904	0.6836	136.2- 186.2	162.9	
			Average of Peak Amounts =			0.7025			
2	6	2.136	2.135	0.001	11198332	0.7084		100.0	
2	7	2.530	2.529	0.001	24500632	0.7793	169.0- 229.0	218.8	
2	8	2.980	2.980	0.000	52947177	0.8378	361.2- 421.2	472.8	
2	9	3.120	3.118	0.002	21825181	0.7906	144.4- 204.4	194.9	
2	10	3.222	3.220	0.002	17279873	0.7910	108.9- 168.9	154.3	
			Average of Peak Amounts =			0.7814			
						RPD = 10.64			
5 PCB-1242									M
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.910	3.910	0.000	40702400	0.6859		100.0	
1	2	4.196	4.197	-0.001	74726961	0.6958	156.3- 206.3	183.6	
1	3	4.476	4.476	0.000	78502012	0.7119	159.6- 209.6	192.9	
1	4	5.177	5.177	0.000	91479072	0.7342	183.4- 233.4	224.8	
1	5	5.460	5.461	-0.001	46164079	0.6941	87.0- 137.0	113.4	
			Average of Peak Amounts =			0.7044			
2	6	4.932	4.930	0.002	34424850	0.7561		100.0	
2	7	5.160	5.160	0.000	41590326	0.7620	86.9- 146.9	120.8	
2	8	5.528	5.527	0.001	64500207	0.7998	145.2- 205.2	187.4	
2	9	6.215	6.213	0.002	82831827	0.8558	177.4- 237.4	240.6	
2	10	6.595	6.594	0.001	58714430	0.8177	125.7- 185.7	170.6	
			Average of Peak Amounts =			0.7983			
						RPD = 12.50			
9 PCB-1262									
1	100		4.198						
1	2		4.603						
1	3		4.849						
1	4		5.177						
1	5		5.552						
2	6		5.161						
2	7		5.632						
2	8		5.939						
2	9		6.215						
2	10		6.593						
11 PCB-1268									
1	100		5.510						
1	2		5.548						
1	3		5.748						
1	4		6.124						
1	5		6.424						
2	6		6.592						
2	7		6.639						
2	8		6.905						
2	9		7.219						
2	10		7.563						
$ 12 DCB Decachlorobiphenyl									
1	100	6.619	6.619	0.000	19591446	0.0151			
2	2	7.832	7.832	0.000	16009702	0.0162			
						RPD = 6.91			

QC Flag Legend

Review Flags
M - Manually Integrated

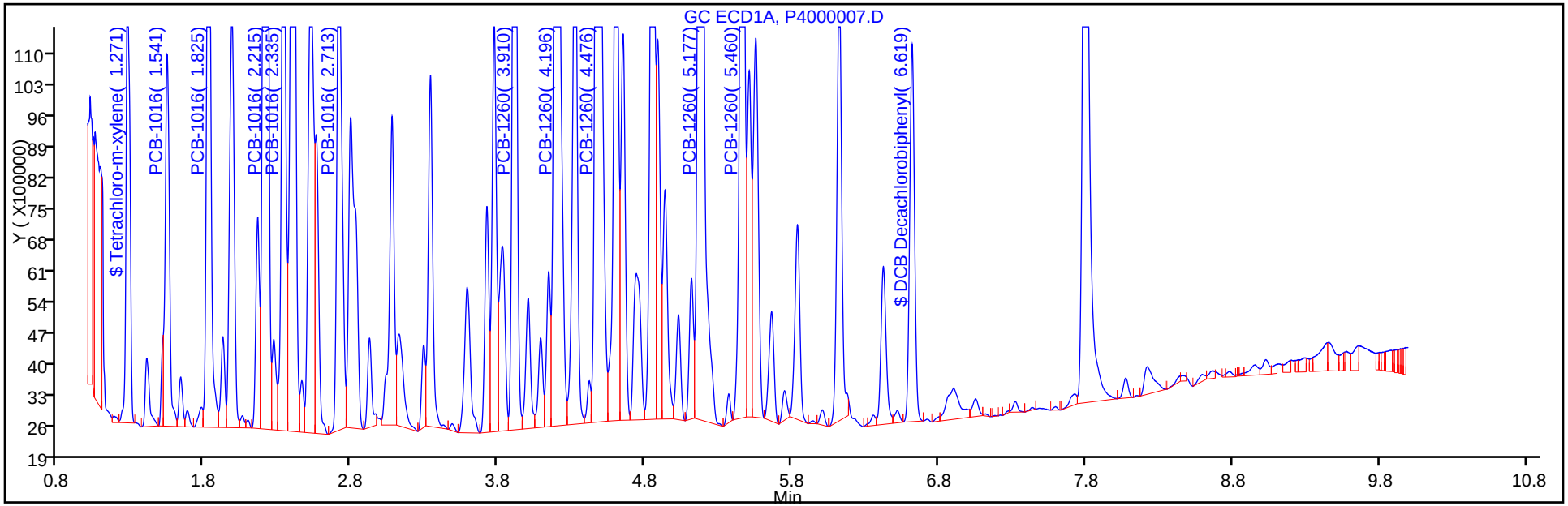
Report Date: 31-Dec-2012 09:24:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

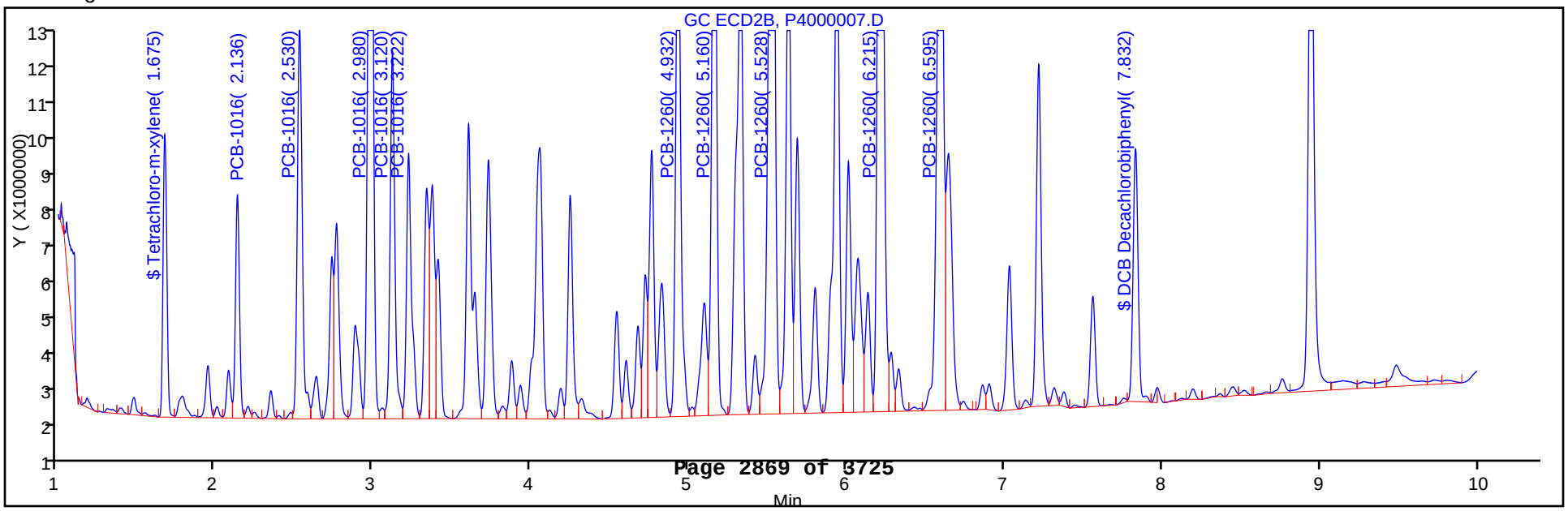
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000007.D

Injection Date:	29-Dec-2012 20:10:46	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



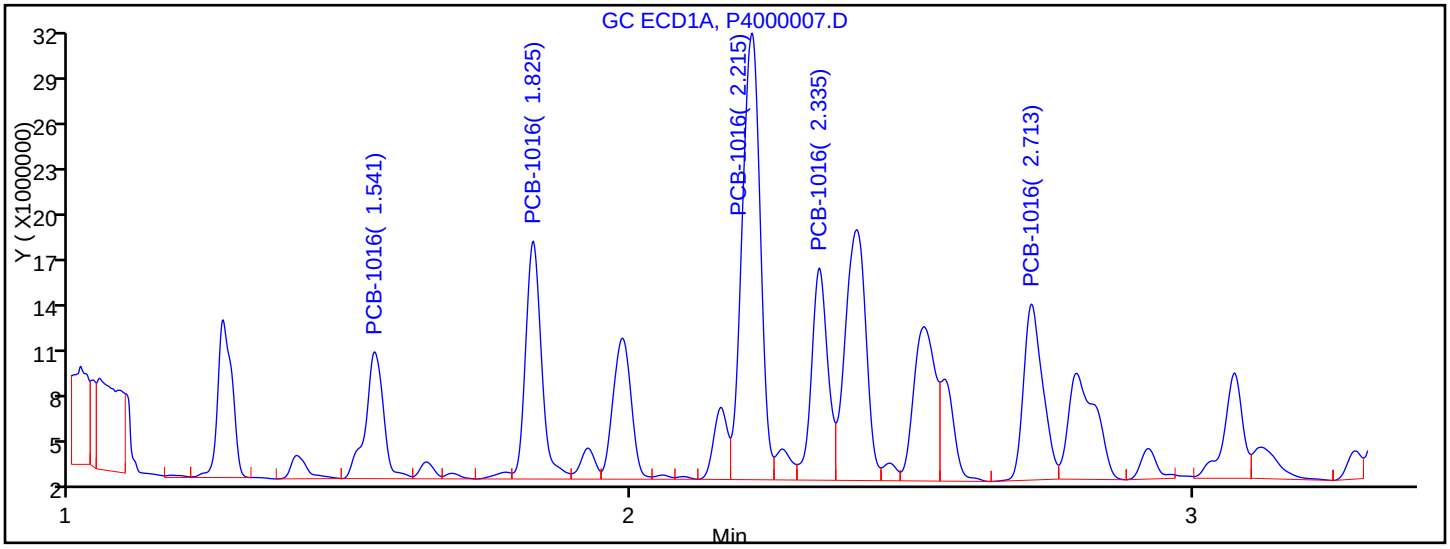
Report Date: 31-Dec-2012 09:24:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000007.D

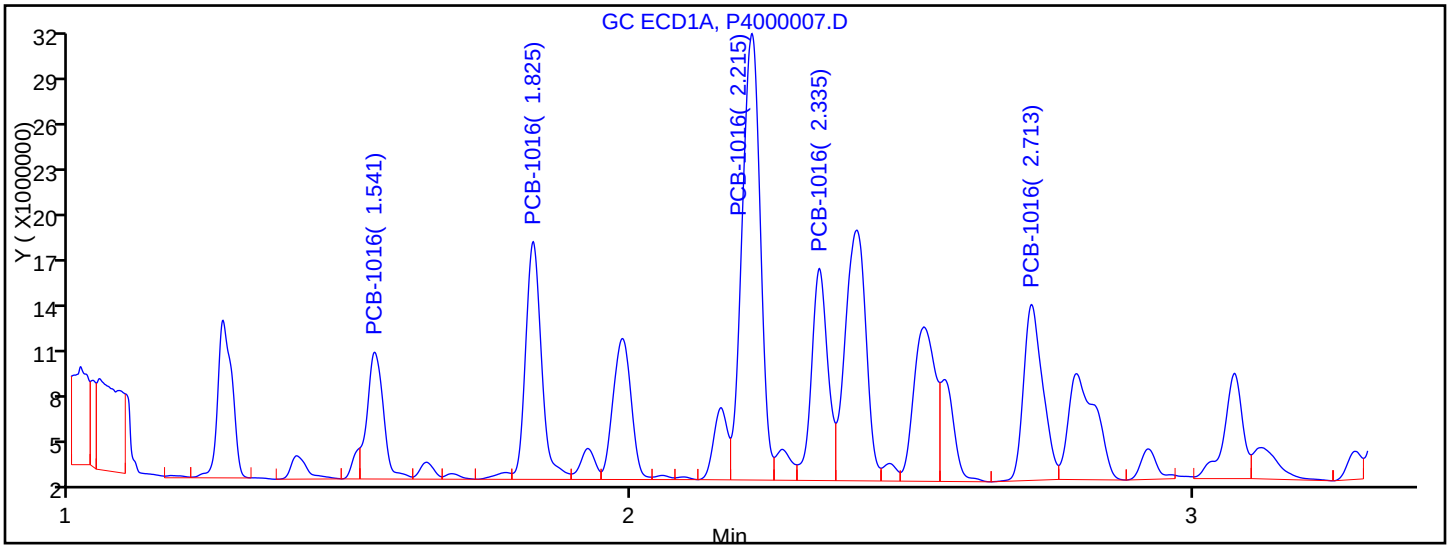
Injection Date:	29-Dec-2012 20:10:46	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.541	Response = 18765352	M
RT = 1.825	Response = 31029490	
RT = 2.215	Response = 67042905	
RT = 2.335	Response = 28418830	
RT = 2.713	Response = 27688904	



Manual Integration Results

RT = 1.541	Response = 17001250	M
RT = 1.825	Response = 31029490	
RT = 2.215	Response = 67042905	
RT = 2.335	Response = 28418830	
RT = 2.713	Response = 27688904	

Reviewer: hassl, 31-Dec-2012 09:13:41

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-047M-0001-SO MS Lab Sample ID: 240-18581-6 MS

Matrix: Solid Lab File ID: P4000007.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:50

Extraction Method: 3540C Date Extracted: 12/26/2012 10:28

Sample wt/vol: 29.86(g) Date Analyzed: 12/29/2012 20:10

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	74		40-140
2051-24-3	DCB Decachlorobiphenyl	81		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000007.D		
Lims ID:	240-18581-H-6-F MS	Client ID:	
Inject. Date:	29-Dec-2012 20:10:46	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	240-0016267-007		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	7
Lims Batch ID:	70556	Lims Sample ID:	7
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m		
Last Update:	31-Dec-2012 09:24:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		
First Level Reviewer: hassl		Date:	31-Dec-2012 09:13:41

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.271	1.270	0.001	18580833	0.0133			
2	2	1.675	1.673	0.002	13449077	0.0149			
						RPD = 10.93			
3 PCB-1221									M
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									M
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									M
1	100	1.541	1.540	0.001	17001250	0.6882		100.0	M
1	2	1.825	1.822	0.003	31029490	0.7028	152.4- 202.4	182.5	
1	3	2.215	2.212	0.003	67042905	0.7349	334.6- 384.6	394.3	
1	4	2.335	2.333	0.002	28418830	0.7028	125.4- 195.4	167.2	
1	5	2.713	2.712	0.001	27688904	0.6836	136.2- 186.2	162.9	
			Average of Peak Amounts =			0.7025			
2	6	2.136	2.135	0.001	11198332	0.7084		100.0	
2	7	2.530	2.529	0.001	24500632	0.7793	169.0- 229.0	218.8	
2	8	2.980	2.980	0.000	52947177	0.8378	361.2- 421.2	472.8	
2	9	3.120	3.118	0.002	21825181	0.7906	144.4- 204.4	194.9	
2	10	3.222	3.220	0.002	17279873	0.7910	108.9- 168.9	154.3	
			Average of Peak Amounts =			0.7814			
						RPD = 10.64			
5 PCB-1242									M
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.910	3.910	0.000	40702400	0.6859		100.0	
1	2	4.196	4.197	-0.001	74726961	0.6958	156.3- 206.3	183.6	
1	3	4.476	4.476	0.000	78502012	0.7119	159.6- 209.6	192.9	
1	4	5.177	5.177	0.000	91479072	0.7342	183.4- 233.4	224.8	
1	5	5.460	5.461	-0.001	46164079	0.6941	87.0- 137.0	113.4	
			Average of Peak Amounts =			0.7044			
2	6	4.932	4.930	0.002	34424850	0.7561		100.0	
2	7	5.160	5.160	0.000	41590326	0.7620	86.9- 146.9	120.8	
2	8	5.528	5.527	0.001	64500207	0.7998	145.2- 205.2	187.4	
2	9	6.215	6.213	0.002	82831827	0.8558	177.4- 237.4	240.6	
2	10	6.595	6.594	0.001	58714430	0.8177	125.7- 185.7	170.6	
			Average of Peak Amounts =			0.7983			
						RPD = 12.50			
9 PCB-1262									
1	100		4.198						
1	2		4.603						
1	3		4.849						
1	4		5.177						
1	5		5.552						
2	6		5.161						
2	7		5.632						
2	8		5.939						
2	9		6.215						
2	10		6.593						
11 PCB-1268									
1	100		5.510						
1	2		5.548						
1	3		5.748						
1	4		6.124						
1	5		6.424						
2	6		6.592						
2	7		6.639						
2	8		6.905						
2	9		7.219						
2	10		7.563						
$ 12 DCB Decachlorobiphenyl									
1	100	6.619	6.619	0.000	19591446	0.0151			
2	2	7.832	7.832	0.000	16009702	0.0162			
						RPD = 6.91			

QC Flag Legend

Review Flags
M - Manually Integrated

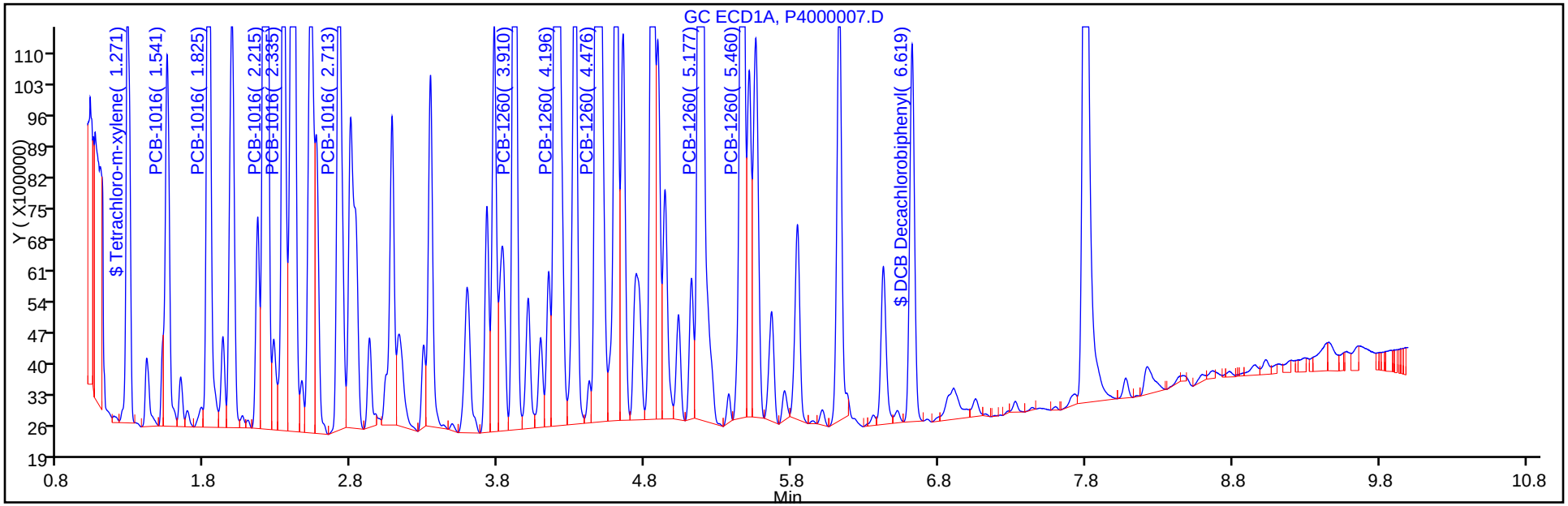
Report Date: 31-Dec-2012 09:24:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

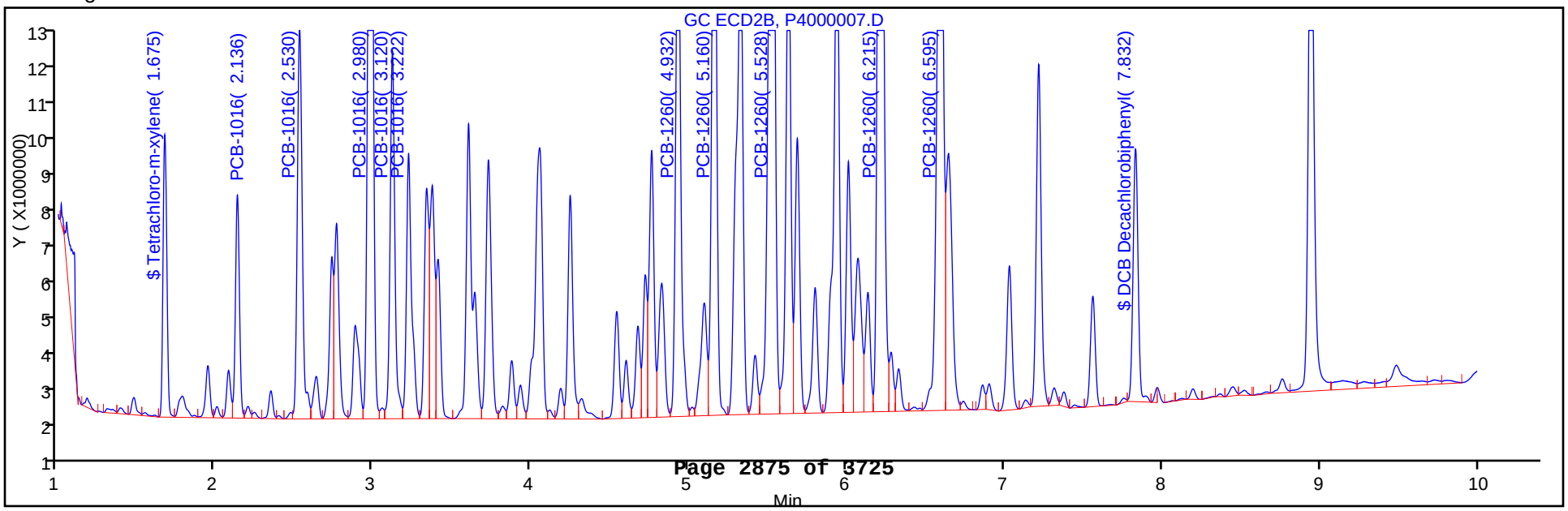
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000007.D

Injection Date:	29-Dec-2012 20:10:46	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-047M-0001-SO MSD | Lab Sample ID: 240-18581-6 MSD

Matrix: Solid | Lab File ID: P4000008.D

Analysis Method: 8082/DOD | Date Collected: 12/07/2012 10:50

Extraction Method: 3540C | Date Extracted: 12/26/2012 10:28

Sample wt/vol: 29.65(g) | Date Analyzed: 12/29/2012 20:26

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U H	51	25	16
12674-11-2	Aroclor-1016	204	H	66	25	21
11141-16-5	Aroclor-1232	25	U H	46	25	14
53469-21-9	Aroclor-1242	25	U H	40	25	13
12672-29-6	Aroclor-1248	25	U H	56	25	17
11097-69-1	Aroclor-1254	25	U H	56	25	17
11096-82-5	Aroclor-1260	206	H	56	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	60		40-140
2051-24-3	DCB Decachlorobiphenyl	59	Q	60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000008.D		
Lims ID:	240-18581-H-6-G MSD	Client ID:	
Inject. Date:	29-Dec-2012 20:26:29	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	240-0016267-008		
Misc. Info.:			
Operator:		Instrument ID:	A2HP4
Injection Vol:	1.0 uL	ALS Bottle#:	8
Lims Batch ID:	70556	Lims Sample ID:	8
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m		
Last Update:	31-Dec-2012 09:24:09	Calib Date:	04-Dec-2012 19:18:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK033		
First Level Reviewer: hassl		Date:	31-Dec-2012 09:13:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	16657194	0.0120			
2	2	1.673	1.673	0.000	11470262	0.0127			
						RPD = 5.96			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100	1.540	1.540	0.000	14164359	0.5734		100.0	
1	2	1.822	1.822	0.000	26560997	0.6016	152.4- 202.4	187.5	
1	3	2.213	2.212	0.001	59059752	0.6474	334.6- 384.6	417.0	
1	4	2.333	2.333	0.000	24642453	0.6094	125.4- 195.4	174.0	
1	5	2.712	2.712	0.000	23989630	0.5923	136.2- 186.2	169.4	
			Average of Peak Amounts =			0.6048			
2	6	2.134	2.135	-0.001	9653873	0.6107		100.0	
2	7	2.529	2.529	0.000	20951882	0.6664	169.0- 229.0	217.0	
2	8	2.980	2.980	0.000	46869421	0.7416	361.2- 421.2	485.5	
2	9	3.118	3.118	0.000	18801289	0.6810	144.4- 204.4	194.8	
2	10	3.221	3.220	0.001	14741581	0.6748	108.9- 168.9	152.7	
			Average of Peak Amounts =			0.6749			
						RPD = 10.95			
5 PCB-1242									
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.909	3.910	-0.001	35435880	0.5971		100.0	
1	2	4.196	4.197	-0.001	64837657	0.6037	156.3- 206.3	183.0	
1	3	4.477	4.476	0.001	67560125	0.6127	159.6- 209.6	190.7	
1	4	5.178	5.177	0.001	77780047	0.6243	183.4- 233.4	219.5	
1	5	5.461	5.461	0.000	40973450	0.6161	87.0- 137.0	115.6	
			Average of Peak Amounts =			0.6108			
2	6	4.930	4.930	0.000	29461926	0.6471		100.0	
2	7	5.160	5.160	0.000	34002953	0.6230	86.9- 146.9	115.4	
2	8	5.529	5.527	0.002	54228529	0.6724	145.2- 205.2	184.1	
2	9	6.214	6.213	0.001	67761019	0.7001	177.4- 237.4	230.0	
2	10	6.596	6.594	0.002	48214451	0.6715	125.7- 185.7	163.7	
			Average of Peak Amounts =			0.6628			
						RPD = 8.17			
9 PCB-1262									
1	100		4.198						
1	2		4.603						
1	3		4.849						
1	4		5.177						
1	5		5.552						
2	6		5.161						
2	7		5.632						
2	8		5.939						
2	9		6.215						
2	10		6.593						
11 PCB-1268									
1	100		5.510						
1	2		5.548						
1	3		5.748						
1	4		6.124						
1	5		6.424						
2	6		6.592						
2	7		6.639						
2	8		6.905						
2	9		7.219						
2	10		7.563						
$ 12 DCB Decachlorobiphenyl									
1	100	6.618	6.619	-0.001	15437402	0.0119			
2	2	7.832	7.832	0.000	12547678	0.0127			
						RPD = 6.38			

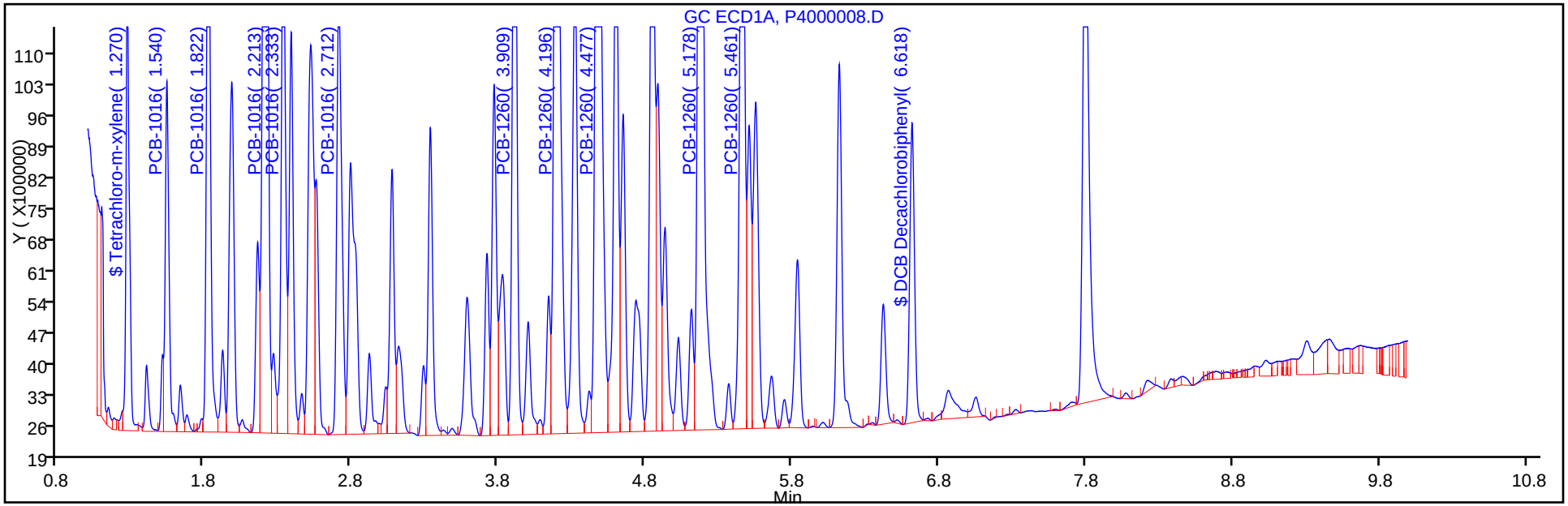
Report Date: 31-Dec-2012 09:24:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

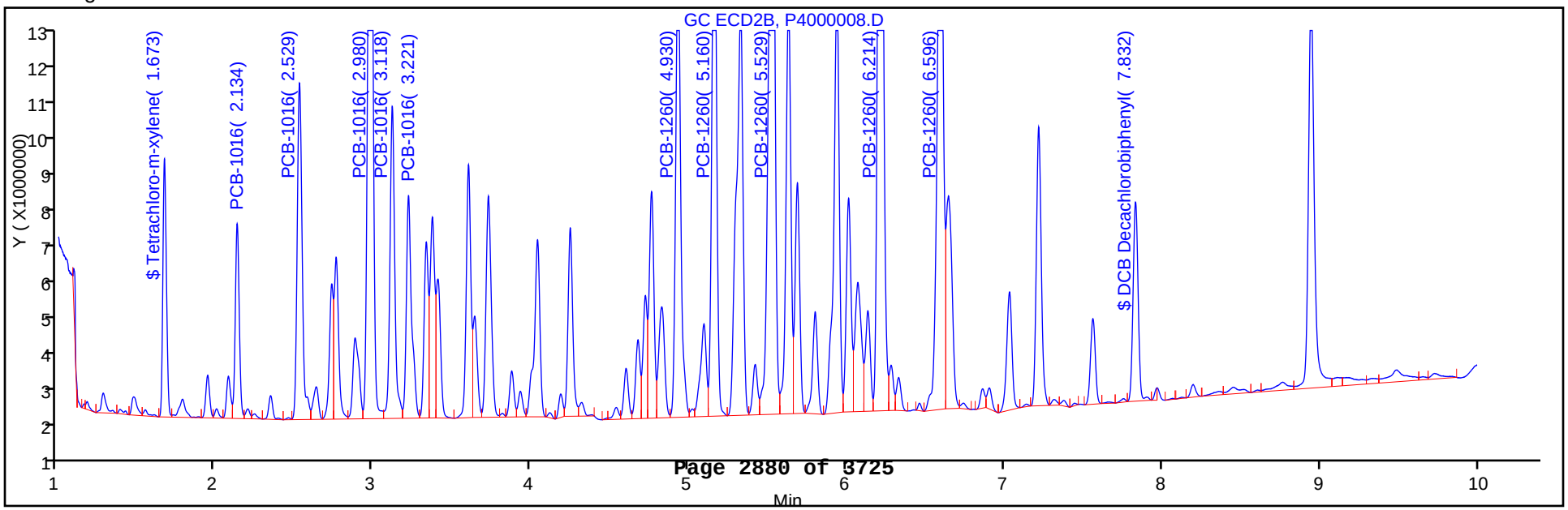
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000008.D

Injection Date:	29-Dec-2012 20:26:29	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-047M-0001-SO MSD Lab Sample ID: 240-18581-6 MSD

Matrix: Solid Lab File ID: P4000008.D

Analysis Method: 8082/DOD Date Collected: 12/07/2012 10:50

Extraction Method: 3540C Date Extracted: 12/26/2012 10:28

Sample wt/vol: 29.65(g) Date Analyzed: 12/29/2012 20:26

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 70556 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		40-140
2051-24-3	DCB Decachlorobiphenyl	63		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000008.D
Lims ID: 240-18581-H-6-G MSD Client ID:
Inject. Date: 29-Dec-2012 20:26:29 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0016267-008
Misc. Info.:
Operator: Instrument ID: A2HP4
Injection Vol: 1.0 uL ALS Bottle#: 8
Lims Batch ID: 70556 Lims Sample ID: 8
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\PCB4.m
Last Update: 31-Dec-2012 09:24:09 Calib Date: 04-Dec-2012 19:18:24
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP4\20121204-15497.b\P4000044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

First Level Reviewer: hassl Date: 31-Dec-2012 09:13:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.270	1.270	0.000	16657194	0.0120			
2	2	1.673	1.673	0.000	11470262	0.0127			
						RPD = 5.96			
3 PCB-1221									
1	2		1.401						
1	3		1.509						
1	4		1.539						
2	4		1.947						
2	5		2.078						
2	6		2.135						
4 PCB-1232									
1	100		1.538						
1	2		1.821						
1	3		2.212						
1	4		2.332						
1	5		2.711						
2	6		2.133						
2	7		2.528						
2	8		2.979						
2	9		3.117						
2	10		3.727						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									
1	100	1.540	1.540	0.000	14164359	0.5734		100.0	
1	2	1.822	1.822	0.000	26560997	0.6016	152.4- 202.4	187.5	
1	3	2.213	2.212	0.001	59059752	0.6474	334.6- 384.6	417.0	
1	4	2.333	2.333	0.000	24642453	0.6094	125.4- 195.4	174.0	
1	5	2.712	2.712	0.000	23989630	0.5923	136.2- 186.2	169.4	
			Average of Peak Amounts =			0.6048			
2	6	2.134	2.135	-0.001	9653873	0.6107		100.0	
2	7	2.529	2.529	0.000	20951882	0.6664	169.0- 229.0	217.0	
2	8	2.980	2.980	0.000	46869421	0.7416	361.2- 421.2	485.5	
2	9	3.118	3.118	0.000	18801289	0.6810	144.4- 204.4	194.8	
2	10	3.221	3.220	0.001	14741581	0.6748	108.9- 168.9	152.7	
			Average of Peak Amounts =			0.6749			
						RPD = 10.95			
5 PCB-1242									
1	100		1.540						
1	2		1.823						
1	3		2.213						
1	4		2.333						
1	5		2.713						
2	6		2.134						
2	7		2.529						
2	8		2.979						
2	9		3.118						
2	10		3.602						
7 PCB-1248									
1	86		1.820						
1	2		2.210						
1	3		2.711						
1	4		3.289						
1	5		3.721						
2	6		2.528						
2	7		2.978						
2	8		3.727						
2	9		4.001						
2	10		4.723						
8 PCB-1254									
1	100		3.075						
1	2		3.722						
1	3		4.003						
1	4		4.196						
1	5		4.478						
2	6		4.247						
2	7		4.723						
2	8		4.967						
2	9		5.327						
2	10		5.532						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	3.909	3.910	-0.001	35435880	0.5971		100.0	
1	2	4.196	4.197	-0.001	64837657	0.6037	156.3- 206.3	183.0	
1	3	4.477	4.476	0.001	67560125	0.6127	159.6- 209.6	190.7	
1	4	5.178	5.177	0.001	77780047	0.6243	183.4- 233.4	219.5	
1	5	5.461	5.461	0.000	40973450	0.6161	87.0- 137.0	115.6	
			Average of Peak Amounts =			0.6108			
2	6	4.930	4.930	0.000	29461926	0.6471		100.0	
2	7	5.160	5.160	0.000	34002953	0.6230	86.9- 146.9	115.4	
2	8	5.529	5.527	0.002	54228529	0.6724	145.2- 205.2	184.1	
2	9	6.214	6.213	0.001	67761019	0.7001	177.4- 237.4	230.0	
2	10	6.596	6.594	0.002	48214451	0.6715	125.7- 185.7	163.7	
			Average of Peak Amounts =			0.6628			
						RPD = 8.17			
9 PCB-1262									
1	100		4.198						
1	2		4.603						
1	3		4.849						
1	4		5.177						
1	5		5.552						
2	6		5.161						
2	7		5.632						
2	8		5.939						
2	9		6.215						
2	10		6.593						
11 PCB-1268									
1	100		5.510						
1	2		5.548						
1	3		5.748						
1	4		6.124						
1	5		6.424						
2	6		6.592						
2	7		6.639						
2	8		6.905						
2	9		7.219						
2	10		7.563						
$ 12 DCB Decachlorobiphenyl									
1	100	6.618	6.619	-0.001	15437402	0.0119			
2	2	7.832	7.832	0.000	12547678	0.0127			
						RPD = 6.38			

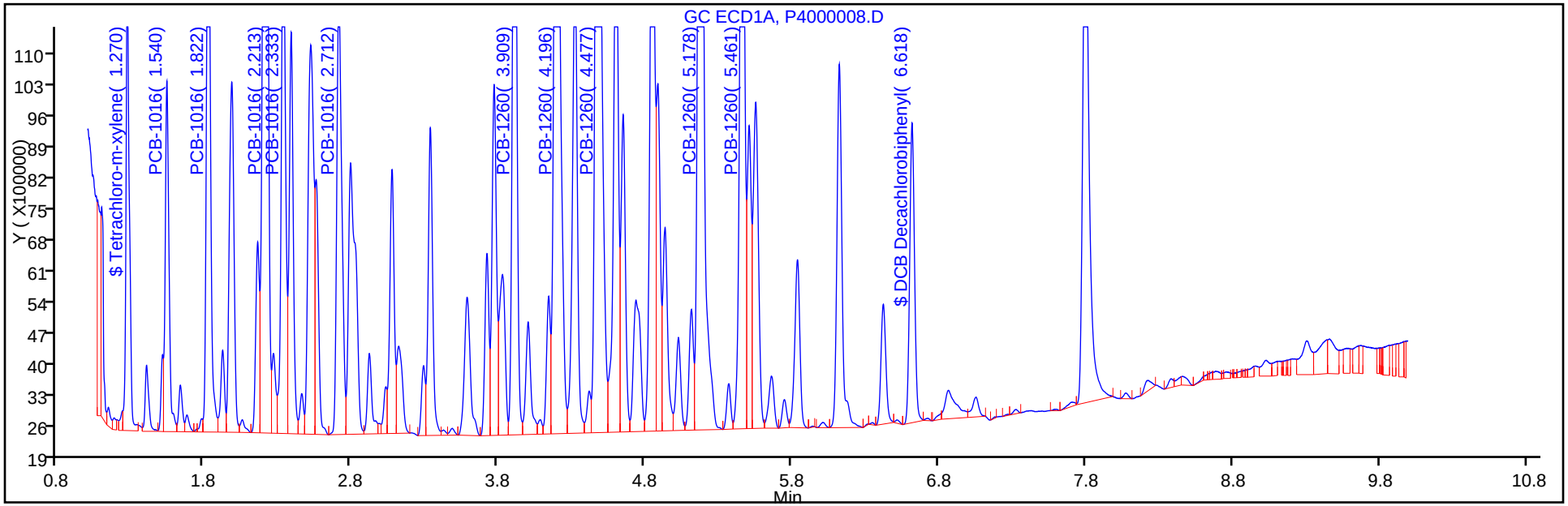
Report Date: 31-Dec-2012 09:24:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

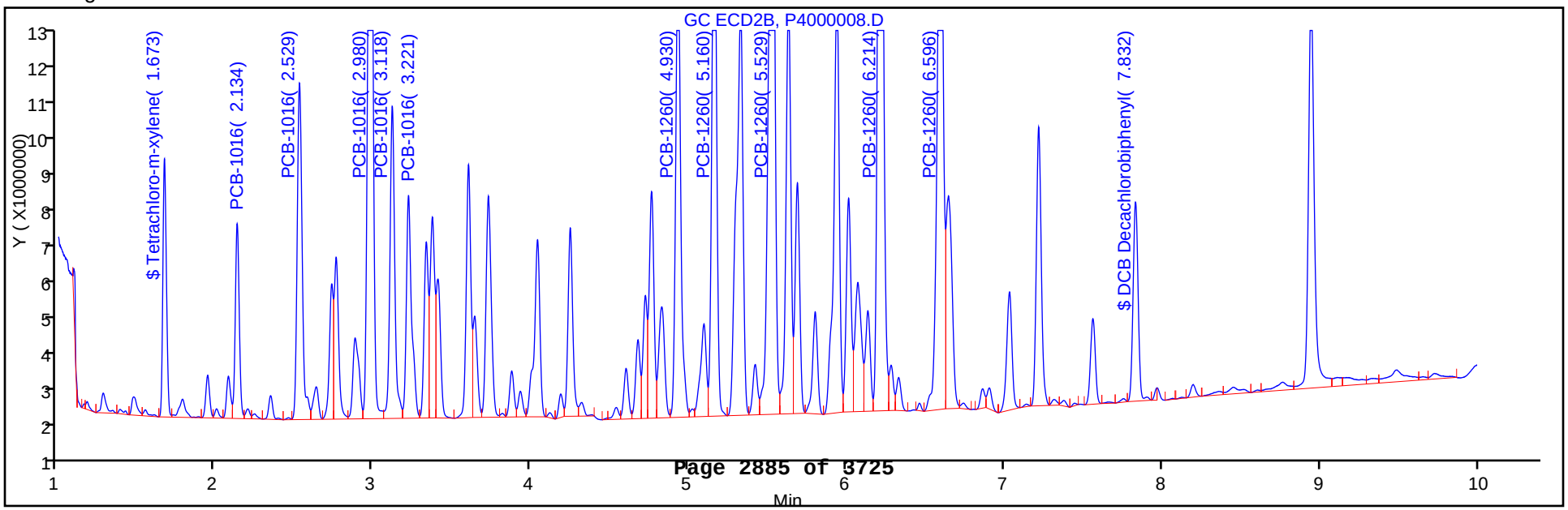
Data File: \\Ncchrom\ChromData\A2HP4\20121229-16267.b\P4000008.D

Injection Date:	29-Dec-2012 20:26:29	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP4
Lims Batch ID:	70556	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Start Date: 12/04/2012 08:26

Analysis Batch Number: 67207 End Date: 12/04/2012 21:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-67207/3 IC		12/04/2012 08:26	1	P4000003.D	CLP-1 0.53(mm)
STD005 240-67207/3 IC		12/04/2012 08:26	1	P4000003.D	CLP-2 0.53(mm)
STD01 240-67207/4 IC		12/04/2012 08:42	1	P4000004.D	CLP-1 0.53(mm)
STD01 240-67207/4 IC		12/04/2012 08:42	1	P4000004.D	CLP-2 0.53(mm)
STD02 240-67207/5 IC		12/04/2012 08:58	1	P4000005.D	CLP-1 0.53(mm)
STD02 240-67207/5 IC		12/04/2012 08:58	1	P4000005.D	CLP-2 0.53(mm)
STD05 240-67207/6 IC		12/04/2012 09:13	1	P4000006.D	CLP-1 0.53(mm)
STD05 240-67207/6 IC		12/04/2012 09:13	1	P4000006.D	CLP-2 0.53(mm)
STD1 240-67207/7 IC		12/04/2012 09:29	1	P4000007.D	CLP-1 0.53(mm)
STD1 240-67207/7 IC		12/04/2012 09:29	1	P4000007.D	CLP-2 0.53(mm)
STD2 240-67207/8 IC		12/04/2012 09:45	1	P4000008.D	CLP-1 0.53(mm)
STD2 240-67207/8 IC		12/04/2012 09:45	1	P4000008.D	CLP-2 0.53(mm)
STD005 240-67207/9 IC		12/04/2012 10:07	1	P4000009.D	CLP-1 0.53(mm)
STD005 240-67207/9 IC		12/04/2012 10:07	1	P4000009.D	CLP-2 0.53(mm)
STD01 240-67207/10 IC		12/04/2012 10:22	1	P4000010.D	CLP-1 0.53(mm)
STD01 240-67207/10 IC		12/04/2012 10:22	1	P4000010.D	CLP-2 0.53(mm)
STD02 240-67207/11 IC		12/04/2012 10:38	1	P4000011.D	CLP-1 0.53(mm)
STD02 240-67207/11 IC		12/04/2012 10:38	1	P4000011.D	CLP-2 0.53(mm)
STD05 240-67207/12 IC		12/04/2012 10:54	1	P4000012.D	CLP-1 0.53(mm)
STD05 240-67207/12 IC		12/04/2012 10:54	1	P4000012.D	CLP-2 0.53(mm)
STD1 240-67207/13 IC		12/04/2012 11:10	1	P4000013.D	CLP-1 0.53(mm)
STD1 240-67207/13 IC		12/04/2012 11:10	1	P4000013.D	CLP-2 0.53(mm)
STD2 240-67207/14 IC		12/04/2012 11:25	1	P4000014.D	CLP-1 0.53(mm)
STD2 240-67207/14 IC		12/04/2012 11:25	1	P4000014.D	CLP-2 0.53(mm)
STD005 240-67207/15 IC		12/04/2012 11:41	1	P4000015.D	CLP-1 0.53(mm)
STD005 240-67207/15 IC		12/04/2012 11:41	1	P4000015.D	CLP-2 0.53(mm)
STD01 240-67207/16 IC		12/04/2012 11:57	1	P4000016.D	CLP-1 0.53(mm)
STD01 240-67207/16 IC		12/04/2012 11:57	1	P4000016.D	CLP-2 0.53(mm)
STD02 240-67207/17 IC		12/04/2012 12:13	1	P4000017.D	CLP-1 0.53(mm)
STD02 240-67207/17 IC		12/04/2012 12:13	1	P4000017.D	CLP-2 0.53(mm)
STD05 240-67207/18 IC		12/04/2012 12:28	1	P4000018.D	CLP-1 0.53(mm)
STD05 240-67207/18 IC		12/04/2012 12:28	1	P4000018.D	CLP-2 0.53(mm)
STD1 240-67207/19 IC		12/04/2012 12:44	1	P4000019.D	CLP-1 0.53(mm)
STD1 240-67207/19 IC		12/04/2012 12:44	1	P4000019.D	CLP-2 0.53(mm)
STD2 240-67207/20 IC		12/04/2012 13:00	1	P4000020.D	CLP-1 0.53(mm)
STD2 240-67207/20 IC		12/04/2012 13:00	1	P4000020.D	CLP-2 0.53(mm)
STD005 240-67207/21 IC		12/04/2012 13:16	1	P4000021.D	CLP-1 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Start Date: 12/04/2012 08:26

Analysis Batch Number: 67207 End Date: 12/04/2012 21:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-67207/21 IC		12/04/2012 13:16	1	P4000021.D	CLP-2 0.53(mm)
STD01 240-67207/22 IC		12/04/2012 13:31	1	P4000022.D	CLP-1 0.53(mm)
STD01 240-67207/22 IC		12/04/2012 13:31	1	P4000022.D	CLP-2 0.53(mm)
STD02 240-67207/23 IC		12/04/2012 13:47	1	P4000023.D	CLP-1 0.53(mm)
STD02 240-67207/23 IC		12/04/2012 13:47	1	P4000023.D	CLP-2 0.53(mm)
STD05 240-67207/24 IC		12/04/2012 14:03	1	P4000024.D	CLP-1 0.53(mm)
STD05 240-67207/24 IC		12/04/2012 14:03	1	P4000024.D	CLP-2 0.53(mm)
STD1 240-67207/25 IC		12/04/2012 14:19	1	P4000025.D	CLP-1 0.53(mm)
STD1 240-67207/25 IC		12/04/2012 14:19	1	P4000025.D	CLP-2 0.53(mm)
STD2 240-67207/26 IC		12/04/2012 14:34	1	P4000026.D	CLP-1 0.53(mm)
STD2 240-67207/26 IC		12/04/2012 14:34	1	P4000026.D	CLP-2 0.53(mm)
STD005 240-67207/27 IC		12/04/2012 14:50	1	P4000027.D	CLP-1 0.53(mm)
STD005 240-67207/27 IC		12/04/2012 14:50	1	P4000027.D	CLP-2 0.53(mm)
STD01 240-67207/28 IC		12/04/2012 15:06	1	P4000028.D	CLP-1 0.53(mm)
STD01 240-67207/28 IC		12/04/2012 15:06	1	P4000028.D	CLP-2 0.53(mm)
STD02 240-67207/29 IC		12/04/2012 15:22	1	P4000029.D	CLP-1 0.53(mm)
STD02 240-67207/29 IC		12/04/2012 15:22	1	P4000029.D	CLP-2 0.53(mm)
STD05 240-67207/30 ICRT		12/04/2012 15:37	1	P4000030.D	CLP-1 0.53(mm)
STD05 240-67207/30 ICRT		12/04/2012 15:37	1	P4000030.D	CLP-2 0.53(mm)
STD1 240-67207/31 IC		12/04/2012 15:53	1	P4000031.D	CLP-1 0.53(mm)
STD1 240-67207/31 IC		12/04/2012 15:53	1	P4000031.D	CLP-2 0.53(mm)
STD2 240-67207/32 IC		12/04/2012 16:09	1	P4000032.D	CLP-1 0.53(mm)
STD2 240-67207/32 IC		12/04/2012 16:09	1	P4000032.D	CLP-2 0.53(mm)
STD005 240-67207/33 IC		12/04/2012 16:25	1		CLP-1 0.53(mm)
STD005 240-67207/33 IC		12/04/2012 16:25	1		CLP-2 0.53(mm)
STD01 240-67207/34 IC		12/04/2012 16:40	1		CLP-1 0.53(mm)
STD01 240-67207/34 IC		12/04/2012 16:40	1		CLP-2 0.53(mm)
STD02 240-67207/35 IC		12/04/2012 16:56	1		CLP-1 0.53(mm)
STD02 240-67207/35 IC		12/04/2012 16:56	1		CLP-2 0.53(mm)
STD05 240-67207/36 IC		12/04/2012 17:12	1		CLP-1 0.53(mm)
STD05 240-67207/36 IC		12/04/2012 17:12	1		CLP-2 0.53(mm)
STD1 240-67207/37 IC		12/04/2012 17:28	1		CLP-1 0.53(mm)
STD1 240-67207/37 IC		12/04/2012 17:28	1		CLP-2 0.53(mm)
STD2 240-67207/38 IC		12/04/2012 17:43	1		CLP-1 0.53(mm)
STD2 240-67207/38 IC		12/04/2012 17:43	1		CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Start Date: 12/04/2012 08:26

Analysis Batch Number: 67207 End Date: 12/04/2012 21:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-67207/39 IC		12/04/2012 17:59	1	P4000039.D	CLP-1 0.53(mm)
STD005 240-67207/39 IC		12/04/2012 17:59	1	P4000039.D	CLP-2 0.53(mm)
STD01 240-67207/40 IC		12/04/2012 18:15	1	P4000040.D	CLP-1 0.53(mm)
STD01 240-67207/40 IC		12/04/2012 18:15	1	P4000040.D	CLP-2 0.53(mm)
STD02 240-67207/41 IC		12/04/2012 18:31	1	P4000041.D	CLP-1 0.53(mm)
STD02 240-67207/41 IC		12/04/2012 18:31	1	P4000041.D	CLP-2 0.53(mm)
STD05 240-67207/42 IC		12/04/2012 18:46	1	P4000042.D	CLP-1 0.53(mm)
STD05 240-67207/42 IC		12/04/2012 18:46	1	P4000042.D	CLP-2 0.53(mm)
STD1 240-67207/43 IC		12/04/2012 19:02	1	P4000043.D	CLP-1 0.53(mm)
STD1 240-67207/43 IC		12/04/2012 19:02	1	P4000043.D	CLP-2 0.53(mm)
STD2 240-67207/44 IC		12/04/2012 19:18	1	P4000044.D	CLP-1 0.53(mm)
STD2 240-67207/44 IC		12/04/2012 19:18	1	P4000044.D	CLP-2 0.53(mm)
ICV 240-67207/45		12/04/2012 19:34	1	P4000045.D	CLP-1 0.53(mm)
ICV 240-67207/45		12/04/2012 19:34	1	P4000045.D	CLP-2 0.53(mm)
ICV 240-67207/46		12/04/2012 19:49	1	P4000046.D	CLP-1 0.53(mm)
ICV 240-67207/46		12/04/2012 19:49	1	P4000046.D	CLP-2 0.53(mm)
ICV 240-67207/47		12/04/2012 20:05	1	P4000047.D	CLP-1 0.53(mm)
ICV 240-67207/47		12/04/2012 20:05	1	P4000047.D	CLP-2 0.53(mm)
ICV 240-67207/48		12/04/2012 20:21	1	P4000048.D	CLP-1 0.53(mm)
ICV 240-67207/48		12/04/2012 20:21	1	P4000048.D	CLP-2 0.53(mm)
ICV 240-67207/49		12/04/2012 20:37	1	P4000049.D	CLP-1 0.53(mm)
ICV 240-67207/49		12/04/2012 20:37	1	P4000049.D	CLP-2 0.53(mm)
ICV 240-67207/50		12/04/2012 20:52	1	P4000050.D	CLP-1 0.53(mm)
ICV 240-67207/50		12/04/2012 20:52	1	P4000050.D	CLP-2 0.53(mm)
ICV 240-67207/51		12/04/2012 21:08	1		CLP-1 0.53(mm)
ICV 240-67207/51		12/04/2012 21:08	1		CLP-2 0.53(mm)
ICV 240-67207/52		12/04/2012 21:24	1		CLP-1 0.53(mm)
ICV 240-67207/52		12/04/2012 21:24	1		CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Start Date: 12/21/2012 06:50

Analysis Batch Number: 69717 End Date: 12/21/2012 12:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-69717/3 CCVRT		12/21/2012 06:50	1	P4000003.D	CLP-1 0.53(mm)
CCV 240-69717/3 CCVRT		12/21/2012 06:50	1	P4000003.D	CLP-2 0.53(mm)
MRL 240-69717/10		12/21/2012 08:40	1	P4000010.D	CLP-1 0.53(mm)
MRL 240-69717/10		12/21/2012 08:40	1	P4000010.D	CLP-2 0.53(mm)
240-18581-1	070SB-0042M-0001-SO	12/21/2012 08:56	1	P4000011.D	CLP-1 0.53(mm)
240-18581-1	070SB-0042M-0001-SO	12/21/2012 08:56	1	P4000011.D	CLP-2 0.53(mm)
240-18581-3	070SB-044M-0001-SO	12/21/2012 09:11	1	P4000012.D	CLP-1 0.53(mm)
240-18581-3	070SB-044M-0001-SO	12/21/2012 09:11	1	P4000012.D	CLP-2 0.53(mm)
ZZZZZ		12/21/2012 09:27	1		CLP-1 0.53(mm)
ZZZZZ		12/21/2012 09:27	1		CLP-2 0.53(mm)
ZZZZZ		12/21/2012 09:43	1		CLP-1 0.53(mm)
ZZZZZ		12/21/2012 09:43	1		CLP-2 0.53(mm)
ZZZZZ		12/21/2012 09:59	1		CLP-1 0.53(mm)
ZZZZZ		12/21/2012 09:59	1		CLP-2 0.53(mm)
240-18581-18	070SB-0049M-0001-SO	12/21/2012 10:14	1	P4000016.D	CLP-1 0.53(mm)
240-18581-18	070SB-0049M-0001-SO	12/21/2012 10:14	1	P4000016.D	CLP-2 0.53(mm)
240-18581-19	070SB-0050M-0001-SO	12/21/2012 10:30	1	P4000017.D	CLP-1 0.53(mm)
240-18581-19	070SB-0050M-0001-SO	12/21/2012 10:30	1	P4000017.D	CLP-2 0.53(mm)
MB 240-69415/23-A		12/21/2012 10:46	1	P4000018.D	CLP-1 0.53(mm)
MB 240-69415/23-A		12/21/2012 10:46	1	P4000018.D	CLP-2 0.53(mm)
CCV 240-69717/19		12/21/2012 11:02	1	P4000019.D	CLP-1 0.53(mm)
CCV 240-69717/19		12/21/2012 11:02	1	P4000019.D	CLP-2 0.53(mm)
240-18581-20	070SB-0051M-0001-SO	12/21/2012 11:17	1	P4000020.D	CLP-1 0.53(mm)
240-18581-20	070SB-0051M-0001-SO	12/21/2012 11:17	1	P4000020.D	CLP-2 0.53(mm)
240-18581-21	070SB-0052M-0001-SO	12/21/2012 11:33	1	P4000021.D	CLP-1 0.53(mm)
240-18581-21	070SB-0052M-0001-SO	12/21/2012 11:33	1	P4000021.D	CLP-2 0.53(mm)
240-18581-22	070SB-0053M-0001-SO	12/21/2012 11:49	1	P4000022.D	CLP-1 0.53(mm)
240-18581-22	070SB-0053M-0001-SO	12/21/2012 11:49	1	P4000022.D	CLP-2 0.53(mm)
240-18581-23	070SB-0054M-0001-SO	12/21/2012 12:05	1	P4000023.D	CLP-1 0.53(mm)
240-18581-23	070SB-0054M-0001-SO	12/21/2012 12:05	1	P4000023.D	CLP-2 0.53(mm)
LCS 240-69415/24-A		12/21/2012 12:20	1	P4000024.D	CLP-1 0.53(mm)
LCS 240-69415/24-A		12/21/2012 12:20	1	P4000024.D	CLP-2 0.53(mm)
CCV 240-69717/25		12/21/2012 12:36	1	P4000025.D	CLP-1 0.53(mm)
CCV 240-69717/25		12/21/2012 12:36	1	P4000025.D	CLP-2 0.53(mm)
MRL 240-69717/26		12/21/2012 12:52	1	P4000026.D	CLP-1 0.53(mm)
MRL 240-69717/26		12/21/2012 12:52	1	P4000026.D	CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Start Date: 12/29/2012 19:07

Analysis Batch Number: 70556 End Date: 12/30/2012 01:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-70556/3 CCVRT		12/29/2012 19:07	1	P4000003.D	CLP-1 0.53(mm)
CCV 240-70556/3 CCVRT		12/29/2012 19:07	1	P4000003.D	CLP-2 0.53(mm)
MRL 240-70556/4		12/29/2012 19:23	1	P4000004.D	CLP-1 0.53(mm)
MRL 240-70556/4		12/29/2012 19:23	1	P4000004.D	CLP-2 0.53(mm)
240-18581-5	070SB-046M-0001-SO	12/29/2012 19:39	1	P4000005.D	CLP-1 0.53(mm)
240-18581-5	070SB-046M-0001-SO	12/29/2012 19:39	1	P4000005.D	CLP-2 0.53(mm)
240-18581-6	070SB-047M-0001-SO	12/29/2012 19:55	1	P4000006.D	CLP-1 0.53(mm)
240-18581-6	070SB-047M-0001-SO	12/29/2012 19:55	1	P4000006.D	CLP-2 0.53(mm)
240-18581-6 MS	070SB-047M-0001-SO MS	12/29/2012 20:10	1	P4000007.D	CLP-1 0.53(mm)
240-18581-6 MS	070SB-047M-0001-SO MS	12/29/2012 20:10	1	P4000007.D	CLP-2 0.53(mm)
240-18581-6 MSD	070SB-047M-0001-SO MSD	12/29/2012 20:26	1	P4000008.D	CLP-1 0.53(mm)
240-18581-6 MSD	070SB-047M-0001-SO MSD	12/29/2012 20:26	1	P4000008.D	CLP-2 0.53(mm)
MB 240-70113/18-A		12/29/2012 22:01	1	P4000014.D	CLP-1 0.53(mm)
MB 240-70113/18-A		12/29/2012 22:01	1	P4000014.D	CLP-2 0.53(mm)
CCV 240-70556/15		12/29/2012 22:16	1	P4000015.D	CLP-1 0.53(mm)
CCV 240-70556/15		12/29/2012 22:16	1	P4000015.D	CLP-2 0.53(mm)
ZZZZZ		12/29/2012 22:32	10		CLP-1 0.53(mm)
ZZZZZ		12/29/2012 22:32	10		CLP-2 0.53(mm)
ZZZZZ		12/29/2012 22:48	100		CLP-1 0.53(mm)
ZZZZZ		12/29/2012 22:48	100		CLP-2 0.53(mm)
ZZZZZ		12/30/2012 00:06	1		CLP-1 0.53(mm)
ZZZZZ		12/30/2012 00:06	1		CLP-2 0.53(mm)
ZZZZZ		12/30/2012 00:22	10		CLP-1 0.53(mm)
ZZZZZ		12/30/2012 00:22	10		CLP-2 0.53(mm)
ZZZZZ		12/30/2012 00:38	1		CLP-1 0.53(mm)
ZZZZZ		12/30/2012 00:38	1		CLP-2 0.53(mm)
LCS 240-70113/19-A		12/30/2012 00:53	1	P4000025.D	CLP-1 0.53(mm)
LCS 240-70113/19-A		12/30/2012 00:53	1	P4000025.D	CLP-2 0.53(mm)
CCV 240-70556/26		12/30/2012 01:09	1	P4000026.D	CLP-1 0.53(mm)
CCV 240-70556/26		12/30/2012 01:09	1	P4000026.D	CLP-2 0.53(mm)
MRL 240-70556/27		12/30/2012 01:25	1	P4000027.D	CLP-1 0.53(mm)
MRL 240-70556/27		12/30/2012 01:25	1	P4000027.D	CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP4 Start Date: 01/02/2013 14:12

Analysis Batch Number: 70882 End Date: 01/02/2013 20:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-70882/3 CCVRT		01/02/2013 14:12	1	P4000003.D	CLP-1 0.53(mm)
CCV 240-70882/3 CCVRT		01/02/2013 14:12	1	P4000003.D	CLP-2 0.53(mm)
MRL 240-70882/4		01/02/2013 14:28	1	P4000004.D	CLP-1 0.53(mm)
MRL 240-70882/4		01/02/2013 14:28	1	P4000004.D	CLP-2 0.53(mm)
240-18581-17	070SS-0048M-0001-SO	01/02/2013 14:44	1	P4000005.D	CLP-1 0.53(mm)
240-18581-17	070SS-0048M-0001-SO	01/02/2013 14:44	1	P4000005.D	CLP-2 0.53(mm)
MB 240-70774/19-A		01/02/2013 17:05	1	P4000014.D	CLP-1 0.53(mm)
MB 240-70774/19-A		01/02/2013 17:05	1	P4000014.D	CLP-2 0.53(mm)
CCV 240-70882/15		01/02/2013 17:21	1	P4000015.D	CLP-1 0.53(mm)
CCV 240-70882/15		01/02/2013 17:21	1	P4000015.D	CLP-2 0.53(mm)
LCS 240-70774/18-A		01/02/2013 19:58	1	P4000025.D	CLP-1 0.53(mm)
LCS 240-70774/18-A		01/02/2013 19:58	1	P4000025.D	CLP-2 0.53(mm)
CCV 240-70882/26		01/02/2013 20:14	1	P4000026.D	CLP-1 0.53(mm)
CCV 240-70882/26		01/02/2013 20:14	1	P4000026.D	CLP-2 0.53(mm)
MRL 240-70882/27		01/02/2013 20:29	1	P4000027.D	CLP-1 0.53(mm)
MRL 240-70882/27		01/02/2013 20:29	1	P4000027.D	CLP-2 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69415 Batch Start Date: 12/19/12 15:35 Batch Analyst: Earle, Steve

Batch Method: 3540C Batch End Date: 12/20/12 07:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX10PPMSPK 00006	EX2/.2SURRW 00020	AnalysisComment	
240-18581-M-1-A	070SB-0042M-0001 -SO	3540C, 8082/DOD	T	30.18 g	10 mL		1 mL	assoc w/69426	
240-18581-L-3-A	070SB-044M-0001-SO	3540C, 8082/DOD	T	30.40 g	10 mL		1 mL	assoc w/69426	
240-18581-B-18-A	070SB-0049M-0001 -SO	3540C, 8082/DOD	T	29.99 g	10 mL		1 mL		
240-18581-B-19-A	070SB-0050M-0001 -SO	3540C, 8082/DOD	T	30.16 g	10 mL		1 mL		
240-18581-B-20-A	070SB-0051M-0001 -SO	3540C, 8082/DOD	T	29.91 g	10 mL		1 mL		
240-18581-B-21-A	070SB-0052M-0001 -SO	3540C, 8082/DOD	T	30.32 g	10 mL		1 mL		
240-18581-B-22-A	070SB-0053M-0001 -SO	3540C, 8082/DOD	T	30.28 g	10 mL		1 mL		
240-18581-B-23-A	070SB-0054M-0001 -SO	3540C, 8082/DOD	T	30.44 g	10 mL		1 mL		
MB 240-69415/23		3540C, 8082/DOD		30.00 g	10 mL		1 mL	assoc w/69426	
LCS 240-69415/24		3540C, 8082/DOD		30.00 g	10 mL	1 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	724998
Balance ID	b036
Exchange Solvent Lot #	671346
Na2SO4 Lot Number	677237
Prep Solvent Lot #	785980

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 70113 Batch Start Date: 12/26/12 14:00 Batch Analyst: Cerne, Amanda

Batch Method: 3540C Batch End Date: 12/27/12 06:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX10PPMSPK 00006	EX2/.2SURRW 00020	AnalysisComment	
240-18581-K-5-A	070SB-046M-0001-SO	3540C, 8082/DOD	T	29.88 g	10 mL		1 mL		
240-18581-H-6-A	070SB-047M-0001-SO	3540C, 8082/DOD	T	30.22 g	10 mL		1 mL		
240-18581-H-6-A MS	070SB-047M-0001-SO	3540C, 8082/DOD	T	29.86 g	10 mL	1 mL	1 mL		
240-18581-H-6-A MSD	070SB-047M-0001-SO	3540C, 8082/DOD	T	29.65 g	10 mL	1 mL	1 mL		
MB 240-70113/18		3540C, 8082/DOD		30.00 g	10 mL		1 mL	Associated with 70115	
LCS 240-70113/19		3540C, 8082/DOD		30.00 g	10 mL	1 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	724998
Balance ID	b036
Person's name who did the concentration	cc/lh
Exchange Solvent Lot #	804965
Na2SO4 Lot Number	677239
Prep Solvent Lot #	785982

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 70774 Batch Start Date: 12/31/12 14:50 Batch Analyst: Howell, Leslie

Batch Method: 3540C Batch End Date: 01/01/13 06:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX10PPMSPK 00006	EX2/.2SURRW 00020		
240-18581-B-17-A	070SS-0048M-0001-SO	3540C, 8082/DOD	T	30.10 g	10 mL		1 mL		
LCS 240-70774/18		3540C, 8082/DOD		30.00 g	10 mL	1 mL	1 mL		
MB 240-70774/19		3540C, 8082/DOD		30.00 g	10 mL		1 mL		

Batch Notes	
Acid used for Clean Up Reagent	724998
Person's name who did the concentration	lah/cc
Exchange Solvent Lot #	804965
Na2SO4 Lot Number	677239
Prep Solvent Lot #	807290

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8151 DOD

Herbicides (GC) by Method 8151A/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCPA1 #	DCPA2 #
070SB-044M-0001-SO	240-18581-3	46	49
070SB-045M-0001-SO	240-18581-4	37	43
	MB 240-69221/23-A	73	80
	LCS 240-69221/24-A	78	88
070SB-044M-0001-SO MS	240-18581-3 MS	67	67
070SB-044M-0001-SO MSD	240-18581-3 MSD	64	65

	QC LIMITS
DCPA = 2,4-Dichlorophenylacetic acid	19-122

Column to be used to flag recovery values

FORM II 8151/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCPA1	#	DCPA2	#
	MRL 240-69890/17	124	Q	123	Q
	MRL 240-69890/46	136	Q	133	Q

	QC LIMITS
DCPA = 2,4-Dichlorophenylacetic acid	19-122

Column to be used to flag recovery values

FORM II 8151/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P1000045.D

Lab ID: LCS 240-69221/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4-D	667	603	90	35-145	
Dalapon	333	234	70	30-122	
2,4-DB	667	558	84	50-155	
Dicamba	333	285	86	55-110	
Dichlorprop	667	761	114	75-140	
Dinoseb	100	13.2	13	5-130	
MCPA	66700	63500	95	25-132	
Silvex (2,4,5-TP)	167	144	86	45-125	
2,4,5-T	167	146	88	45-135	

Column to be used to flag recovery and RPD values

FORM III 8151/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1000017.D

Lab ID: MRL 240-69890/17 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2,4-D	0.0200	0.0217	108	70-130	
2,4-D	0.0200	0.0221	110	70-130	
Dalapon	0.0100	0.0123	123	70-130	
Dalapon	0.0100	0.0119	119	70-130	
2,4-DB	0.0200	0.0202	101	70-130	
2,4-DB	0.0200	0.0211	106	70-130	
Dicamba	0.0100	0.0122	122	70-130	
Dicamba	0.0100	0.0115	115	70-130	
Dichlorprop	0.0200	0.0248	124	70-130	
Dichlorprop	0.0200	0.0242	121	70-130	
Dinoseb	0.00300	0.00326	109	70-130	
Dinoseb	0.00300	0.00310	103	70-130	
MCPA	2.00	1.06	53	70-130	^
MCPA	2.00	1.11	56	70-130	^
Silvex (2,4,5-TP)	0.00500	0.00542	108	70-130	
Silvex (2,4,5-TP)	0.00500	0.00538	108	70-130	
2,4,5-T	0.00500	0.00482	96	70-130	
2,4,5-T	0.00500	0.00518	104	70-130	M

Column to be used to flag recovery and RPD values

FORM III 8151/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1000046.D

Lab ID: MRL 240-69890/46 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2,4-D	0.0200	0.0243	121	70-130	
2,4-D	0.0200	0.0244	122	70-130	
Dalapon	0.0100	0.0119	119	70-130	
Dalapon	0.0100	0.0127	127	70-130	
2,4-DB	0.0200	0.0230	115	70-130	
2,4-DB	0.0200	0.0241	121	70-130	
Dicamba	0.0100	0.0130	130	70-130	
Dicamba	0.0100	0.0125	125	70-130	
Dichlorprop	0.0200	0.0275	138	70-130	^
Dichlorprop	0.0200	0.0278	139	70-130	^
Dinoseb	0.00300	0.00384	128	70-130	
Dinoseb	0.00300	0.00371	124	70-130	
MCPA	2.00	1.46	73	70-130	
MCPA	2.00	1.56	78	70-130	
Silvex (2,4,5-TP)	0.00500	0.00583	117	70-130	
Silvex (2,4,5-TP)	0.00500	0.00597	119	70-130	
2,4,5-T	0.00500	0.00551	110	70-130	
2,4,5-T	0.00500	0.00593	119	70-130	

Column to be used to flag recovery and RPD values

FORM III 8151/DOD

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P1000022.D

Lab ID: 240-18581-3 MS Client ID: 070SB-044M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
2,4-D	668	33 U	512	77	35-145	
Dalapon	334	17 U	181	54	30-122	
2,4-DB	668	33 U	465	70	50-155	
Dicamba	334	17 U	230	69	55-110	
Dichlorprop	668	66 U	609	91	75-140	
Dinoseb	100	10 U	44.2	44	5-130	
MCPA	66800	3300 U	46900	70	25-132	
Silvex (2,4,5-TP)	167	8.3 U	118	71	45-125	
2,4,5-T	167	8.3 U	124	74	45-135	

Column to be used to flag recovery and RPD values

FORM III 8151/DOD

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P1000023.D

Lab ID: 240-18581-3 MSD Client ID: 070SB-044M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-D	662	473	71	8	30	35-145	
Dalapon	331	172	52	5	30	30-122	
2,4-DB	662	446	67	4	30	50-155	
Dicamba	331	211	64	9	30	55-110	
Dichlorprop	662	564	85	8	30	75-140	
Dinoseb	99.4	34.9	35	24	30	5-130	
MCPA	66200	45200	68	4	30	25-132	
Silvex (2,4,5-TP)	166	108	65	9	30	45-125	
2,4,5-T	166	114	69	9	30	45-135	

Column to be used to flag recovery and RPD values

FORM III 8151/DOD

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: MB 240-69221/23-A

Matrix: Solid Date Extracted: 12/18/2012 11:08

Lab File ID:(1) P1000044.D Lab File ID:(2) P1000044.D

Date Analyzed:(1) 12/23/2012 03:56 Date Analyzed:(2) 12/23/2012 03:56

Instrument ID:(1) A2HP1 Instrument ID:(2) A2HP1

GC Column:(1) CLP-1 ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
070SB-044M-0001-SO	240-18581-3	12/22/2012 18:55	12/22/2012 18:55
070SB-044M-0001-SO MS	240-18581-3 MS	12/22/2012 19:19	12/22/2012 19:19
070SB-044M-0001-SO MSD	240-18581-3 MSD	12/22/2012 19:42	12/22/2012 19:42
070SB-045M-0001-SO	240-18581-4	12/22/2012 20:05	12/22/2012 20:05
	LCS 240-69221/24-A	12/23/2012 04:19	12/23/2012 04:19

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-69890/5 Date Analyzed: 12/22/2012 12:38

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P1000005.D Heated Purge: (Y/N) N

Calibration ID: 12573

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPA RT #		
CONTINUING CALIBRATION SURROGATE				6.96		
UPPER LIMIT				6.98		
LOWER LIMIT				6.94		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-69890/5 CCVRT		12/22/2012 12:38	P1000005.D	6.96		
CCV 240-69890/15		12/22/2012 16:34	P1000015.D	6.96		
240-18581-3	070SB-044M-0001-SO	12/22/2012 18:55	P1000021.D	6.96		
240-18581-3 MS	070SB-044M-0001-SO MS	12/22/2012 19:19	P1000022.D	6.96		
240-18581-3 MSD	070SB-044M-0001-SO MSD	12/22/2012 19:42	P1000023.D	6.96		
240-18581-4	070SB-045M-0001-SO	12/22/2012 20:05	P1000024.D	6.96		
CCV 240-69890/28		12/22/2012 21:40	P1000028.D	6.96		
CCV 240-69890/39		12/23/2012 01:59	P1000039.D	6.96		
MB 240-69221/23-A		12/23/2012 03:56	P1000044.D	6.96		
LCS 240-69221/24-A		12/23/2012 04:19	P1000045.D	6.96		
CCV 240-69890/48		12/23/2012 05:30	P1000048.D	6.97		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = ± 0.02 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 240-69890/5 Date Analyzed: 12/22/2012 12:38

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P1000005.D Heated Purge: (Y/N) N

Calibration ID: 12574

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPA RT #		
CONTINUING CALIBRATION SURROGATE				7.61		
UPPER LIMIT				7.63		
LOWER LIMIT				7.59		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-69890/5 CCVRT		12/22/2012 12:38	P1000005.D	7.61		
CCV 240-69890/15		12/22/2012 16:34	P1000015.D	7.62		
240-18581-3	070SB-044M-0001-SO	12/22/2012 18:55	P1000021.D	7.62		
240-18581-3 MS	070SB-044M-0001-SO MS	12/22/2012 19:19	P1000022.D	7.62		
240-18581-3 MSD	070SB-044M-0001-SO MSD	12/22/2012 19:42	P1000023.D	7.62		
240-18581-4	070SB-045M-0001-SO	12/22/2012 20:05	P1000024.D	7.62		
CCV 240-69890/28		12/22/2012 21:40	P1000028.D	7.62		
CCV 240-69890/39		12/23/2012 01:59	P1000039.D	7.61		
MB 240-69221/23-A		12/23/2012 03:56	P1000044.D	7.61		
LCS 240-69221/24-A		12/23/2012 04:19	P1000045.D	7.61		
CCV 240-69890/48		12/23/2012 05:30	P1000048.D	7.61		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = ± 0.02 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151/DOD

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MS Lab Sample ID: 240-18581-3 MS

Instrument ID (1): A2HP1 Instrument ID (2): A2HP1

Date Analyzed (1): 12/22/2012 19:19 Date Analyzed (2): 12/22/2012 19:19

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Dalapon	1		1.23	1.21	1.25	167		8.1
	2		1.38	1.36	1.40	181		
Dicamba	1		7.12	7.11	7.15	226		2.0
	2		7.79	7.76	7.80	230		
MCPP	1		7.41	7.39	7.43	48400		14.2
	2		7.97	7.95	7.99	42000		
MCPA	1		7.57	7.55	7.59	62200		28.0
	2		8.22	8.20	8.24	46900		
Dichlorprop	1		7.94	7.92	7.96	585		3.9
	2		8.58	8.56	8.60	609		
2,4-D	1		8.18	8.16	8.20	551		7.4
	2		8.94	8.92	8.96	512		
Pentachlorophenol	1		8.27	8.25	8.29	81.0		15.8
	2		9.23	9.21	9.25	69.2		
Silvex (2,4,5-TP)	1		9.05	9.03	9.07	119		0.9
	2		9.88	9.85	9.89	118		
2,4,5-T	1		9.36	9.35	9.39	126		1.6
	2		10.35	10.33	10.37	124		
2,4-DB	1		9.97	9.98	10.02	1630		111.2
	2		11.00	10.98	11.02	465		
Dinoseb	1		11.20	11.17	11.23	41.0		7.5
	2		11.38	11.35	11.41	44.2		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MSD Lab Sample ID: 240-18581-3 MSD

Instrument ID (1): A2HP1 Instrument ID (2): A2HP1

Date Analyzed (1): 12/22/2012 19:42 Date Analyzed (2): 12/22/2012 19:42

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Dalapon	1		1.24	1.21	1.25	165		4.1
	2		1.38	1.36	1.40	172		
Dicamba	1		7.12	7.11	7.15	204		3.2
	2		7.79	7.76	7.80	211		
MCPP	1		7.41	7.39	7.43	43400		5.8
	2		7.97	7.95	7.99	41000		
MCPA	1		7.57	7.55	7.59	52700		15.3
	2		8.22	8.20	8.24	45200		
Dichlorprop	1		7.94	7.92	7.96	533		5.7
	2		8.58	8.56	8.60	564		
2,4-D	1		8.18	8.16	8.20	495		4.7
	2		8.94	8.92	8.96	473		
Pentachlorophenol	1		8.27	8.25	8.29	73.0		12.3
	2		9.24	9.21	9.25	64.5		
Silvex (2,4,5-TP)	1		9.05	9.03	9.07	106		1.9
	2		9.88	9.85	9.89	108		
2,4,5-T	1		9.36	9.35	9.39	114		0.5
	2		10.35	10.33	10.37	114		
2,4-DB	1		9.97	9.98	10.02	1450		105.9
	2		11.00	10.98	11.02	446		
Dinoseb	1		11.20	11.17	11.23	34.5		1.3
	2		11.38	11.35	11.41	34.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-69221/24-A

Instrument ID (1): A2HP1 Instrument ID (2): A2HP1

Date Analyzed (1): 12/23/2012 04:19 Date Analyzed (2): 12/23/2012 04:19

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Dalapon	1		1.24	1.22	1.26	204		13.5
	2		1.37	1.35	1.39	234		
Dicamba	1		7.13	7.11	7.15	265		7.3
	2		7.77	7.75	7.79	285		
MCPP	1		7.41	7.39	7.43	56100		1.1
	2		7.96	7.94	7.98	56800		
MCPA	1		7.58	7.56	7.60	56800		11.2
	2		8.21	8.19	8.23	63500		
Dichlorprop	1		7.95	7.93	7.97	682		10.9
	2		8.57	8.55	8.59	761		
2,4-D	1		8.18	8.16	8.20	624		3.5
	2		8.92	8.90	8.94	603		
Pentachlorophenol	1		8.27	8.25	8.29	80.4		10.8
	2		9.22	9.20	9.24	72.1		
Silvex (2,4,5-TP)	1		9.06	9.04	9.08	140		3.0
	2		9.86	9.84	9.88	144		
2,4,5-T	1		9.37	9.35	9.39	144		1.4
	2		10.34	10.32	10.36	146		
2,4-DB	1		10.00	9.98	10.02	570		2.1
	2		10.98	10.97	11.01	558		
Dinoseb	1		11.21	11.18	11.24	13.5		2.1
	2		11.36	11.33	11.39	13.2		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO Lab Sample ID: 240-18581-3

Matrix: Solid Lab File ID: P1000021.D

Analysis Method: 8151/DOD Date Collected: 12/07/2012 11:15

Extraction Method: 8151A Date Extracted: 12/18/2012 11:08

Sample wt/vol: 30.09(g) Date Analyzed: 12/22/2012 18:55

Con. Extract Vol.: 100(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	46		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000021.D		
Lims ID:	240-18581-L-3-D	Client ID:	070SB-044M-0001-SO
Inject. Date:	22-Dec-2012 18:55:21	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016119-021		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	69890	Lims Sample ID:	21
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.222	1.233	-0.011	1135086	0.002482	
2	1.387	1.378	0.009	176522	0.001215	
					RPD = 68.53	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.959	6.958	0.001	13635774	0.0915	
2	7.619	7.617	0.002	6111663	0.0985	
					RPD = 7.35	
6 Dicamba						
1		7.125				
2		7.784				
10 MCPP						1
1		7.410				
2		7.968				
9 MCPA						
1		7.572				
2		8.221				
7 Dichlorprop						
1		7.943				
2		8.580				
2 2,4-D						
1		8.182				
2		8.937				
11 Pentachlorophenol						
1		8.269				
2		9.231				
12 Silvex (2,4,5-TP)						
1		9.054				
2		9.873				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.369				
2		10.352				
3	2,4-DB					1
1		9.998				
2		11.002				
8	Dinoseb					1
1		11.202				
2		11.378				

QC Flag Legend

Processing Flags
1 - Missing Peaks

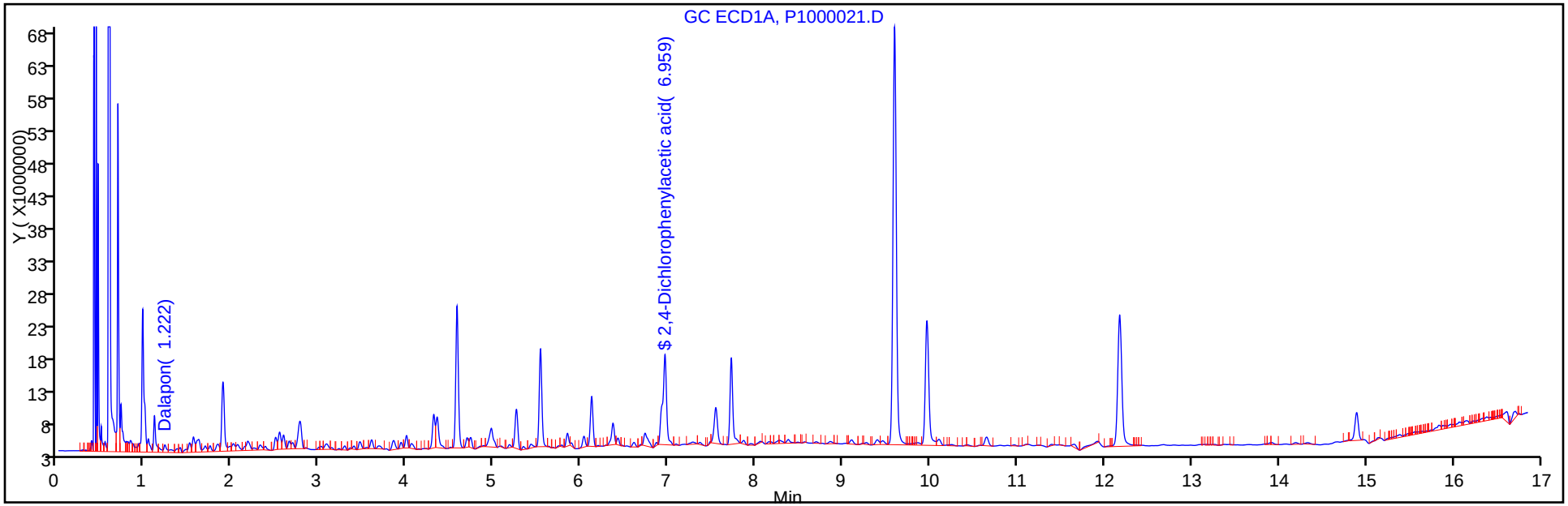
Report Date: 26-Dec-2012 15:31:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

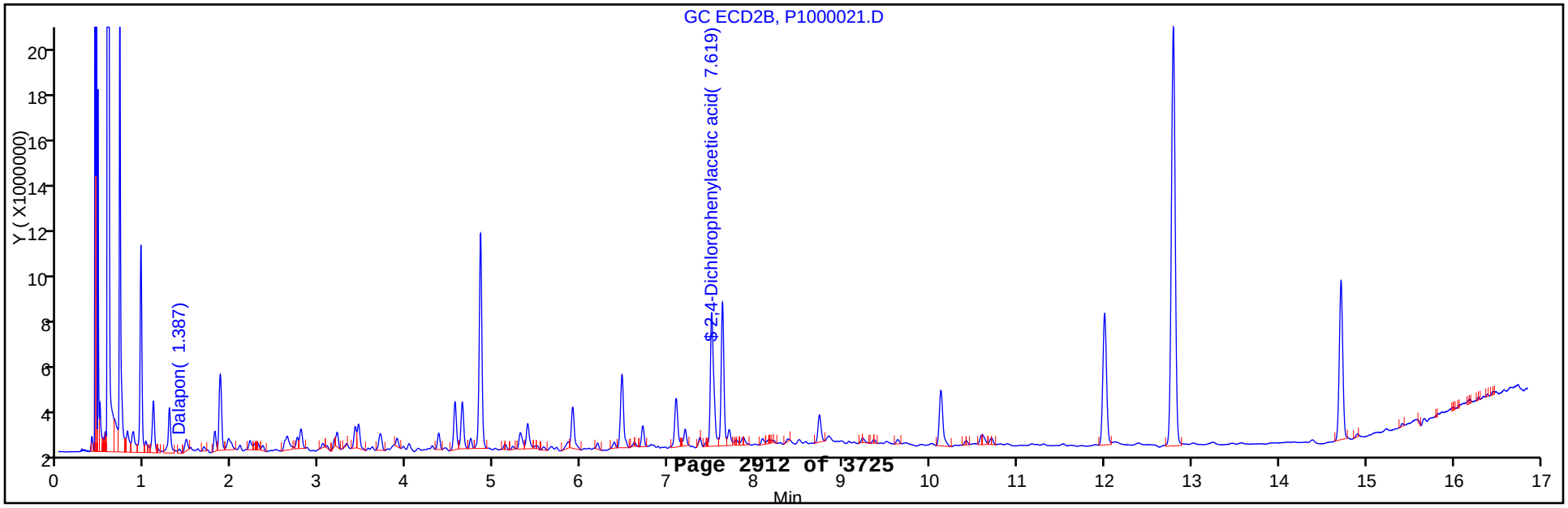
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000021.D

Injection Date:	22-Dec-2012 18:55:21	Limit Group:	GC 8151 DOD
Client ID:	070SB-044M-0001-SO	Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	21
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO | Lab Sample ID: 240-18581-3

Matrix: Solid | Lab File ID: P1000021.D

Analysis Method: 8151/DOD | Date Collected: 12/07/2012 11:15

Extraction Method: 8151A | Date Extracted: 12/18/2012 11:08

Sample wt/vol: 30.09(g) | Date Analyzed: 12/22/2012 18:55

Con. Extract Vol.: 100(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	33	U	80	33	19
75-99-0	Dalapon	17	U	40	17	7.8
94-82-6	2,4-DB	33	U	80	33	21
1918-00-9	Dicamba	17	U	40	17	8.1
120-36-5	Dichlorprop	66	U	80	66	37
88-85-7	Dinoseb	10	U	12	10	10
94-74-6	MCPA	3300	U	8000	3300	1600
93-65-2	MCPP	3300	U	8000	3300	1500
87-86-5	Pentachlorophenol	8.3	U	10	8.3	4.3
93-72-1	Silvex (2,4,5-TP)	8.3	U	20	8.3	4.1
93-76-5	2,4,5-T	8.3	U	20	8.3	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	49		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000021.D		
Lims ID:	240-18581-L-3-D	Client ID:	070SB-044M-0001-SO
Inject. Date:	22-Dec-2012 18:55:21	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016119-021		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	69890	Lims Sample ID:	21
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.222	1.233	-0.011	1135086	0.002482	
2	1.387	1.378	0.009	176522	0.001215	
					RPD = 68.53	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.959	6.958	0.001	13635774	0.0915	
2	7.619	7.617	0.002	6111663	0.0985	
					RPD = 7.35	
6 Dicamba						
1		7.125				
2		7.784				
10 MCPP						1
1		7.410				
2		7.968				
9 MCPA						
1		7.572				
2		8.221				
7 Dichlorprop						
1		7.943				
2		8.580				
2 2,4-D						
1		8.182				
2		8.937				
11 Pentachlorophenol						
1		8.269				
2		9.231				
12 Silvex (2,4,5-TP)						
1		9.054				
2		9.873				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.369				
2		10.352				
3	2,4-DB					1
1		9.998				
2		11.002				
8	Dinoseb					1
1		11.202				
2		11.378				

QC Flag Legend

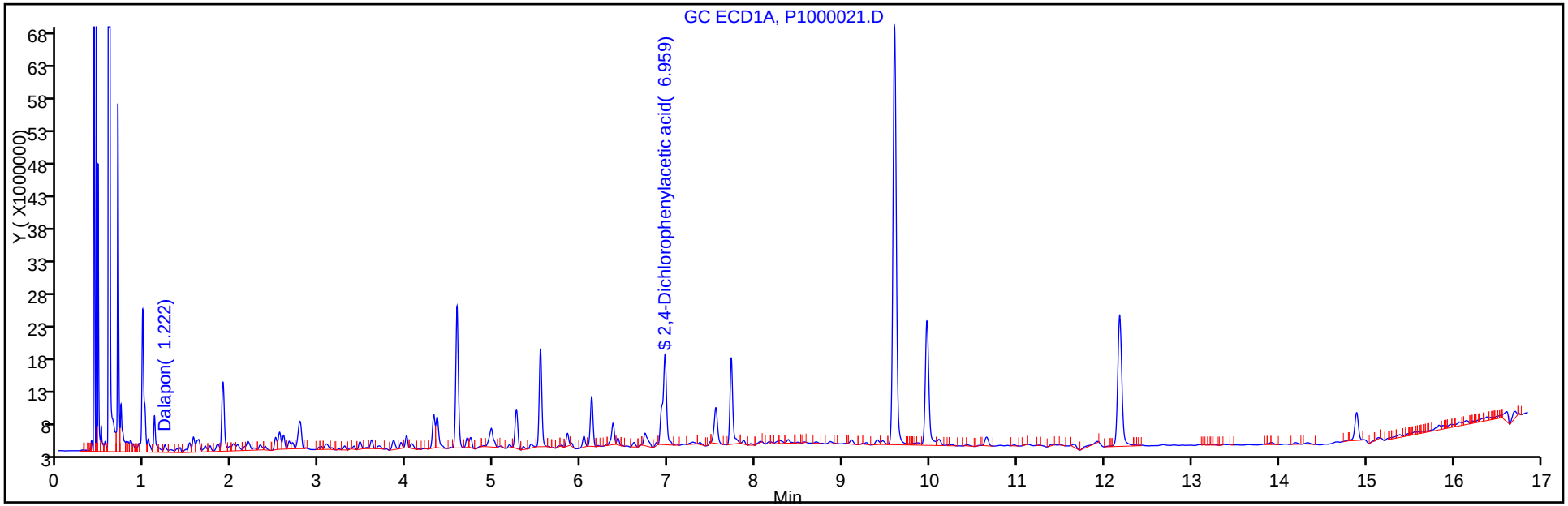
Processing Flags
1 - Missing Peaks

Report Date: 26-Dec-2012 15:31:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

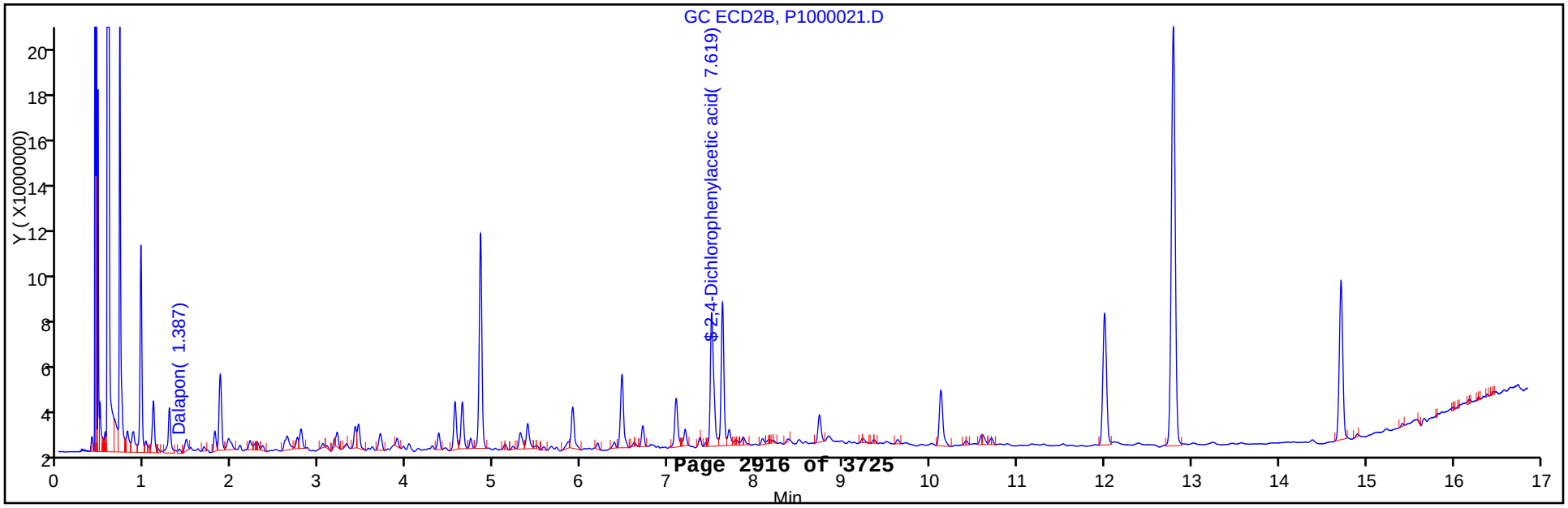
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000021.D		
Injection Date:	22-Dec-2012 18:55:21	Limit Group:	GC 8151 DOD
Client ID:	070SB-044M-0001-SO	Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	21
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-045M-0001-SO Lab Sample ID: 240-18581-4

Matrix: Solid Lab File ID: P1000024.D

Analysis Method: 8151/DOD Date Collected: 12/07/2012 11:15

Extraction Method: 8151A Date Extracted: 12/18/2012 11:08

Sample wt/vol: 30.28(g) Date Analyzed: 12/22/2012 20:05

Con. Extract Vol.: 100(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	37		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000024.D		
Lims ID:	240-18581-B-4-B	Client ID:	070SB-045M-0001-SO
Inject. Date:	22-Dec-2012 20:05:59	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016119-024		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	69890	Lims Sample ID:	24
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1		1.233				
2		1.378				
$ 4 2,4-Dichlorophenylacetic acid						
1	6.958	6.958	0.000	11107735	0.0745	
2	7.622	7.617	0.005	5305406	0.0855	
					RPD = 13.69	
6 Dicamba						1
1		7.125				
2		7.784				
10 MCPP						1
1		7.410				
2		7.968				
9 MCPA						1
1		7.572				
2		8.221				
7 Dichlorprop						
1		7.943				
2		8.580				
2 2,4-D						1
1		8.182				
2		8.937				
11 Pentachlorophenol						
1		8.269				
2		9.231				
12 Silvex (2,4,5-TP)						
1		9.054				
2		9.873				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.369				
2		10.352				
3	2,4-DB					1
1		9.998				
2		11.002				
8	Dinoseb					1
1		11.202				
2		11.378				

QC Flag Legend

Processing Flags
1 - Missing Peaks

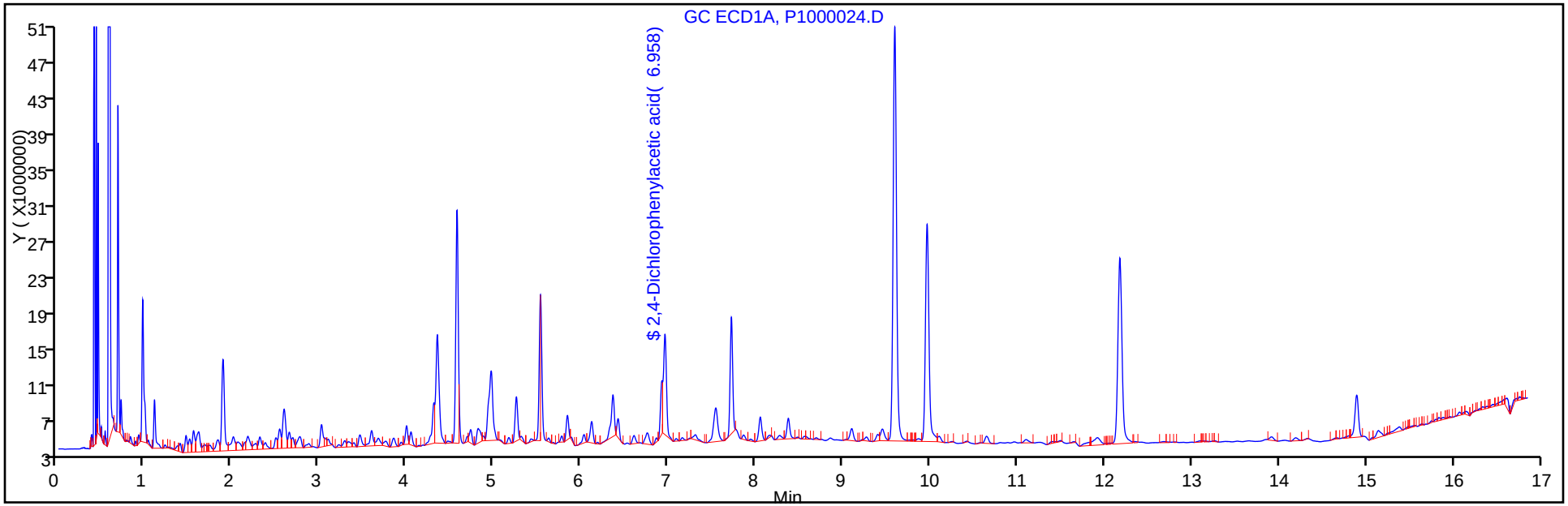
Report Date: 26-Dec-2012 15:31:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

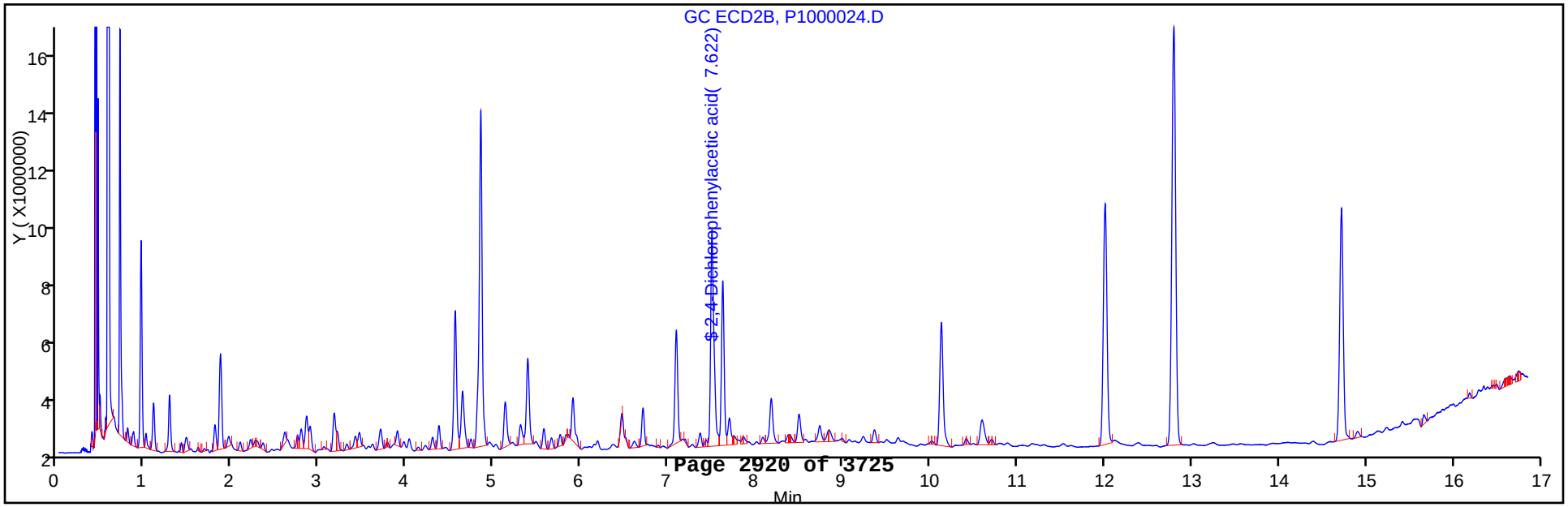
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000024.D

Injection Date:	22-Dec-2012 20:05:59	Limit Group:	GC 8151 DOD
Client ID:	070SB-045M-0001-SO	Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	24
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-045M-0001-SO | Lab Sample ID: 240-18581-4

Matrix: Solid | Lab File ID: P1000024.D

Analysis Method: 8151/DOD | Date Collected: 12/07/2012 11:15

Extraction Method: 8151A | Date Extracted: 12/18/2012 11:08

Sample wt/vol: 30.28(g) | Date Analyzed: 12/22/2012 20:05

Con. Extract Vol.: 100(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	33	U	79	33	19
75-99-0	Dalapon	17	U	40	17	7.7
94-82-6	2,4-DB	33	U	79	33	21
1918-00-9	Dicamba	17	U	40	17	8.0
120-36-5	Dichlorprop	66	U	79	66	36
88-85-7	Dinoseb	9.9	U	12	9.9	9.9
94-74-6	MCPA	3300	U	7900	3300	1600
93-65-2	MCPP	3300	U	7900	3300	1500
87-86-5	Pentachlorophenol	8.3	U	9.9	8.3	4.3
93-72-1	Silvex (2,4,5-TP)	8.3	U	20	8.3	4.1
93-76-5	2,4,5-T	8.3	U	20	8.3	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	43		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000024.D		
Lims ID:	240-18581-B-4-B	Client ID:	070SB-045M-0001-SO
Inject. Date:	22-Dec-2012 20:05:59	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0016119-024		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	69890	Lims Sample ID:	24
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1		1.233				
2		1.378				
$ 4 2,4-Dichlorophenylacetic acid						
1	6.958	6.958	0.000	11107735	0.0745	
2	7.622	7.617	0.005	5305406	0.0855	
					RPD = 13.69	
6 Dicamba						1
1		7.125				
2		7.784				
10 MCPP						1
1		7.410				
2		7.968				
9 MCPA						1
1		7.572				
2		8.221				
7 Dichlorprop						
1		7.943				
2		8.580				
2 2,4-D						1
1		8.182				
2		8.937				
11 Pentachlorophenol						
1		8.269				
2		9.231				
12 Silvex (2,4,5-TP)						
1		9.054				
2		9.873				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.369				
2		10.352				
3	2,4-DB					1
1		9.998				
2		11.002				
8	Dinoseb					1
1		11.202				
2		11.378				

QC Flag Legend

Processing Flags
1 - Missing Peaks

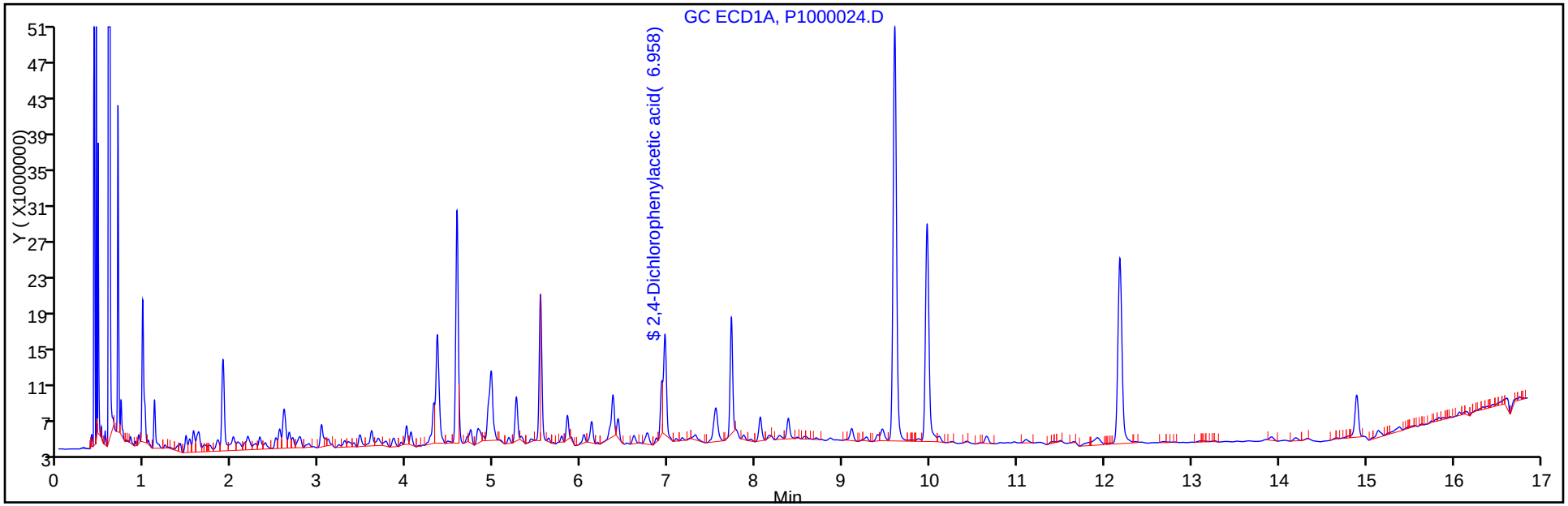
Report Date: 26-Dec-2012 15:31:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

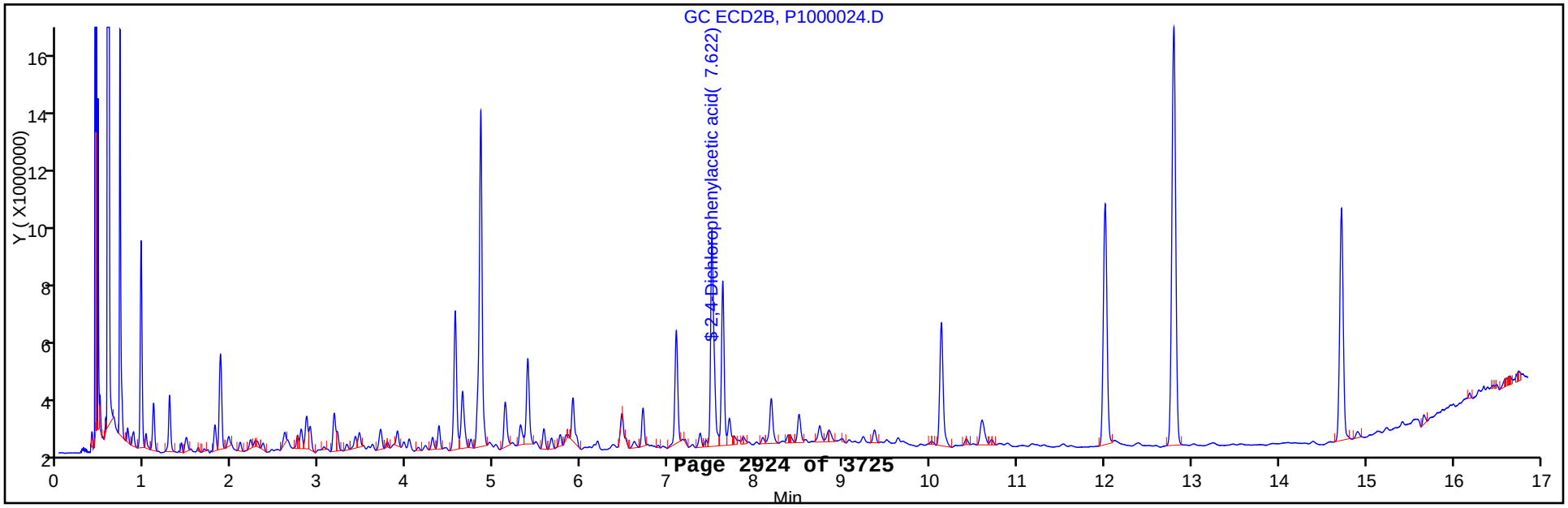
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000024.D

Injection Date:	22-Dec-2012 20:05:59	Limit Group:	GC 8151 DOD
Client ID:	070SB-045M-0001-SO	Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	24
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 58097

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2012 13:18 Calibration End Date: 09/18/2012 15:16 Calibration ID: 11460

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-58097/10	P1000010.D
Level 2	STD 240-58097/11	P1000011.D
Level 3	STD 240-58097/12	P1000012.D
Level 4	STD 240-58097/13	P1000013.D
Level 5	STD 240-58097/14	P1000014.D
Level 6	STD 240-58097/15	P1000015.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Pentachlorophenol	8.312	8.312	8.312	8.312	8.313	8.311					8.292 - 8.332	8.312

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 58097

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2012 13:18 Calibration End Date: 09/18/2012 15:16 Calibration ID: 11460

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-58097/10	P1000010.D
Level 2	STD 240-58097/11	P1000011.D
Level 3	STD 240-58097/12	P1000012.D
Level 4	STD 240-58097/13	P1000013.D
Level 5	STD 240-58097/14	P1000014.D
Level 6	STD 240-58097/15	P1000015.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Pentachlorophenol	6199692000 1836692000	1746500400 1559328288	1757540900	1942834700	Lin1	2208018.84	1628490553							0.9920		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 58097

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2012 13:18 Calibration End Date: 09/18/2012 15:16 Calibration ID: 11460

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-58097/10	P1000010.D
Level 2	STD 240-58097/11	P1000011.D
Level 3	STD 240-58097/12	P1000012.D
Level 4	STD 240-58097/13	P1000013.D
Level 5	STD 240-58097/14	P1000014.D
Level 6	STD 240-58097/15	P1000015.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Pentachlorophenol	Lin1	3099846 124746263	8732502	17575409	38856694	73467680	0.000500 0.0800	0.00500	0.0100	0.0200	0.0400

Curve Type Legend:
Lin1 = Linear 1/Conc by Height

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000010.D		
Lims ID:	STD PCP1	Client ID:	
Inject. Date:	18-Sep-2012 13:18:53	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0013294-010		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	58097	Lims Sample ID:	10
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:11	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:40:00

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						M
1	8.312	8.312	0.000	3099846	0.000548	
2	9.273	9.274	-0.001	1067921	0.000601	M
					RPD = 9.32	

QC Flag Legend

Review Flags
M - Manually Integrated

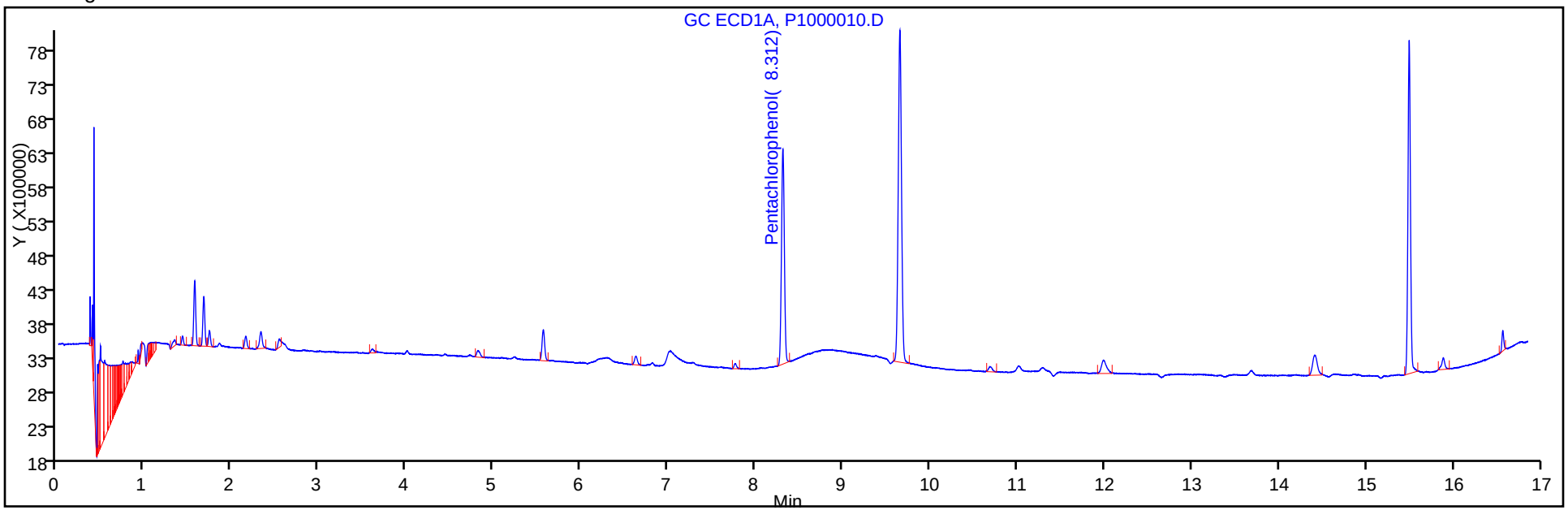
Report Date: 18-Sep-2012 19:47:12 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

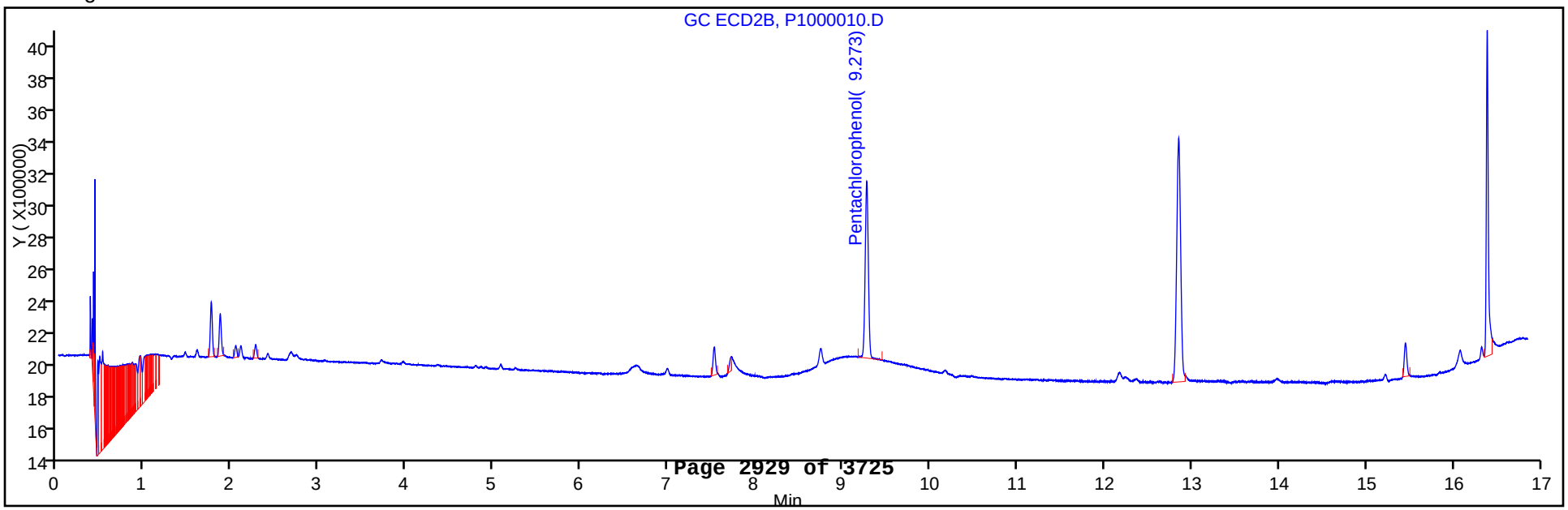
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000010.D

Injection Date:	18-Sep-2012 13:18:53	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

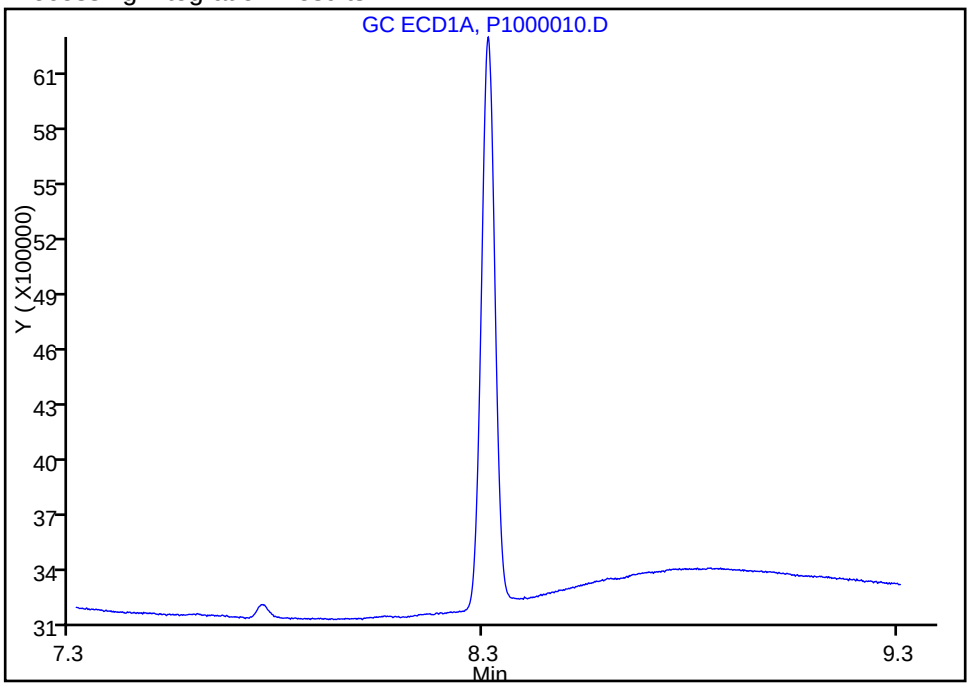
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000010.D		
Injection Date:	18-Sep-2012 13:18:53	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

11 Pentachlorophenol, Signal: 1, Type: quant, RT: 8.31, Det: GC ECD1A

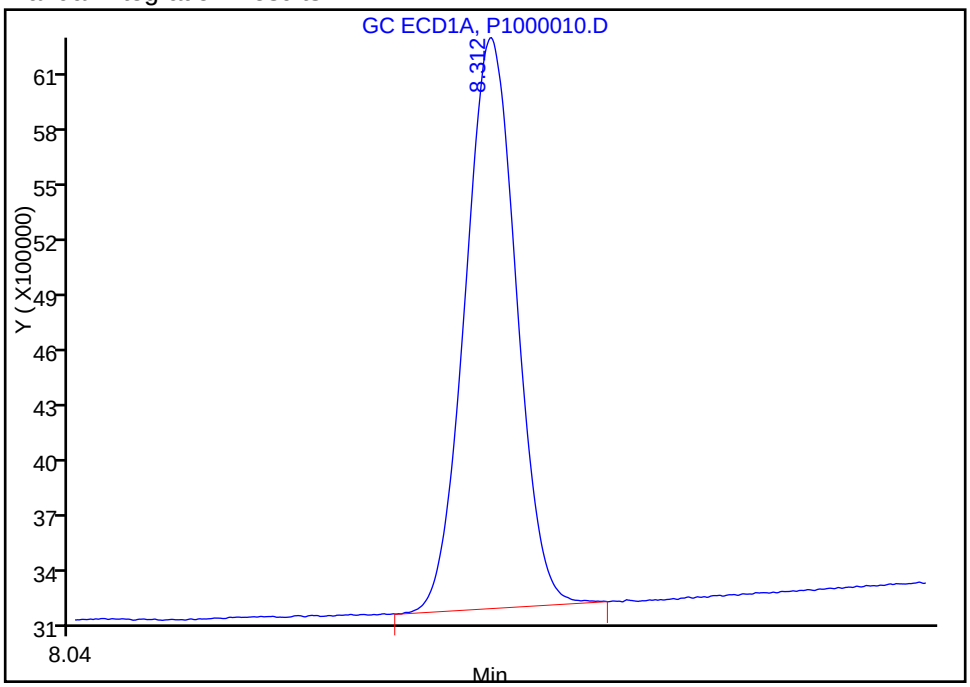
Not Detected
Expected RT: 8.31

Processing Integration Results



Manual Integration Results

RT: 8.31
Response: 3099846
Amount: 0.000548



Reviewer: roachc, 18-Sep-2012 19:40:00
Audit Action: Assigned Compound ID
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000011.D		
Lims ID:	STD PCP2	Client ID:	
Inject. Date:	18-Sep-2012 13:42:37	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0013294-011		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	58097	Lims Sample ID:	11
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:12	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:40:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						M
1	8.312	8.312	0.000	8732502	0.004006	
2	9.273	9.274	-0.001	3415013	0.003923	M
					RPD = 2.11	

QC Flag Legend

Review Flags
M - Manually Integrated

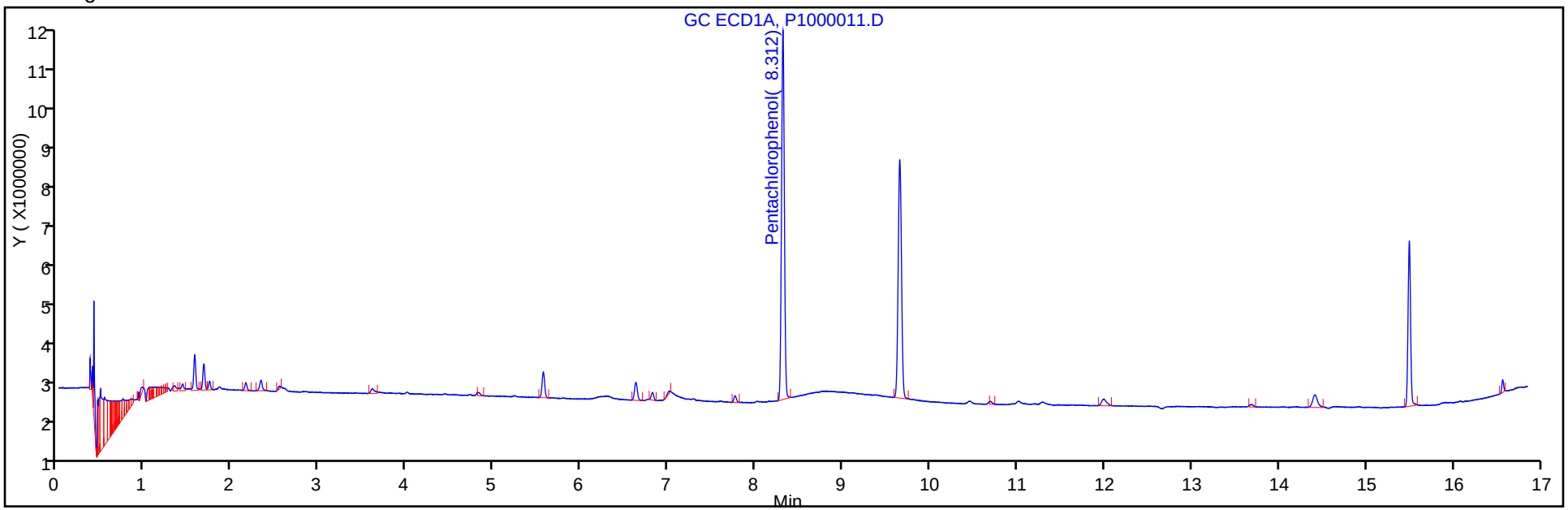
Report Date: 18-Sep-2012 19:47:13 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

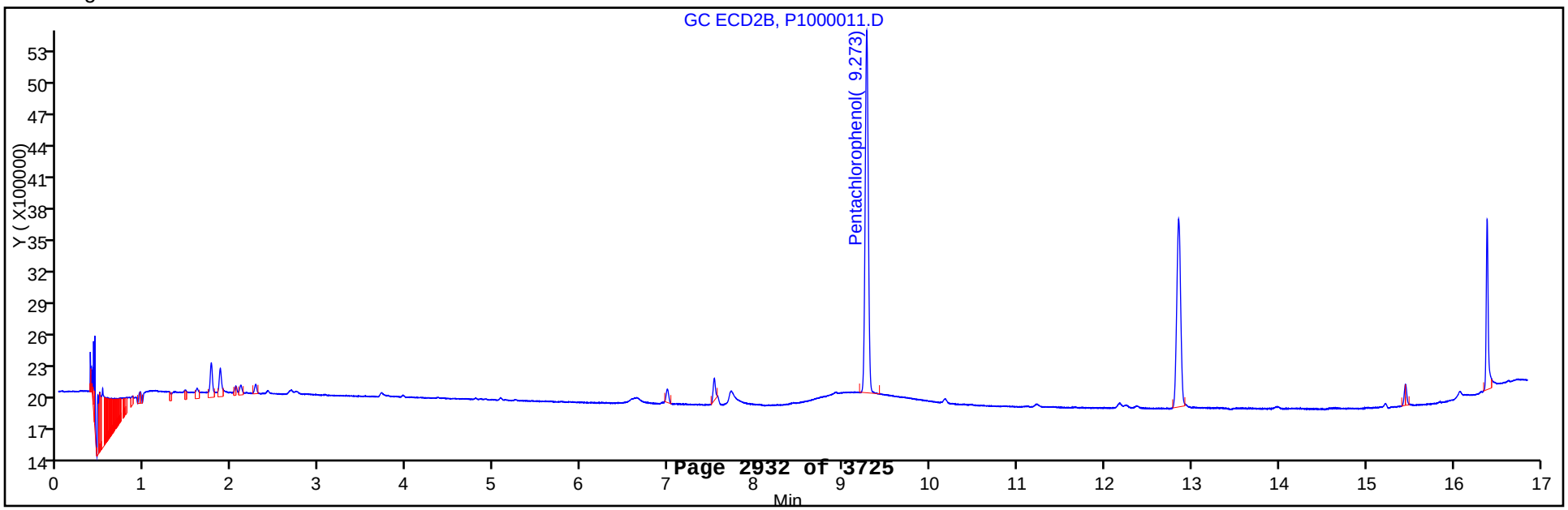
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000011.D

Injection Date:	18-Sep-2012 13:42:37	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	11
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000012.D		
Lims ID:	STD PCP3	Client ID:	
Inject. Date:	18-Sep-2012 14:06:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0013294-012		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	58097	Lims Sample ID:	12
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:13	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.312	8.312	0.000	17575409	0.009437	
2	9.274	9.274	0.000	6966343	0.008949	
					RPD = 5.31	

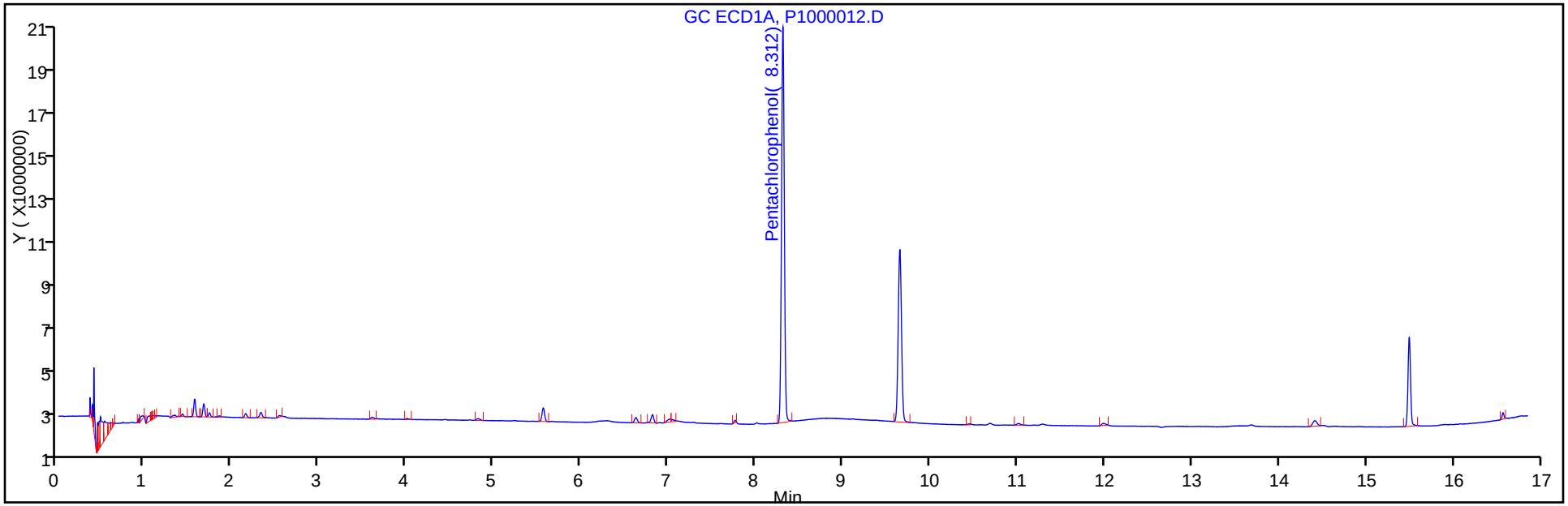
Report Date: 18-Sep-2012 19:47:14 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

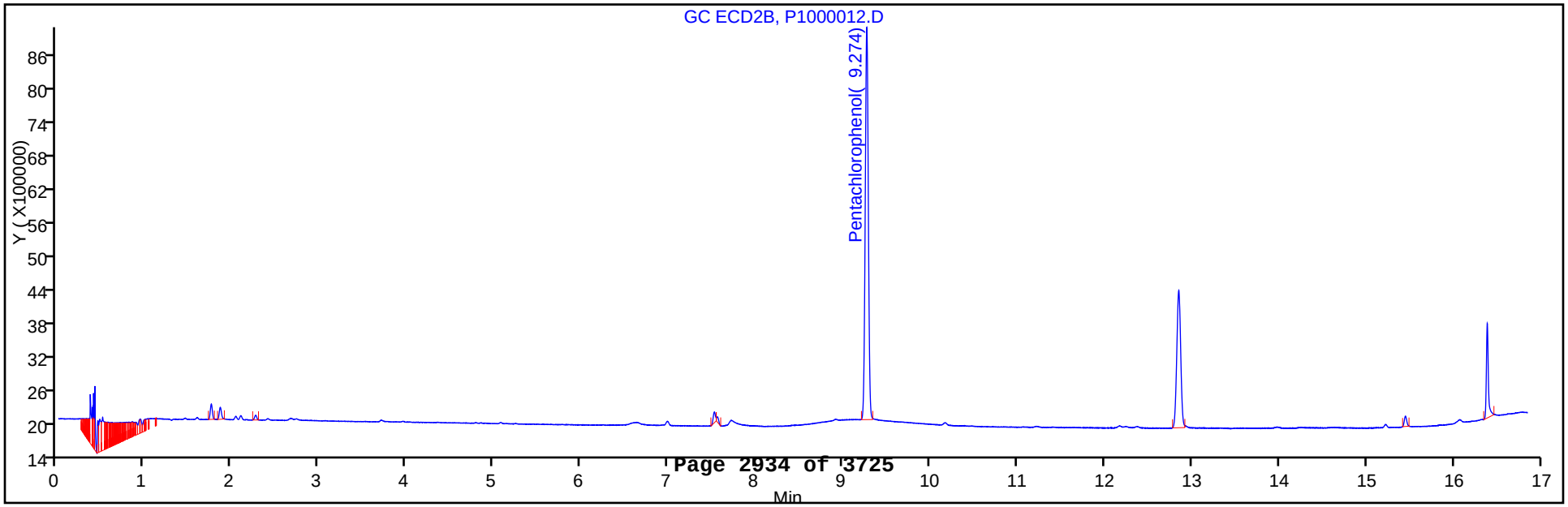
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000012.D

Injection Date:	18-Sep-2012 14:06:09	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	12
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000013.D		
Lims ID:	STD PCP4	Client ID:	
Inject. Date:	18-Sep-2012 14:29:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0013294-013		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	58097	Lims Sample ID:	13
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:14	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:42:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.312	8.312	0.000	38856694	0.0225	
2	9.275	9.274	0.001	15675254	0.0213	
					RPD = 5.62	

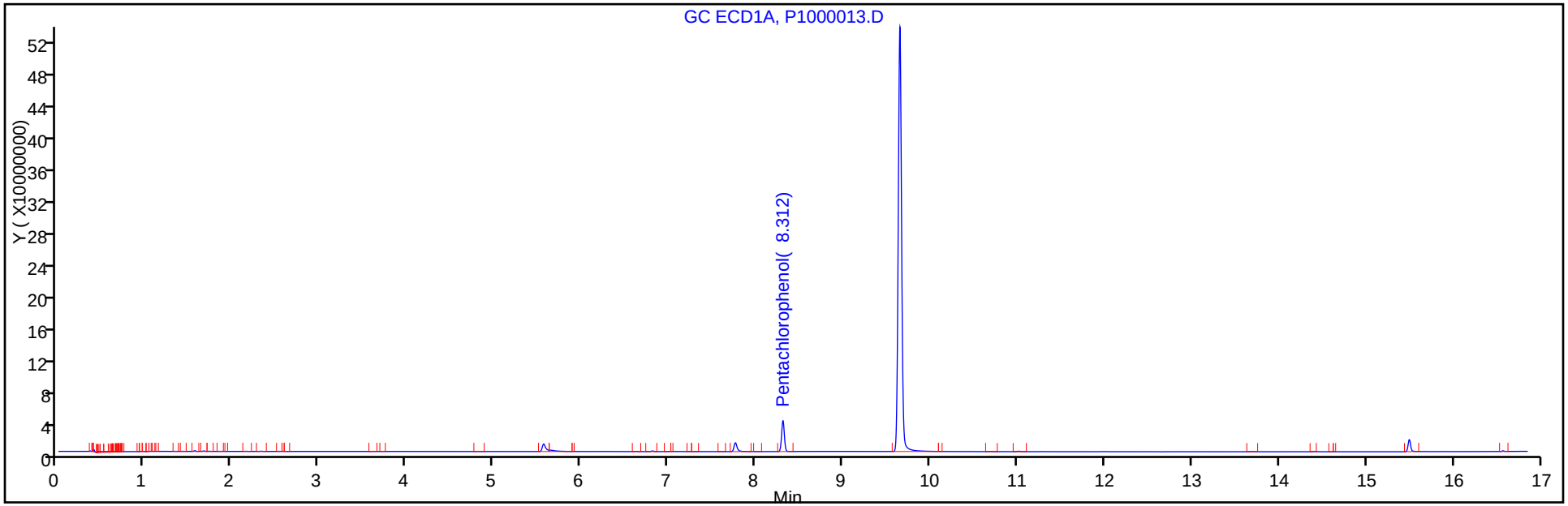
Report Date: 18-Sep-2012 19:47:15 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

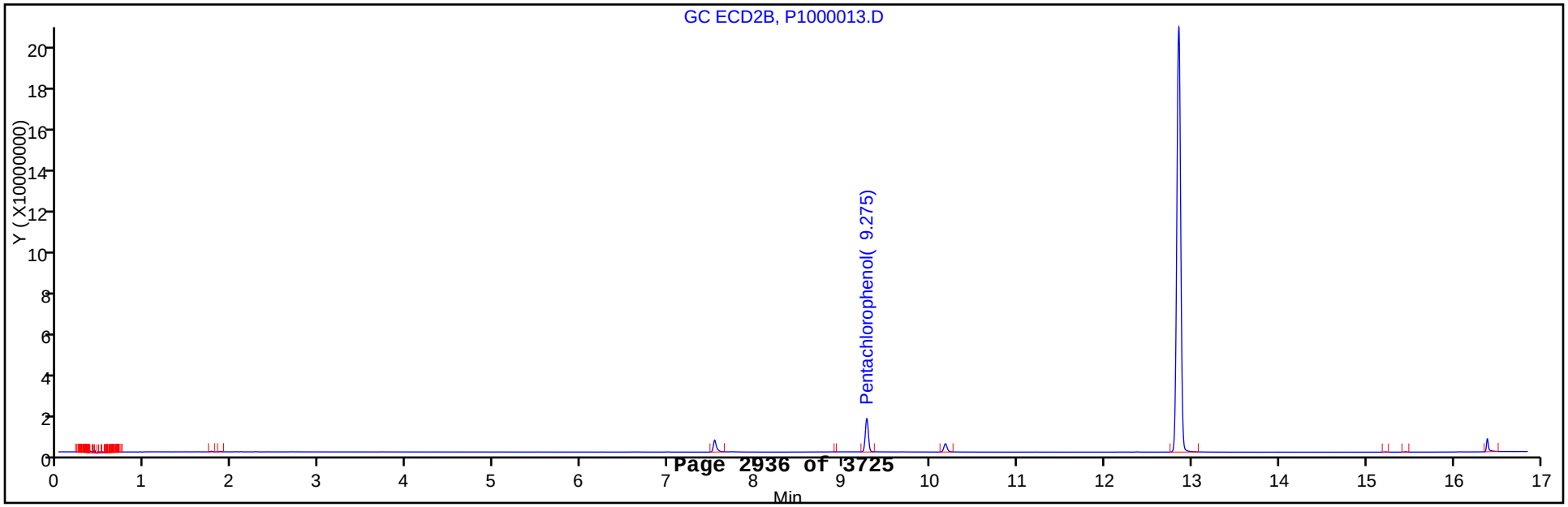
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000013.D

Injection Date:	18-Sep-2012 14:29:41	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	13
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000014.D		
Lims ID:	STD PCP5	Client ID:	
Inject. Date:	18-Sep-2012 14:53:17	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0013294-014		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	58097	Lims Sample ID:	14
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:15	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:42:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.313	8.312	0.001	73467680	0.0438	
2	9.273	9.274	-0.001	31458044	0.0436	
					RPD = 0.34	

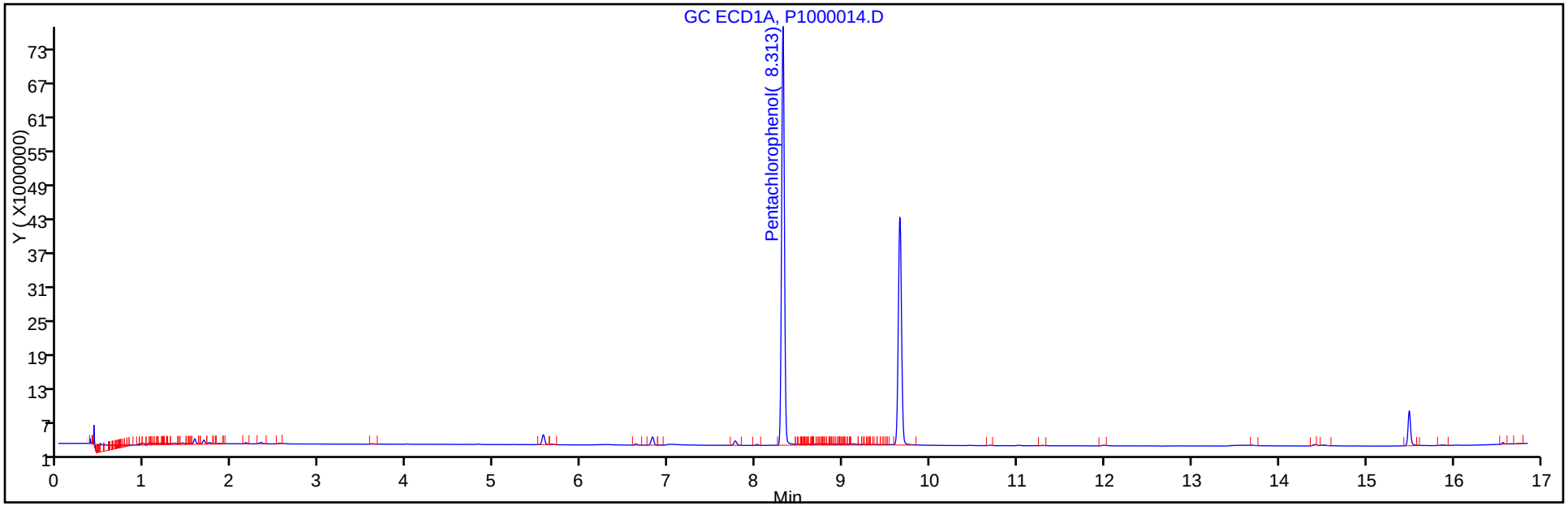
Report Date: 18-Sep-2012 19:47:16 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

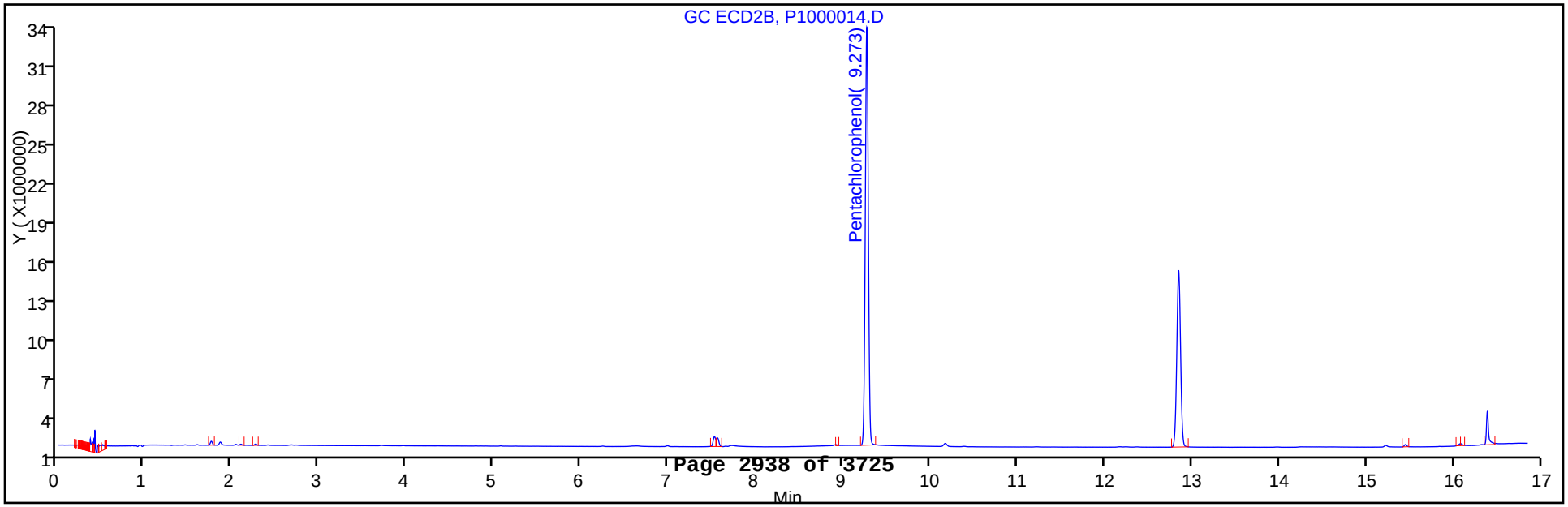
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000014.D

Injection Date:	18-Sep-2012 14:53:17	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	14
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Lims ID:	STD PCP6	Client ID:	
Inject. Date:	18-Sep-2012 15:16:51	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0013294-015		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	58097	Lims Sample ID:	15
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:16	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:42:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.311	8.312	-0.001	124746263	0.0752	
2	9.275	9.274	0.001	55152449	0.0771	
					RPD = 2.49	

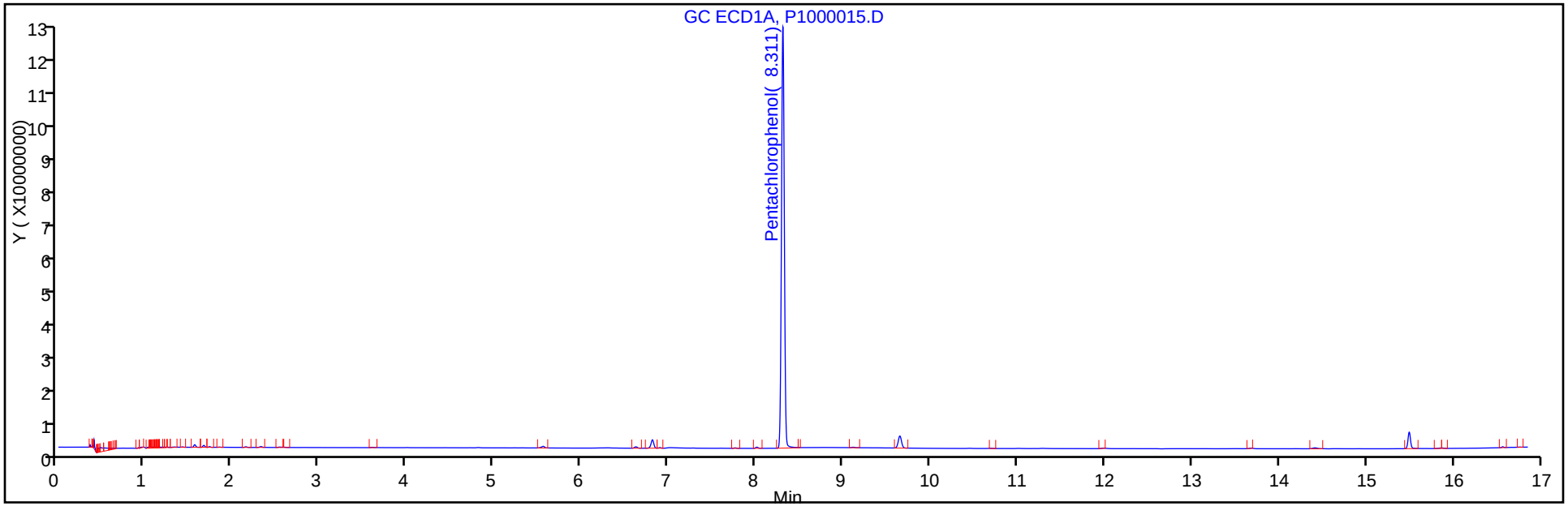
Report Date: 18-Sep-2012 19:47:16 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

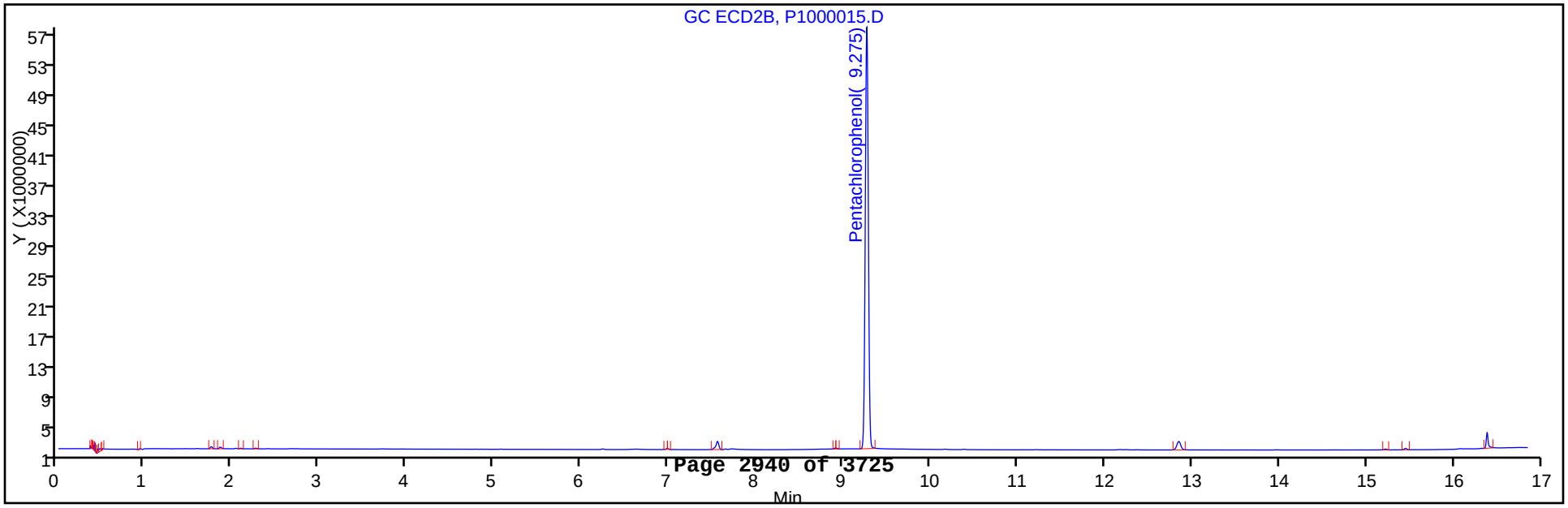
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D

Injection Date:	18-Sep-2012 15:16:51	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	15
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 58097

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2012 13:18 Calibration End Date: 09/18/2012 15:16 Calibration ID: 11461

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-58097/10	P1000010.D
Level 2	STD 240-58097/11	P1000011.D
Level 3	STD 240-58097/12	P1000012.D
Level 4	STD 240-58097/13	P1000013.D
Level 5	STD 240-58097/14	P1000014.D
Level 6	STD 240-58097/15	P1000015.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Pentachlorophenol	9.273	9.273	9.274	9.275	9.273	9.275					9.254 - 9.294	9.274

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 58097

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2012 13:18 Calibration End Date: 09/18/2012 15:16 Calibration ID: 11461

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-58097/10	P1000010.D
Level 2	STD 240-58097/11	P1000011.D
Level 3	STD 240-58097/12	P1000012.D
Level 4	STD 240-58097/13	P1000013.D
Level 5	STD 240-58097/14	P1000014.D
Level 6	STD 240-58097/15	P1000015.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Pentachlorophenol	2135842000 786451100	683002600 689405613	696634300	783762700	Lin1	643142.801	706599146							0.9940		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 58097

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2012 13:18 Calibration End Date: 09/18/2012 15:16 Calibration ID: 11461

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-58097/10	P1000010.D
Level 2	STD 240-58097/11	P1000011.D
Level 3	STD 240-58097/12	P1000012.D
Level 4	STD 240-58097/13	P1000013.D
Level 5	STD 240-58097/14	P1000014.D
Level 6	STD 240-58097/15	P1000015.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Pentachlorophenol	Lin1	1067921 55152449	3415013	6966343	15675254	31458044	0.000500 0.0800	0.00500	0.0100	0.0200	0.0400

Curve Type Legend:
Lin1 = Linear 1/Conc by Height

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000010.D		
Lims ID:	STD PCP1	Client ID:	
Inject. Date:	18-Sep-2012 13:18:53	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0013294-010		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	58097	Lims Sample ID:	10
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:11	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:40:00

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						M
1	8.312	8.312	0.000	3099846	0.000548	
2	9.273	9.274	-0.001	1067921	0.000601	M
					RPD = 9.32	

QC Flag Legend

Review Flags
M - Manually Integrated

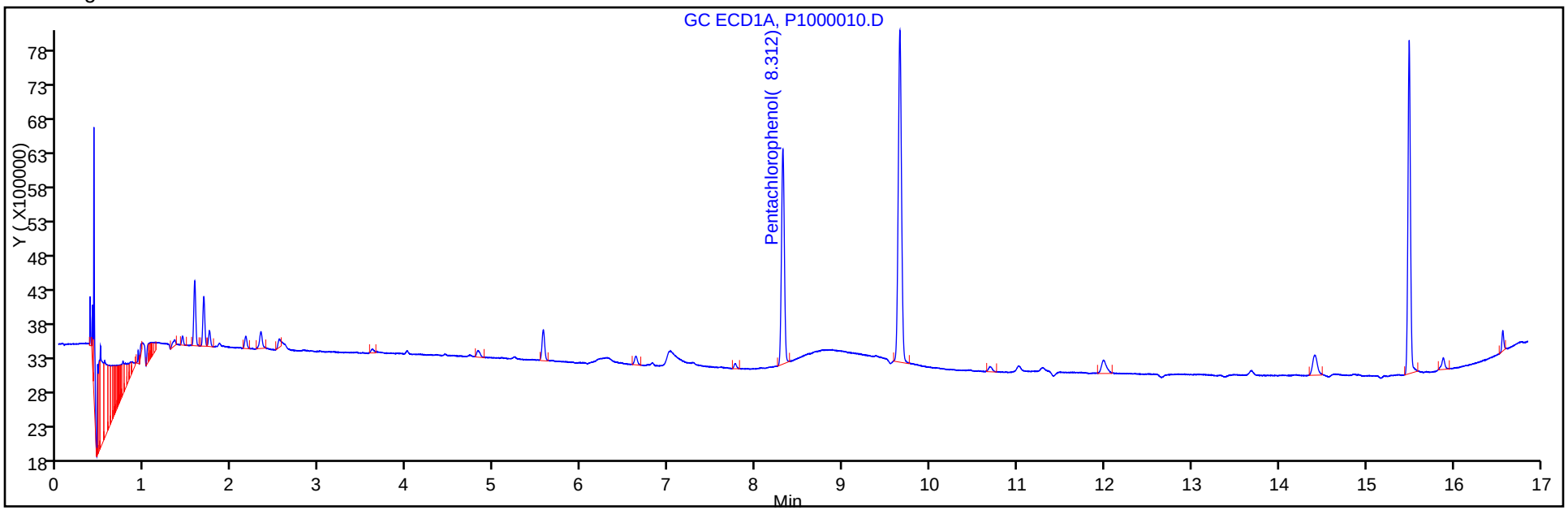
Report Date: 18-Sep-2012 19:47:12 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

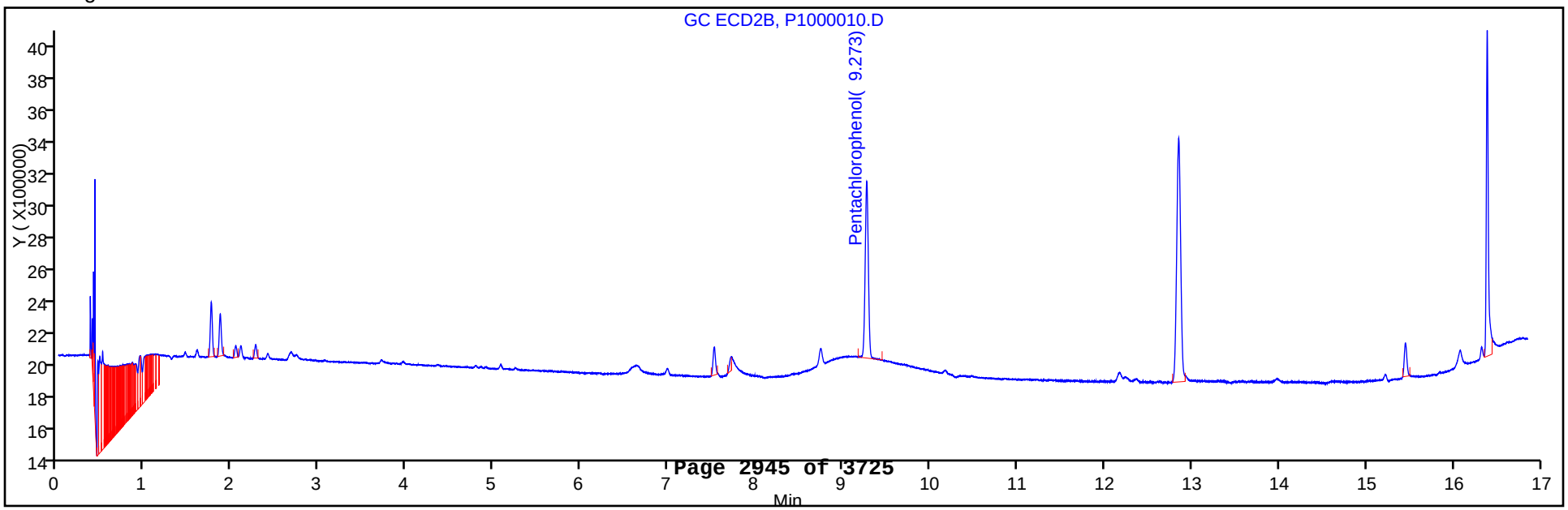
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000010.D

Injection Date:	18-Sep-2012 13:18:53	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

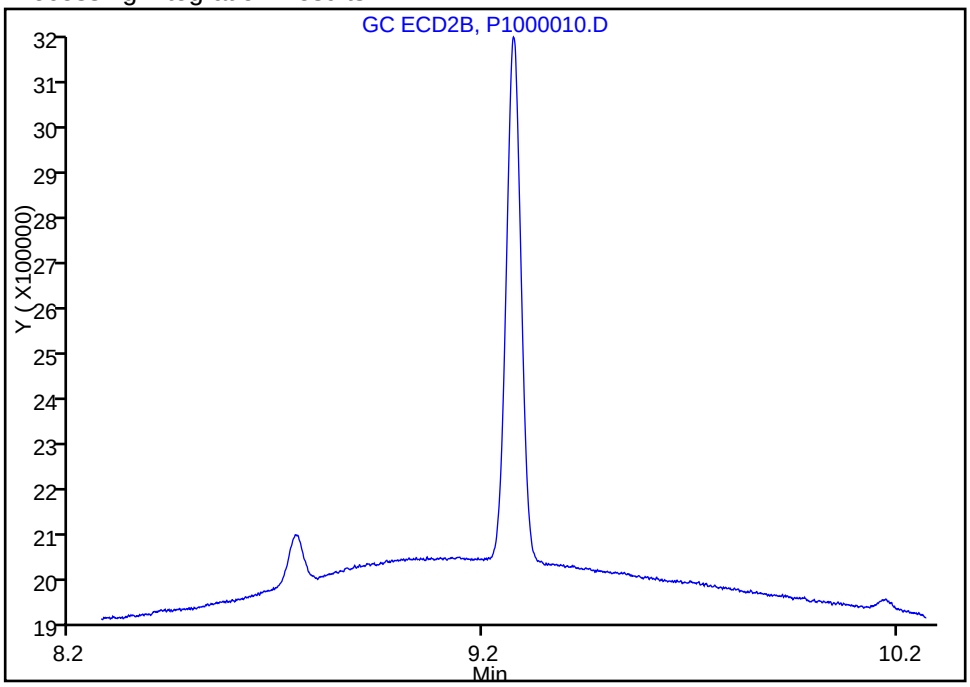
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000010.D		
Injection Date:	18-Sep-2012 13:18:53	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

11 Pentachlorophenol, Signal: 2, Type: quant, RT: 9.27, Det: GC ecd2b

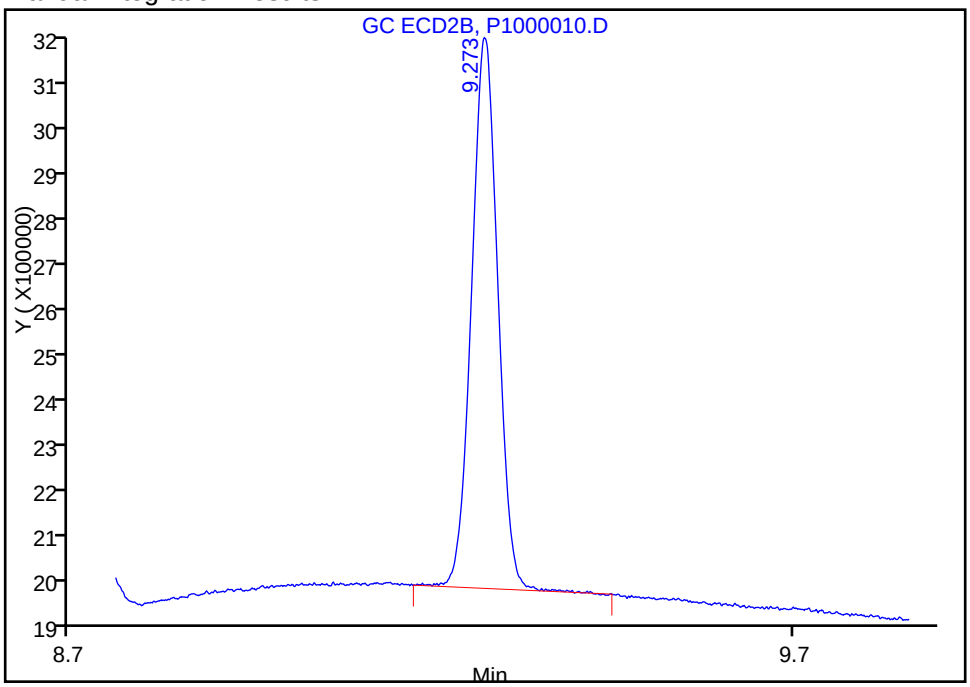
Not Detected
Expected RT: 9.27

Processing Integration Results



Manual Integration Results

RT: 9.27
Response: 1067921
Amount: 0.000601



Reviewer: roachc, 18-Sep-2012 19:40:00
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000011.D		
Lims ID:	STD PCP2	Client ID:	
Inject. Date:	18-Sep-2012 13:42:37	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0013294-011		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	58097	Lims Sample ID:	11
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:12	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:40:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						M
1	8.312	8.312	0.000	8732502	0.004006	
2	9.273	9.274	-0.001	3415013	0.003923	M
					RPD = 2.11	

QC Flag Legend

Review Flags
M - Manually Integrated

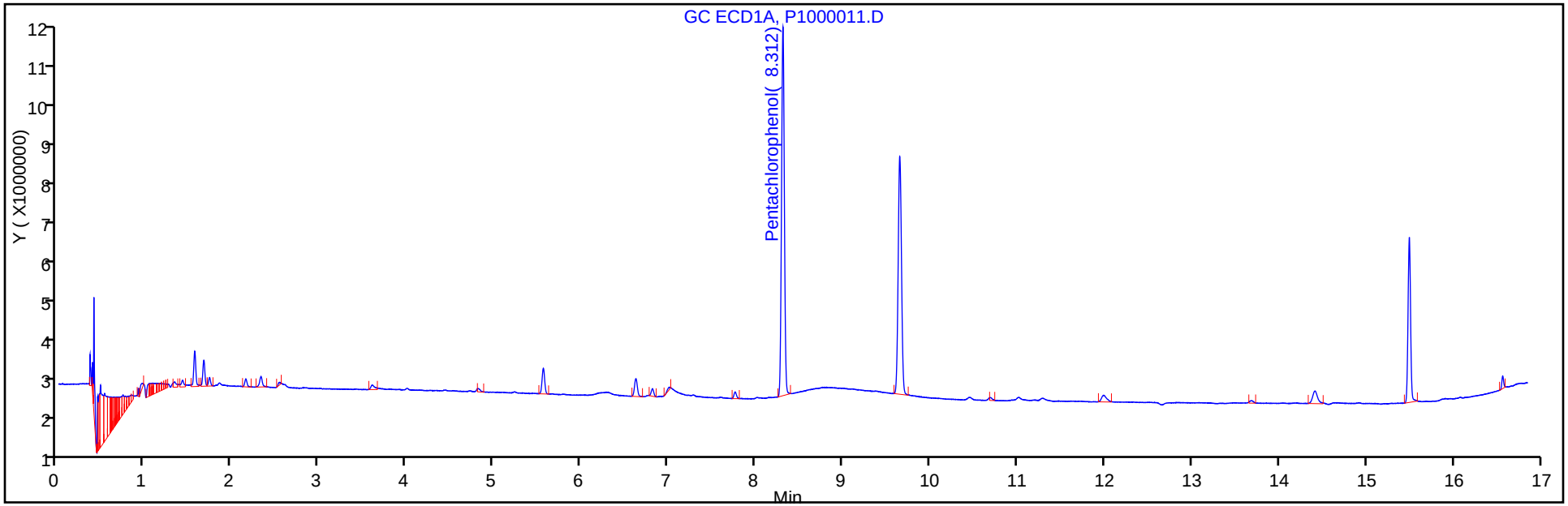
Report Date: 18-Sep-2012 19:47:13 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

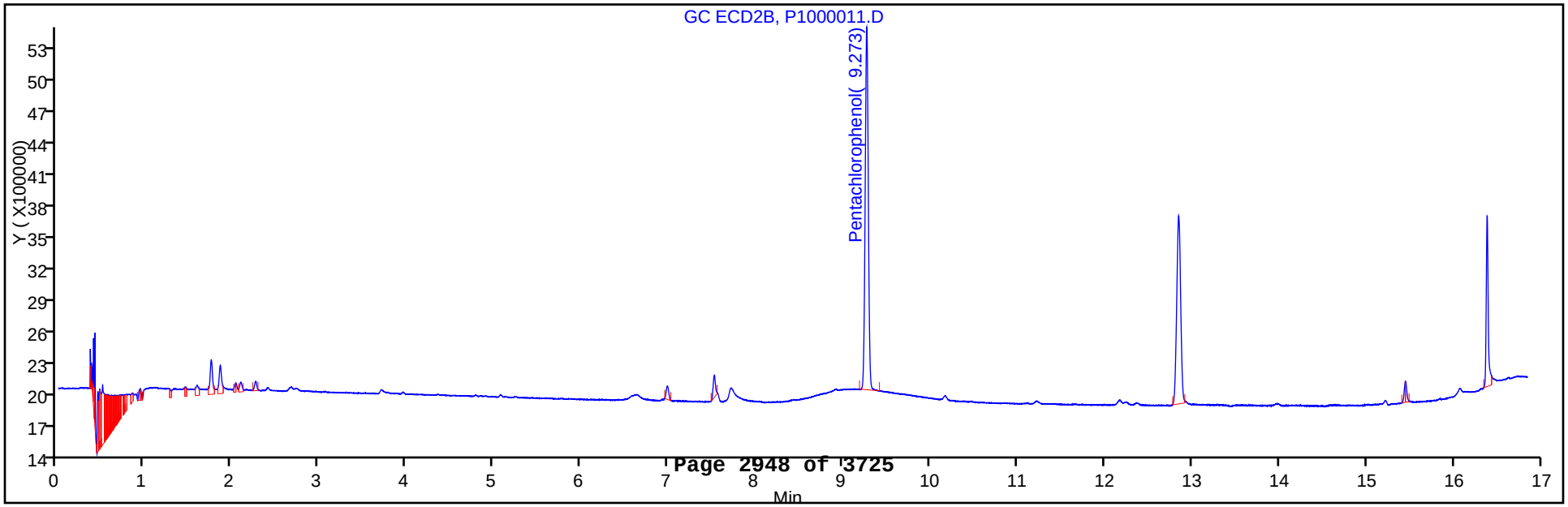
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000011.D

Injection Date:	18-Sep-2012 13:42:37	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	11
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

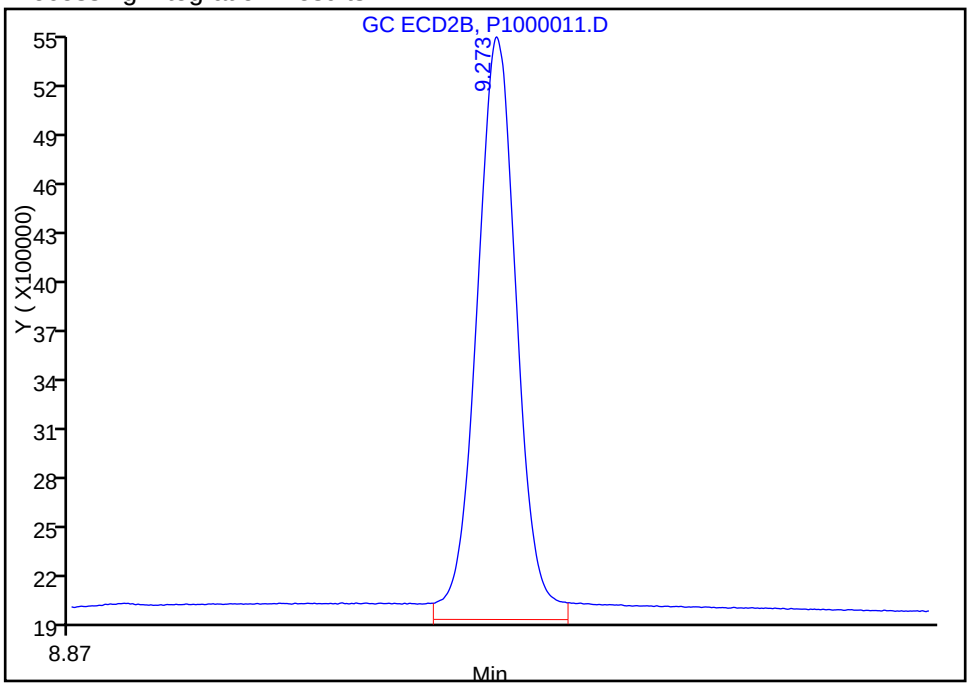
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000011.D		
Injection Date:	18-Sep-2012 13:42:37	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	11
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

11 Pentachlorophenol, Signal: 2, Type: quant, RT: 9.27, Det: GC ecd2b

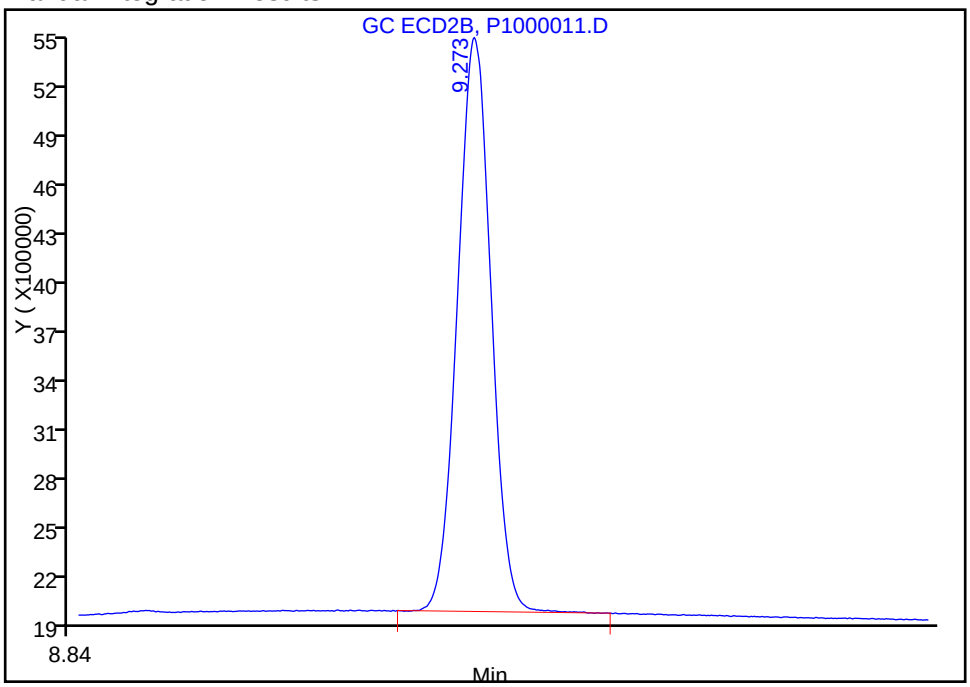
Processing Integration Results

RT: 9.27
Response: 3506411
Amount: 0.004409



Manual Integration Results

RT: 9.27
Response: 3415013
Amount: 0.003923



Reviewer: roachc, 18-Sep-2012 19:40:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000012.D		
Lims ID:	STD PCP3	Client ID:	
Inject. Date:	18-Sep-2012 14:06:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0013294-012		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	58097	Lims Sample ID:	12
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:13	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.312	8.312	0.000	17575409	0.009437	
2	9.274	9.274	0.000	6966343	0.008949	
					RPD = 5.31	

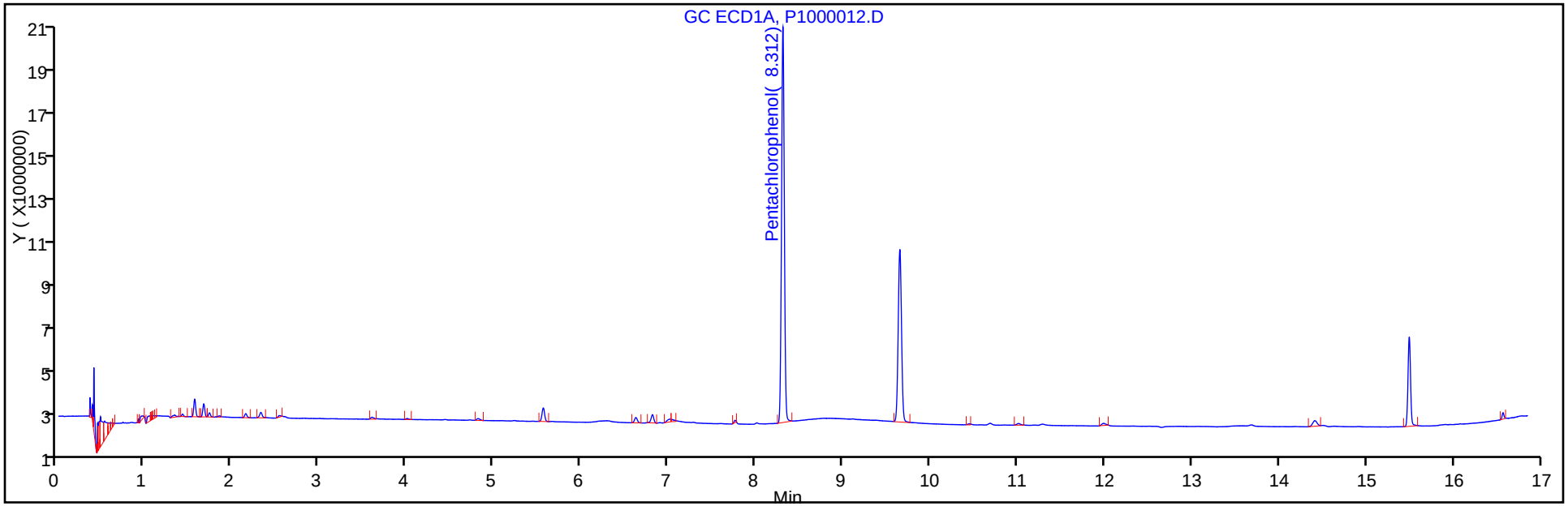
Report Date: 18-Sep-2012 19:47:14 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

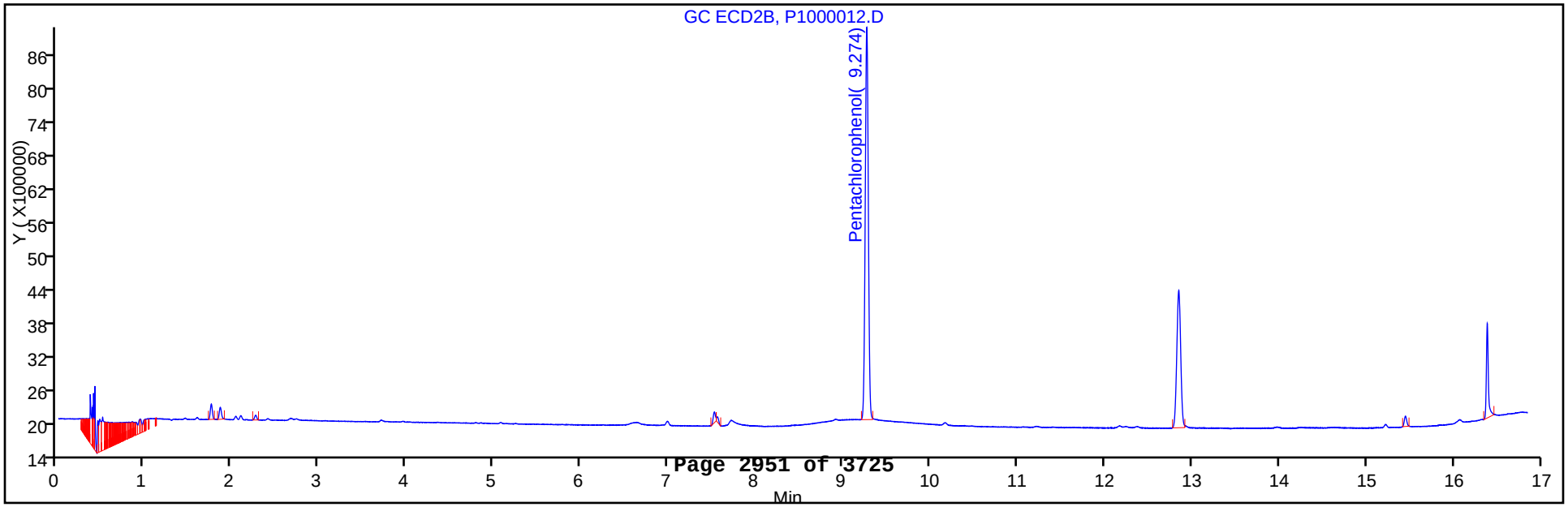
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000012.D

Injection Date:	18-Sep-2012 14:06:09	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	12
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000013.D		
Lims ID:	STD PCP4	Client ID:	
Inject. Date:	18-Sep-2012 14:29:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0013294-013		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	58097	Lims Sample ID:	13
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:14	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:42:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.312	8.312	0.000	38856694	0.0225	
2	9.275	9.274	0.001	15675254	0.0213	
					RPD = 5.62	

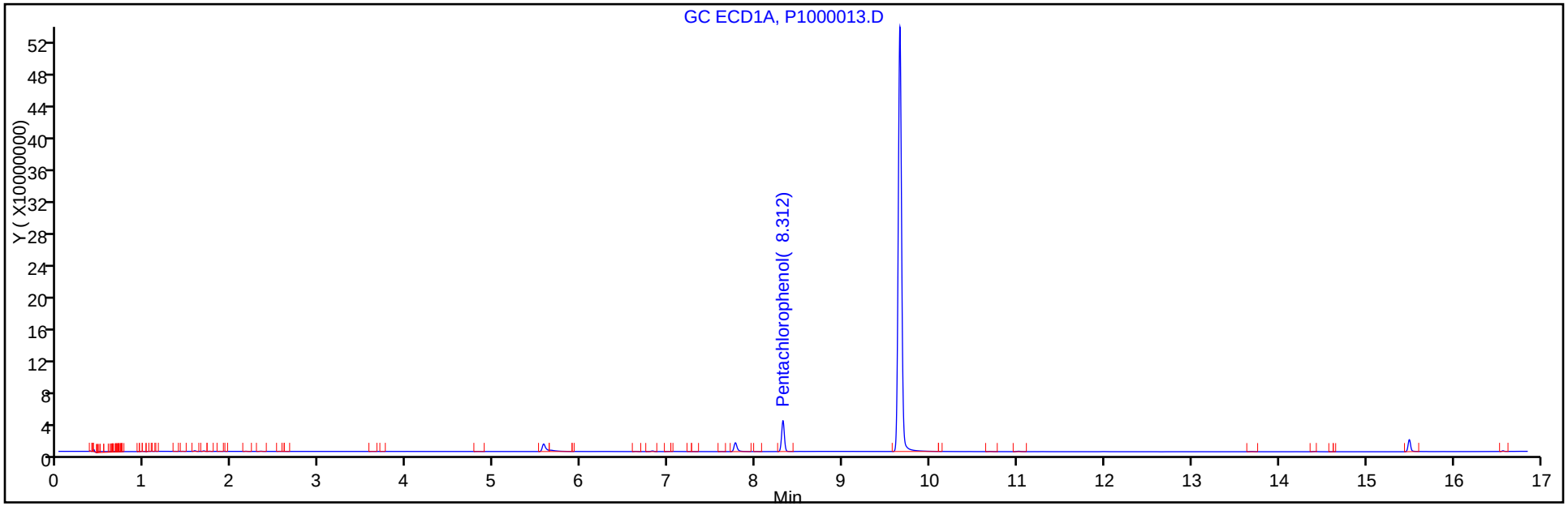
Report Date: 18-Sep-2012 19:47:15 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

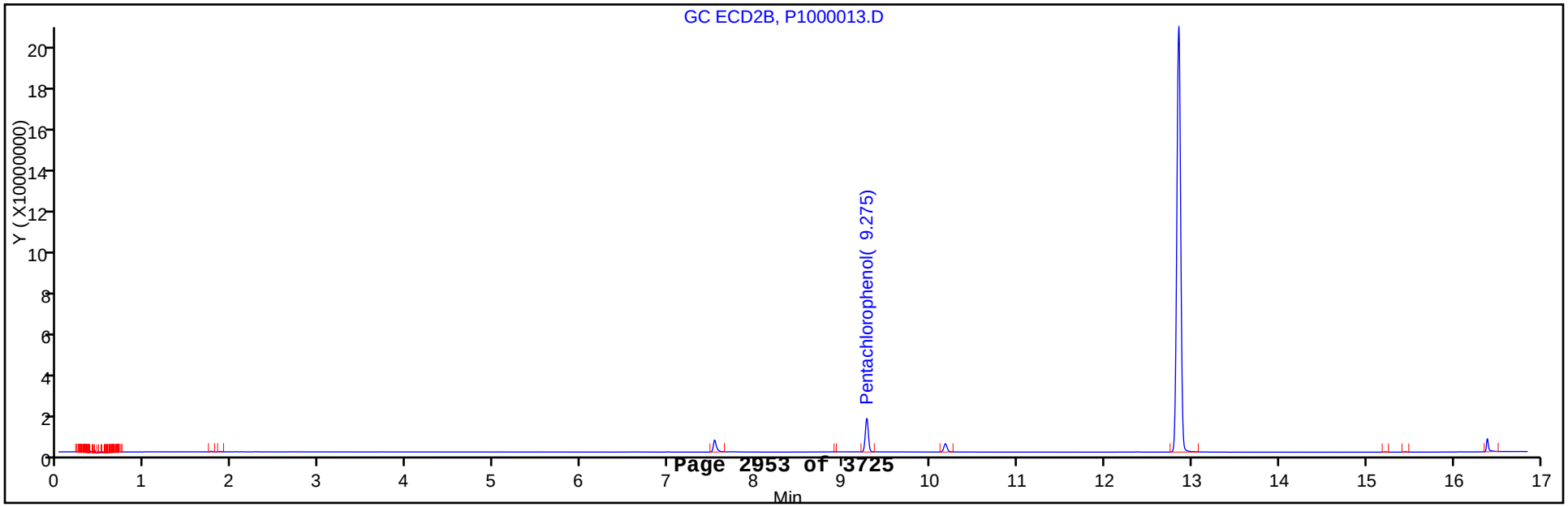
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000013.D

Injection Date:	18-Sep-2012 14:29:41	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	13
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000014.D		
Lims ID:	STD PCP5	Client ID:	
Inject. Date:	18-Sep-2012 14:53:17	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0013294-014		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	58097	Lims Sample ID:	14
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:15	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:42:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.313	8.312	0.001	73467680	0.0438	
2	9.273	9.274	-0.001	31458044	0.0436	
					RPD = 0.34	

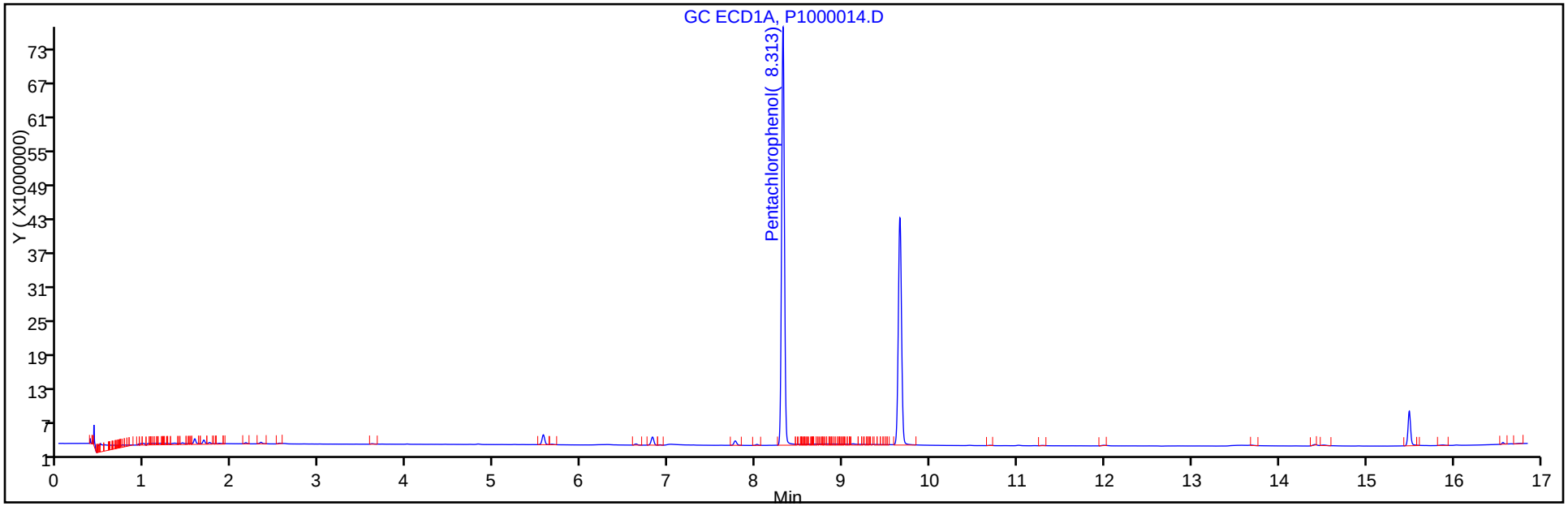
Report Date: 18-Sep-2012 19:47:16 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

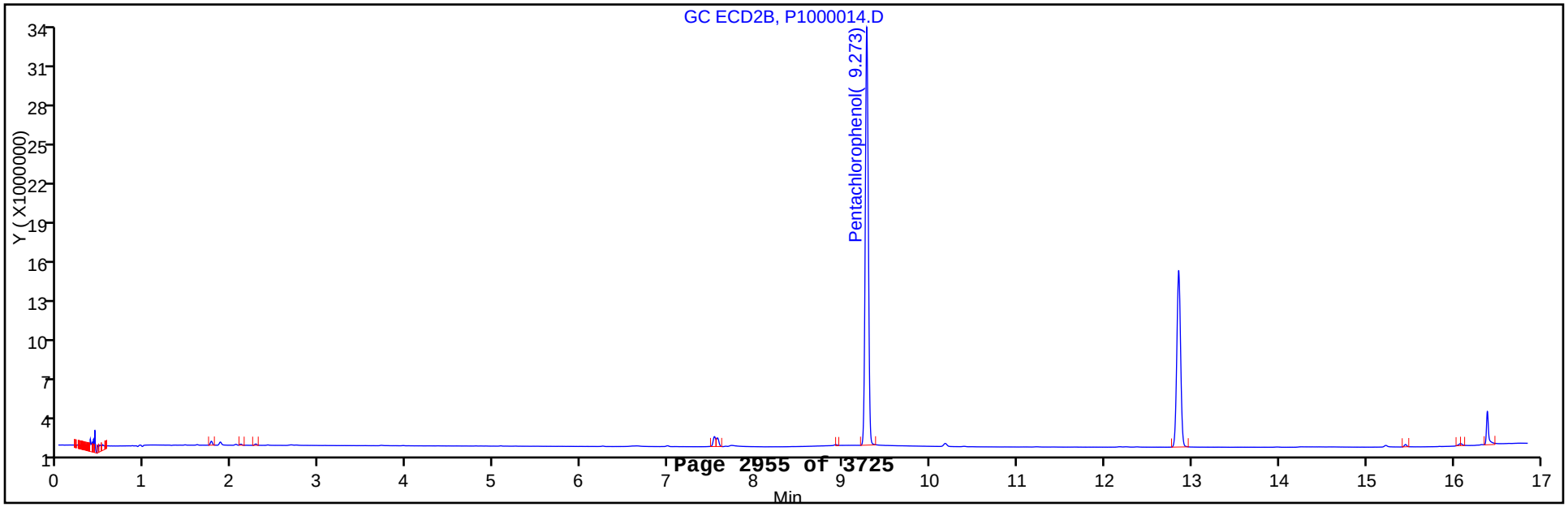
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000014.D

Injection Date:	18-Sep-2012 14:53:17	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	14
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Lims ID:	STD PCP6	Client ID:	
Inject. Date:	18-Sep-2012 15:16:51	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0013294-015		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	58097	Lims Sample ID:	15
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:16	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:42:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.311	8.312	-0.001	124746263	0.0752	
2	9.275	9.274	0.001	55152449	0.0771	
					RPD = 2.49	

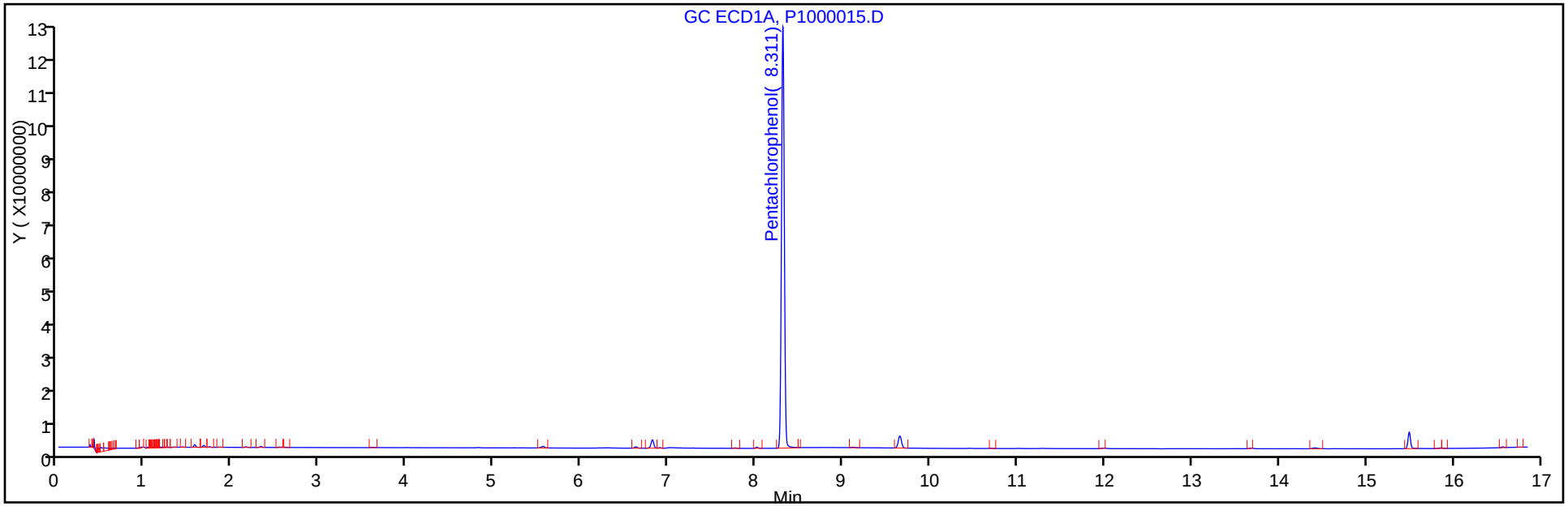
Report Date: 18-Sep-2012 19:47:17 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

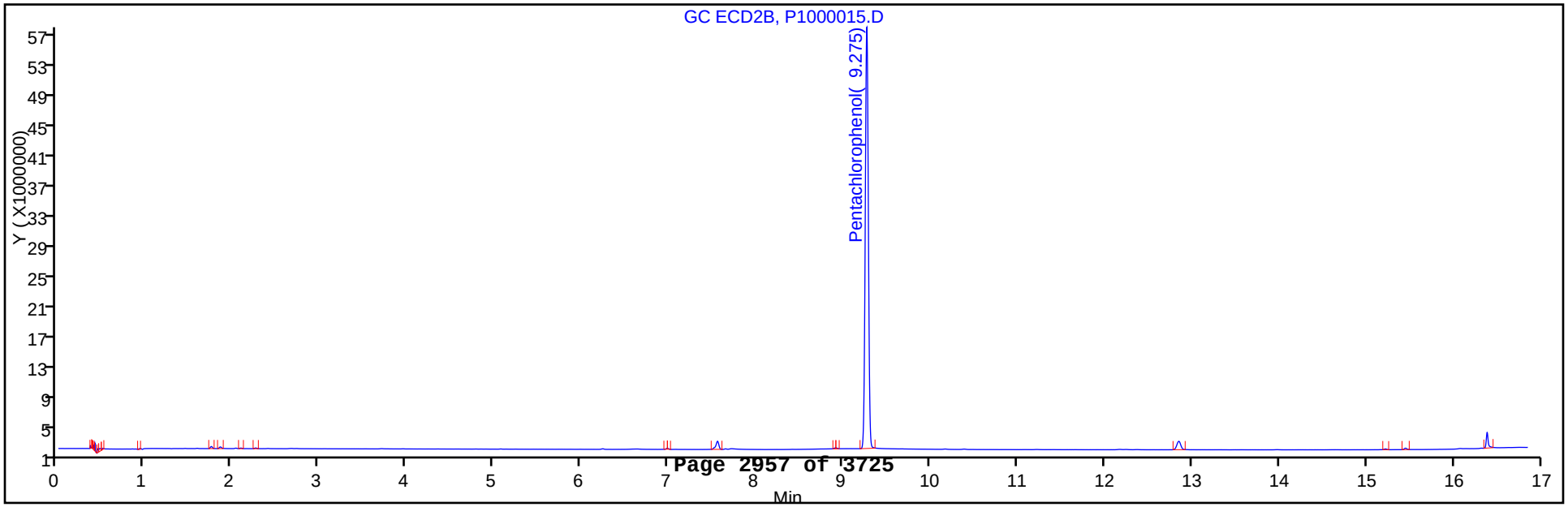
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D

Injection Date:	18-Sep-2012 15:16:51	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	15
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67147

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:53 Calibration End Date: 12/03/2012 19:52 Calibration ID: 12573

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67147/6	P1000006.D
Level 2	STD 240-67147/7	P1000007.D
Level 3	STD 240-67147/8	P1000008.D
Level 4	STD 240-67147/9	P1000009.D
Level 5	STD 240-67147/10	P1000010.D
Level 6	STD 240-67147/11	P1000011.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Dalapon	1.248	1.248	1.248	1.247	1.248	1.248					1.227 - 1.267	1.248
Dicamba	7.147	7.144	7.145	7.144	7.146	7.144					7.124 - 7.164	7.145
MCPP	7.431	7.429	7.429	7.429	7.431	7.430					7.408 - 7.448	7.430
MCPA	7.593	7.592	7.593	7.592	7.593	7.592					7.571 - 7.611	7.593
Dichlorprop	7.965	7.964	7.964	7.963	7.962	7.961					7.942 - 7.982	7.963
2,4-D	8.208	8.204	8.202	8.200	8.199	8.197					8.179 - 8.219	8.202
Silvex (2,4,5-TP)	9.083	9.079	9.079	9.078	9.078	9.075					9.057 - 9.097	9.079
2,4,5-T	9.398	9.396	9.394	9.392	9.391	9.387					9.370 - 9.410	9.393
2,4-DB	10.029	10.024	10.024	10.020	10.019	10.014					10.001 - 10.041	10.022
Dinoseb	11.235	11.234	11.231	11.232	11.230	11.229					11.199 - 11.259	11.232
2,4-Dichlorophenylacetic acid	6.981	6.979	6.979	6.979	6.980	6.977					6.957 - 6.997	6.979

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67147

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:53 Calibration End Date: 12/03/2012 19:52 Calibration ID: 12573

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67147/6	P1000006.D
Level 2	STD 240-67147/7	P1000007.D
Level 3	STD 240-67147/8	P1000008.D
Level 4	STD 240-67147/9	P1000009.D
Level 5	STD 240-67147/10	P1000010.D
Level 6	STD 240-67147/11	P1000011.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Dalapon	551507600 402903031	503534450 379025088	471768525	435733513	Ave		457412034				14.0		20.0			
Dicamba	714015800 557606444	682442500 518453384	640497675	594144038	Ave		617859973				12.0		20.0			
MCPP	861638 497772	840381 434111	737903	605271	Qua	1228039.70	534037.963	-1881.4713						0.9980		0.9900
MCPA	1315060 629725	1147675 546511	962182	766358	Qua	1981824.59	652678.717	-2164.9456						0.9980		0.9900
Dichlorprop	163145150 119660147	159229600 110630689	145164950	132790381	Ave		138436820				15.0		20.0			
2,4-D	165772300 138838872	158626300 131934363	158911513	149145781	Ave		150538188				8.7		20.0			
Silvex (2,4,5-TP)	799153200 731277713	786139000 721755906	778529750	763810300	Ave		763444311				4.1		20.0			
2,4,5-T	601240200 620254688	620375400 619353063	608261000	613258200	Ave		613790425				1.3		20.0			
2,4-DB	65756600 59773497	67626925 60979647	65490575	63429494	Ave		63842789.6				4.7		20.0			
Dinoseb	581582000 454856646	557822000 442825271	516867750	481228875	Ave		505863757				11.0		20.0			
2,4-Dichlorophenylacetic acid	177523500 129357034	168272800 120052263	157149838	142057950	Ave		149068897				15.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67147

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:53 Calibration End Date: 12/03/2012 19:52 Calibration ID: 12573

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67147/6	P1000006.D
Level 2	STD 240-67147/7	P1000007.D
Level 3	STD 240-67147/8	P1000008.D
Level 4	STD 240-67147/9	P1000009.D
Level 5	STD 240-67147/10	P1000010.D
Level 6	STD 240-67147/11	P1000011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	5515076 121288028	10070689	18870741	34858681	64464485	0.0100 0.320	0.0200	0.0400	0.0800	0.160
Dicamba	Ave	7140158 165905083	13648850	25619907	47531523	89217031	0.0100 0.320	0.0200	0.0400	0.0800	0.160
MCPP	Qua	1723275 27783128	3361524	5903220	9684337	15928704	2.00 64.0	4.00	8.00	16.0	32.0
MCPA	Qua	2630120 34976673	4590699	7697459	12261728	20151184	2.00 64.0	4.00	8.00	16.0	32.0
Dichlorprop	Ave	3262903 70803641	6369184	11613196	21246461	38291247	0.0200 0.640	0.0400	0.0800	0.160	0.320
2,4-D	Ave	3315446 84437992	6345052	12712921	23863325	44428439	0.0200 0.640	0.0400	0.0800	0.160	0.320
Silvex (2,4,5-TP)	Ave	3995766 115480945	7861390	15570595	30552412	58502217	0.00500 0.160	0.0100	0.0200	0.0400	0.0800
2,4,5-T	Ave	3006201 99096490	6203754	12165220	24530328	49620375	0.00500 0.160	0.0100	0.0200	0.0400	0.0800
2,4-DB	Ave	1315132 39026974	2705077	5239246	10148719	19127519	0.0200 0.640	0.0400	0.0800	0.160	0.320
Dinoseb	Ave	1744746 42511226	3346932	6202413	11549493	21833119	0.00300 0.0960	0.00600	0.0120	0.0240	0.0480
2,4-Dichlorophenylacetic acid	Ave	3550470 76833448	6730912	12571987	22729272	41394251	0.0200 0.640	0.0400	0.0800	0.160	0.320

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Lims ID:	Std Corp1	Client ID:	
Inject. Date:	03-Dec-2012 17:53:38	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0015481-006		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	67147	Lims Sample ID:	6
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:01	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						M
1	1.248	1.247	0.001	5515076	0.0121	M
2	1.388	1.387	0.001	1656117	0.0114	M
					RPD = 5.61	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.981	6.977	0.004	3550470	0.0238	
2	7.631	7.629	0.002	1425326	0.0230	
					RPD = 3.67	
6 Dicamba						
1	7.147	7.144	0.003	7140158	0.0116	
2	7.798	7.797	0.001	2745368	0.0107	
					RPD = 7.36	
10 MCPP						
1	7.431	7.428	0.003	1723275	0.9304	
2	7.983	7.982	0.001	711202	1.19	
					RPD = 24.76	
9 MCPA						
1	7.593	7.591	0.002	2630120	1.00	
2	8.235	8.233	0.002	1124243	1.35	
					RPD = 30.42	
7 Dichlorprop						M
1	7.965	7.962	0.003	3262903	0.0236	
2	8.597	8.593	0.004	1207535	0.0229	M
					RPD = 2.86	
2 2,4-D						M
1	8.208	8.199	0.009	3315446	0.0220	
2	8.955	8.950	0.005	1344688	0.0217	M
					RPD = 1.54	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						M
1	9.083	9.077	0.006	3995766	0.005234	
2	9.892	9.889	0.003	1480595	0.005215	M
					RPD = 0.36	
1 2,4,5-T						
1	9.398	9.390	0.008	3006201	0.004898	
2	10.371	10.367	0.004	1228064	0.005062	
					RPD = 3.29	
3 2,4-DB						M
1	10.029	10.021	0.008	1315132	0.0206	
2	11.020	11.017	0.003	588019	0.0221	M
					RPD = 7.20	
8 Dinoseb						M
1	11.235	11.229	0.006	1744746	0.003449	
2	11.397	11.396	0.001	660700	0.003417	M
					RPD = 0.94	

QC Flag Legend

Review Flags
M - Manually Integrated

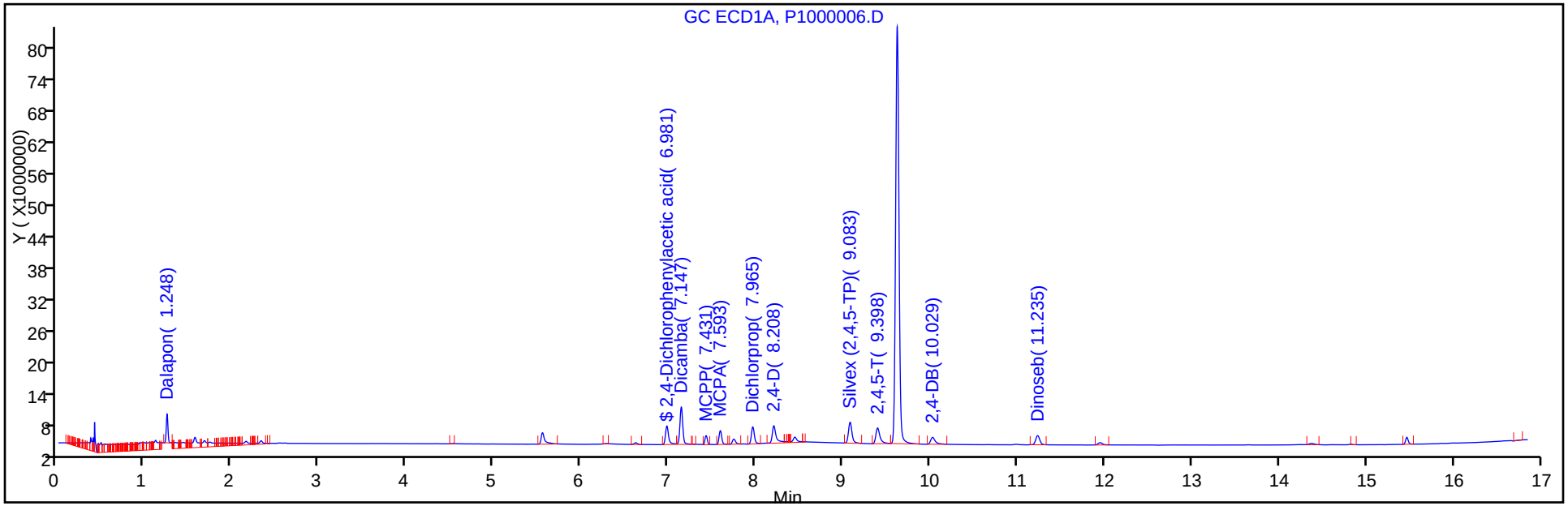
Report Date: 04-Dec-2012 09:15:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

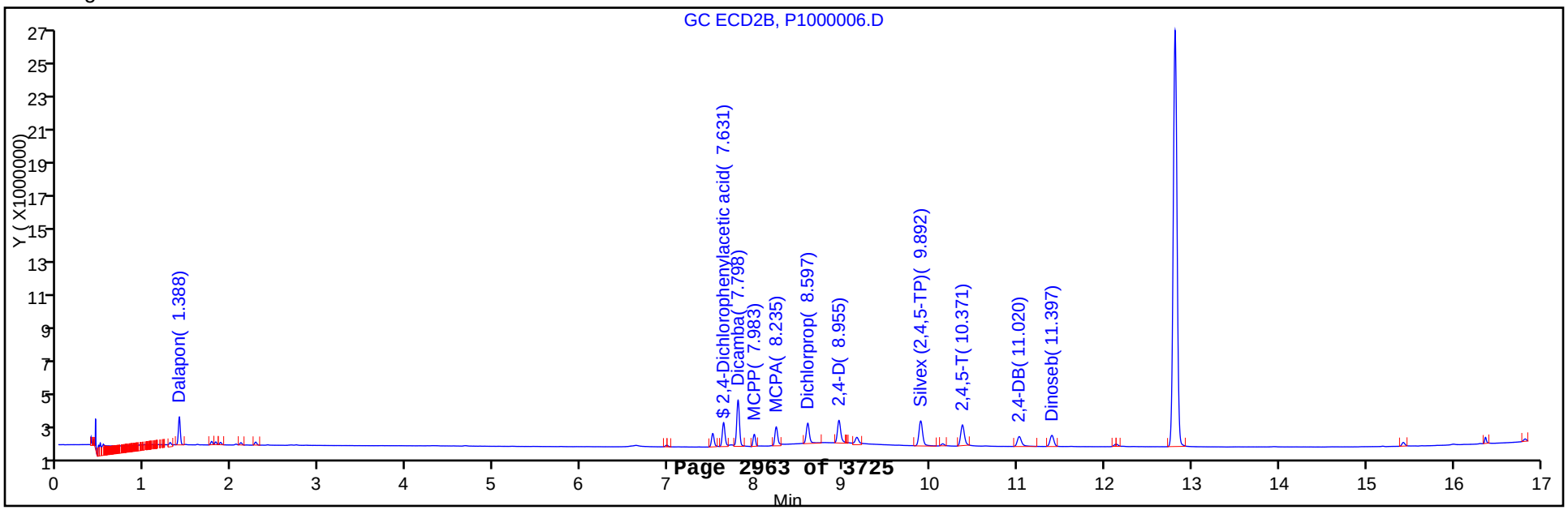
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D

Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

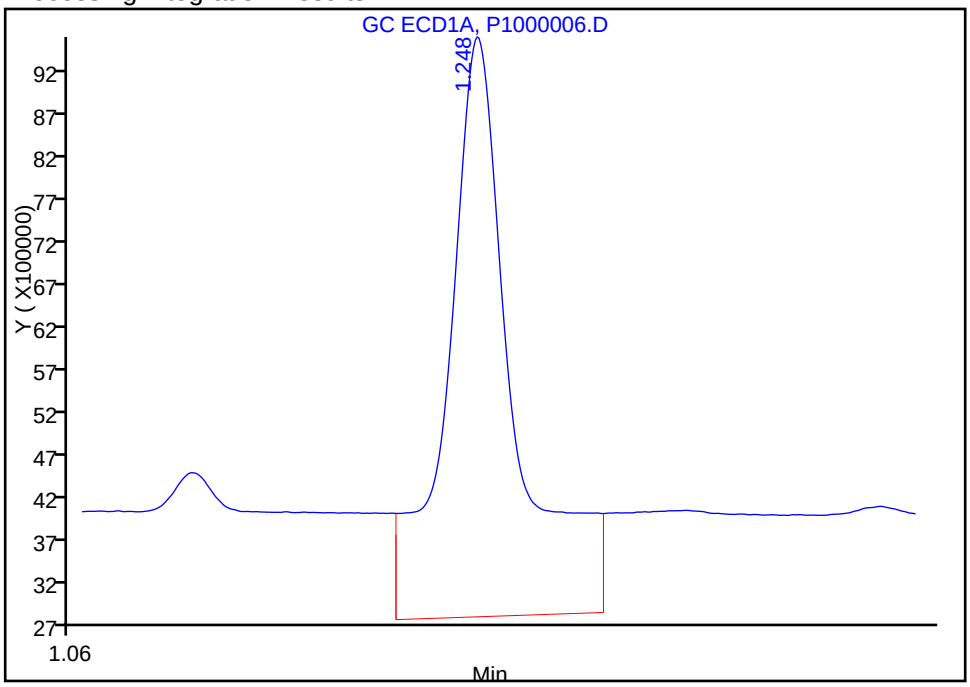
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 Dalapon, Signal: 1, Type: quant, RT: 1.25, Det: GC ECD1A

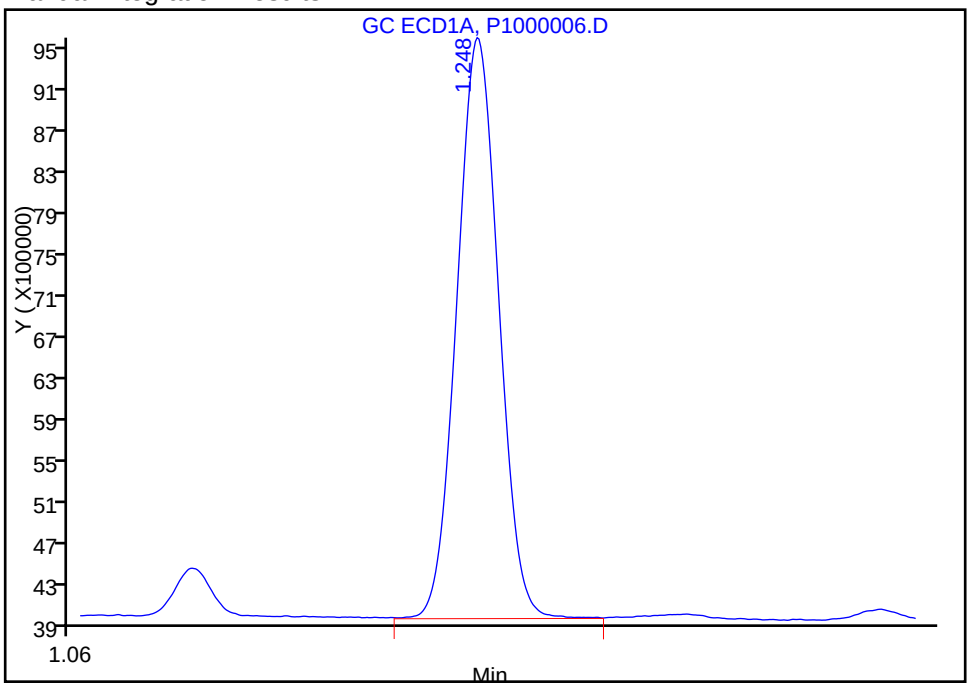
Processing Integration Results

RT: 1.25
Response: 6702579
Amount: 0.009730



Manual Integration Results

RT: 1.25
Response: 5515076
Amount: 0.012057



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000007.D		
Lims ID:	Std Corp2	Client ID:	
Inject. Date:	03-Dec-2012 18:17:22	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015481-007		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	67147	Lims Sample ID:	7
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:16

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.247	0.001	10070689	0.0220	
2	1.388	1.387	0.001	3068558	0.0211	
					RPD = 4.15	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.977	0.002	6730912	0.0452	
2	7.629	7.629	0.000	2643576	0.0426	
					RPD = 5.85	
6 Dicamba						
1	7.144	7.144	0.000	13648850	0.0221	
2	7.796	7.797	-0.001	5254637	0.0205	
					RPD = 7.23	
10 MCPP						
1	7.429	7.428	0.001	3361524	4.05	
2	7.981	7.982	-0.001	1330598	3.97	
					RPD = 2.01	
9 MCPA						
1	7.592	7.591	0.001	4590699	4.05	
2	8.234	8.233	0.001	1871817	4.22	
					RPD = 4.16	
7 Dichlorprop						
1	7.964	7.962	0.002	6369184	0.0460	
2	8.594	8.593	0.001	2219646	0.0421	
					RPD = 8.86	
2 2,4-D						
1	8.204	8.199	0.005	6345052	0.0421	
2	8.953	8.950	0.003	2548293	0.0411	
					RPD = 2.53	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.079	9.077	0.002	7861390	0.0103	
2	9.892	9.889	0.003	2857261	0.0101	
					RPD = 2.29	
1 2,4,5-T						
1	9.396	9.390	0.006	6203754	0.0101	
2	10.369	10.367	0.002	2363743	0.009743	
					RPD = 3.67	
3 2,4-DB						
1	10.024	10.021	0.003	2705077	0.0424	
2	11.022	11.017	0.005	1102745	0.0415	
					RPD = 2.04	
8 Dinoseb						M
1	11.234	11.229	0.005	3346932	0.006616	
2	11.398	11.396	0.002	1258558	0.006509	M
					RPD = 1.64	

QC Flag Legend

Review Flags
M - Manually Integrated

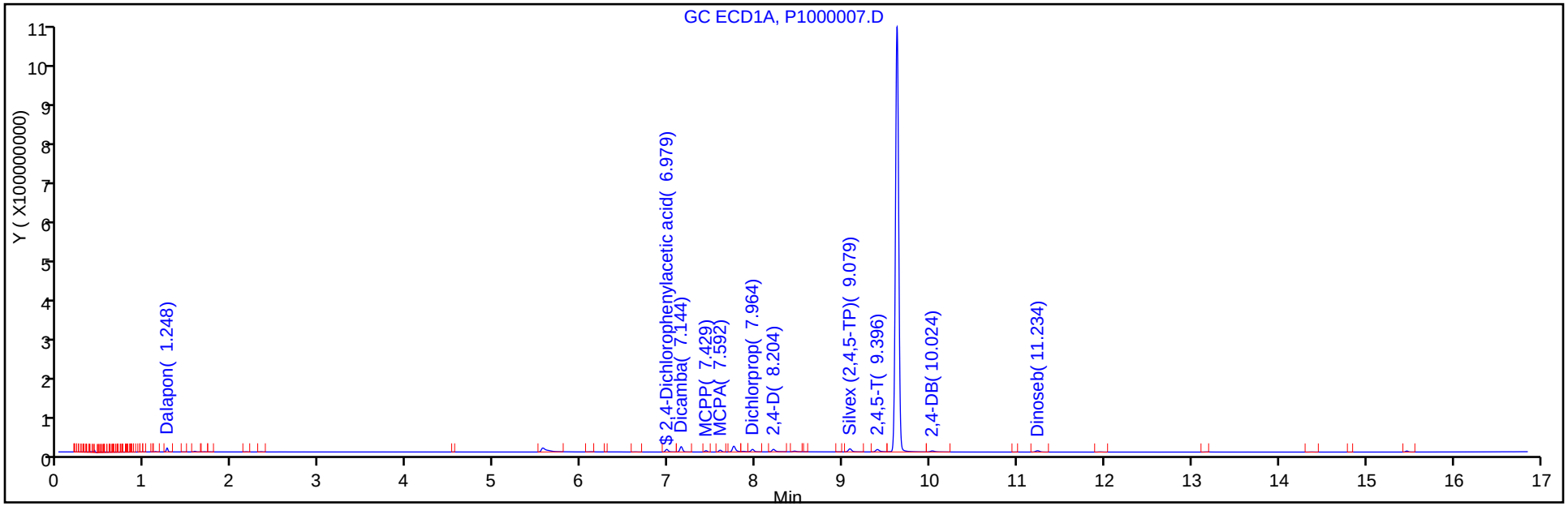
Report Date: 04-Dec-2012 09:15:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

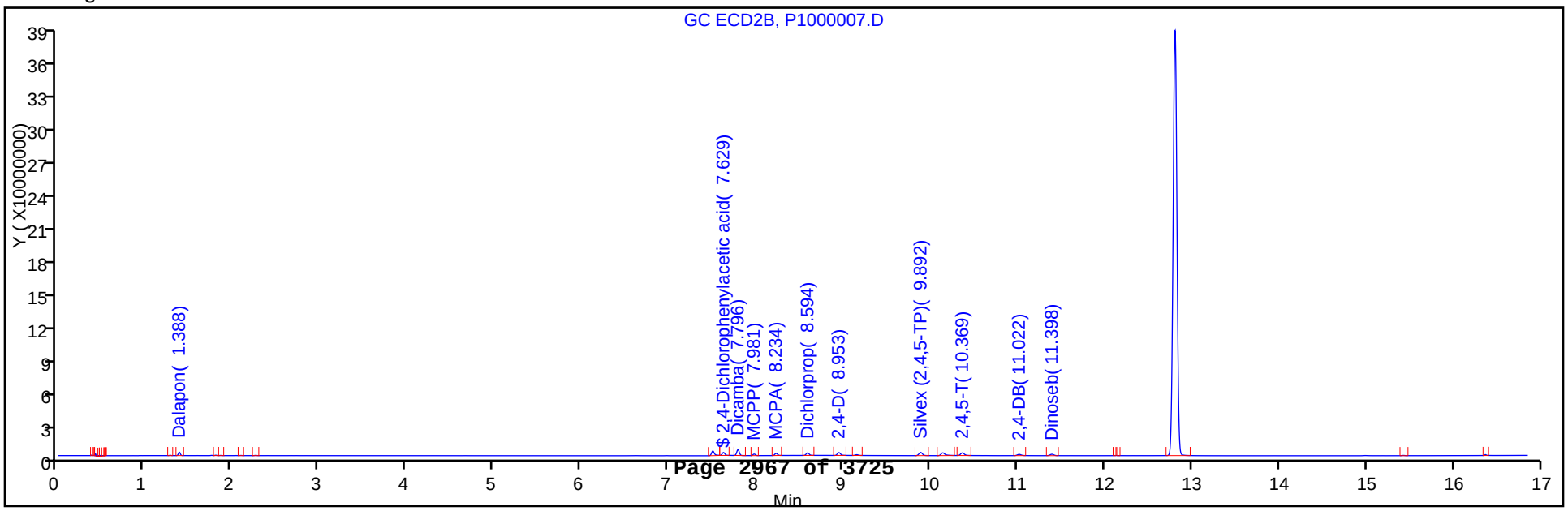
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000007.D

Injection Date:	03-Dec-2012 18:17:22	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	7
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000008.D		
Lims ID:	Std Corp3	Client ID:	
Inject. Date:	03-Dec-2012 18:41:03	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0015481-008		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	67147	Lims Sample ID:	8
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:28	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	18870741	0.0413	
2	1.388	1.388	0.000	5874679	0.0404	
					RPD = 2.01	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.979	0.000	12571987	0.0843	
2	7.629	7.629	0.000	5098854	0.0821	
					RPD = 2.64	
6 Dicamba						
1	7.145	7.145	0.000	25619907	0.0415	
2	7.797	7.797	0.000	10349643	0.0405	
					RPD = 2.42	
10 MCPP						
1	7.429	7.429	0.000	5903220	9.04	
2	7.982	7.982	0.000	2396223	8.86	
					RPD = 2.01	
9 MCPA						
1	7.593	7.593	0.000	7697459	9.03	
2	8.233	8.233	0.000	3289686	9.67	
					RPD = 6.83	
7 Dichlorprop						M
1	7.964	7.964	0.000	11613196	0.0839	
2	8.594	8.594	0.000	4282046	0.0812	M
					RPD = 3.23	
2 2,4-D						
1	8.202	8.202	0.000	12712921	0.0844	
2	8.950	8.950	0.000	5014235	0.0809	
					RPD = 4.33	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.079	9.079	0.000	15570595	0.0204	
2	9.889	9.889	0.000	5589857	0.0197	
					RPD = 3.52	
1 2,4,5-T						
1	9.394	9.394	0.000	12165220	0.0198	
2	10.369	10.369	0.000	4840695	0.0200	
					RPD = 0.67	
3 2,4-DB						
1	10.024	10.024	0.000	5239246	0.0821	
2	11.019	11.019	0.000	2157722	0.0812	
					RPD = 1.02	
8 Dinoseb						
1	11.231	11.231	0.000	6202413	0.0123	
2	11.395	11.395	0.000	2310831	0.0120	
					RPD = 2.57	

QC Flag Legend

Review Flags
M - Manually Integrated

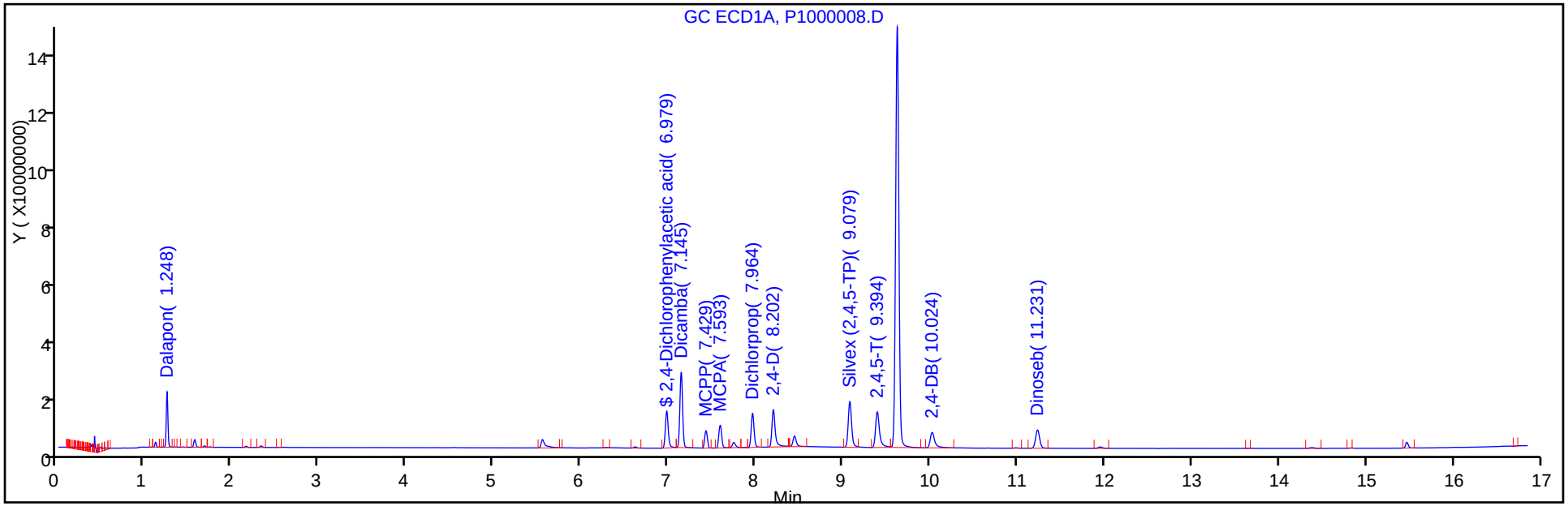
Report Date: 04-Dec-2012 09:15:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

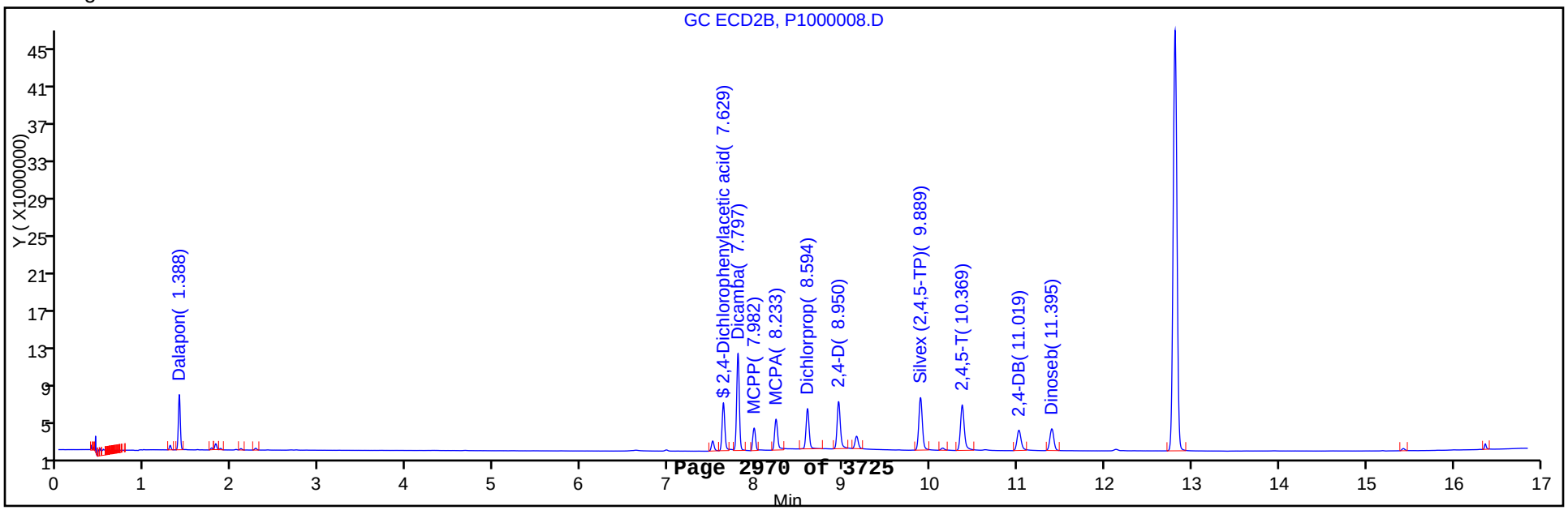
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000008.D

Injection Date:	03-Dec-2012 18:41:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	8
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000009.D		
Lims ID:	Std Corp4	Client ID:	
Inject. Date:	03-Dec-2012 19:04:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015481-009		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	67147	Lims Sample ID:	9
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:39	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:39

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.247	1.248	-0.001	34858681	0.0762	
2	1.388	1.388	0.000	11107906	0.0765	
					RPD = 0.32	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.979	0.000	22729272	0.1525	
2	7.629	7.629	0.000	9412608	0.1516	
					RPD = 0.56	
6 Dicamba						
1	7.144	7.145	-0.001	47531523	0.0769	
2	7.795	7.797	-0.002	20289132	0.0793	
					RPD = 3.09	
10 MCPP						
1	7.429	7.429	0.000	9684337	16.8	
2	7.982	7.982	0.000	4021745	16.6	
					RPD = 1.29	
9 MCPA						
1	7.592	7.593	-0.001	12261728	16.7	
2	8.233	8.233	0.000	5351638	17.6	
					RPD = 5.31	
7 Dichlorprop						
1	7.963	7.964	-0.001	21246461	0.1535	
2	8.594	8.594	0.000	8024771	0.1522	
					RPD = 0.82	
2 2,4-D						
1	8.200	8.202	-0.002	23863325	0.1585	
2	8.950	8.950	0.000	9688389	0.1563	
					RPD = 1.44	

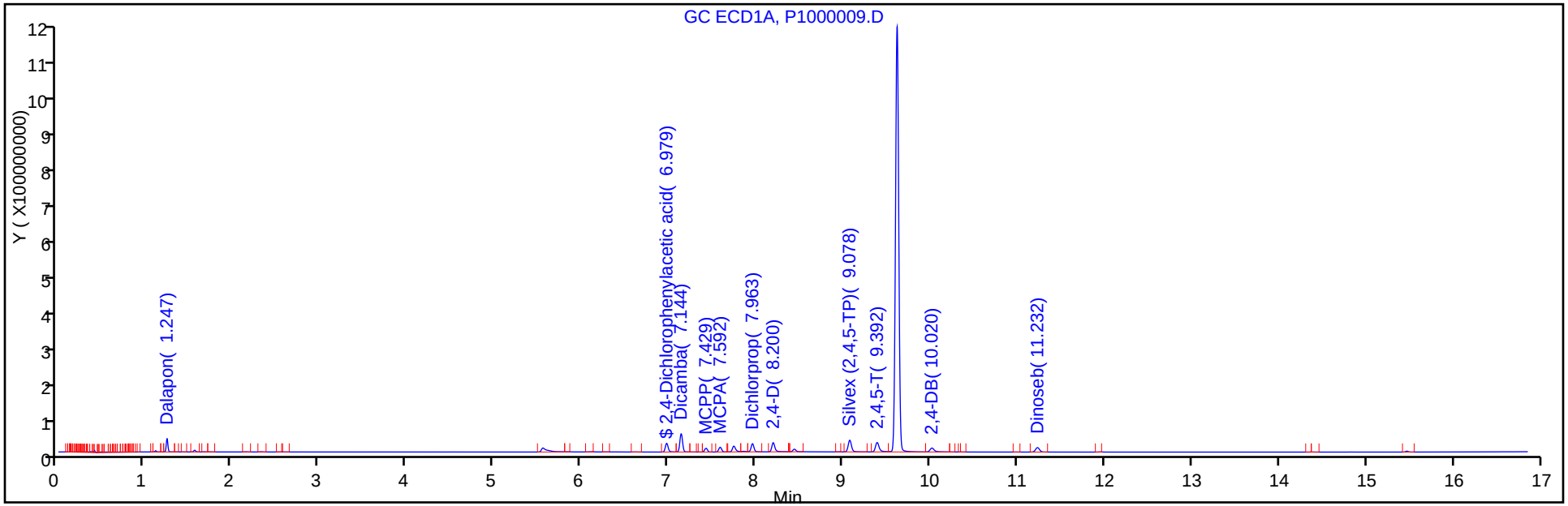
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.078	9.079	-0.001	30552412	0.0400	
2	9.891	9.889	0.002	11206626	0.0395	
					RPD = 1.37	
1 2,4,5-T						
1	9.392	9.394	-0.002	24530328	0.0400	
2	10.368	10.369	-0.001	9639961	0.0397	
					RPD = 0.58	
3 2,4-DB						
1	10.020	10.024	-0.004	10148719	0.1590	
2	11.019	11.019	0.000	4100950	0.1544	
					RPD = 2.92	
8 Dinoseb						
1	11.232	11.231	0.001	11549493	0.0228	
2	11.397	11.395	0.002	4395673	0.0227	
					RPD = 0.44	

Report Date: 04-Dec-2012 09:15:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

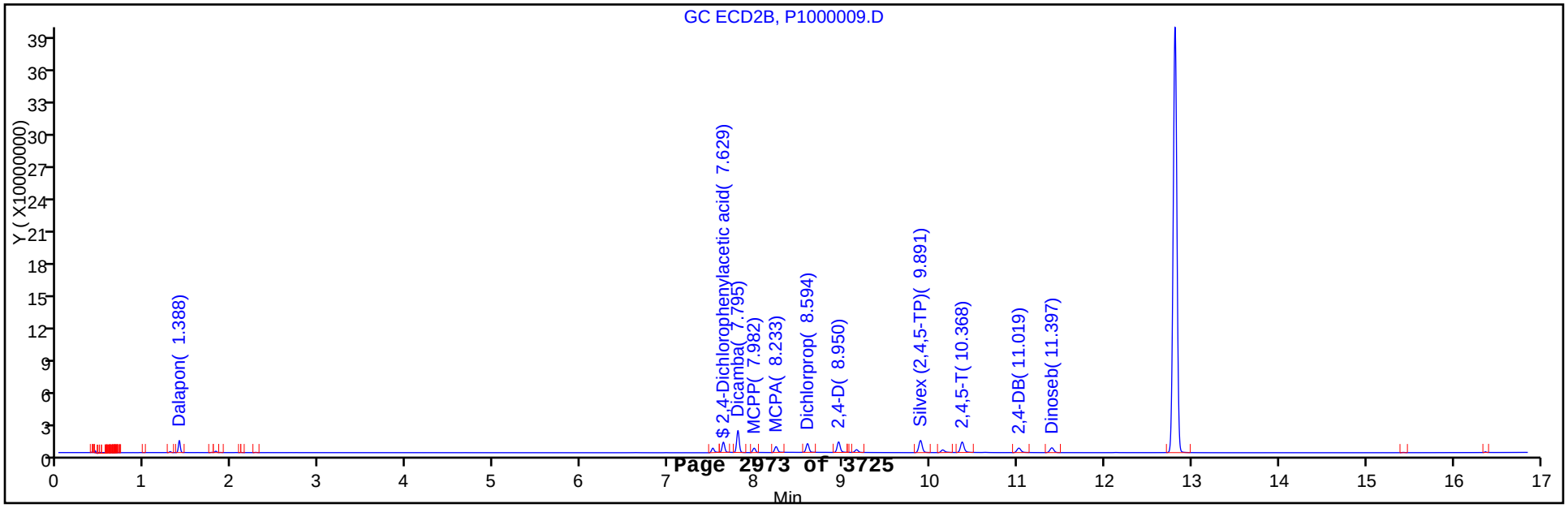
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000009.D		
Injection Date:	03-Dec-2012 19:04:40	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	9
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000010.D		
Lims ID:	Std Corp5	Client ID:	
Inject. Date:	03-Dec-2012 19:28:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015481-010		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	67147	Lims Sample ID:	10
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:46	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:46

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	64464485	0.1409	
2	1.388	1.388	0.000	21568381	0.1485	
					RPD = 5.20	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.980	6.979	0.001	41394251	0.2777	
2	7.629	7.629	0.000	18205505	0.2933	
					RPD = 5.46	
6 Dicamba						
1	7.146	7.145	0.001	89217031	0.1444	
2	7.796	7.797	-0.001	39099962	0.1529	
					RPD = 5.73	
10 MCPP						
1	7.431	7.429	0.002	15928704	30.9	
2	7.982	7.982	0.000	6860738	31.2	
					RPD = 0.92	
9 MCPA						
1	7.593	7.593	0.000	20151184	31.0	
2	8.233	8.233	0.000	9176494	32.3	
					RPD = 3.89	
7 Dichlorprop						
1	7.962	7.964	-0.002	38291247	0.2766	
2	8.594	8.594	0.000	15589718	0.2957	
					RPD = 6.68	
2 2,4-D						
1	8.199	8.202	-0.003	44428439	0.2951	
2	8.950	8.950	0.000	18850994	0.3040	
					RPD = 2.97	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.078	9.079	-0.001	58502217	0.0766	
2	9.889	9.889	0.000	22295209	0.0785	
					RPD = 2.45	
1 2,4,5-T						
1	9.391	9.394	-0.003	49620375	0.0808	
2	10.367	10.369	-0.002	19353671	0.0798	
					RPD = 1.33	
3 2,4-DB						
1	10.019	10.024	-0.005	19127519	0.2996	
2	11.017	11.019	-0.002	7833671	0.2949	
					RPD = 1.58	
8 Dinoseb						
1	11.230	11.231	-0.001	21833119	0.0432	
2	11.395	11.395	0.000	8433303	0.0436	
					RPD = 1.04	

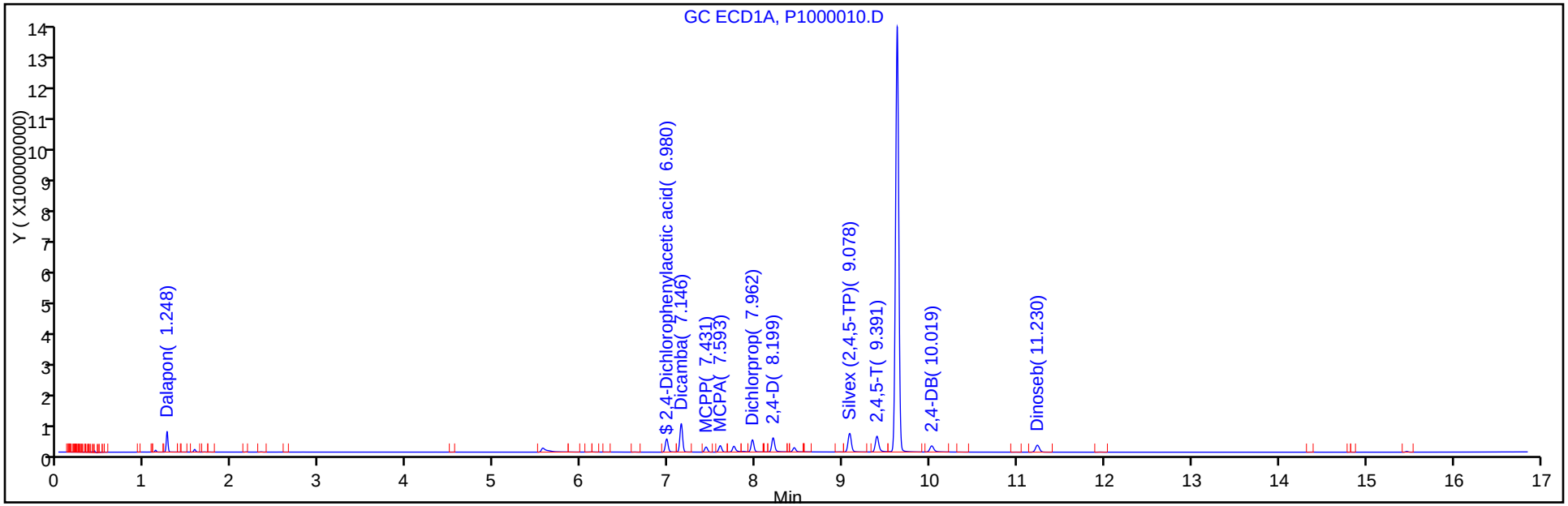
Report Date: 04-Dec-2012 09:15:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

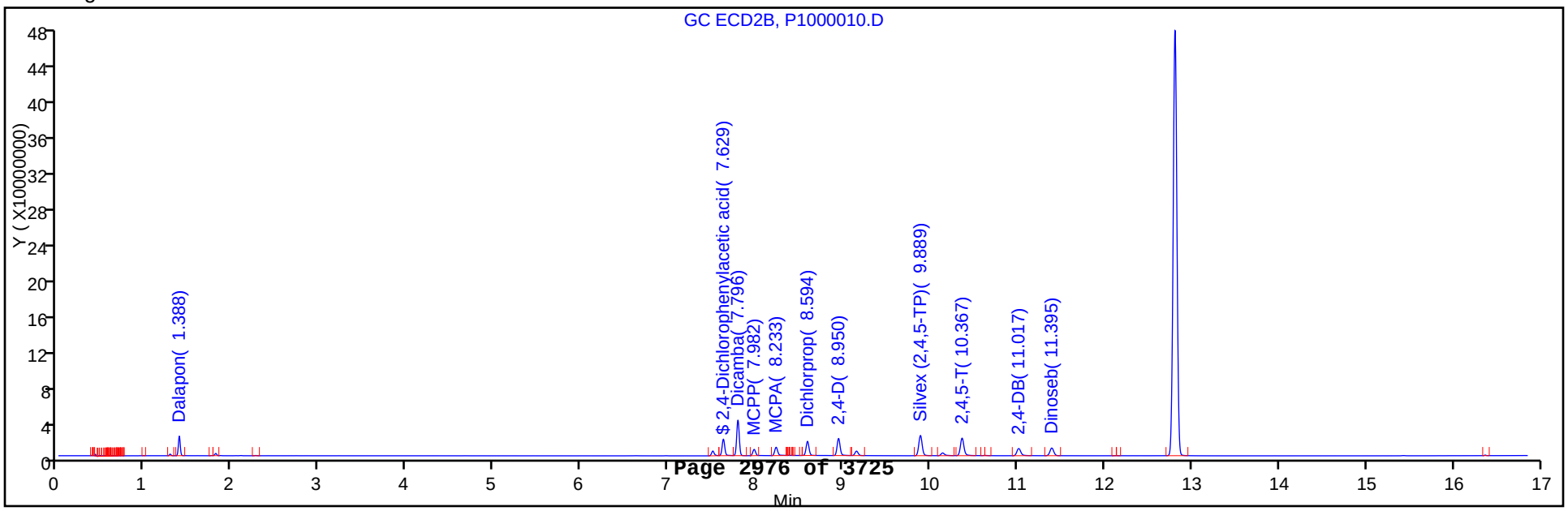
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000010.D

Injection Date:	03-Dec-2012 19:28:32	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Lims ID: Std Corp6 Client ID:
Inject. Date: 03-Dec-2012 19:52:08 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015481-011
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 67147 Lims Sample ID: 11
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m
Last Update: 04-Dec-2012 09:15:55 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

First Level Reviewer: roachc Date: 04-Dec-2012 09:15:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	121288028	0.2652	
2	1.388	1.388	0.000	42289940	0.2911	
					RPD = 9.32	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.977	6.979	-0.002	76833448	0.5154	
2	7.628	7.629	-0.001	35620172	0.5738	
					RPD = 10.72	
6 Dicamba						
1	7.144	7.145	-0.001	165905083	0.2685	
2	7.795	7.797	-0.002	76879929	0.3007	
					RPD = 11.29	
10 MCPP						
1	7.430	7.429	0.001	27783128	64.3	
2	7.982	7.982	0.000	12273119	64.2	
					RPD = 0.14	
9 MCPA						
1	7.592	7.593	-0.001	34976673	64.2	
2	8.234	8.233	0.001	16640034	60.9	
					RPD = 5.32	
7 Dichlorprop						
1	7.961	7.964	-0.003	70803641	0.5115	
2	8.592	8.594	-0.002	30747337	0.5832	
					RPD = 13.12	
2 2,4-D						
1	8.197	8.202	-0.005	84437992	0.5609	
2	8.949	8.950	-0.001	37727601	0.6085	
					RPD = 8.13	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.075	9.079	-0.004	115480945	0.1513	
2	9.888	9.889	-0.001	45316748	0.1596	
					RPD = 5.38	
1 2,4,5-T						
1	9.387	9.394	-0.007	99096490	0.1615	
2	10.364	10.369	-0.005	39796636	0.1640	
					RPD = 1.59	
3 2,4-DB						
1	10.014	10.024	-0.010	39026974	0.6113	
2	11.014	11.019	-0.005	16205984	0.6101	
					RPD = 0.19	
8 Dinoseb						
1	11.229	11.231	-0.002	42511226	0.0840	
2	11.394	11.395	-0.001	17166642	0.0888	
					RPD = 5.48	

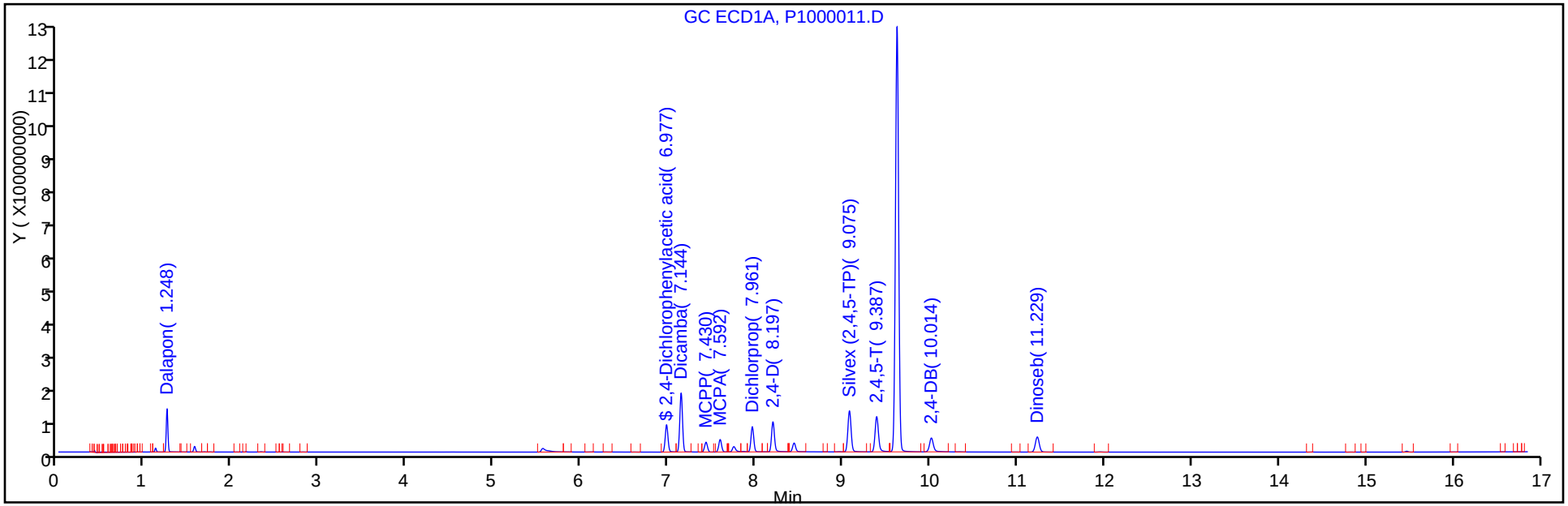
Report Date: 04-Dec-2012 09:15:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

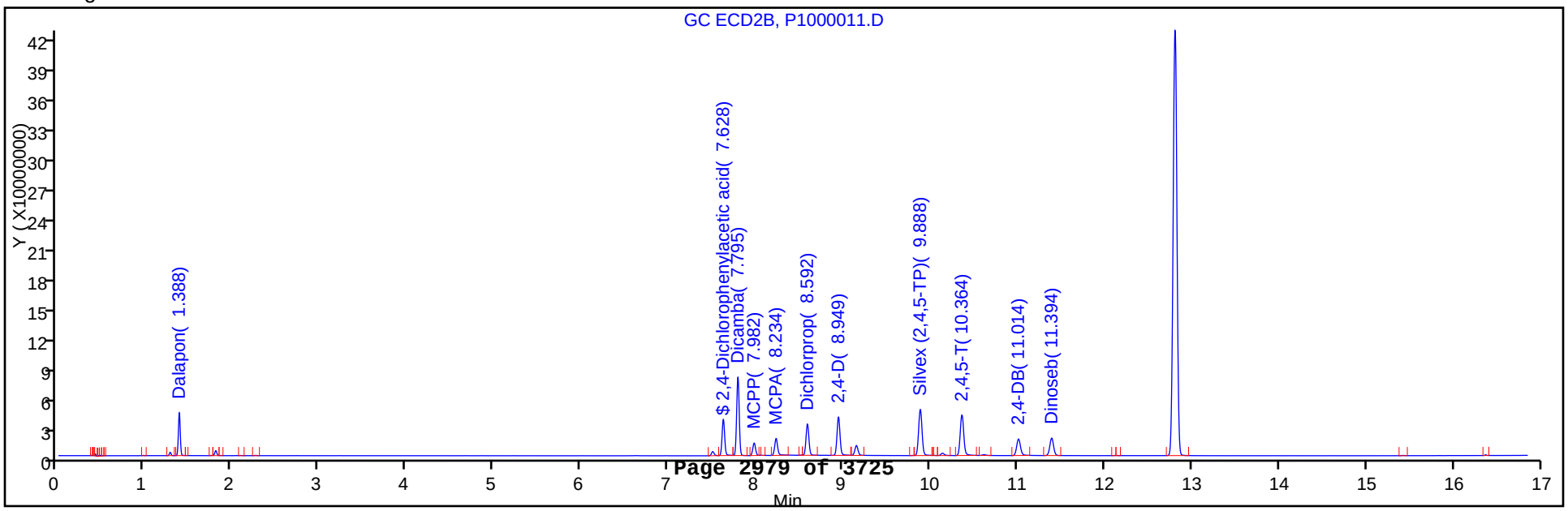
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D

Injection Date:	03-Dec-2012 19:52:08	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	11
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67147

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:53 Calibration End Date: 12/03/2012 19:52 Calibration ID: 12574

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67147/6	P1000006.D
Level 2	STD 240-67147/7	P1000007.D
Level 3	STD 240-67147/8	P1000008.D
Level 4	STD 240-67147/9	P1000009.D
Level 5	STD 240-67147/10	P1000010.D
Level 6	STD 240-67147/11	P1000011.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Dalapon	1.388	1.388	1.388	1.388	1.388	1.388					1.367 - 1.407	1.388
Dicamba	7.798	7.796	7.797	7.795	7.796	7.795					7.777 - 7.817	7.796
MCPP	7.983	7.981	7.982	7.982	7.982	7.982					7.962 - 8.002	7.982
MCPA	8.235	8.234	8.233	8.233	8.233	8.234					8.213 - 8.253	8.234
Dichlorprop	8.597	8.594	8.594	8.594	8.594	8.592					8.573 - 8.613	8.594
2,4-D	8.955	8.953	8.950	8.950	8.950	8.949					8.930 - 8.970	8.951
Silvex (2,4,5-TP)	9.892	9.892	9.889	9.891	9.889	9.888					9.869 - 9.909	9.890
2,4,5-T	10.371	10.369	10.369	10.368	10.367	10.364					10.347 - 10.387	10.368
2,4-DB	11.020	11.022	11.019	11.019	11.017	11.014					10.997 - 11.037	11.019
Dinoseb	11.397	11.398	11.395	11.397	11.395	11.394					11.366 - 11.426	11.396
2,4-Dichlorophenylacetic acid	7.631	7.629	7.629	7.629	7.629	7.628					7.609 - 7.649	7.629

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67147

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:53 Calibration End Date: 12/03/2012 19:52 Calibration ID: 12574

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67147/6	P1000006.D
Level 2	STD 240-67147/7	P1000007.D
Level 3	STD 240-67147/8	P1000008.D
Level 4	STD 240-67147/9	P1000009.D
Level 5	STD 240-67147/10	P1000010.D
Level 6	STD 240-67147/11	P1000011.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Dalapon	165611700 134802381	153427900 132156063	146866975	138848825	Ave		145285641				8.7		20.0			
Dicamba	274536800 244374763	262731850 240249778	258741075	253614150	Ave		255708069				4.9		20.0			
MCPP	355601 214398	332650 191767	299528	251359	Qua	442093.477	226285.452	-654.01149						0.9990		0.9900
MCPA	562122 286765	467954 260001	411211	334477	Lin1	771490.673	260515.619							0.9900		0.9900
Dichlorprop	60376750 48717869	55491150 48042714	53525575	50154819	Ave		52718146.1				9.0		20.0			
2,4-D	67234400 58909356	63707325 58949377	62677938	60552431	Ave		62005137.8				5.2		20.0			
Silvex (2,4,5-TP)	296119000 278690113	285726100 283229675	279492850	280165650	Ave		283903898				2.3		20.0			
2,4,5-T	245612800 241920888	236374300 248728975	242034750	240999025	Ave		242611790				1.7		20.0			
2,4-DB	29400950 24480222	27568625 25321850	26971525	25630938	Ave		26562351.6				6.7		20.0			
Dinoseb	220233333 175693813	209759667 178819188	192569250	183153042	Ave		193371382				9.3		20.0			
2,4-Dichlorophenylacetic acid	71266300 56892203	66089400 55656519	63735675	58828800	Ave		62078149.5				9.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18581-1 Analy Batch No.: 67147

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 17:53 Calibration End Date: 12/03/2012 19:52 Calibration ID: 12574

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-67147/6	P1000006.D
Level 2	STD 240-67147/7	P1000007.D
Level 3	STD 240-67147/8	P1000008.D
Level 4	STD 240-67147/9	P1000009.D
Level 5	STD 240-67147/10	P1000010.D
Level 6	STD 240-67147/11	P1000011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	1656117 42289940	3068558	5874679	11107906	21568381	0.0100 0.320	0.0200	0.0400	0.0800	0.160
Dicamba	Ave	2745368 76879929	5254637	10349643	20289132	39099962	0.0100 0.320	0.0200	0.0400	0.0800	0.160
MCPP	Qua	711202 12273119	1330598	2396223	4021745	6860738	2.00 64.0	4.00	8.00	16.0	32.0
MCPA	Lin1	1124243 16640034	1871817	3289686	5351638	9176494	2.00 64.0	4.00	8.00	16.0	32.0
Dichlorprop	Ave	1207535 30747337	2219646	4282046	8024771	15589718	0.0200 0.640	0.0400	0.0800	0.160	0.320
2,4-D	Ave	1344688 37727601	2548293	5014235	9688389	18850994	0.0200 0.640	0.0400	0.0800	0.160	0.320
Silvex (2,4,5-TP)	Ave	1480595 45316748	2857261	5589857	11206626	22295209	0.00500 0.160	0.0100	0.0200	0.0400	0.0800
2,4,5-T	Ave	1228064 39796636	2363743	4840695	9639961	19353671	0.00500 0.160	0.0100	0.0200	0.0400	0.0800
2,4-DB	Ave	588019 16205984	1102745	2157722	4100950	7833671	0.0200 0.640	0.0400	0.0800	0.160	0.320
Dinoseb	Ave	660700 17166642	1258558	2310831	4395673	8433303	0.00300 0.0960	0.00600	0.0120	0.0240	0.0480
2,4-Dichlorophenylacetic acid	Ave	1425326 35620172	2643576	5098854	9412608	18205505	0.0200 0.640	0.0400	0.0800	0.160	0.320

Curve Type Legend:

Ave = Average by Height
Lin1 = Linear 1/Conc by Height
Qua = Quadratic by Height

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Lims ID:	Std Corp1	Client ID:	
Inject. Date:	03-Dec-2012 17:53:38	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0015481-006		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	67147	Lims Sample ID:	6
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:01	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						M
1	1.248	1.247	0.001	5515076	0.0121	M
2	1.388	1.387	0.001	1656117	0.0114	M
					RPD = 5.61	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.981	6.977	0.004	3550470	0.0238	
2	7.631	7.629	0.002	1425326	0.0230	
					RPD = 3.67	
6 Dicamba						
1	7.147	7.144	0.003	7140158	0.0116	
2	7.798	7.797	0.001	2745368	0.0107	
					RPD = 7.36	
10 MCPP						
1	7.431	7.428	0.003	1723275	0.9304	
2	7.983	7.982	0.001	711202	1.19	
					RPD = 24.76	
9 MCPA						
1	7.593	7.591	0.002	2630120	1.00	
2	8.235	8.233	0.002	1124243	1.35	
					RPD = 30.42	
7 Dichlorprop						M
1	7.965	7.962	0.003	3262903	0.0236	
2	8.597	8.593	0.004	1207535	0.0229	M
					RPD = 2.86	
2 2,4-D						M
1	8.208	8.199	0.009	3315446	0.0220	
2	8.955	8.950	0.005	1344688	0.0217	M
					RPD = 1.54	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						M
1	9.083	9.077	0.006	3995766	0.005234	
2	9.892	9.889	0.003	1480595	0.005215	M
					RPD = 0.36	
1 2,4,5-T						
1	9.398	9.390	0.008	3006201	0.004898	
2	10.371	10.367	0.004	1228064	0.005062	
					RPD = 3.29	
3 2,4-DB						M
1	10.029	10.021	0.008	1315132	0.0206	
2	11.020	11.017	0.003	588019	0.0221	M
					RPD = 7.20	
8 Dinoseb						M
1	11.235	11.229	0.006	1744746	0.003449	
2	11.397	11.396	0.001	660700	0.003417	M
					RPD = 0.94	

QC Flag Legend

Review Flags
M - Manually Integrated

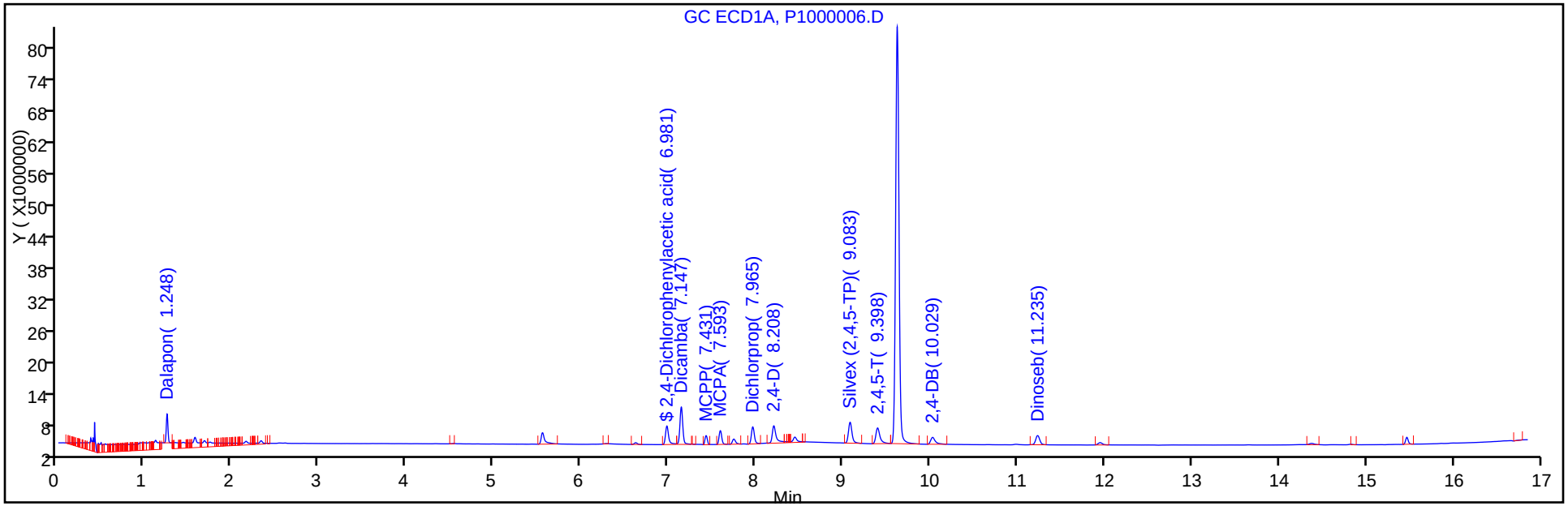
Report Date: 04-Dec-2012 09:15:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

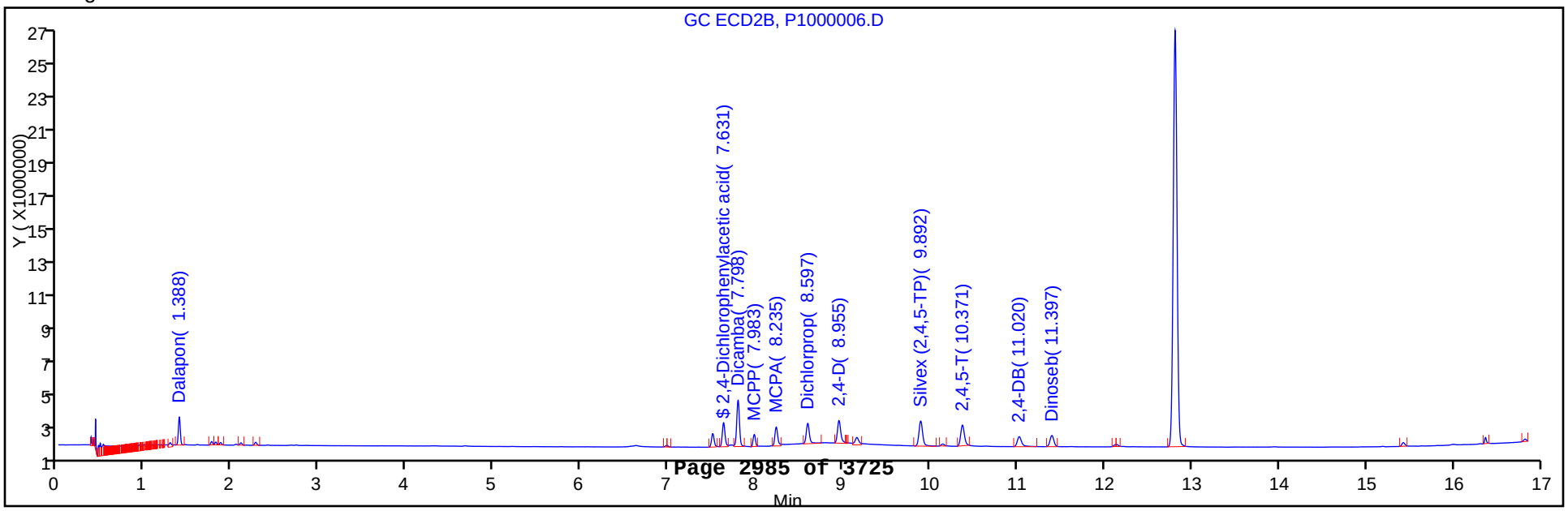
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D

Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

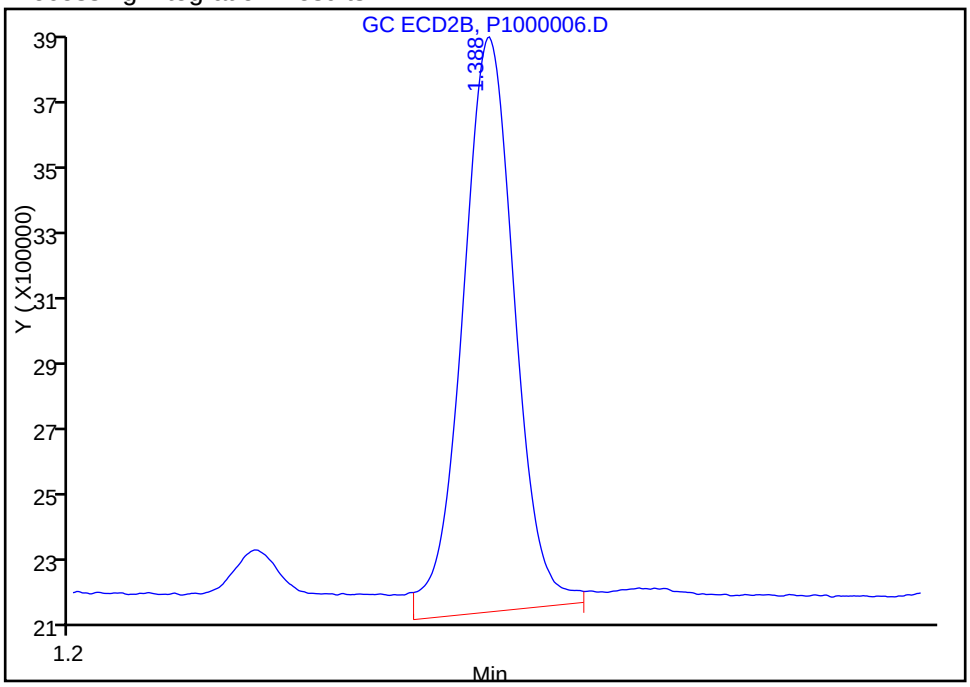
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 Dalapon, Signal: 2, Type: quant, RT: 1.39, Det: GC ecd2b

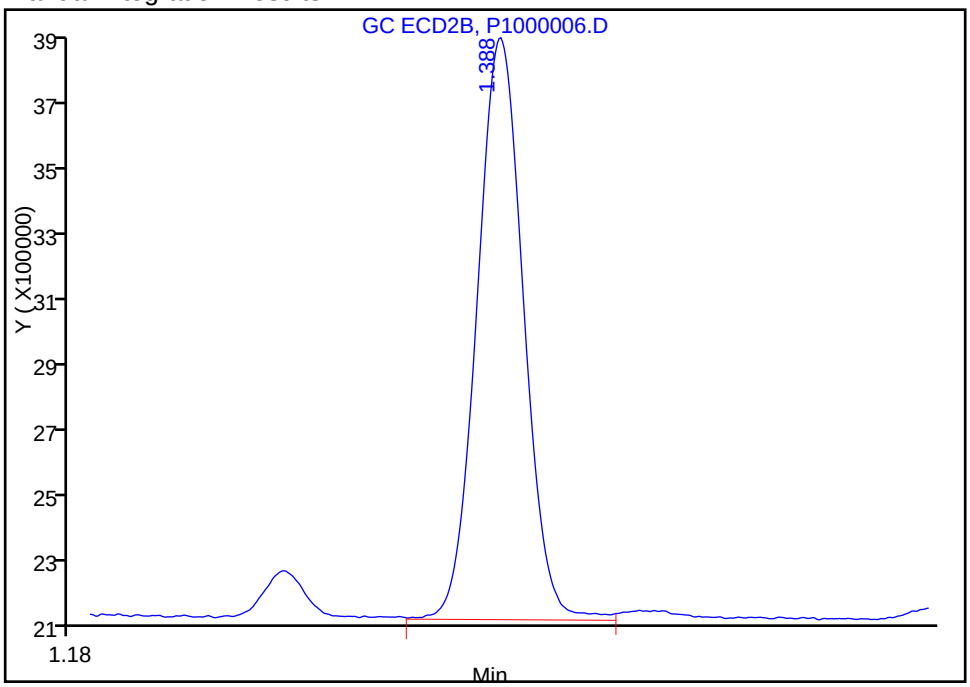
Processing Integration Results

RT: 1.39
Response: 1700362
Amount: 0.011644



Manual Integration Results

RT: 1.39
Response: 1656117
Amount: 0.011399



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

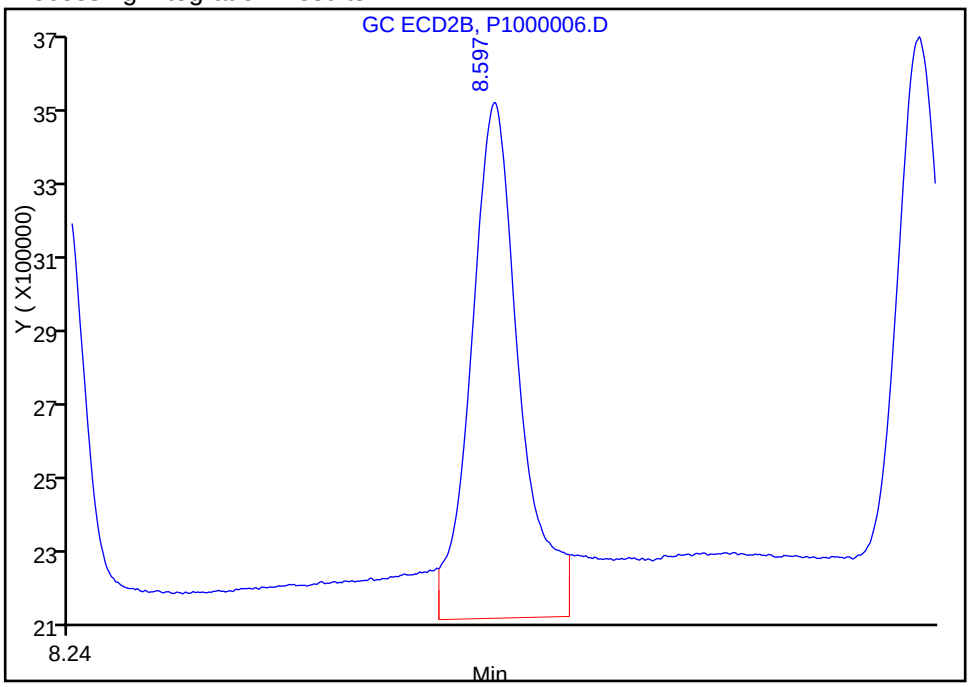
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

7 Dichlorprop, Signal: 2, Type: quant, RT: 8.59, Det: GC ecd2b

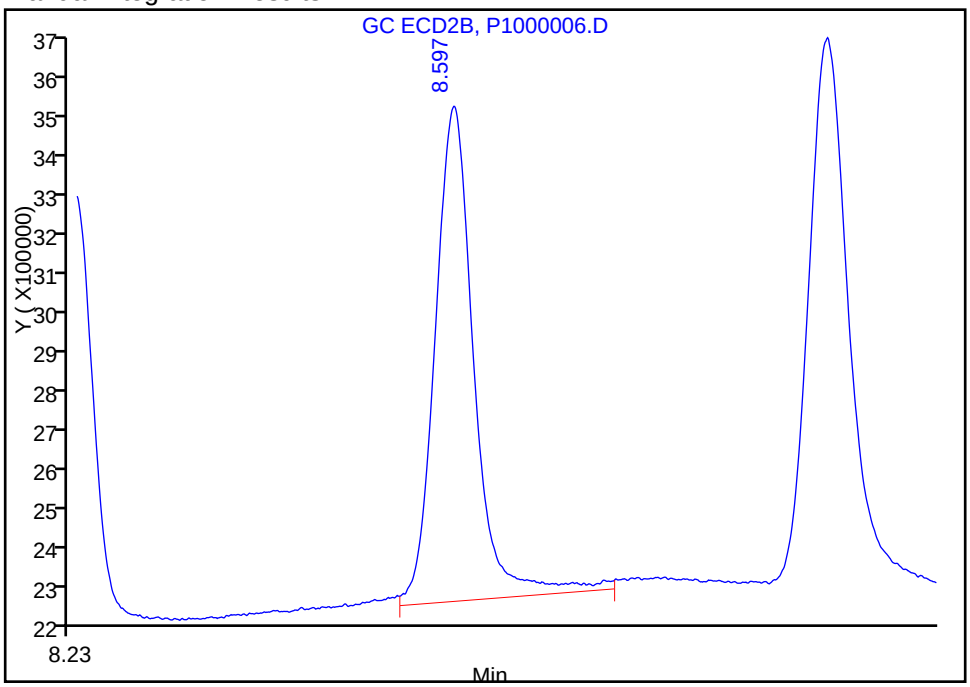
Processing Integration Results

RT: 8.60
Response: 1315950
Amount: 0.024495



Manual Integration Results

RT: 8.60
Response: 1207535
Amount: 0.022905



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

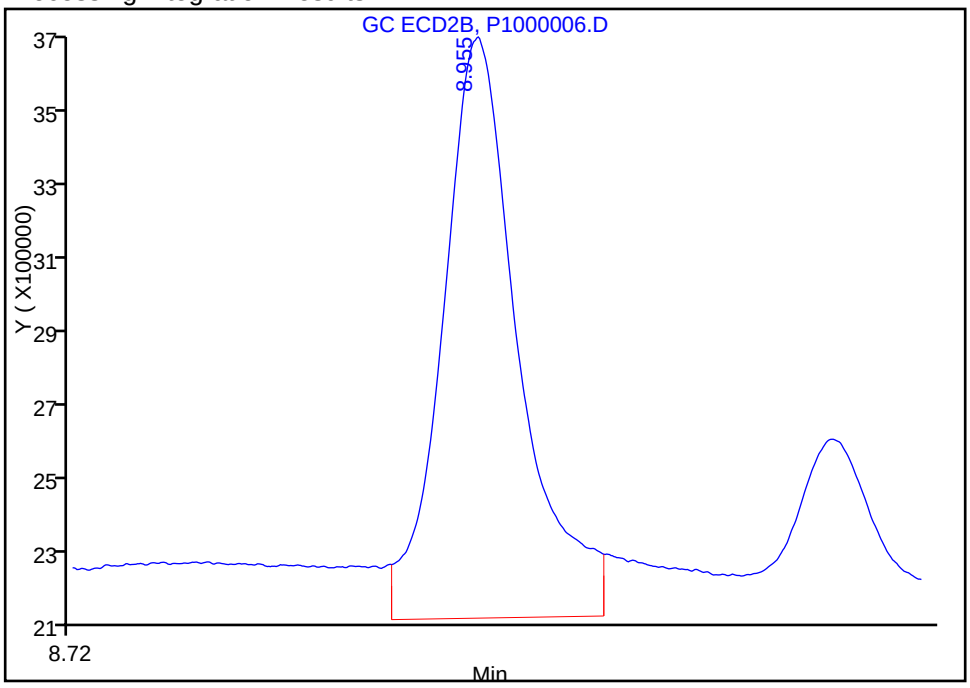
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

2 2,4-D, Signal: 2, Type: quant, RT: 8.95, Det: GC ecd2b

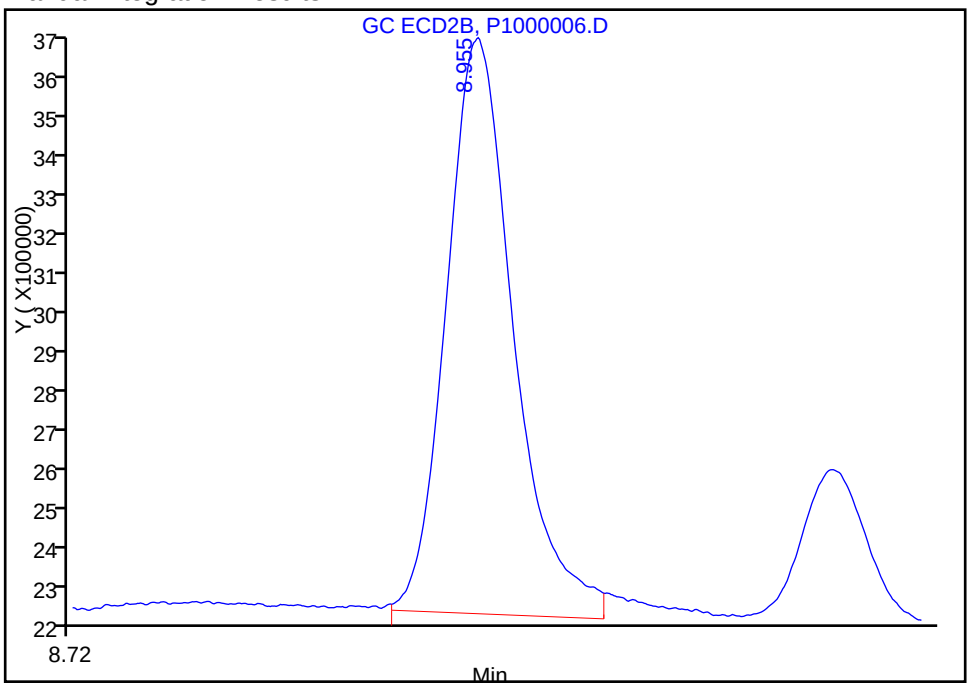
Processing Integration Results

RT: 8.96
Response: 1456896
Amount: 0.023147



Manual Integration Results

RT: 8.96
Response: 1344688
Amount: 0.021687



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

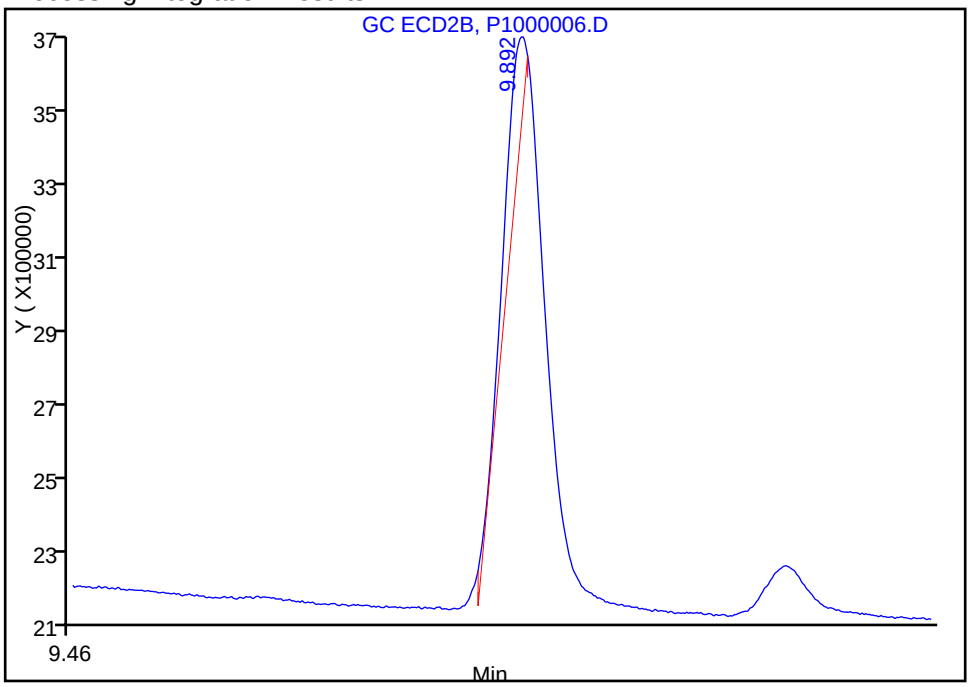
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

12 Silvex (2,4,5-TP), Signal: 2, Type: quant, RT: 9.89, Det: GC ecd2b

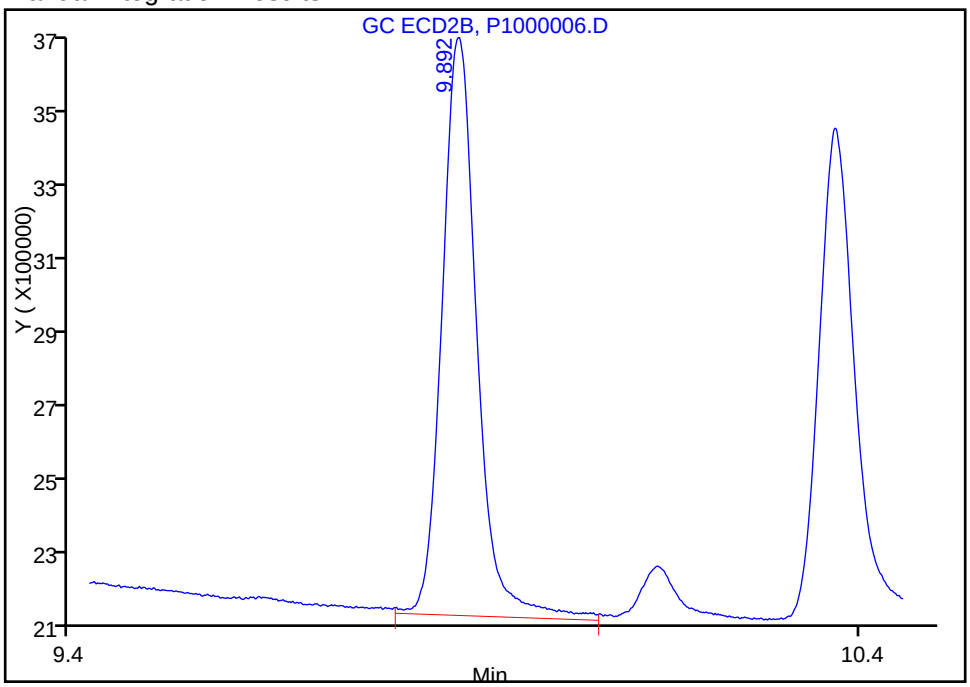
Processing Integration Results

RT: 9.89
Response: 222097
Amount: 0.003387



Manual Integration Results

RT: 9.89
Response: 1480595
Amount: 0.005215



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

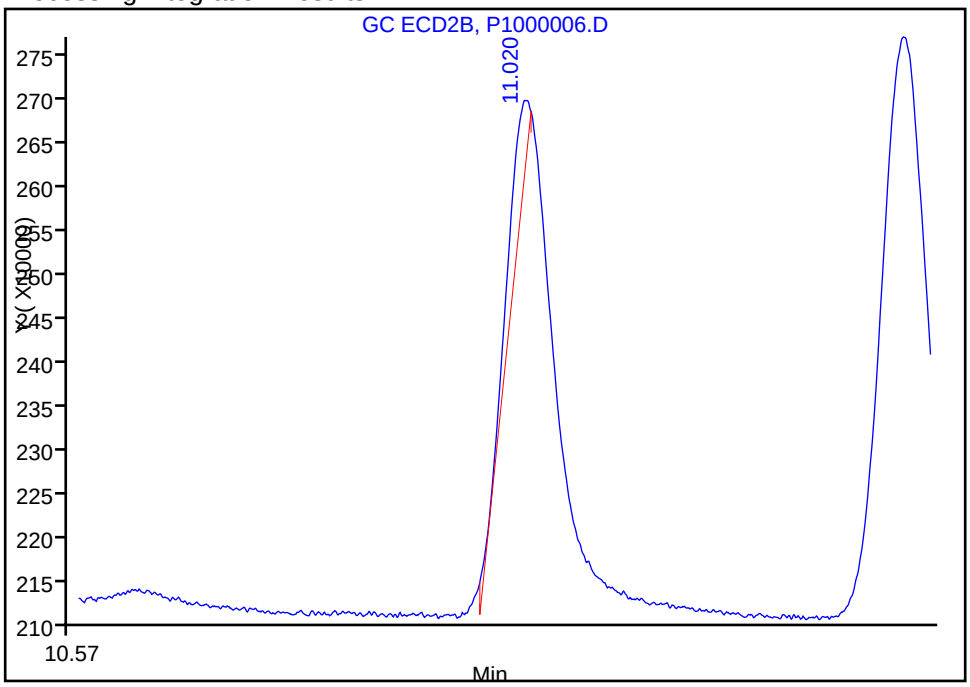
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 2,4-DB, Signal: 2, Type: quant, RT: 11.02, Det: GC ecd2b

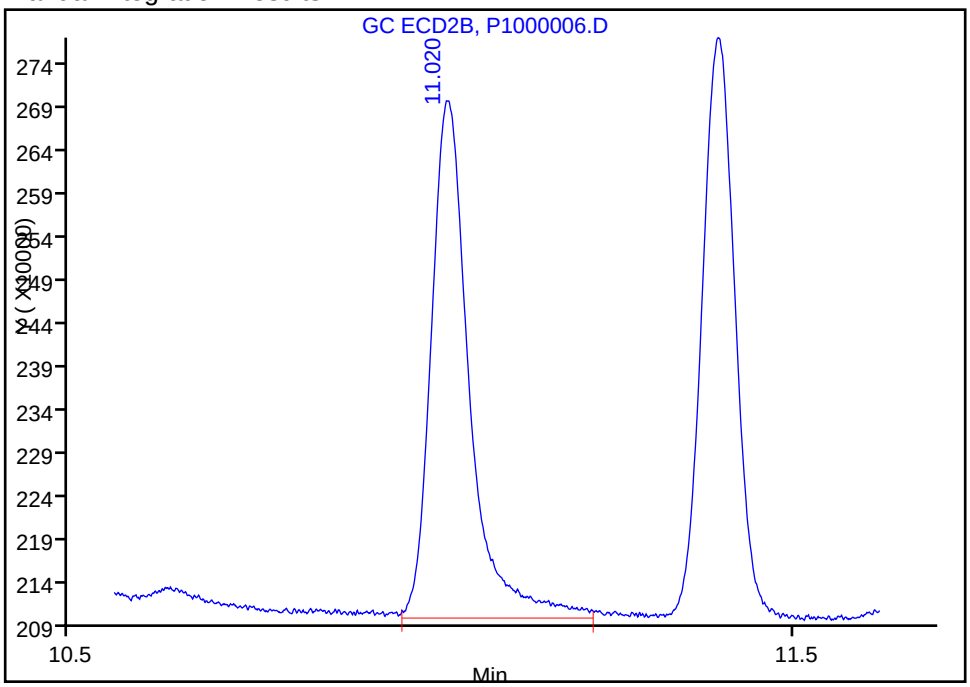
Processing Integration Results

RT: 11.02
Response: 87072
Amount: 0.011921



Manual Integration Results

RT: 11.02
Response: 588019
Amount: 0.022137



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

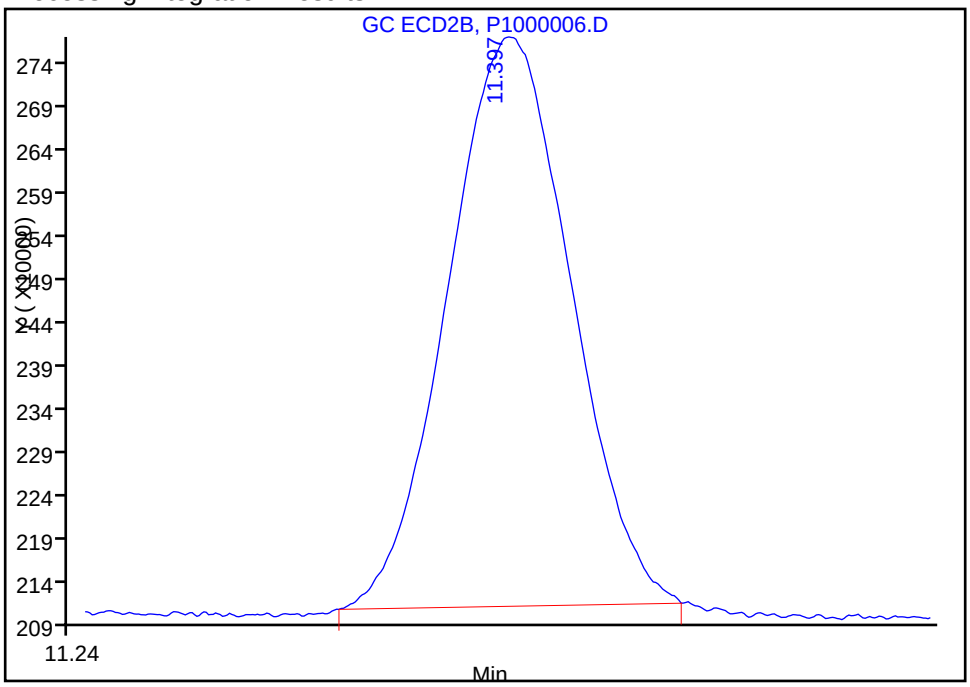
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000006.D		
Injection Date:	03-Dec-2012 17:53:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	6
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Dinoseb, Signal: 2, Type: quant, RT: 11.40, Det: GC ecd2b

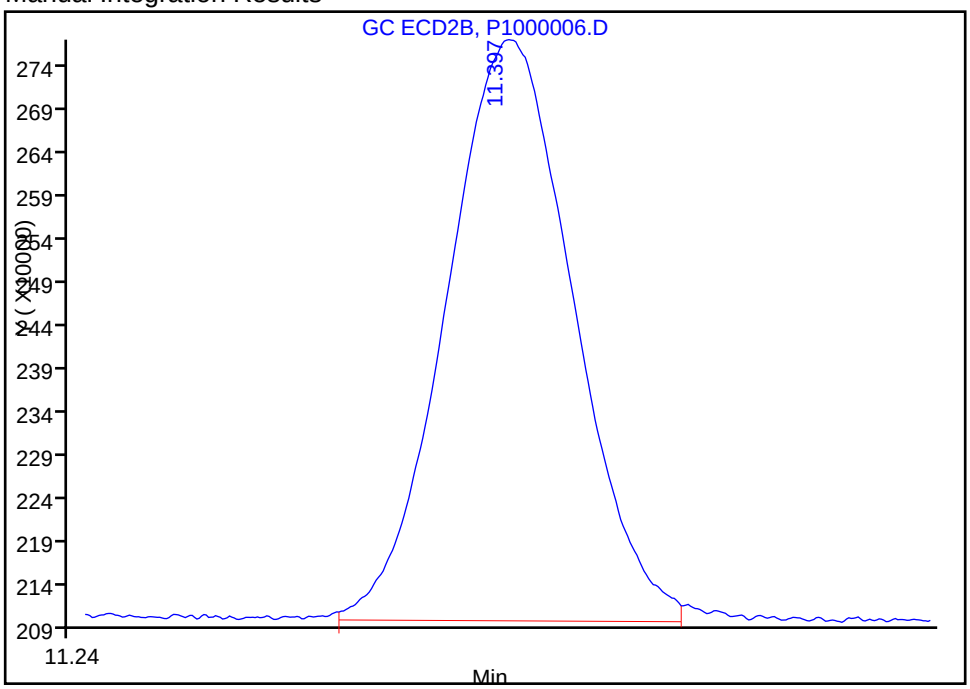
Processing Integration Results

RT: 11.40
Response: 647272
Amount: 0.003371



Manual Integration Results

RT: 11.40
Response: 660700
Amount: 0.003417



Reviewer: roachc, 04-Dec-2012 07:58:06
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000007.D		
Lims ID:	Std Corp2	Client ID:	
Inject. Date:	03-Dec-2012 18:17:22	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015481-007		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	67147	Lims Sample ID:	7
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:16

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.247	0.001	10070689	0.0220	
2	1.388	1.387	0.001	3068558	0.0211	
					RPD = 4.15	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.977	0.002	6730912	0.0452	
2	7.629	7.629	0.000	2643576	0.0426	
					RPD = 5.85	
6 Dicamba						
1	7.144	7.144	0.000	13648850	0.0221	
2	7.796	7.797	-0.001	5254637	0.0205	
					RPD = 7.23	
10 MCPP						
1	7.429	7.428	0.001	3361524	4.05	
2	7.981	7.982	-0.001	1330598	3.97	
					RPD = 2.01	
9 MCPA						
1	7.592	7.591	0.001	4590699	4.05	
2	8.234	8.233	0.001	1871817	4.22	
					RPD = 4.16	
7 Dichlorprop						
1	7.964	7.962	0.002	6369184	0.0460	
2	8.594	8.593	0.001	2219646	0.0421	
					RPD = 8.86	
2 2,4-D						
1	8.204	8.199	0.005	6345052	0.0421	
2	8.953	8.950	0.003	2548293	0.0411	
					RPD = 2.53	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.079	9.077	0.002	7861390	0.0103	
2	9.892	9.889	0.003	2857261	0.0101	
					RPD = 2.29	
1 2,4,5-T						
1	9.396	9.390	0.006	6203754	0.0101	
2	10.369	10.367	0.002	2363743	0.009743	
					RPD = 3.67	
3 2,4-DB						
1	10.024	10.021	0.003	2705077	0.0424	
2	11.022	11.017	0.005	1102745	0.0415	
					RPD = 2.04	
8 Dinoseb						M
1	11.234	11.229	0.005	3346932	0.006616	
2	11.398	11.396	0.002	1258558	0.006509	M
					RPD = 1.64	

QC Flag Legend

Review Flags
M - Manually Integrated

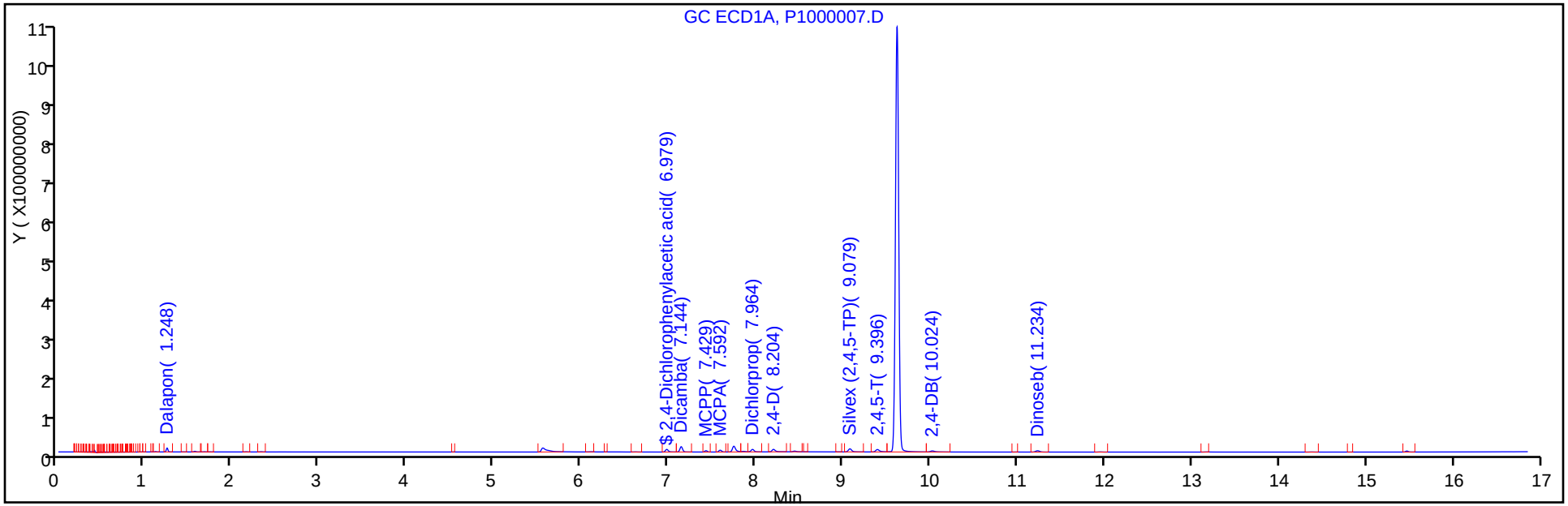
Report Date: 04-Dec-2012 09:15:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

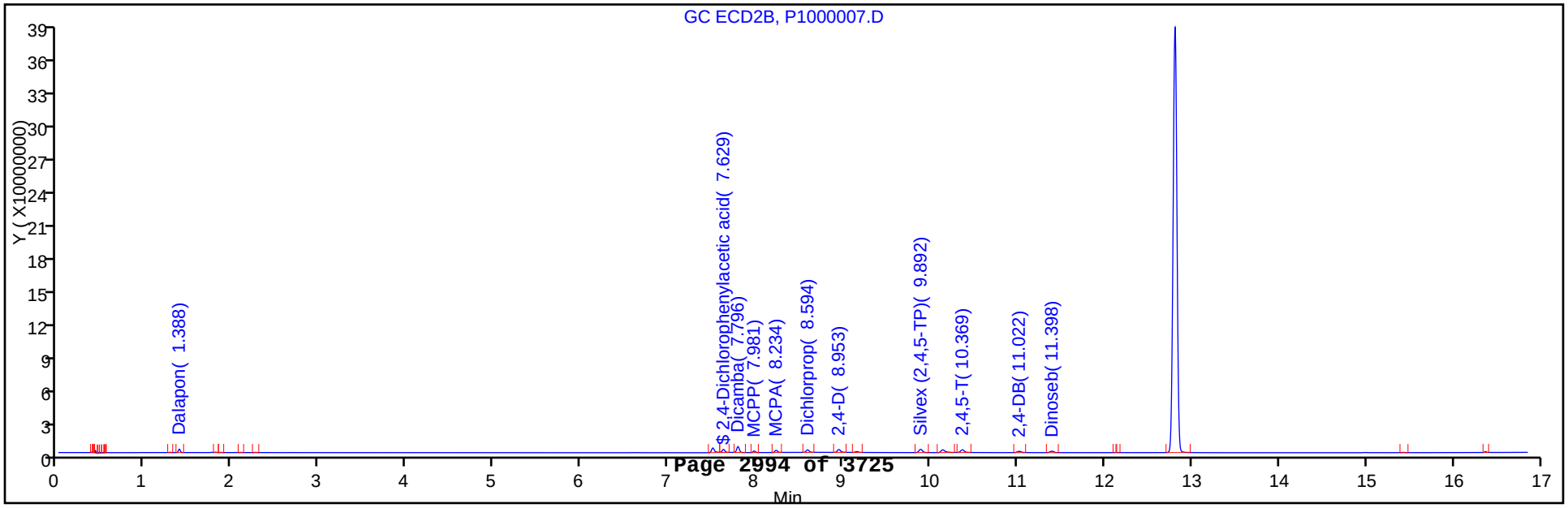
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000007.D

Injection Date:	03-Dec-2012 18:17:22	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	7
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

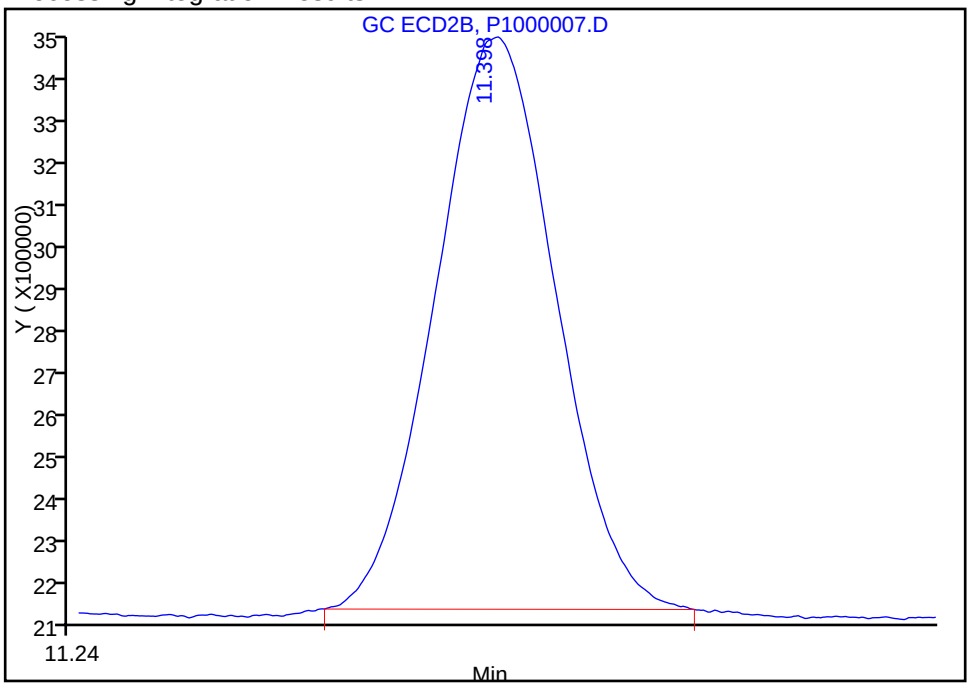
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000007.D		
Injection Date:	03-Dec-2012 18:17:22	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	7
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Dinoseb, Signal: 2, Type: quant, RT: 11.40, Det: GC ecd2b

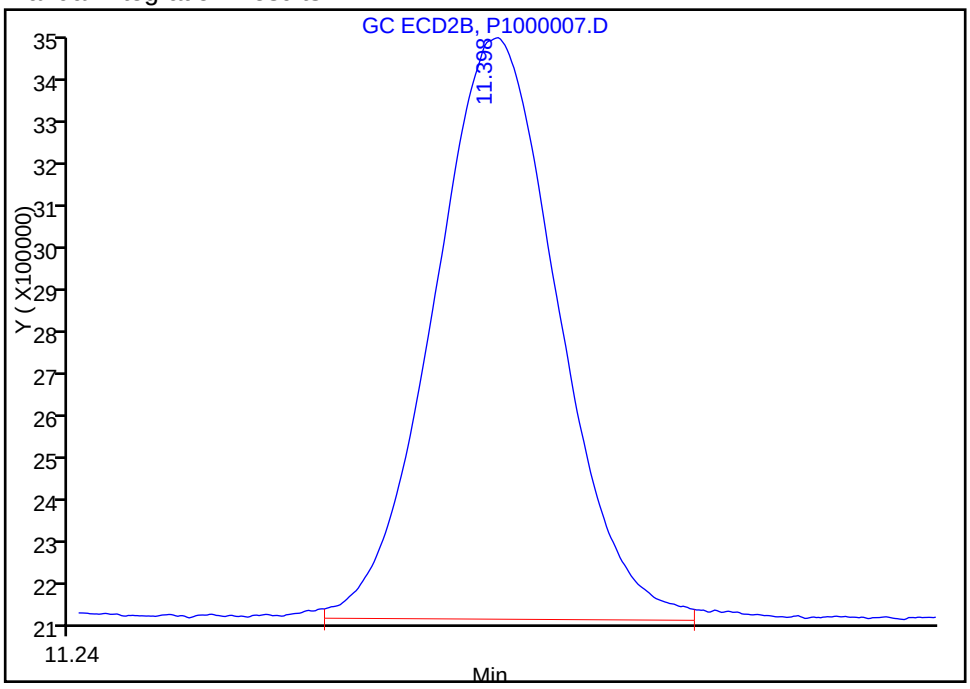
Processing Integration Results

RT: 11.40
Response: 1236931
Amount: 0.006417



Manual Integration Results

RT: 11.40
Response: 1258558
Amount: 0.006509



Reviewer: roachc, 04-Dec-2012 07:59:01
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000008.D		
Lims ID:	Std Corp3	Client ID:	
Inject. Date:	03-Dec-2012 18:41:03	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0015481-008		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	67147	Lims Sample ID:	8
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:28	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:28

	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	5 Dalapon						
	1	1.248	1.248	0.000	18870741	0.0413	
	2	1.388	1.388	0.000	5874679	0.0404	
						RPD = 2.01	
$	4 2,4-Dichlorophenylacetic acid						
	1	6.979	6.979	0.000	12571987	0.0843	
	2	7.629	7.629	0.000	5098854	0.0821	
						RPD = 2.64	
	6 Dicamba						
	1	7.145	7.145	0.000	25619907	0.0415	
	2	7.797	7.797	0.000	10349643	0.0405	
						RPD = 2.42	
	10 MCPP						
	1	7.429	7.429	0.000	5903220	9.04	
	2	7.982	7.982	0.000	2396223	8.86	
						RPD = 2.01	
	9 MCPA						
	1	7.593	7.593	0.000	7697459	9.03	
	2	8.233	8.233	0.000	3289686	9.67	
						RPD = 6.83	
	7 Dichlorprop						M
	1	7.964	7.964	0.000	11613196	0.0839	
	2	8.594	8.594	0.000	4282046	0.0812	M
						RPD = 3.23	
	2 2,4-D						
	1	8.202	8.202	0.000	12712921	0.0844	
	2	8.950	8.950	0.000	5014235	0.0809	
						RPD = 4.33	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.079	9.079	0.000	15570595	0.0204	
2	9.889	9.889	0.000	5589857	0.0197	
					RPD = 3.52	
1 2,4,5-T						
1	9.394	9.394	0.000	12165220	0.0198	
2	10.369	10.369	0.000	4840695	0.0200	
					RPD = 0.67	
3 2,4-DB						
1	10.024	10.024	0.000	5239246	0.0821	
2	11.019	11.019	0.000	2157722	0.0812	
					RPD = 1.02	
8 Dinoseb						
1	11.231	11.231	0.000	6202413	0.0123	
2	11.395	11.395	0.000	2310831	0.0120	
					RPD = 2.57	

QC Flag Legend

Review Flags
M - Manually Integrated

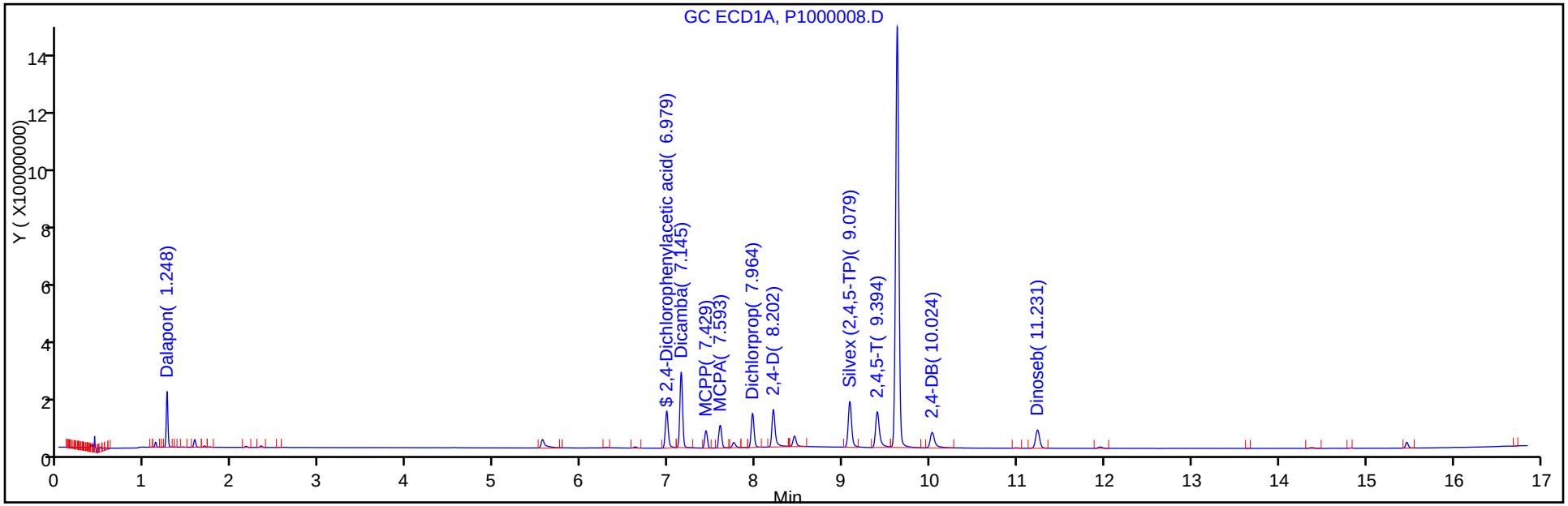
Report Date: 04-Dec-2012 09:15:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

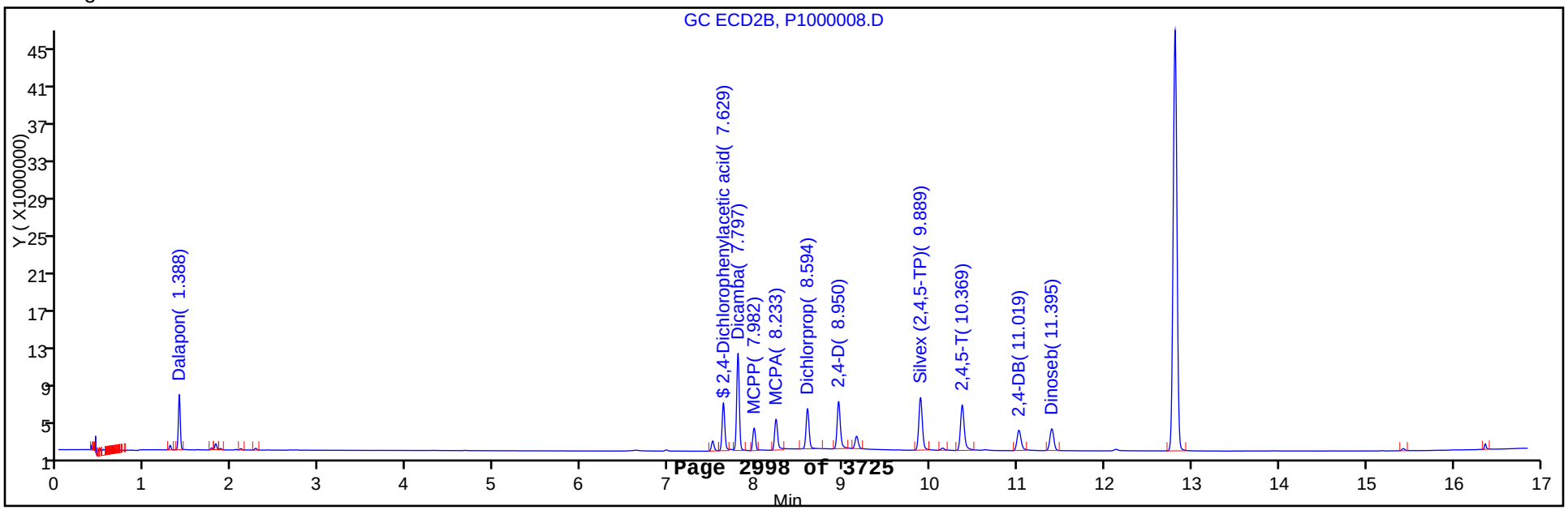
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000008.D

Injection Date:	03-Dec-2012 18:41:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	8
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

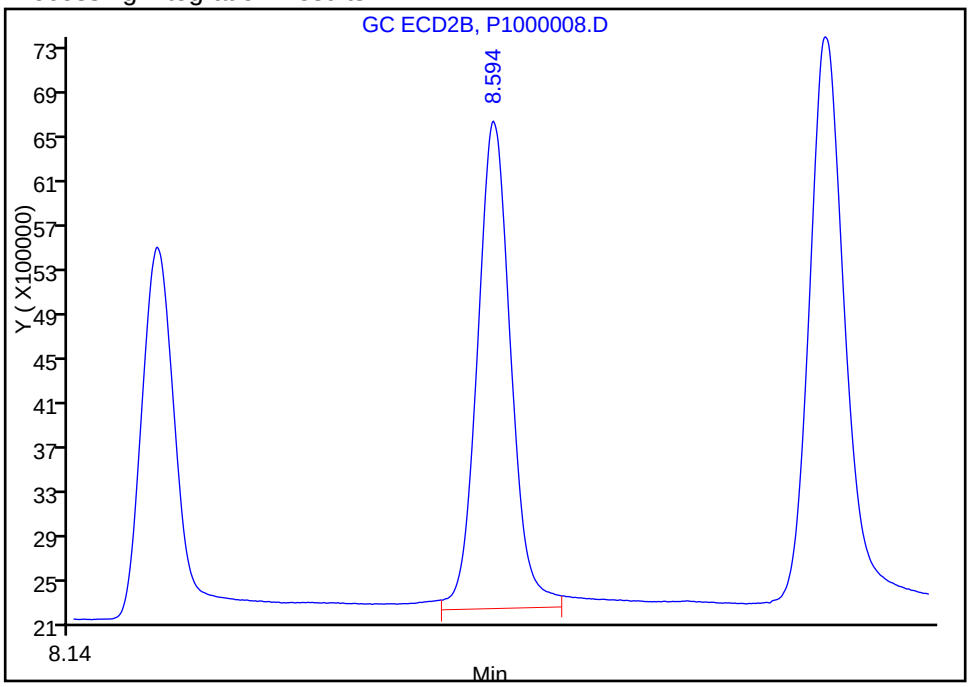
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000008.D		
Injection Date:	03-Dec-2012 18:41:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	8
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

7 Dichlorprop, Signal: 2, Type: quant, RT: 8.59, Det: GC ecd2b

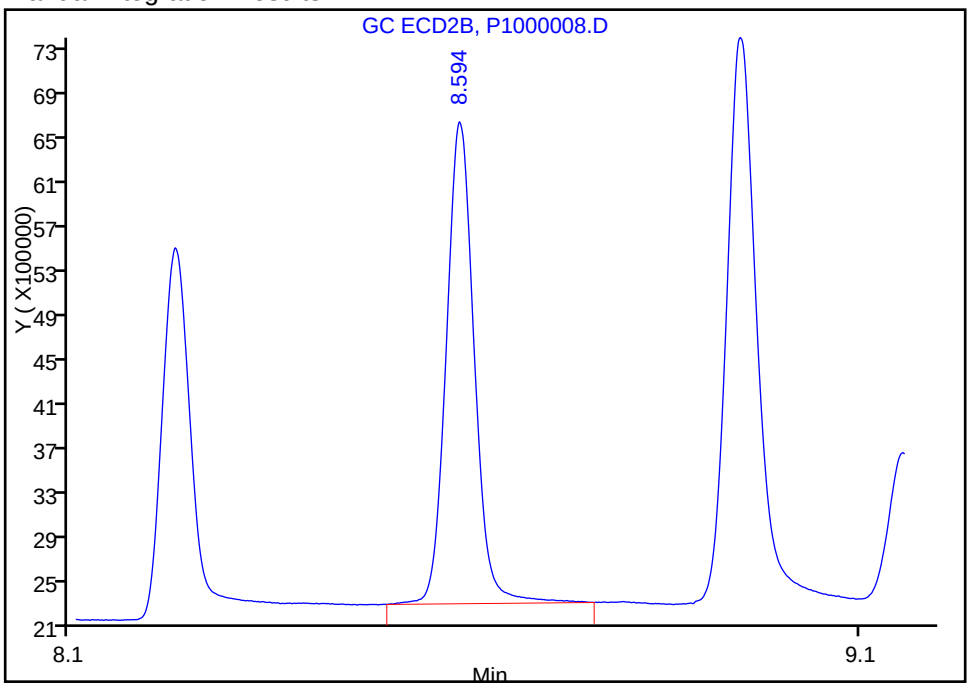
Processing Integration Results

RT: 8.59
Response: 4330919
Amount: 0.081994



Manual Integration Results

RT: 8.59
Response: 4282046
Amount: 0.081225



Reviewer: roachc, 04-Dec-2012 07:59:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000009.D		
Lims ID:	Std Corp4	Client ID:	
Inject. Date:	03-Dec-2012 19:04:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015481-009		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	67147	Lims Sample ID:	9
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:39	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:39

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.247	1.248	-0.001	34858681	0.0762	
2	1.388	1.388	0.000	11107906	0.0765	
					RPD = 0.32	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.979	0.000	22729272	0.1525	
2	7.629	7.629	0.000	9412608	0.1516	
					RPD = 0.56	
6 Dicamba						
1	7.144	7.145	-0.001	47531523	0.0769	
2	7.795	7.797	-0.002	20289132	0.0793	
					RPD = 3.09	
10 MCPP						
1	7.429	7.429	0.000	9684337	16.8	
2	7.982	7.982	0.000	4021745	16.6	
					RPD = 1.29	
9 MCPA						
1	7.592	7.593	-0.001	12261728	16.7	
2	8.233	8.233	0.000	5351638	17.6	
					RPD = 5.31	
7 Dichlorprop						
1	7.963	7.964	-0.001	21246461	0.1535	
2	8.594	8.594	0.000	8024771	0.1522	
					RPD = 0.82	
2 2,4-D						
1	8.200	8.202	-0.002	23863325	0.1585	
2	8.950	8.950	0.000	9688389	0.1563	
					RPD = 1.44	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.078	9.079	-0.001	30552412	0.0400	
2	9.891	9.889	0.002	11206626	0.0395	
					RPD = 1.37	
1 2,4,5-T						
1	9.392	9.394	-0.002	24530328	0.0400	
2	10.368	10.369	-0.001	9639961	0.0397	
					RPD = 0.58	
3 2,4-DB						
1	10.020	10.024	-0.004	10148719	0.1590	
2	11.019	11.019	0.000	4100950	0.1544	
					RPD = 2.92	
8 Dinoseb						
1	11.232	11.231	0.001	11549493	0.0228	
2	11.397	11.395	0.002	4395673	0.0227	
					RPD = 0.44	

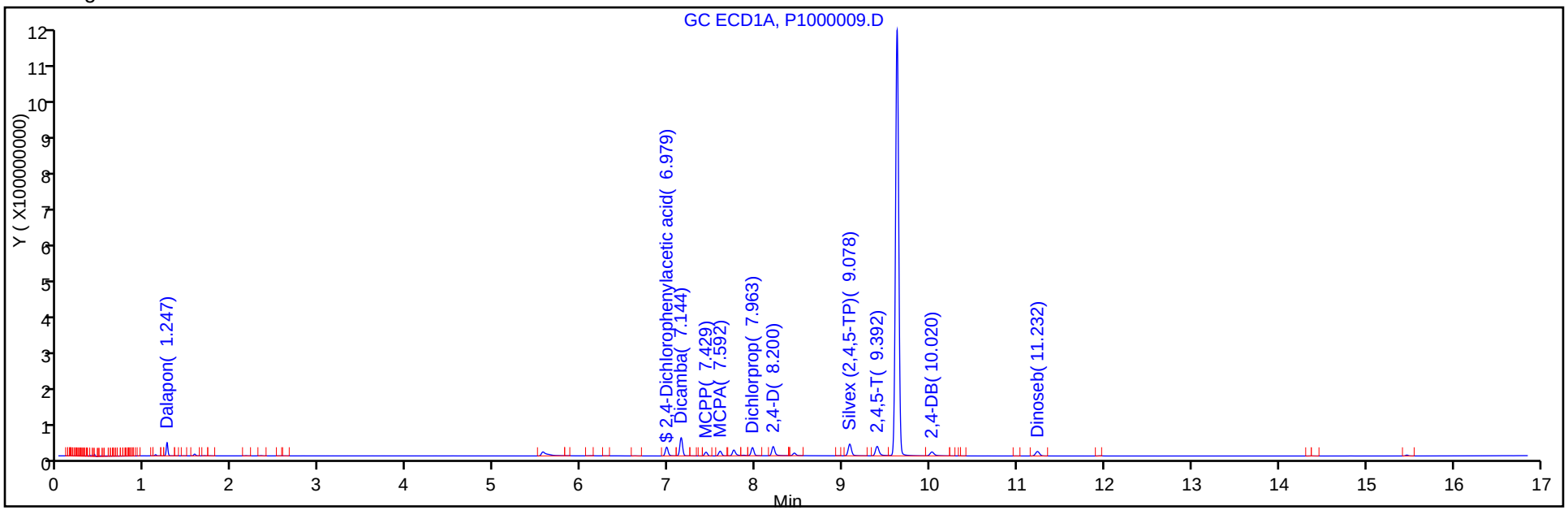
Report Date: 04-Dec-2012 09:15:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

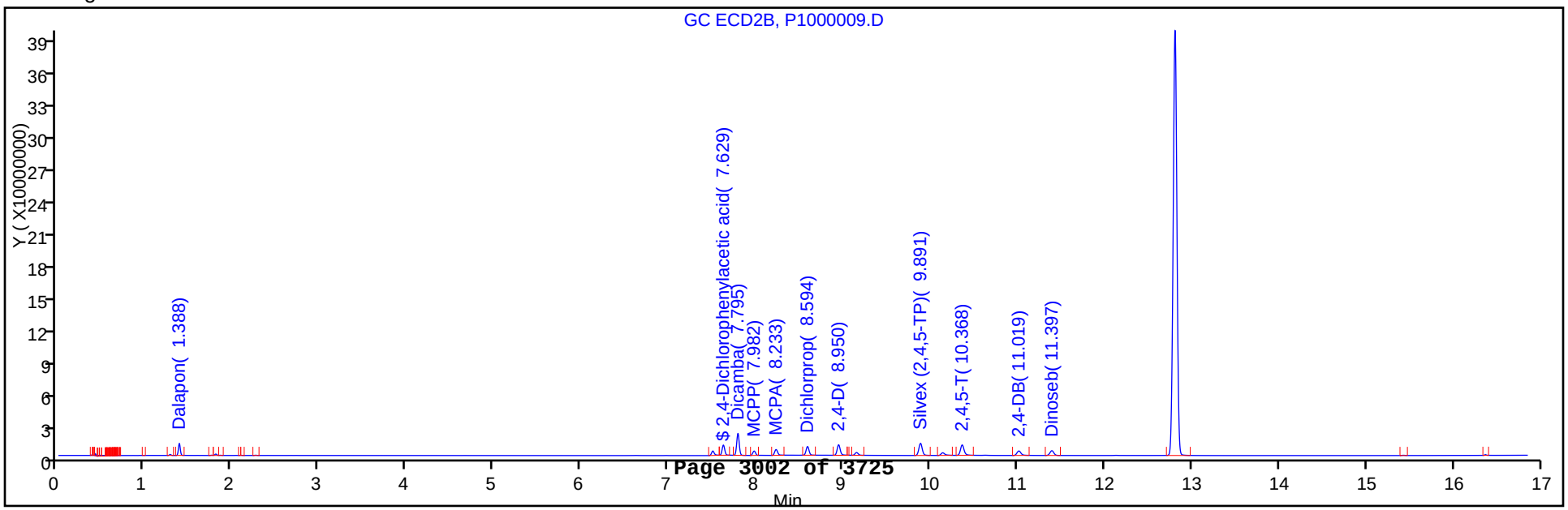
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000009.D

Injection Date:	03-Dec-2012 19:04:40	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	9
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000010.D		
Lims ID:	Std Corp5	Client ID:	
Inject. Date:	03-Dec-2012 19:28:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015481-010		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	67147	Lims Sample ID:	10
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:46	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:46

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	64464485	0.1409	
2	1.388	1.388	0.000	21568381	0.1485	
					RPD = 5.20	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.980	6.979	0.001	41394251	0.2777	
2	7.629	7.629	0.000	18205505	0.2933	
					RPD = 5.46	
6 Dicamba						
1	7.146	7.145	0.001	89217031	0.1444	
2	7.796	7.797	-0.001	39099962	0.1529	
					RPD = 5.73	
10 MCPP						
1	7.431	7.429	0.002	15928704	30.9	
2	7.982	7.982	0.000	6860738	31.2	
					RPD = 0.92	
9 MCPA						
1	7.593	7.593	0.000	20151184	31.0	
2	8.233	8.233	0.000	9176494	32.3	
					RPD = 3.89	
7 Dichlorprop						
1	7.962	7.964	-0.002	38291247	0.2766	
2	8.594	8.594	0.000	15589718	0.2957	
					RPD = 6.68	
2 2,4-D						
1	8.199	8.202	-0.003	44428439	0.2951	
2	8.950	8.950	0.000	18850994	0.3040	
					RPD = 2.97	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.078	9.079	-0.001	58502217	0.0766	
2	9.889	9.889	0.000	22295209	0.0785	
					RPD = 2.45	
1 2,4,5-T						
1	9.391	9.394	-0.003	49620375	0.0808	
2	10.367	10.369	-0.002	19353671	0.0798	
					RPD = 1.33	
3 2,4-DB						
1	10.019	10.024	-0.005	19127519	0.2996	
2	11.017	11.019	-0.002	7833671	0.2949	
					RPD = 1.58	
8 Dinoseb						
1	11.230	11.231	-0.001	21833119	0.0432	
2	11.395	11.395	0.000	8433303	0.0436	
					RPD = 1.04	

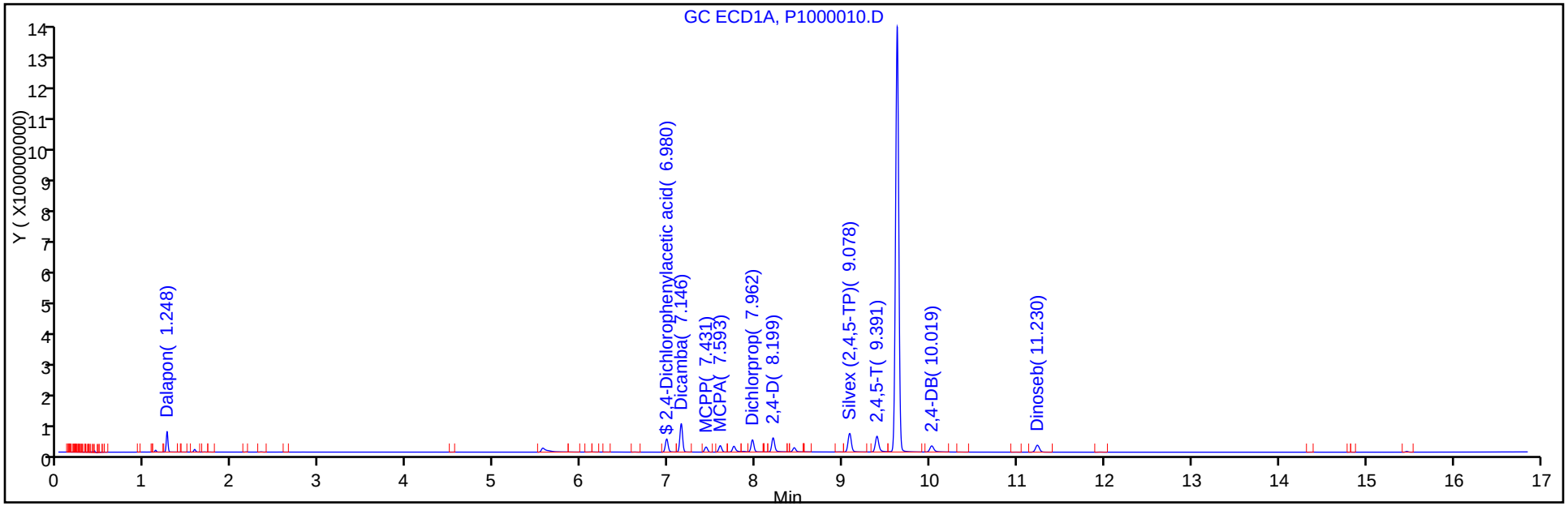
Report Date: 04-Dec-2012 09:15:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

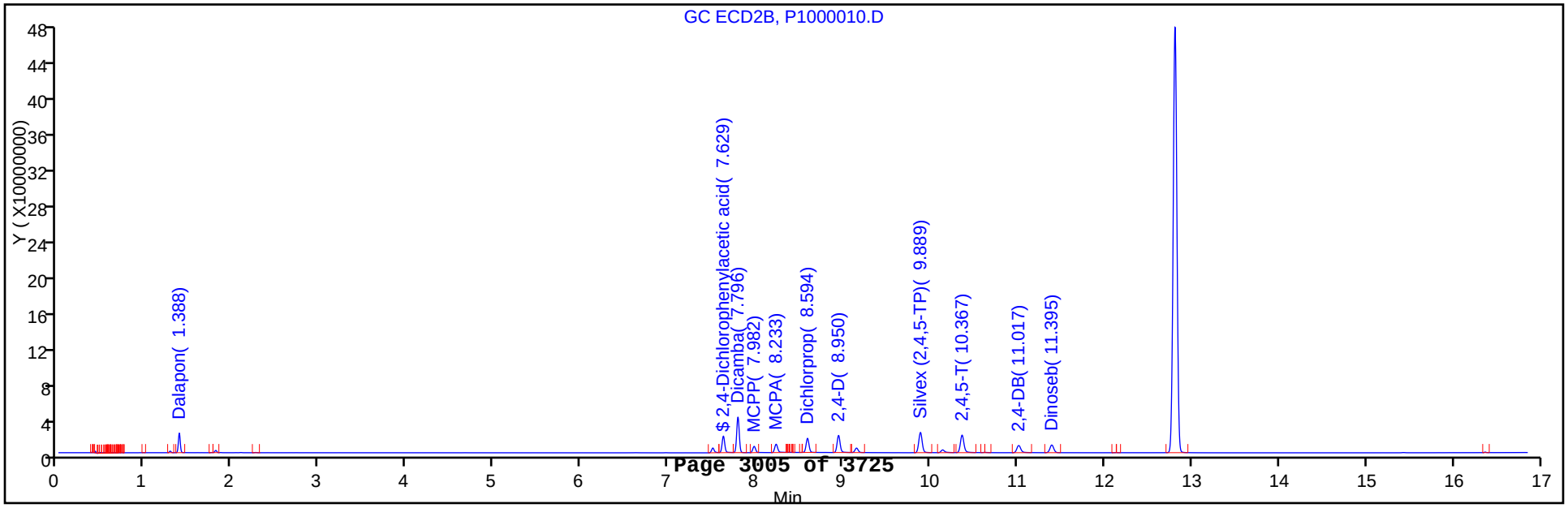
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000010.D

Injection Date:	03-Dec-2012 19:28:32	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	10
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Lims ID:	Std Corp6	Client ID:	
Inject. Date:	03-Dec-2012 19:52:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0015481-011		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	67147	Lims Sample ID:	11
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 09:15:55	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 09:15:55

	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
	5 Dalapon						
	1	1.248	1.248	0.000	121288028	0.2652	
	2	1.388	1.388	0.000	42289940	0.2911	
						RPD = 9.32	
$	4 2,4-Dichlorophenylacetic acid						
	1	6.977	6.979	-0.002	76833448	0.5154	
	2	7.628	7.629	-0.001	35620172	0.5738	
						RPD = 10.72	
	6 Dicamba						
	1	7.144	7.145	-0.001	165905083	0.2685	
	2	7.795	7.797	-0.002	76879929	0.3007	
						RPD = 11.29	
	10 MCPP						
	1	7.430	7.429	0.001	27783128	64.3	
	2	7.982	7.982	0.000	12273119	64.2	
						RPD = 0.14	
	9 MCPA						
	1	7.592	7.593	-0.001	34976673	64.2	
	2	8.234	8.233	0.001	16640034	60.9	
						RPD = 5.32	
	7 Dichlorprop						
	1	7.961	7.964	-0.003	70803641	0.5115	
	2	8.592	8.594	-0.002	30747337	0.5832	
						RPD = 13.12	
	2 2,4-D						
	1	8.197	8.202	-0.005	84437992	0.5609	
	2	8.949	8.950	-0.001	37727601	0.6085	
						RPD = 8.13	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.075	9.079	-0.004	115480945	0.1513	
2	9.888	9.889	-0.001	45316748	0.1596	
					RPD = 5.38	
1 2,4,5-T						
1	9.387	9.394	-0.007	99096490	0.1615	
2	10.364	10.369	-0.005	39796636	0.1640	
					RPD = 1.59	
3 2,4-DB						
1	10.014	10.024	-0.010	39026974	0.6113	
2	11.014	11.019	-0.005	16205984	0.6101	
					RPD = 0.19	
8 Dinoseb						
1	11.229	11.231	-0.002	42511226	0.0840	
2	11.394	11.395	-0.001	17166642	0.0888	
					RPD = 5.48	

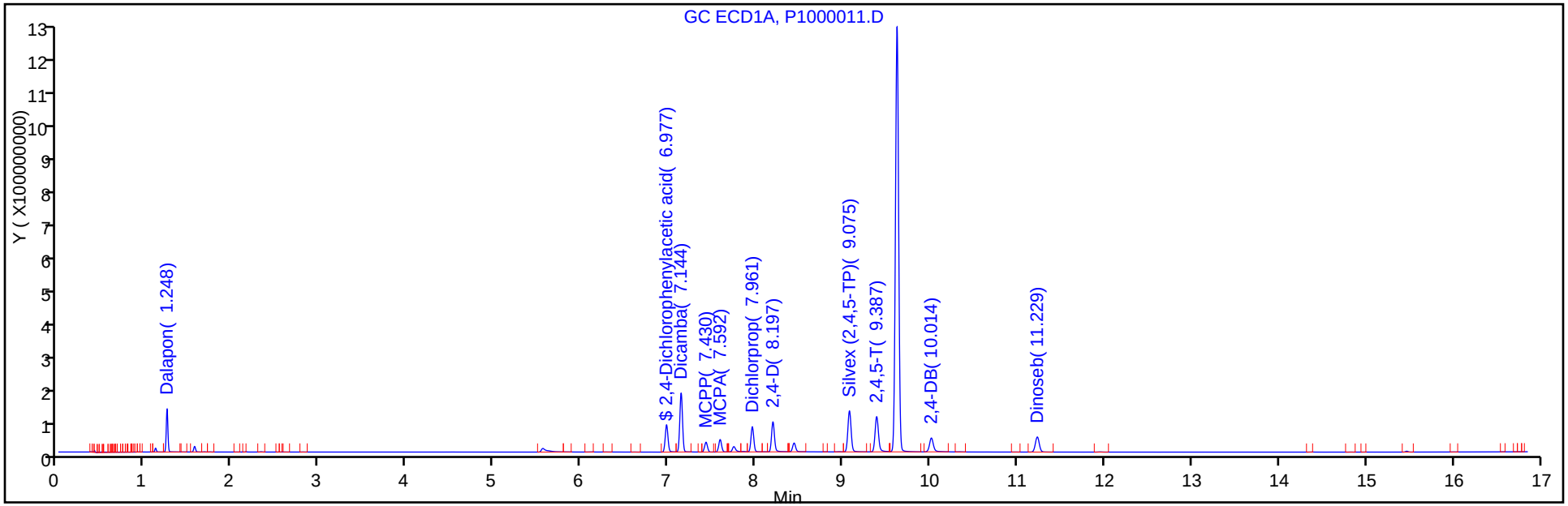
Report Date: 04-Dec-2012 09:15:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

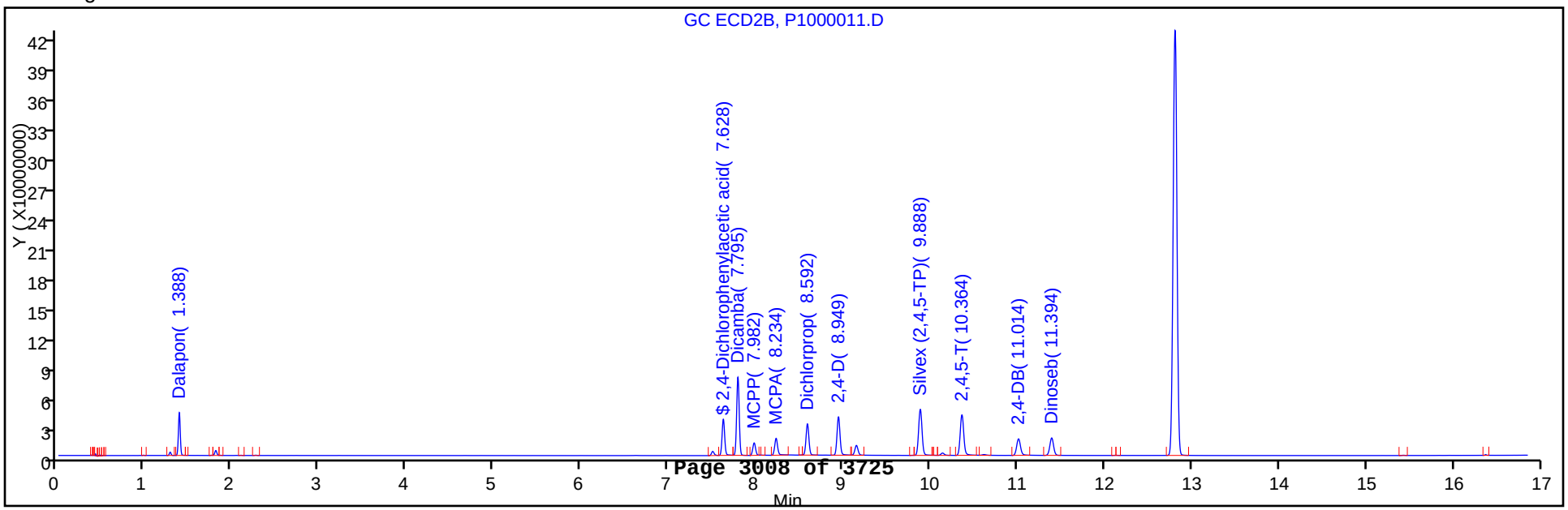
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D

Injection Date:	03-Dec-2012 19:52:08	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	11
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-58097/16 Calibration Date: 09/18/2012 15:40

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		1903997607		0.0104	0.0100	3.4	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-58097/16 Calibration Date: 09/18/2012 15:40

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.31	8.29	8.33

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D
Lims ID: ICV PCP Client ID:
Inject. Date: 18-Sep-2012 15:40:18 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0013294-016
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 58097 Lims Sample ID: 16
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m
Last Update: 18-Sep-2012 19:47:16 Calib Date: 18-Sep-2012 15:16:51
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: CORP-CTX-18

First Level Reviewer: roachc Date: 18-Sep-2012 19:41:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						M
1	8.312	8.312	0.000	19097096	0.0104	
2	9.273	9.274	-0.001	7504100	0.009710	M
					RPD = 6.59	

QC Flag Legend

Review Flags
M - Manually Integrated

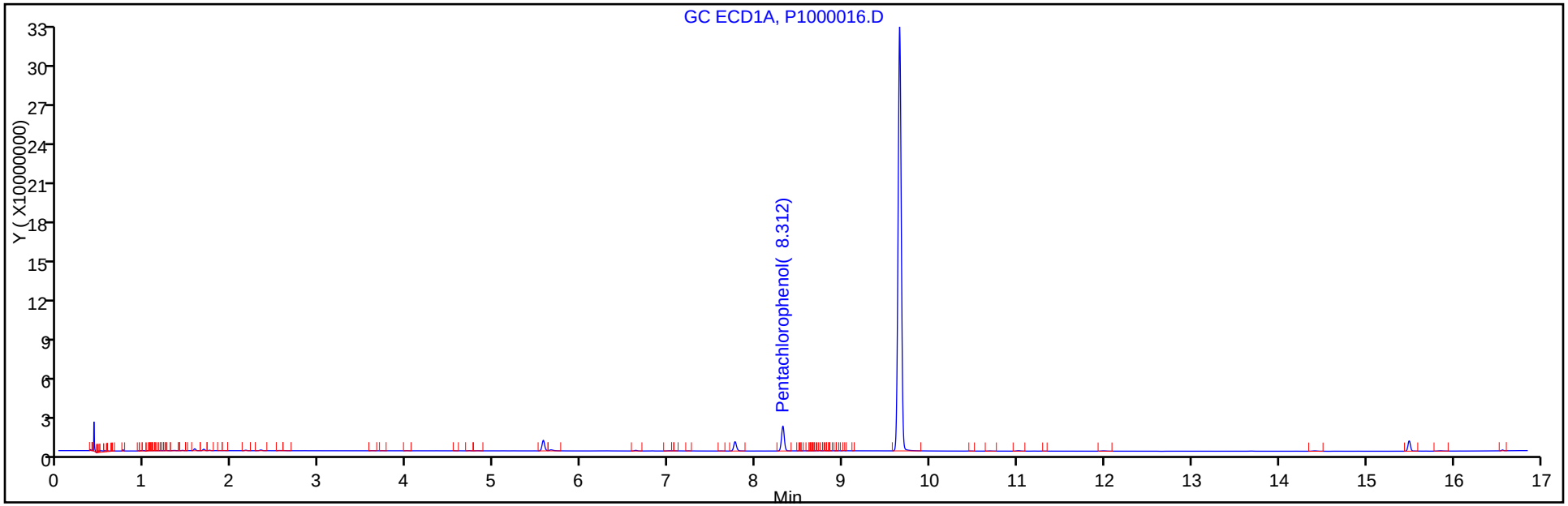
Report Date: 18-Sep-2012 19:47:17 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

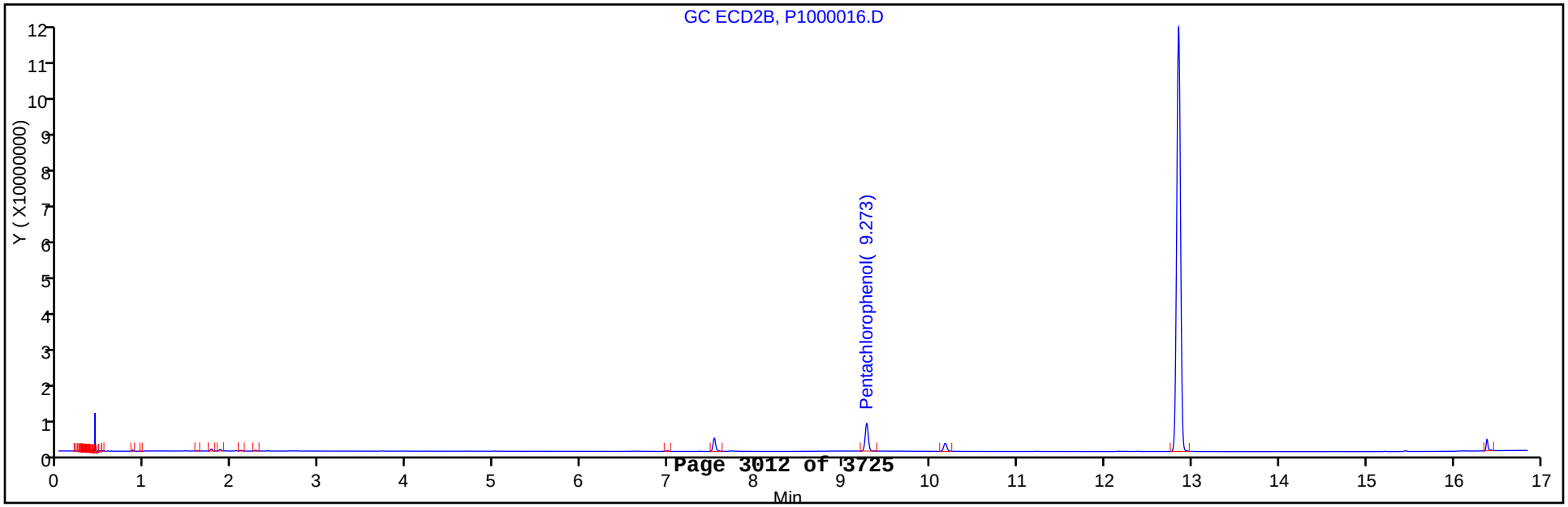
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D

Injection Date:	18-Sep-2012 15:40:18	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	16
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-58097/16 Calibration Date: 09/18/2012 15:40

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		748165503		0.00971	0.0100	-3.2	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-58097/16 Calibration Date: 09/18/2012 15:40

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.27	9.25	9.29

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D		
Lims ID:	ICV PCP	Client ID:	
Inject. Date:	18-Sep-2012 15:40:18	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0013294-016		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	58097	Lims Sample ID:	16
Sublist:			
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\8151_1.m		
Last Update:	18-Sep-2012 19:47:16	Calib Date:	18-Sep-2012 15:16:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000015.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	CORP-CTX-18		

First Level Reviewer: roachc Date: 18-Sep-2012 19:41:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						M
1	8.312	8.312	0.000	19097096	0.0104	
2	9.273	9.274	-0.001	7504100	0.009710	M
					RPD = 6.59	

QC Flag Legend

Review Flags
M - Manually Integrated

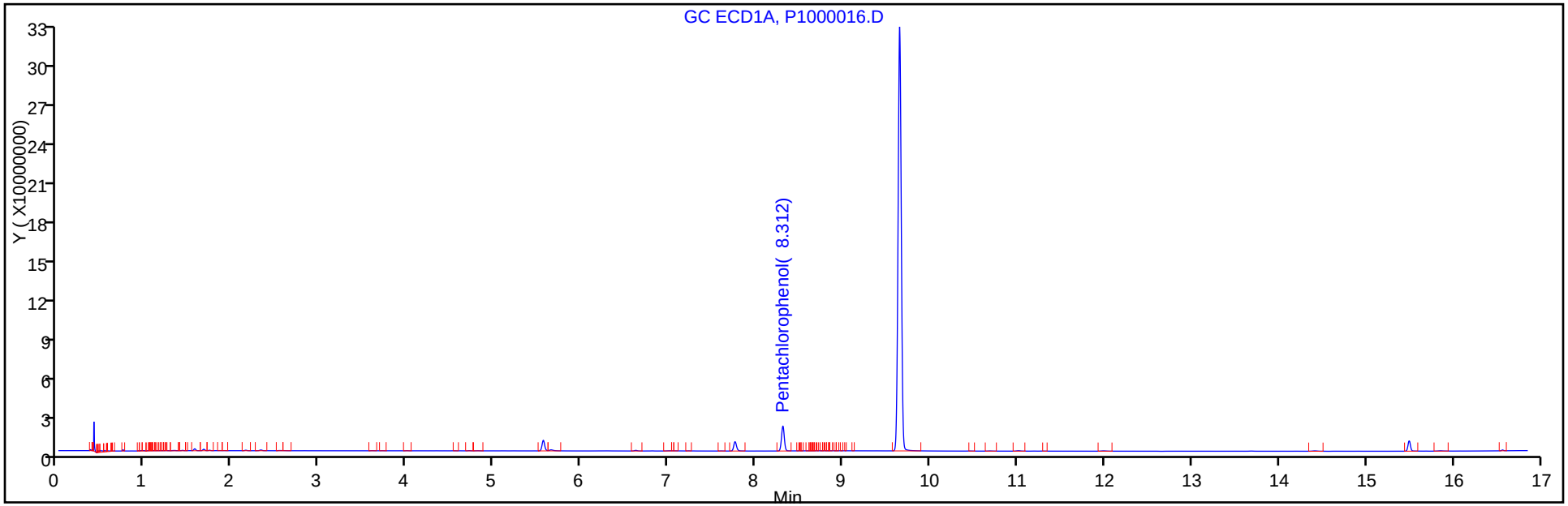
Report Date: 18-Sep-2012 19:47:18 Chrom Revision: 2.0 21-Aug-2012 09:09:58

TestAmerica Canton

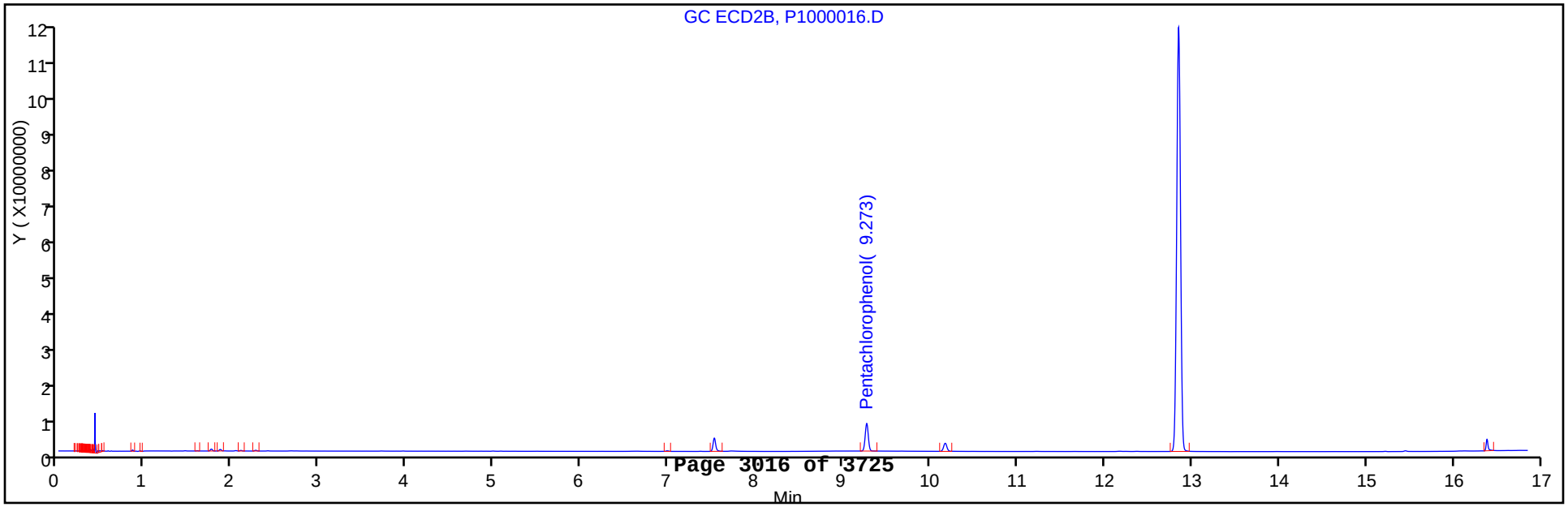
Data File: \\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D

Injection Date:	18-Sep-2012 15:40:18	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	16
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

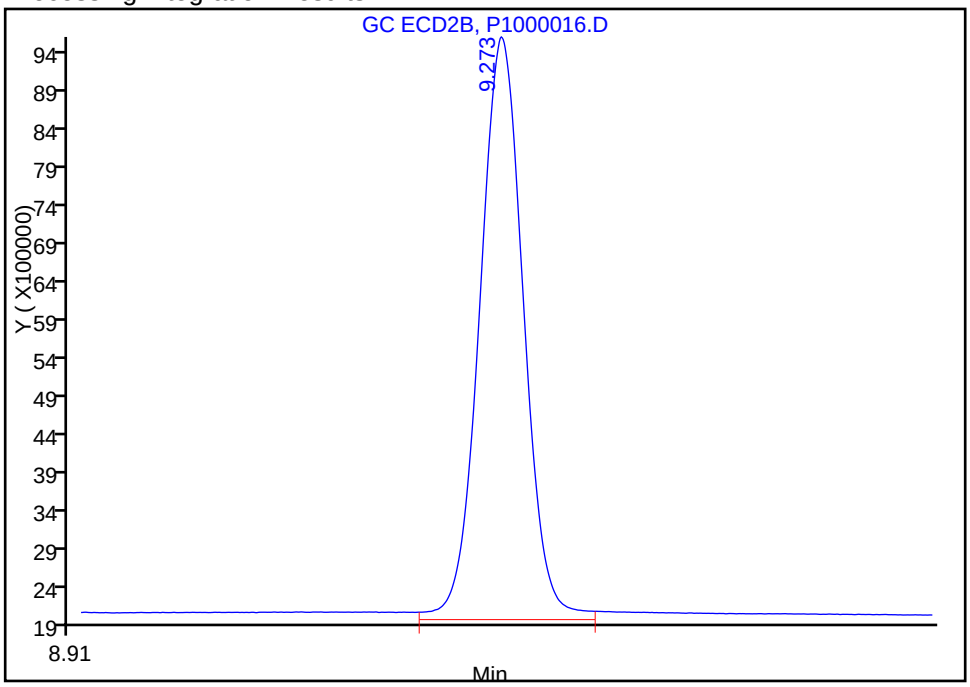
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20120918-13294.b\P1000016.D		
Injection Date:	18-Sep-2012 15:40:18	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	58097	Lims Sample ID:	16
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

11 Pentachlorophenol, Signal: 2, Type: quant, RT: 9.27, Det: GC ecd2b

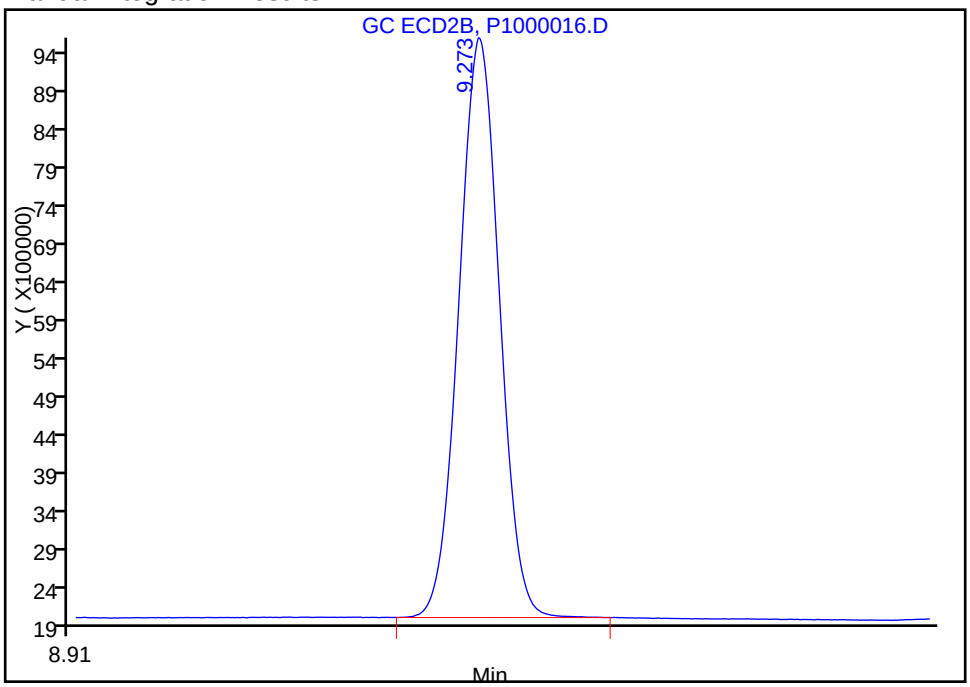
Processing Integration Results

RT: 9.27
Response: 7598435
Amount: 0.010898



Manual Integration Results

RT: 9.27
Response: 7504100
Amount: 0.009710



Reviewer: roachc, 18-Sep-2012 19:41:48
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67147/12 Calibration Date: 12/03/2012 20:15

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	430315614		0.0375	0.0399	-5.9	
Dicamba	Ave	617859973	602030225		0.0390	0.0400	-2.6	
MCPP	Qua		717995		8.72	8.00	9.1	
MCPA	Qua		929091		8.60	8.00	7.5	
Dichlorprop	Ave	138436820	148494013		0.0858	0.0800	7.3	
2,4-D	Ave	150538188	155342050		0.0826	0.0800	3.2	
Silvex (2,4,5-TP)	Ave	763444311	752046950		0.0197	0.0200	-1.5	
2,4,5-T	Ave	613790425	631130100		0.0206	0.0200	2.8	
2,4-DB	Ave	63842790	64037063		0.0802	0.0800	0.3	
Dinoseb	Ave	505863757	519217500		0.0123	0.0120	2.6	
2,4-Dichlorophenylacetic acid	Ave	149068897	148613575		0.0798	0.0800	-0.3	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67147/12 Calibration Date: 12/03/2012 20:15

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.25	1.23	1.27
Dicamba	7.15	7.13	7.17
MCPP	7.43	7.41	7.45
MCPA	7.59	7.57	7.61
Dichlorprop	7.96	7.94	7.98
2,4-D	8.20	8.18	8.22
Silvex (2,4,5-TP)	9.08	9.06	9.10
2,4,5-T	9.40	9.37	9.41
2,4-DB	10.02	10.00	10.04
Dinoseb	11.23	11.20	11.26
2,4-Dichlorophenylacetic acid	6.98	6.96	7.00

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D		
Lims ID:	ICV Corp	Client ID:	
Inject. Date:	03-Dec-2012 20:15:46	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0015481-012		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	67147	Lims Sample ID:	12
Sublist:			
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m		
Last Update:	04-Dec-2012 08:26:07	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK005		
First Level Reviewer: roachc		Date:	04-Dec-2012 08:04:07

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	17169593	0.0375	
2	1.388	1.388	0.000	5259939	0.0362	
					RPD = 3.61	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.979	0.000	11889086	0.0798	
2	7.630	7.629	0.001	4739210	0.0763	
					RPD = 4.37	
6 Dicamba						
1	7.145	7.145	0.000	24081209	0.0390	
2	7.796	7.797	-0.001	9725861	0.0380	
					RPD = 2.44	
10 MCPP						
1	7.429	7.429	0.000	5743956	8.72	
2	7.981	7.982	-0.001	2303538	8.43	
					RPD = 3.41	
9 MCPA						
1	7.592	7.593	-0.001	7432728	8.60	
2	8.234	8.233	0.001	3092604	8.91	
					RPD = 3.58	
7 Dichlorprop						
1	7.964	7.964	0.000	11879521	0.0858	
2	8.595	8.594	0.001	4414561	0.0837	
					RPD = 2.45	
2 2,4-D						
1	8.203	8.202	0.001	12427364	0.0826	
2	8.951	8.950	0.001	5047212	0.0814	
					RPD = 1.41	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						M
1	9.080	9.079	0.001	15040939	0.0197	M
2	9.890	9.889	0.001	5455084	0.0192	
					RPD = 2.50	
1 2,4,5-T						
1	9.395	9.394	0.001	12622602	0.0206	
2	10.369	10.369	0.000	4759449	0.0196	
					RPD = 4.72	
3 2,4-DB						
1	10.023	10.024	-0.001	5122965	0.0802	
2	11.018	11.019	-0.001	2054239	0.0773	
					RPD = 3.69	
8 Dinoseb						
1	11.232	11.231	0.001	6230610	0.0123	
2	11.396	11.395	0.001	2263351	0.0117	
					RPD = 5.10	

QC Flag Legend

Review Flags
M - Manually Integrated

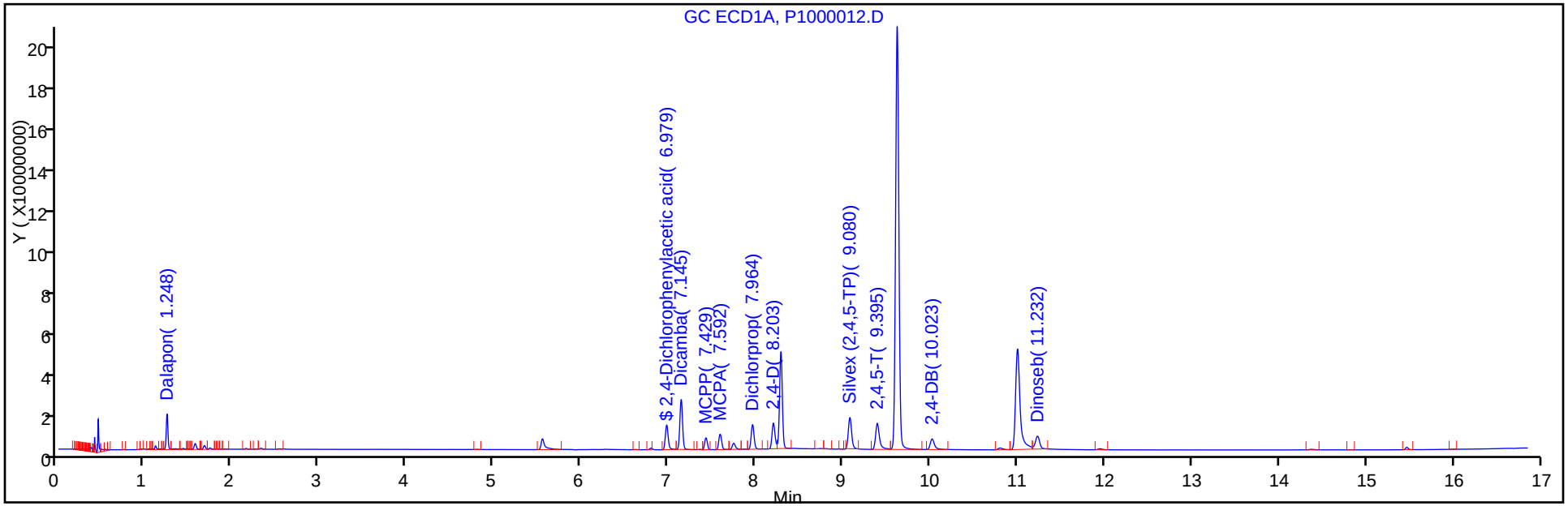
Report Date: 04-Dec-2012 08:26:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

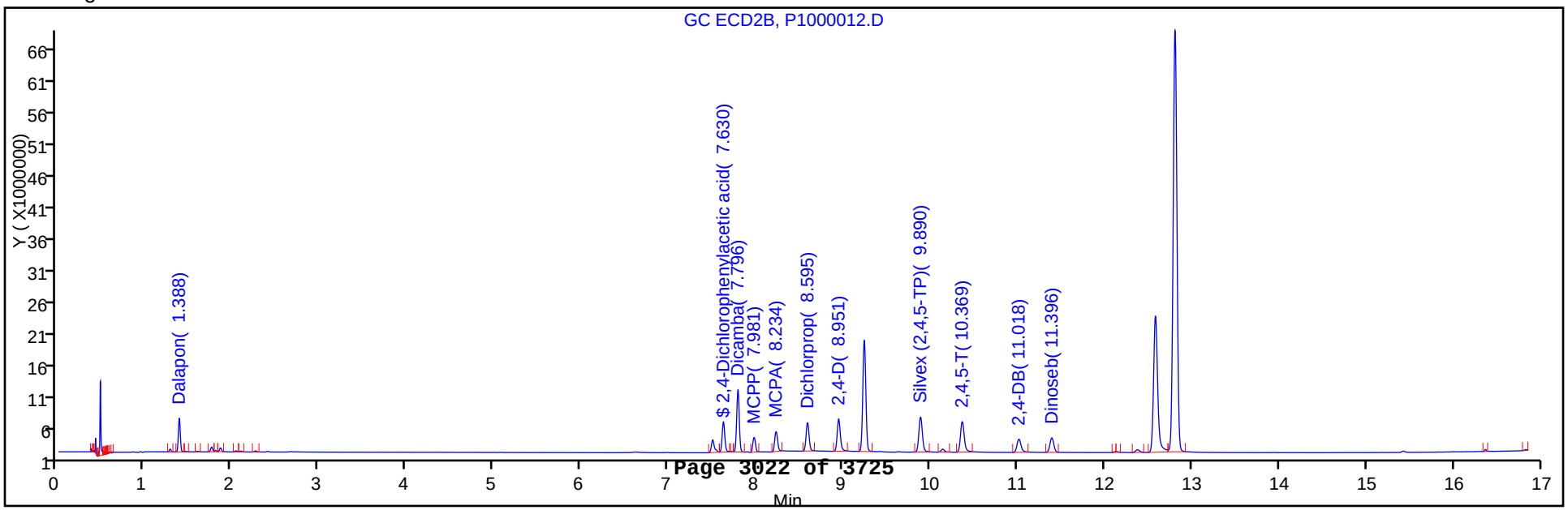
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D

Injection Date:	03-Dec-2012 20:15:46	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	12
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

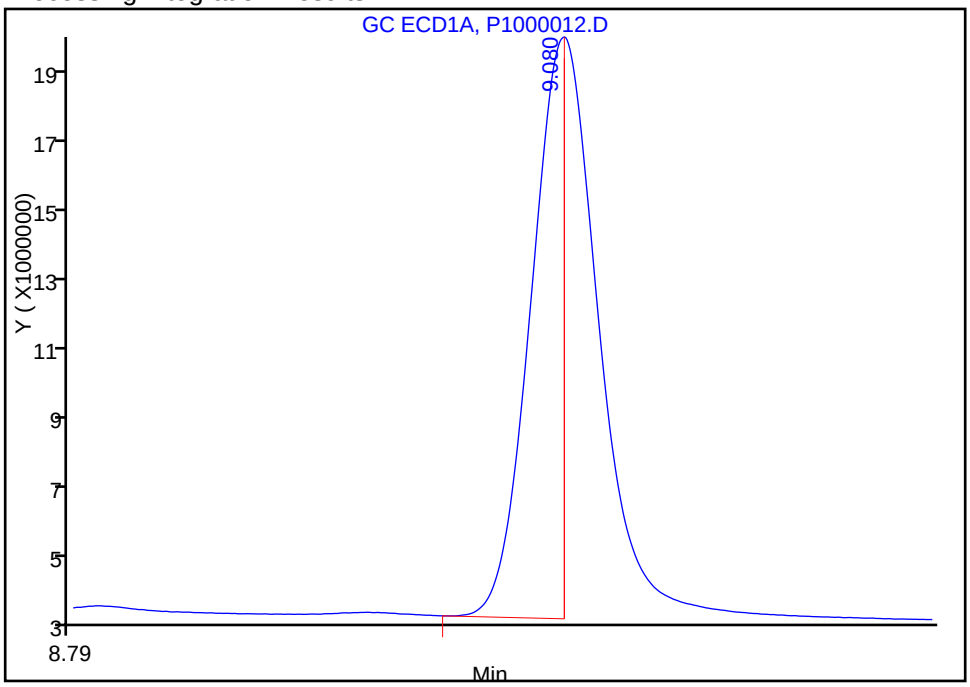
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D		
Injection Date:	03-Dec-2012 20:15:46	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	12
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

12 Silvex (2,4,5-TP), Signal: 1, Type: quant, RT: 9.08, Det: GC ECD1A

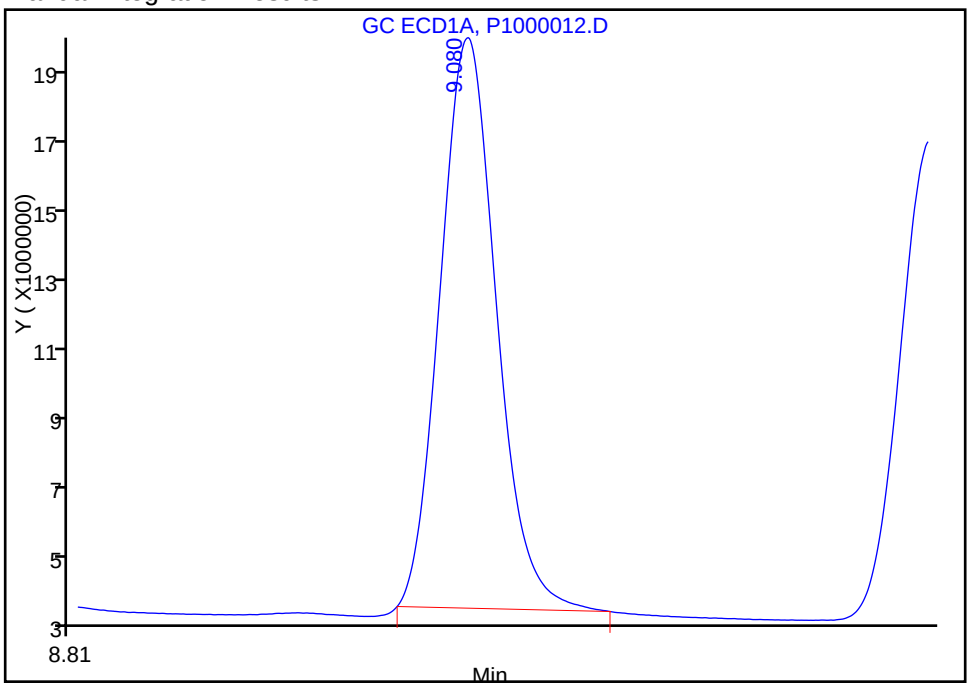
Processing Integration Results

RT: 9.08
Response: 15334585
Amount: 0.020086



Manual Integration Results

RT: 9.08
Response: 15040939
Amount: 0.019701



Reviewer: roachc, 04-Dec-2012 08:04:07
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67147/12 Calibration Date: 12/03/2012 20:15

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	131828045		0.0362	0.0399	-9.3	
Dicamba	Ave	255708069	243146525		0.0380	0.0400	-4.9	
MCPP	Qua		287942		8.43	8.00	5.4	
MCPA	Lin1		386576		8.91	8.00	11.4	
Dichlorprop	Ave	52718146	55182013		0.0837	0.0800	4.7	
2,4-D	Ave	62005138	63090150		0.0814	0.0800	1.7	
Silvex (2,4,5-TP)	Ave	283903898	272754200		0.0192	0.0200	-3.9	
2,4,5-T	Ave	242611790	237972450		0.0196	0.0200	-1.9	
2,4-DB	Ave	26562352	25677988		0.0773	0.0800	-3.3	
Dinoseb	Ave	193371382	188612583		0.0117	0.0120	-2.5	
2,4-Dichlorophenylacetic acid	Ave	62078149	59240125		0.0763	0.0800	-4.6	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 240-67147/12 Calibration Date: 12/03/2012 20:15

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.39	1.37	1.41
Dicamba	7.80	7.78	7.82
MCPP	7.98	7.96	8.00
MCPA	8.23	8.21	8.25
Dichlorprop	8.60	8.57	8.61
2,4-D	8.95	8.93	8.97
Silvex (2,4,5-TP)	9.89	9.87	9.91
2,4,5-T	10.37	10.35	10.39
2,4-DB	11.02	11.00	11.04
Dinoseb	11.40	11.37	11.43
2,4-Dichlorophenylacetic acid	7.63	7.61	7.65

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D
Lims ID: ICV Corp Client ID:
Inject. Date: 03-Dec-2012 20:15:46 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015481-012
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 67147 Lims Sample ID: 12
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121203-15481.b\8151_1.m
Last Update: 04-Dec-2012 08:26:07 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK005

First Level Reviewer: roachc Date: 04-Dec-2012 08:04:07

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.248	1.248	0.000	17169593	0.0375	
2	1.388	1.388	0.000	5259939	0.0362	
					RPD = 3.61	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.979	6.979	0.000	11889086	0.0798	
2	7.630	7.629	0.001	4739210	0.0763	
					RPD = 4.37	
6 Dicamba						
1	7.145	7.145	0.000	24081209	0.0390	
2	7.796	7.797	-0.001	9725861	0.0380	
					RPD = 2.44	
10 MCPP						
1	7.429	7.429	0.000	5743956	8.72	
2	7.981	7.982	-0.001	2303538	8.43	
					RPD = 3.41	
9 MCPA						
1	7.592	7.593	-0.001	7432728	8.60	
2	8.234	8.233	0.001	3092604	8.91	
					RPD = 3.58	
7 Dichlorprop						
1	7.964	7.964	0.000	11879521	0.0858	
2	8.595	8.594	0.001	4414561	0.0837	
					RPD = 2.45	
2 2,4-D						
1	8.203	8.202	0.001	12427364	0.0826	
2	8.951	8.950	0.001	5047212	0.0814	
					RPD = 1.41	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						M
1	9.080	9.079	0.001	15040939	0.0197	M
2	9.890	9.889	0.001	5455084	0.0192	
					RPD = 2.50	
1 2,4,5-T						
1	9.395	9.394	0.001	12622602	0.0206	
2	10.369	10.369	0.000	4759449	0.0196	
					RPD = 4.72	
3 2,4-DB						
1	10.023	10.024	-0.001	5122965	0.0802	
2	11.018	11.019	-0.001	2054239	0.0773	
					RPD = 3.69	
8 Dinoseb						
1	11.232	11.231	0.001	6230610	0.0123	
2	11.396	11.395	0.001	2263351	0.0117	
					RPD = 5.10	

QC Flag Legend

Review Flags
M - Manually Integrated

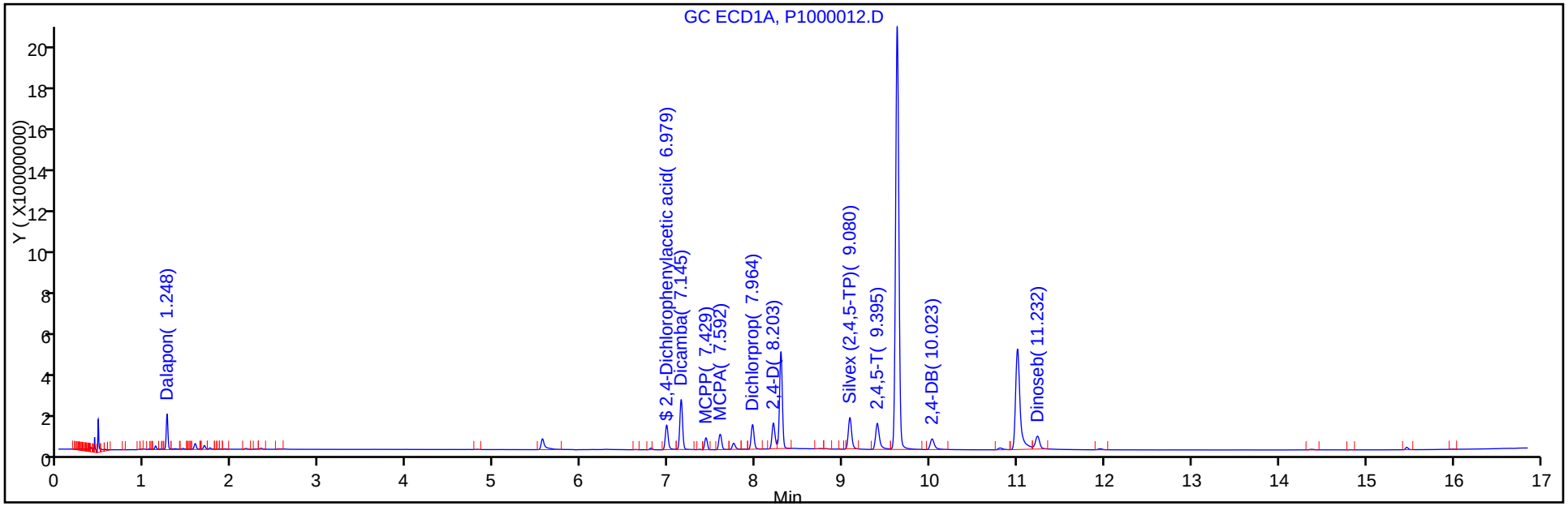
Report Date: 04-Dec-2012 08:26:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

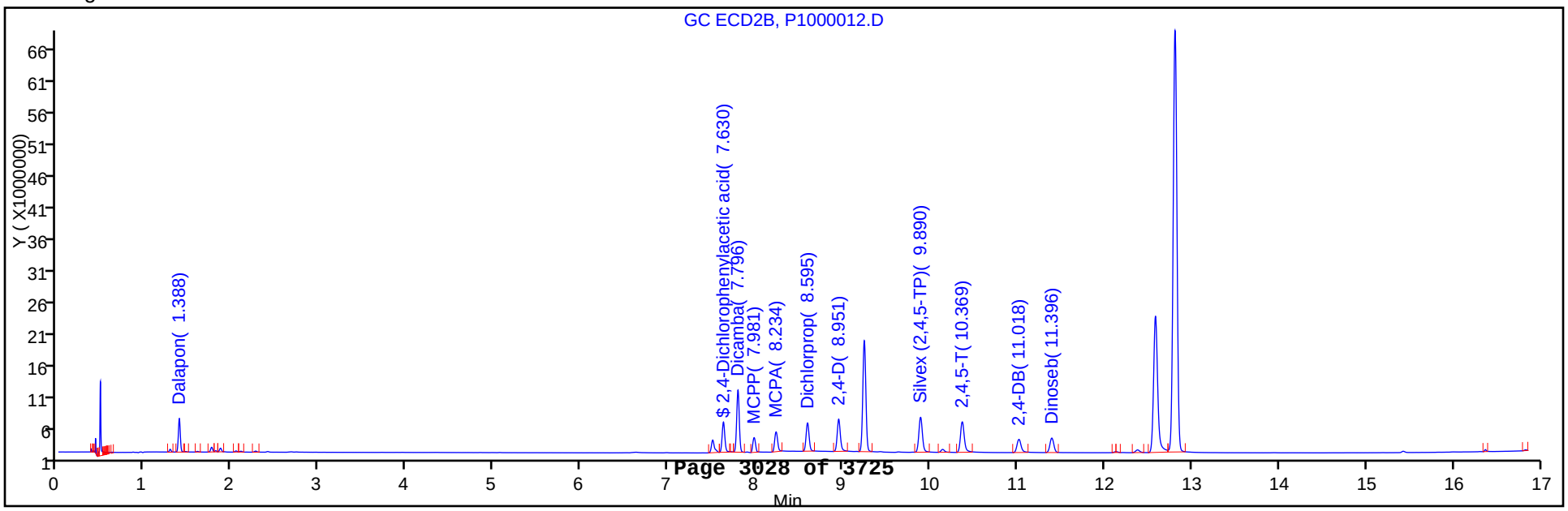
Data File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000012.D

Injection Date:	03-Dec-2012 20:15:46	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	67147	Lims Sample ID:	12
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/5 Calibration Date: 12/22/2012 12:38

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	470744600		0.0412	0.0400	2.9	20.0
Dicamba	Ave	617859973	677451075		0.0439	0.0400	9.6	20.0
MCPP	Qua		776408		9.66	8.00	20.7*	20.0
MCPA	Qua		991367		9.41	8.00	17.6	20.0
Dichlorprop	Ave	138436820	148720200		0.0859	0.0800	7.4	20.0
2,4-D	Ave	150538188	154338075		0.0820	0.0800	2.5	20.0
Silvex (2,4,5-TP)	Ave	763444311	766518450		0.0201	0.0200	0.4	20.0
2,4,5-T	Ave	613790425	579629850		0.0189	0.0200	-5.6	20.0
2,4-DB	Ave	63842790	62144663		0.0779	0.0800	-2.7	20.0
Dinoseb	Ave	505863757	448311583		0.0106	0.0120	-11.4	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	161701150		0.0868	0.0800	8.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/5 Calibration Date: 12/22/2012 12:38

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.23	1.21	1.25
Dicamba	7.13	7.11	7.15
MCPP	7.41	7.39	7.43
MCPA	7.57	7.55	7.59
Dichlorprop	7.94	7.92	7.96
2,4-D	8.18	8.16	8.20
Silvex (2,4,5-TP)	9.06	9.04	9.08
2,4,5-T	9.37	9.35	9.39
2,4-DB	10.00	9.98	10.02
Dinoseb	11.20	11.17	11.23
2,4-Dichlorophenylacetic acid	6.96	6.94	6.98

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000005.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	22-Dec-2012 12:38:54	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0016119-005		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	69890	Lims Sample ID:	5
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:05	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		
First Level Reviewer: bolgrind		Date:	24-Dec-2012 10:06:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.234	1.234	0.000	18829784	0.0412	
2	1.375	1.375	0.000	5966276	0.0411	
					RPD = 0.24	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.960	6.960	0.000	12936092	0.0868	
2	7.613	7.613	0.000	5287825	0.0852	
					RPD = 1.86	
6 Dicamba						
1	7.125	7.125	0.000	27098043	0.0439	
2	7.780	7.780	0.000	10831439	0.0424	
					RPD = 3.48	
10 MCPP						
1	7.410	7.410	0.000	6211266	9.66	
2	7.965	7.965	0.000	2337457	8.59	
					RPD = 11.74	
9 MCPA						
1	7.573	7.573	0.000	7930935	9.41	
2	8.216	8.216	0.000	3202956	9.33	
					RPD = 0.80	
7 Dichlorprop						
1	7.942	7.942	0.000	11897616	0.0859	
2	8.576	8.576	0.000	4379433	0.0831	
					RPD = 3.40	
2 2,4-D						
1	8.182	8.182	0.000	12347046	0.0820	
2	8.933	8.933	0.000	4823575	0.0778	
					RPD = 5.29	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.055	9.055	0.000	15330369	0.0201	
2	9.868	9.868	0.000	5572397	0.0196	
					RPD = 2.28	
1 2,4,5-T						
1	9.370	9.370	0.000	11592597	0.0189	
2	10.346	10.346	0.000	4637758	0.0191	
					RPD = 1.21	
3 2,4-DB						
1	9.998	9.998	0.000	4971573	0.0779	
2	10.998	10.998	0.000	2040598	0.0768	
					RPD = 1.36	
8 Dinoseb						
1	11.204	11.204	0.000	5379739	0.0106	
2	11.371	11.371	0.000	2026149	0.0105	
					RPD = 1.48	

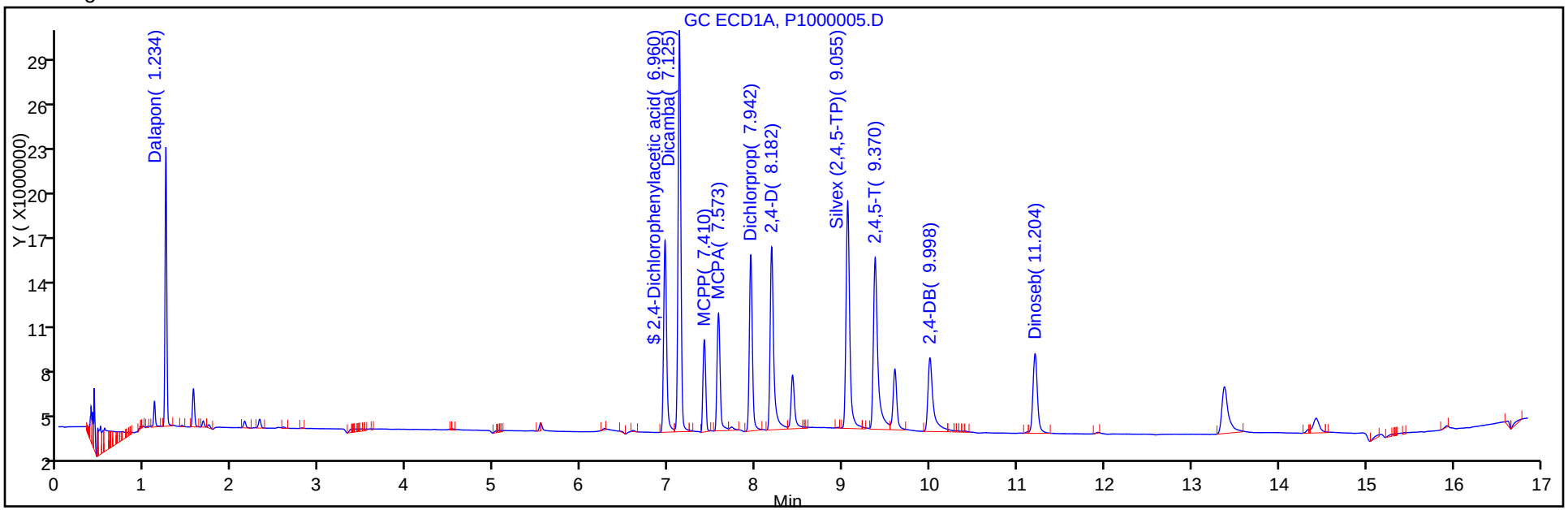
Report Date: 26-Dec-2012 15:31:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

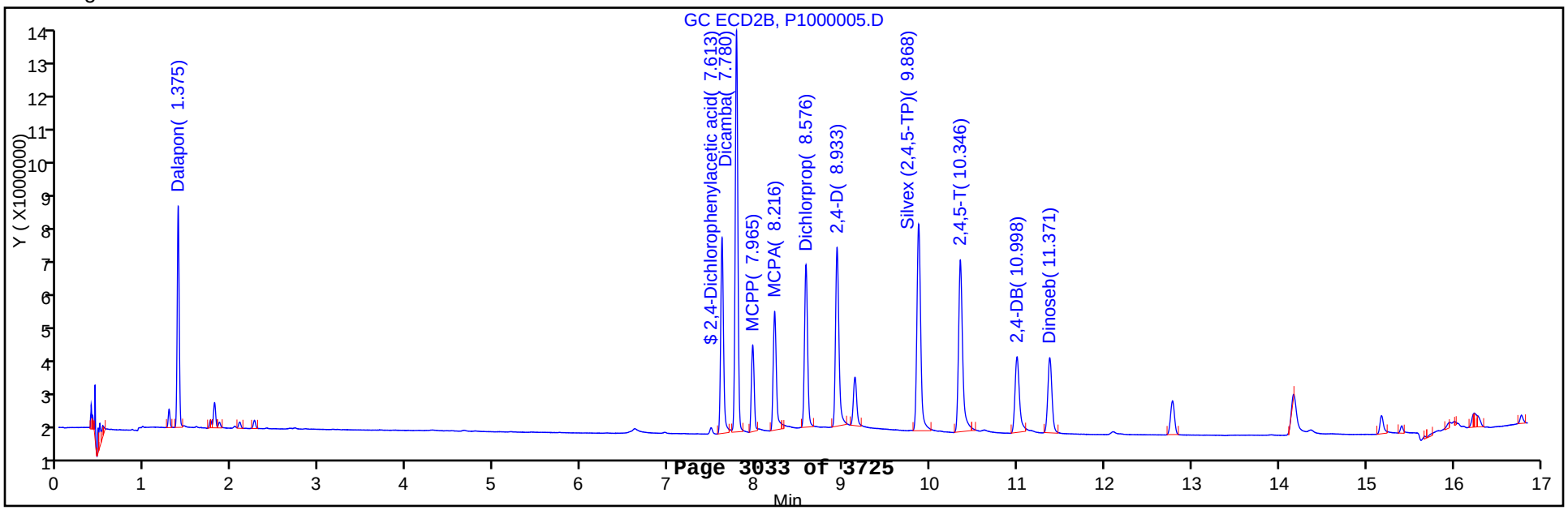
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000005.D

Injection Date:	22-Dec-2012 12:38:54	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	5
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/5 Calibration Date: 12/22/2012 12:38

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	149156900		0.0411	0.0400	2.7	20.0
Dicamba	Ave	255708069	270785975		0.0424	0.0400	5.9	20.0
MCPP	Qua		292182		8.59	8.00	7.4	20.0
MCPA	Lin1		400370		9.33	8.00	16.7	20.0
Dichlorprop	Ave	52718146	54742913		0.0831	0.0800	3.8	20.0
2,4-D	Ave	62005138	60294688		0.0778	0.0800	-2.8	20.0
Silvex (2,4,5-TP)	Ave	283903898	278619850		0.0196	0.0200	-1.9	20.0
2,4,5-T	Ave	242611790	231887900		0.0191	0.0200	-4.4	20.0
2,4-DB	Ave	26562352	25507475		0.0768	0.0800	-4.0	20.0
Dinoseb	Ave	193371382	168845750		0.0105	0.0120	-12.7	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	66097813		0.0852	0.0800	6.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/5 Calibration Date: 12/22/2012 12:38

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.38	1.36	1.40
Dicamba	7.78	7.76	7.80
MCPP	7.97	7.95	7.99
MCPA	8.22	8.20	8.24
Dichlorprop	8.58	8.56	8.60
2,4-D	8.93	8.91	8.95
Silvex (2,4,5-TP)	9.87	9.85	9.89
2,4,5-T	10.35	10.33	10.37
2,4-DB	11.00	10.98	11.02
Dinoseb	11.37	11.34	11.40
2,4-Dichlorophenylacetic acid	7.61	7.59	7.63

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000005.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	22-Dec-2012 12:38:54	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0016119-005		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	69890	Lims Sample ID:	5
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:05	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		
First Level Reviewer: bolgrind		Date:	24-Dec-2012 10:06:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.234	1.234	0.000	18829784	0.0412	
2	1.375	1.375	0.000	5966276	0.0411	
					RPD = 0.24	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.960	6.960	0.000	12936092	0.0868	
2	7.613	7.613	0.000	5287825	0.0852	
					RPD = 1.86	
6 Dicamba						
1	7.125	7.125	0.000	27098043	0.0439	
2	7.780	7.780	0.000	10831439	0.0424	
					RPD = 3.48	
10 MCPP						
1	7.410	7.410	0.000	6211266	9.66	
2	7.965	7.965	0.000	2337457	8.59	
					RPD = 11.74	
9 MCPA						
1	7.573	7.573	0.000	7930935	9.41	
2	8.216	8.216	0.000	3202956	9.33	
					RPD = 0.80	
7 Dichlorprop						
1	7.942	7.942	0.000	11897616	0.0859	
2	8.576	8.576	0.000	4379433	0.0831	
					RPD = 3.40	
2 2,4-D						
1	8.182	8.182	0.000	12347046	0.0820	
2	8.933	8.933	0.000	4823575	0.0778	
					RPD = 5.29	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.055	9.055	0.000	15330369	0.0201	
2	9.868	9.868	0.000	5572397	0.0196	
					RPD = 2.28	
1 2,4,5-T						
1	9.370	9.370	0.000	11592597	0.0189	
2	10.346	10.346	0.000	4637758	0.0191	
					RPD = 1.21	
3 2,4-DB						
1	9.998	9.998	0.000	4971573	0.0779	
2	10.998	10.998	0.000	2040598	0.0768	
					RPD = 1.36	
8 Dinoseb						
1	11.204	11.204	0.000	5379739	0.0106	
2	11.371	11.371	0.000	2026149	0.0105	
					RPD = 1.48	

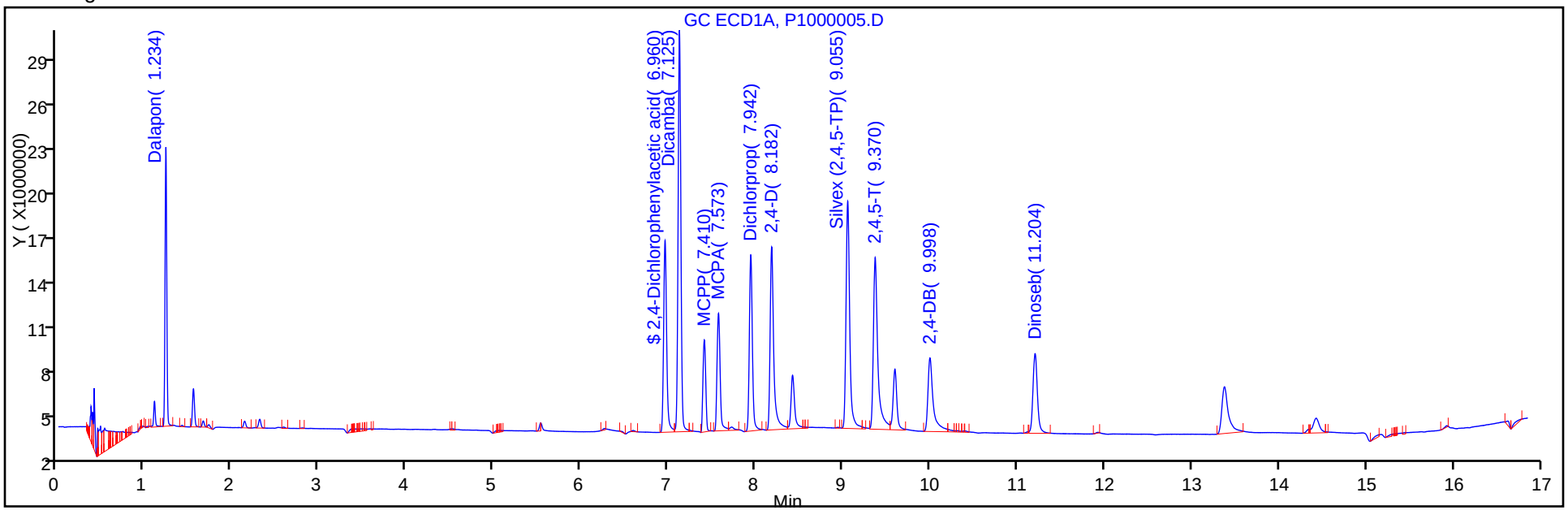
Report Date: 26-Dec-2012 15:31:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

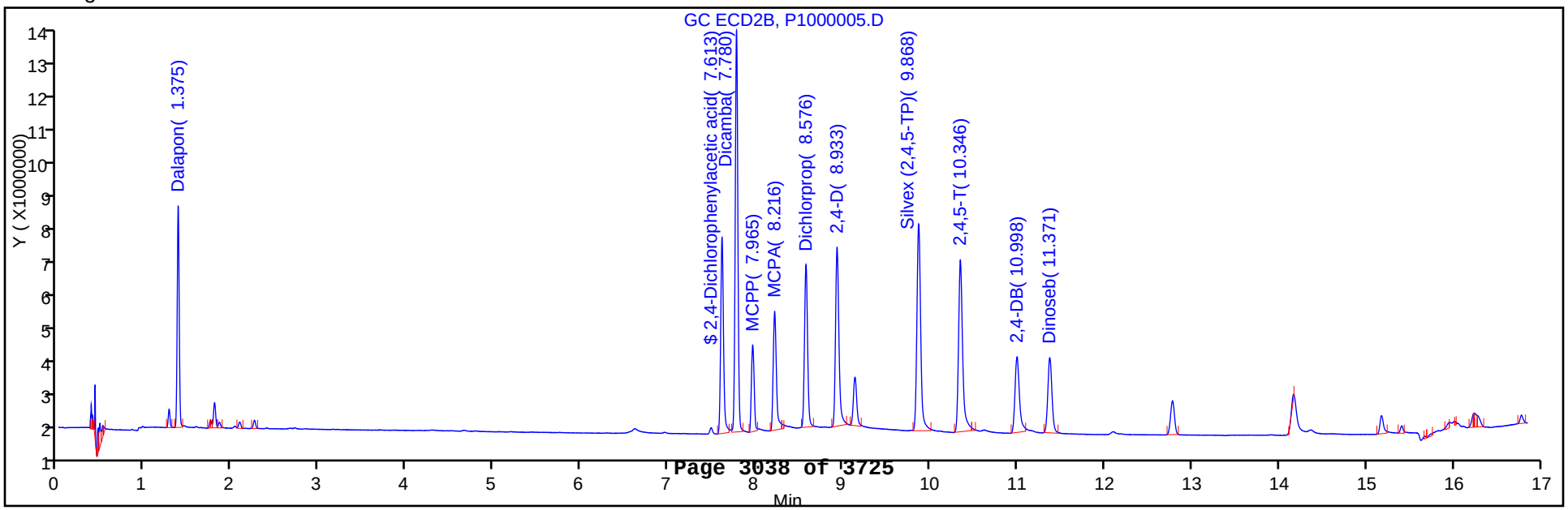
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000005.D

Injection Date:	22-Dec-2012 12:38:54	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	5
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/15 Calibration Date: 12/22/2012 16:34

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	482373975		0.0422	0.0400	5.5	20.0
Dicamba	Ave	617859973	676595175		0.0438	0.0400	9.5	20.0
MCPP	Qua		772729		9.60	8.00	20.0	20.0
MCPA	Qua		994368		9.45	8.00	18.1	20.0
Dichlorprop	Ave	138436820	150530938		0.0870	0.0800	8.7	20.0
2,4-D	Ave	150538188	156604250		0.0832	0.0800	4.0	20.0
Silvex (2,4,5-TP)	Ave	763444311	779383450		0.0204	0.0200	2.1	20.0
2,4,5-T	Ave	613790425	586091450		0.0191	0.0200	-4.5	20.0
2,4-DB	Ave	63842790	62752575		0.0786	0.0800	-1.7	20.0
Dinoseb	Ave	505863757	479866417		0.0114	0.0120	-5.1	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	164028188		0.0880	0.0800	10.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/15 Calibration Date: 12/22/2012 16:34

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.23	1.21	1.25
Dicamba	7.13	7.11	7.15
MCPP	7.41	7.39	7.43
MCPA	7.57	7.55	7.59
Dichlorprop	7.94	7.92	7.96
2,4-D	8.18	8.16	8.20
Silvex (2,4,5-TP)	9.05	9.03	9.07
2,4,5-T	9.37	9.35	9.39
2,4-DB	10.00	9.98	10.02
Dinoseb	11.20	11.17	11.23
2,4-Dichlorophenylacetic acid	6.96	6.94	6.98

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000015.D
Lims ID: CCV Client ID:
Inject. Date: 22-Dec-2012 16:34:05 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-015
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 69890 Lims Sample ID: 15
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:14 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.233	1.233	0.000	19294959	0.0422	
2	1.378	1.378	0.000	6205725	0.0427	
					RPD = 1.25	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.958	6.958	0.000	13122255	0.0880	
2	7.617	7.617	0.000	5398633	0.0870	
					RPD = 1.21	
6 Dicamba						
1	7.125	7.125	0.000	27063807	0.0438	
2	7.784	7.784	0.000	11117303	0.0435	
					RPD = 0.75	
10 MCPP						
1	7.410	7.410	0.000	6181828	9.60	
2	7.968	7.968	0.000	2399434	8.88	
					RPD = 7.83	
9 MCPA						
1	7.572	7.572	0.000	7954940	9.45	
2	8.221	8.221	0.000	3222182	9.41	
					RPD = 0.43	
7 Dichlorprop						
1	7.943	7.943	0.000	12042475	0.0870	
2	8.580	8.580	0.000	4568139	0.0867	
					RPD = 0.39	
2 2,4-D						
1	8.182	8.182	0.000	12528340	0.0832	
2	8.937	8.937	0.000	4942084	0.0797	
					RPD = 4.32	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.054	9.054	0.000	15587669	0.0204	
2	9.873	9.873	0.000	5759910	0.0203	
					RPD = 0.64	
1 2,4,5-T						
1	9.369	9.369	0.000	11721829	0.0191	
2	10.352	10.352	0.000	4761501	0.0196	
					RPD = 2.73	
3 2,4-DB						
1	9.998	9.998	0.000	5020206	0.0786	
2	11.002	11.002	0.000	2114037	0.0796	
					RPD = 1.21	
8 Dinoseb						
1	11.202	11.202	0.000	5758397	0.0114	
2	11.378	11.378	0.000	2196337	0.0114	
					RPD = 0.22	

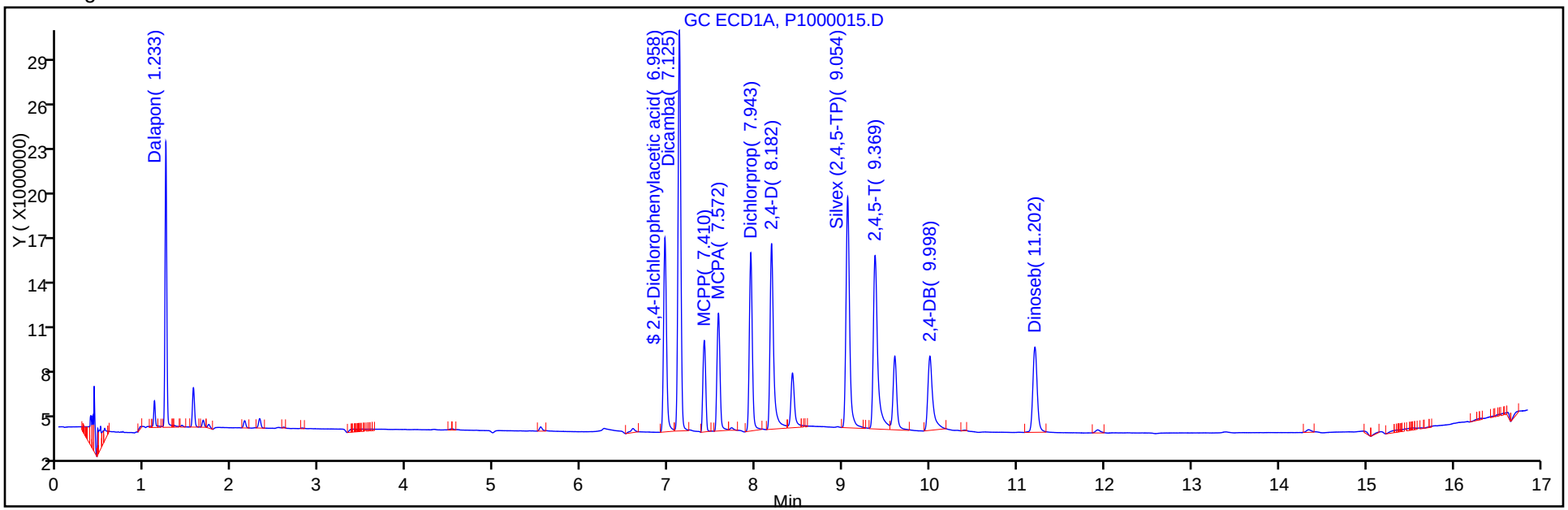
Report Date: 26-Dec-2012 15:31:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

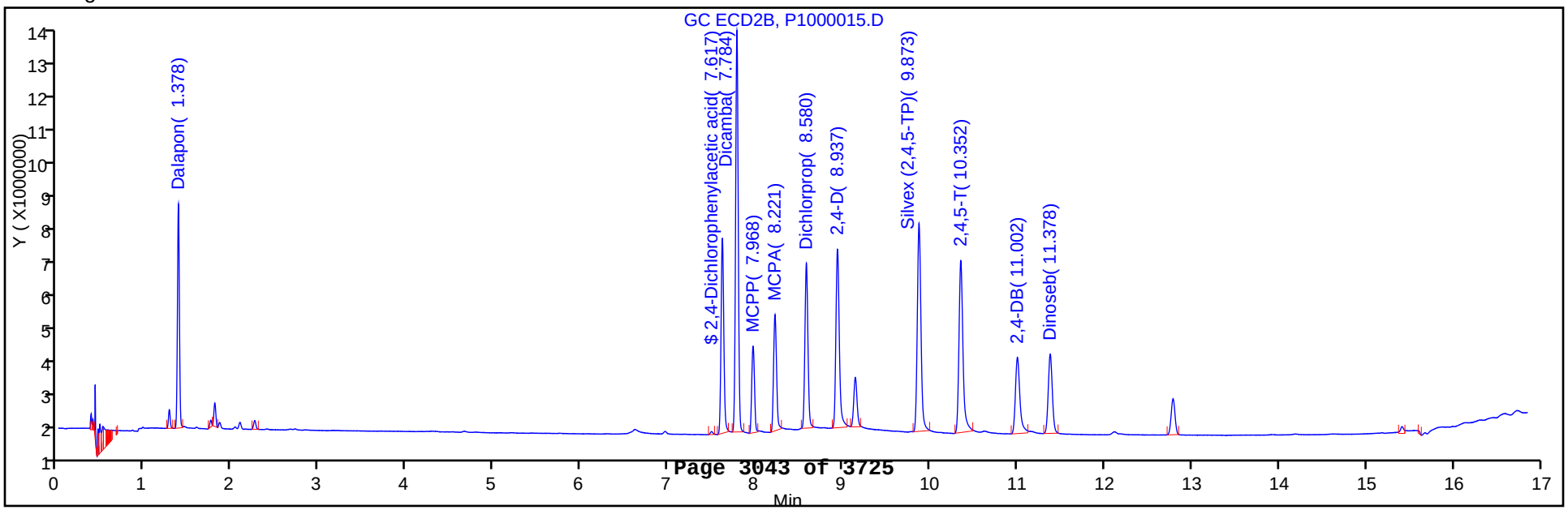
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000015.D

Injection Date:	22-Dec-2012 16:34:05	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	15
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/15 Calibration Date: 12/22/2012 16:34

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	155143125		0.0427	0.0400	6.8	20.0
Dicamba	Ave	255708069	277932575		0.0435	0.0400	8.7	20.0
MCPP	Qua		299929		8.88	8.00	11.0	20.0
MCPA	Lin1		402773		9.41	8.00	17.6	20.0
Dichlorprop	Ave	52718146	57101738		0.0867	0.0800	8.3	20.0
2,4-D	Ave	62005138	61776050		0.0797	0.0800	-0.4	20.0
Silvex (2,4,5-TP)	Ave	283903898	287995500		0.0203	0.0200	1.4	20.0
2,4,5-T	Ave	242611790	238075050		0.0196	0.0200	-1.9	20.0
2,4-DB	Ave	26562352	26425463		0.0796	0.0800	-0.5	20.0
Dinoseb	Ave	193371382	183028083		0.0114	0.0120	-5.3	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	67482913		0.0870	0.0800	8.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/15 Calibration Date: 12/22/2012 16:34

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.38	1.36	1.40
Dicamba	7.78	7.76	7.80
MCPP	7.97	7.95	7.99
MCPA	8.22	8.20	8.24
Dichlorprop	8.58	8.56	8.60
2,4-D	8.94	8.92	8.96
Silvex (2,4,5-TP)	9.87	9.85	9.89
2,4,5-T	10.35	10.33	10.37
2,4-DB	11.00	10.98	11.02
Dinoseb	11.38	11.35	11.41
2,4-Dichlorophenylacetic acid	7.62	7.60	7.64

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000015.D
Lims ID: CCV Client ID:
Inject. Date: 22-Dec-2012 16:34:05 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-015
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 69890 Lims Sample ID: 15
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:14 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.233	1.233	0.000	19294959	0.0422	
2	1.378	1.378	0.000	6205725	0.0427	
					RPD = 1.25	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.958	6.958	0.000	13122255	0.0880	
2	7.617	7.617	0.000	5398633	0.0870	
					RPD = 1.21	
6 Dicamba						
1	7.125	7.125	0.000	27063807	0.0438	
2	7.784	7.784	0.000	11117303	0.0435	
					RPD = 0.75	
10 MCPP						
1	7.410	7.410	0.000	6181828	9.60	
2	7.968	7.968	0.000	2399434	8.88	
					RPD = 7.83	
9 MCPA						
1	7.572	7.572	0.000	7954940	9.45	
2	8.221	8.221	0.000	3222182	9.41	
					RPD = 0.43	
7 Dichlorprop						
1	7.943	7.943	0.000	12042475	0.0870	
2	8.580	8.580	0.000	4568139	0.0867	
					RPD = 0.39	
2 2,4-D						
1	8.182	8.182	0.000	12528340	0.0832	
2	8.937	8.937	0.000	4942084	0.0797	
					RPD = 4.32	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.054	9.054	0.000	15587669	0.0204	
2	9.873	9.873	0.000	5759910	0.0203	
					RPD = 0.64	
1 2,4,5-T						
1	9.369	9.369	0.000	11721829	0.0191	
2	10.352	10.352	0.000	4761501	0.0196	
					RPD = 2.73	
3 2,4-DB						
1	9.998	9.998	0.000	5020206	0.0786	
2	11.002	11.002	0.000	2114037	0.0796	
					RPD = 1.21	
8 Dinoseb						
1	11.202	11.202	0.000	5758397	0.0114	
2	11.378	11.378	0.000	2196337	0.0114	
					RPD = 0.22	

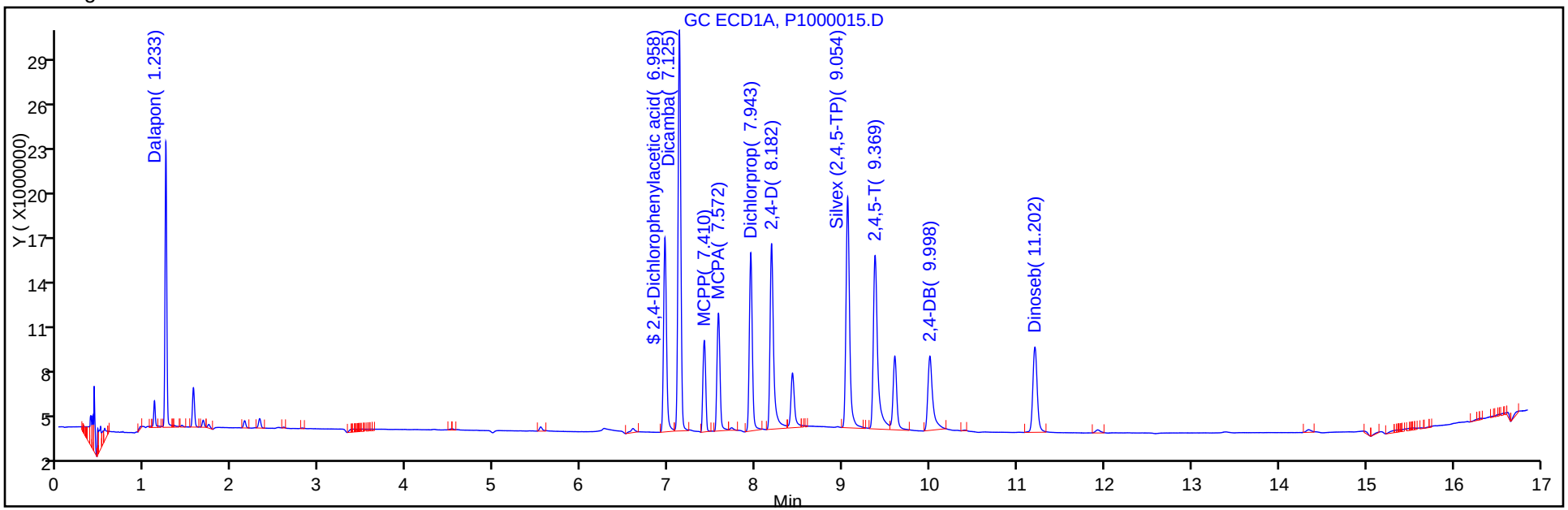
Report Date: 26-Dec-2012 15:31:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

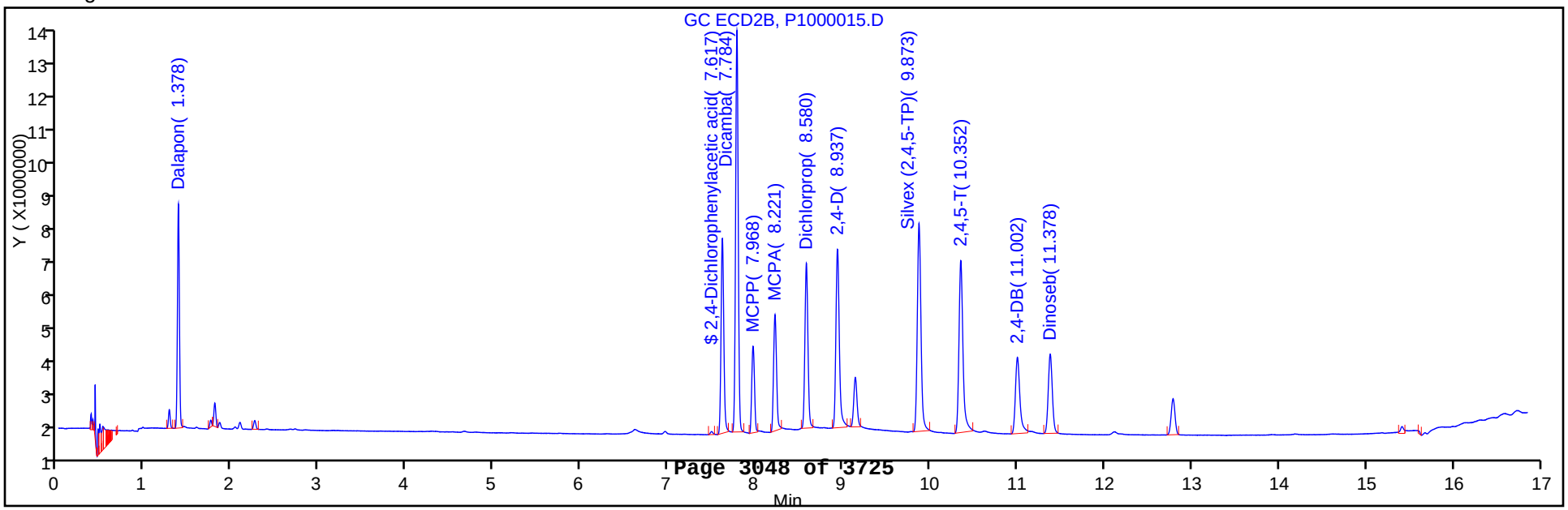
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000015.D

Injection Date:	22-Dec-2012 16:34:05	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	15
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/16 Calibration Date: 12/22/2012 16:57

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2018550300		0.0110	0.0100	10.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/16 Calibration Date: 12/22/2012 16:57

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.27	8.25	8.29

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000016.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	22-Dec-2012 16:57:40	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016119-016		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	69890	Lims Sample ID:	16
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.269	8.269	0.000	20185503	0.0110	
2	9.231	9.231	0.000	7860541	0.0102	
					RPD = 7.76	

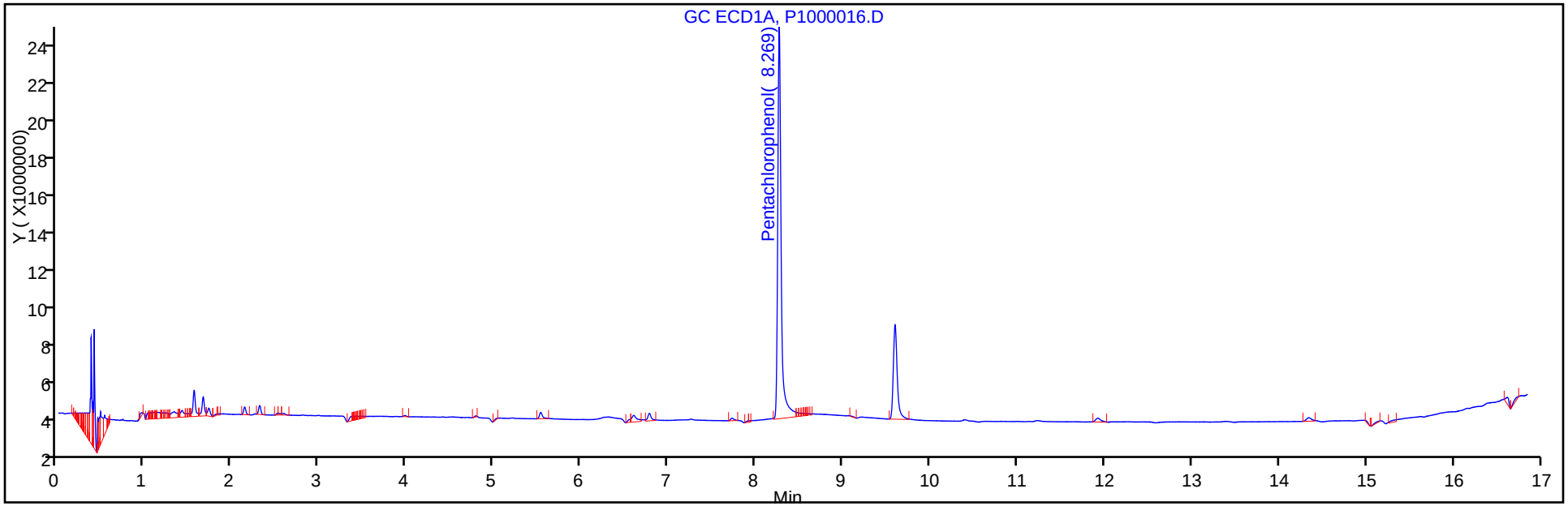
Report Date: 26-Dec-2012 15:31:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

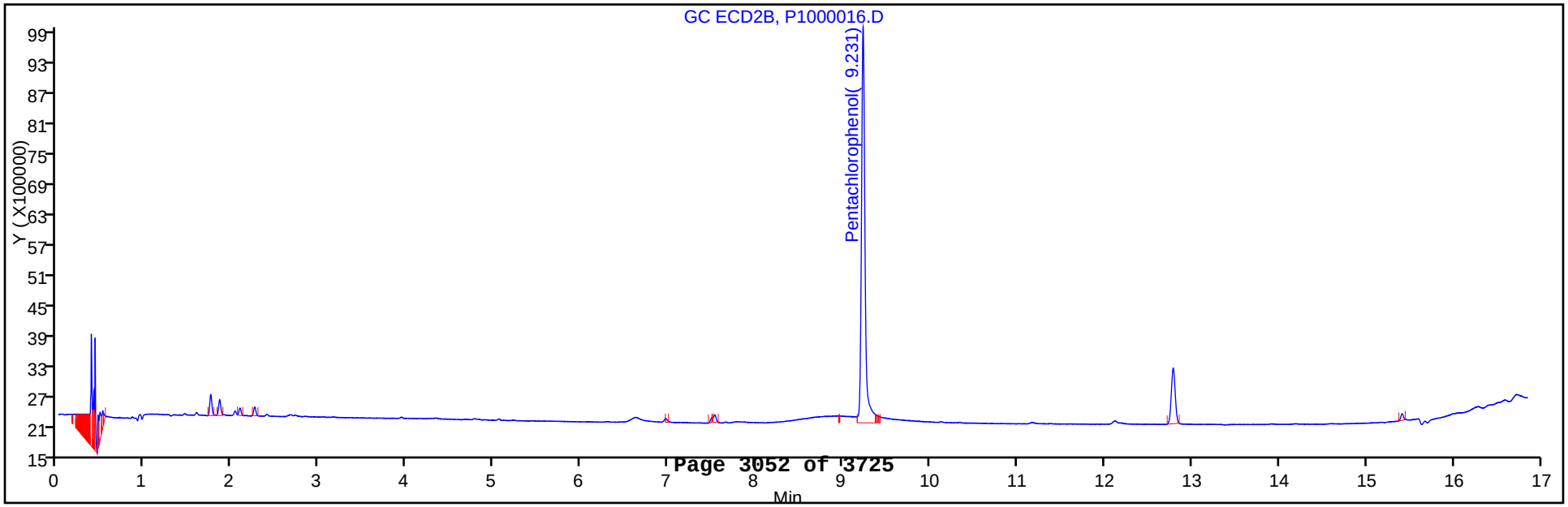
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000016.D

Injection Date:	22-Dec-2012 16:57:40	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	16
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/16 Calibration Date: 12/22/2012 16:57

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		786054100		0.0102	0.0100	2.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/16 Calibration Date: 12/22/2012 16:57

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.23	9.21	9.25

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000016.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	22-Dec-2012 16:57:40	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016119-016		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	69890	Lims Sample ID:	16
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.269	8.269	0.000	20185503	0.0110	
2	9.231	9.231	0.000	7860541	0.0102	
					RPD = 7.76	

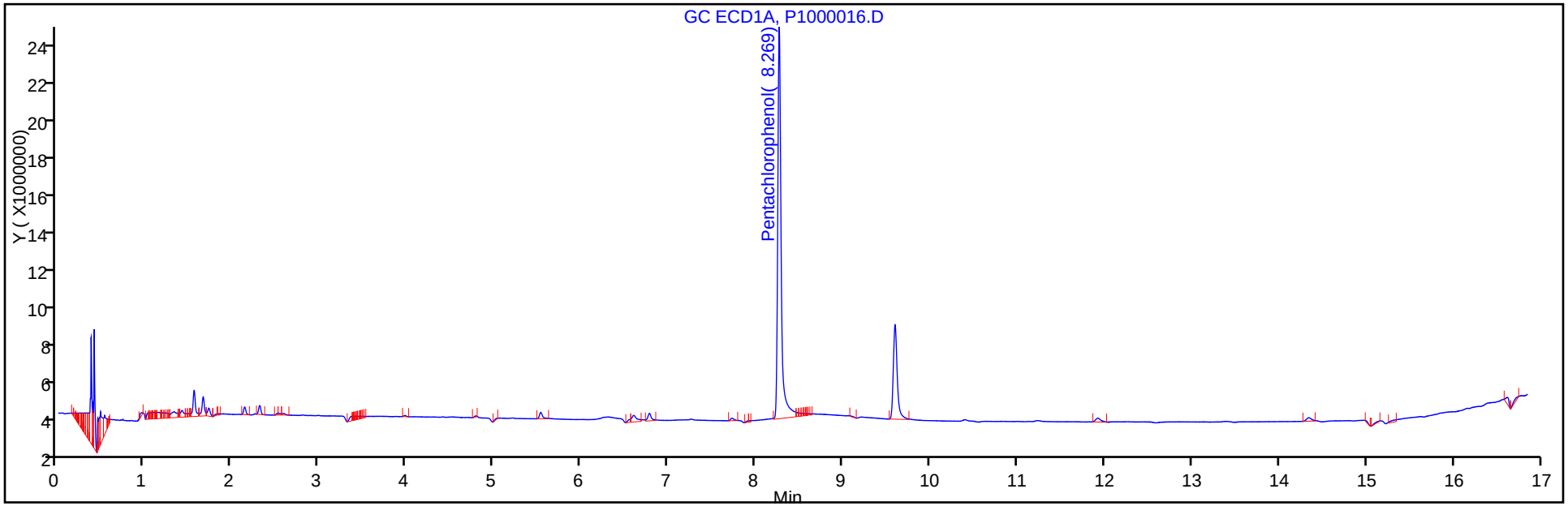
Report Date: 26-Dec-2012 15:31:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

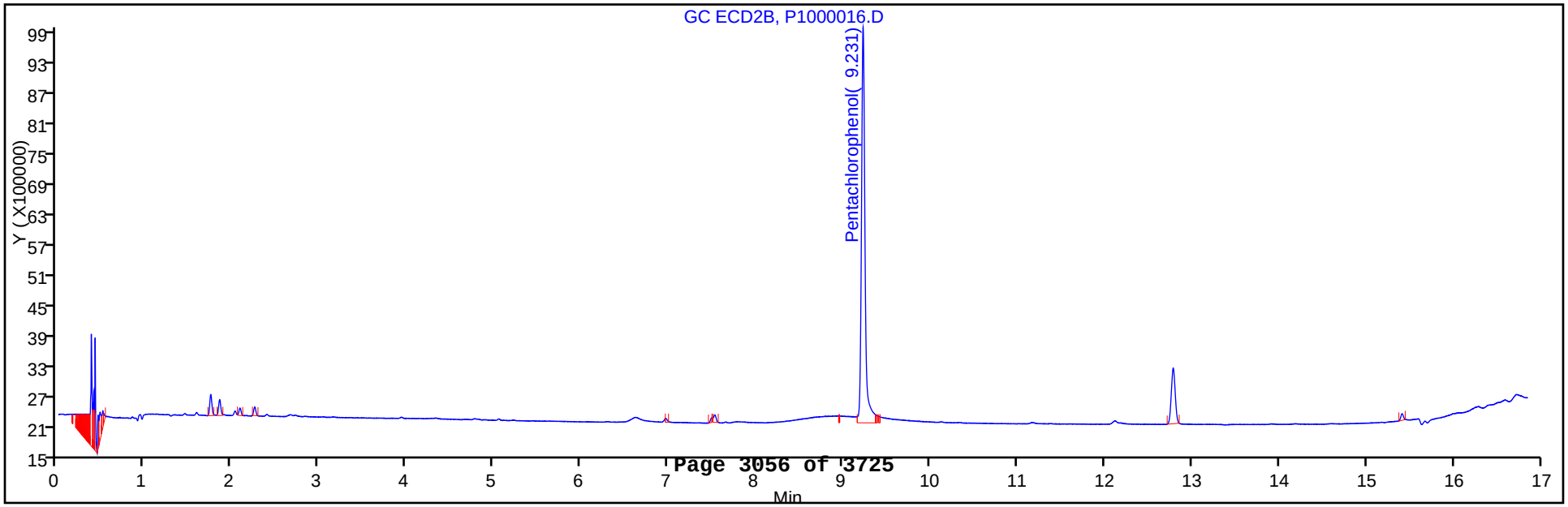
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000016.D

Injection Date:	22-Dec-2012 16:57:40	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	16
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/28 Calibration Date: 12/22/2012 21:40

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	448469725		0.0392	0.0400	-2.0	20.0
Dicamba	Ave	617859973	694471600		0.0450	0.0400	12.4	20.0
MCPP	Qua		791702		9.91	8.00	23.8*	20.0
MCPA	Qua		1018493		9.76	8.00	22.0*	20.0
Dichlorprop	Ave	138436820	155388400		0.0898	0.0800	12.2	20.0
2,4-D	Ave	150538188	167936400		0.0892	0.0800	11.6	20.0
Silvex (2,4,5-TP)	Ave	763444311	823449950		0.0216	0.0200	7.9	20.0
2,4,5-T	Ave	613790425	656135200		0.0214	0.0200	6.9	20.0
2,4-DB	Ave	63842790	70757563		0.0887	0.0800	10.8	20.0
Dinoseb	Ave	505863757	540379000		0.0128	0.0120	6.8	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	167683188		0.0900	0.0800	12.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/28 Calibration Date: 12/22/2012 21:40

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000028.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.24	1.22	1.26
Dicamba	7.13	7.11	7.15
MCPP	7.41	7.39	7.43
MCPA	7.57	7.55	7.59
Dichlorprop	7.94	7.92	7.96
2,4-D	8.18	8.16	8.20
Silvex (2,4,5-TP)	9.06	9.04	9.08
2,4,5-T	9.37	9.35	9.39
2,4-DB	10.00	9.98	10.02
Dinoseb	11.20	11.17	11.23
2,4-Dichlorophenylacetic acid	6.96	6.94	6.98

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000028.D
Lims ID: CCV Client ID:
Inject. Date: 22-Dec-2012 21:40:17 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-028
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 28
Lims Batch ID: 69890 Lims Sample ID: 28
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:28 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.235	1.235	0.000	17938789	0.0392	
2	1.383	1.383	0.000	5705588	0.0393	
					RPD = 0.14	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.959	6.959	0.000	13414655	0.0900	
2	7.624	7.624	0.000	5448943	0.0878	
					RPD = 2.49	
6 Dicamba						
1	7.125	7.125	0.000	27778864	0.0450	
2	7.791	7.791	0.000	11145411	0.0436	
					RPD = 3.10	
10 MCPP						
1	7.410	7.410	0.000	6333613	9.91	
2	7.977	7.977	0.000	2435188	9.04	
					RPD = 9.09	
9 MCPA						
1	7.574	7.574	0.000	8147947	9.76	
2	8.229	8.229	0.000	3265549	9.57	
					RPD = 1.97	
7 Dichlorprop						
1	7.943	7.943	0.000	12431072	0.0898	
2	8.588	8.588	0.000	4694163	0.0890	
					RPD = 0.84	
2 2,4-D						
1	8.181	8.181	0.000	13434912	0.0892	
2	8.945	8.945	0.000	5274751	0.0851	
					RPD = 4.79	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.055	9.055	0.000	16468999	0.0216	
2	9.883	9.883	0.000	6048601	0.0213	
					RPD = 1.24	
1 2,4,5-T						
1	9.369	9.369	0.000	13122704	0.0214	
2	10.362	10.362	0.000	5175616	0.0213	
					RPD = 0.22	
3 2,4-DB						
1	9.997	9.997	0.000	5660605	0.0887	
2	11.014	11.014	0.000	2260374	0.0851	
					RPD = 4.11	
8 Dinoseb						
1	11.204	11.204	0.000	6484548	0.0128	
2	11.389	11.389	0.000	2417781	0.0125	
					RPD = 2.49	

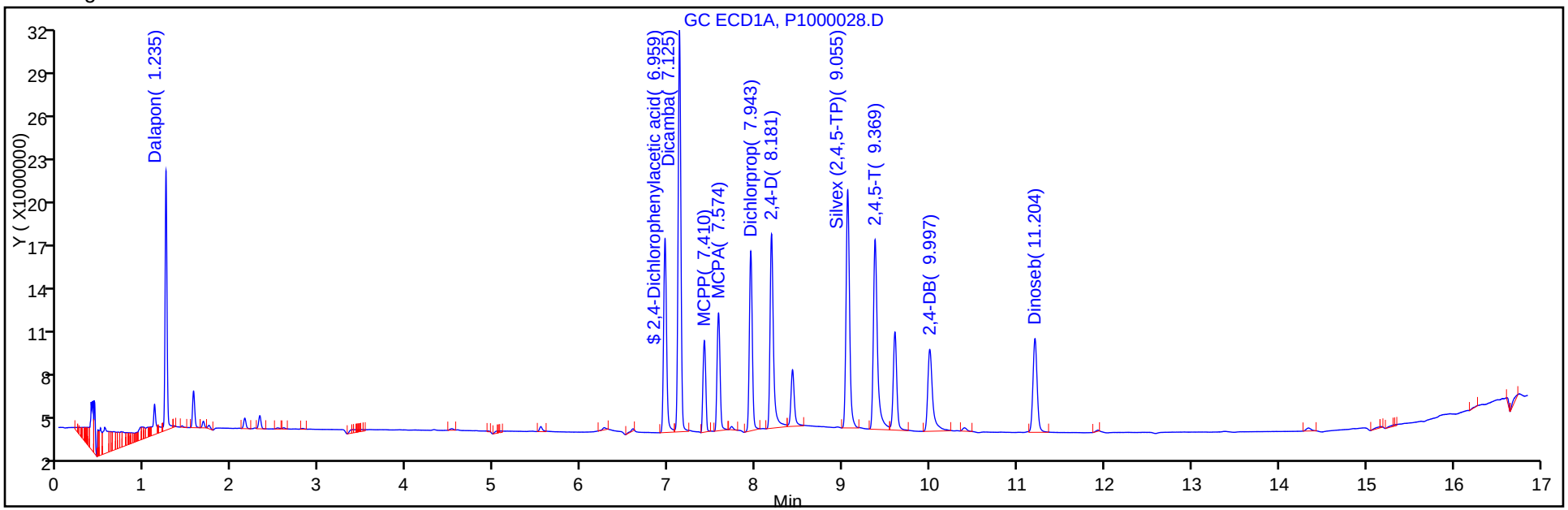
Report Date: 26-Dec-2012 15:31:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

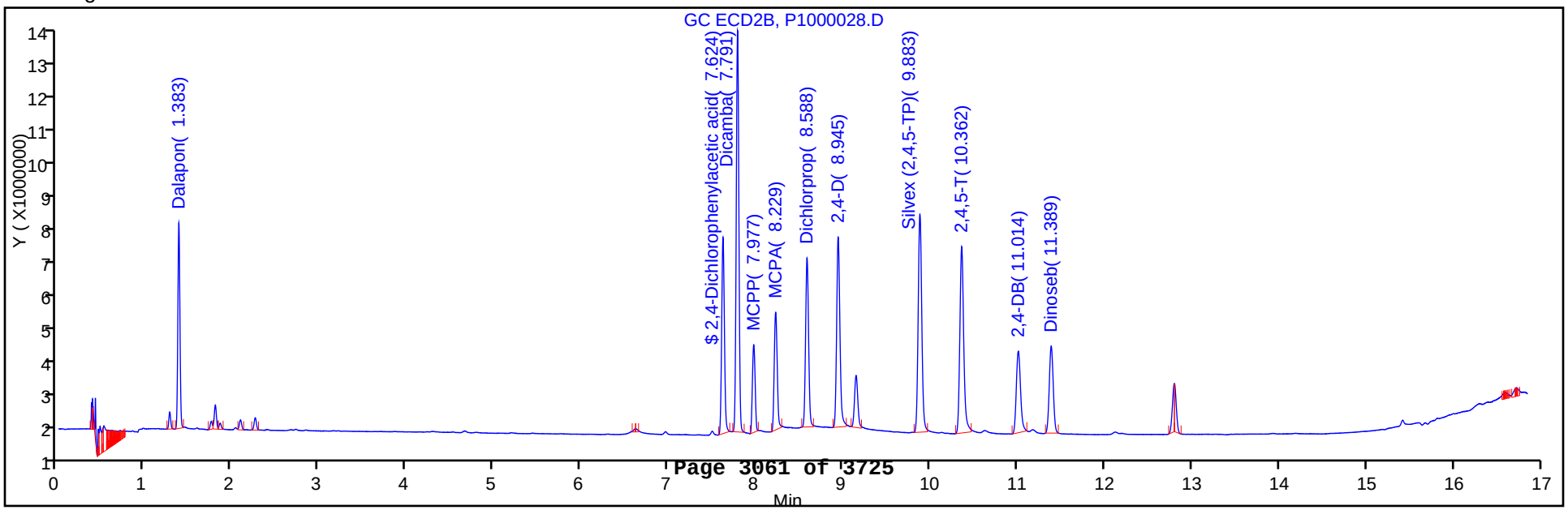
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000028.D

Injection Date:	22-Dec-2012 21:40:17	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	28
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/28 Calibration Date: 12/22/2012 21:40

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	142639700		0.0393	0.0400	-1.8	20.0
Dicamba	Ave	255708069	278635275		0.0436	0.0400	9.0	20.0
MCPP	Qua		304399		9.04	8.00	13.1	20.0
MCPA	Lin1		408194		9.57	8.00	19.7	20.0
Dichlorprop	Ave	52718146	58677038		0.0890	0.0800	11.3	20.0
2,4-D	Ave	62005138	65934388		0.0851	0.0800	6.3	20.0
Silvex (2,4,5-TP)	Ave	283903898	302430050		0.0213	0.0200	6.5	20.0
2,4,5-T	Ave	242611790	258780800		0.0213	0.0200	6.7	20.0
2,4-DB	Ave	26562352	28254675		0.0851	0.0800	6.4	20.0
Dinoseb	Ave	193371382	201481750		0.0125	0.0120	4.2	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	68111788		0.0878	0.0800	9.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/28 Calibration Date: 12/22/2012 21:40

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000028.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.38	1.36	1.40
Dicamba	7.79	7.77	7.81
MCPP	7.98	7.96	8.00
MCPA	8.23	8.21	8.25
Dichlorprop	8.59	8.57	8.61
2,4-D	8.95	8.93	8.97
Silvex (2,4,5-TP)	9.88	9.86	9.90
2,4,5-T	10.36	10.34	10.38
2,4-DB	11.01	10.99	11.03
Dinoseb	11.39	11.36	11.42
2,4-Dichlorophenylacetic acid	7.62	7.60	7.64

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000028.D
Lims ID: CCV Client ID:
Inject. Date: 22-Dec-2012 21:40:17 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-028
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 28
Lims Batch ID: 69890 Lims Sample ID: 28
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:28 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.235	1.235	0.000	17938789	0.0392	
2	1.383	1.383	0.000	5705588	0.0393	
					RPD = 0.14	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.959	6.959	0.000	13414655	0.0900	
2	7.624	7.624	0.000	5448943	0.0878	
					RPD = 2.49	
6 Dicamba						
1	7.125	7.125	0.000	27778864	0.0450	
2	7.791	7.791	0.000	11145411	0.0436	
					RPD = 3.10	
10 MCPP						
1	7.410	7.410	0.000	6333613	9.91	
2	7.977	7.977	0.000	2435188	9.04	
					RPD = 9.09	
9 MCPA						
1	7.574	7.574	0.000	8147947	9.76	
2	8.229	8.229	0.000	3265549	9.57	
					RPD = 1.97	
7 Dichlorprop						
1	7.943	7.943	0.000	12431072	0.0898	
2	8.588	8.588	0.000	4694163	0.0890	
					RPD = 0.84	
2 2,4-D						
1	8.181	8.181	0.000	13434912	0.0892	
2	8.945	8.945	0.000	5274751	0.0851	
					RPD = 4.79	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.055	9.055	0.000	16468999	0.0216	
2	9.883	9.883	0.000	6048601	0.0213	
					RPD = 1.24	
1 2,4,5-T						
1	9.369	9.369	0.000	13122704	0.0214	
2	10.362	10.362	0.000	5175616	0.0213	
					RPD = 0.22	
3 2,4-DB						
1	9.997	9.997	0.000	5660605	0.0887	
2	11.014	11.014	0.000	2260374	0.0851	
					RPD = 4.11	
8 Dinoseb						
1	11.204	11.204	0.000	6484548	0.0128	
2	11.389	11.389	0.000	2417781	0.0125	
					RPD = 2.49	

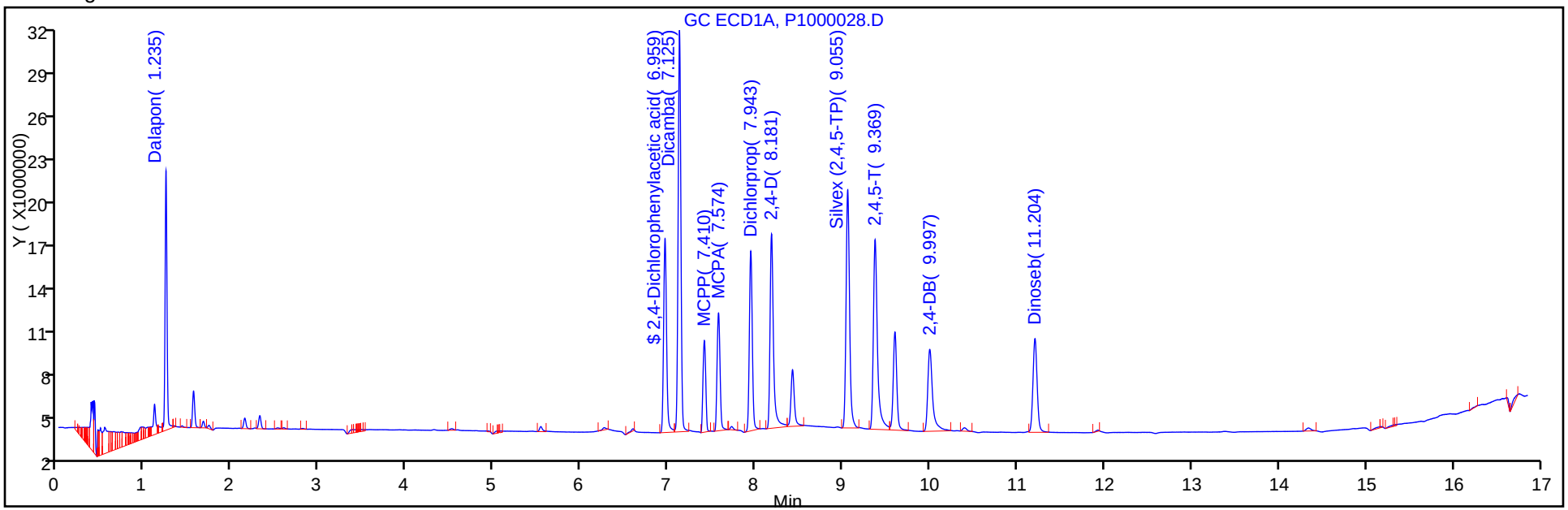
Report Date: 26-Dec-2012 15:31:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

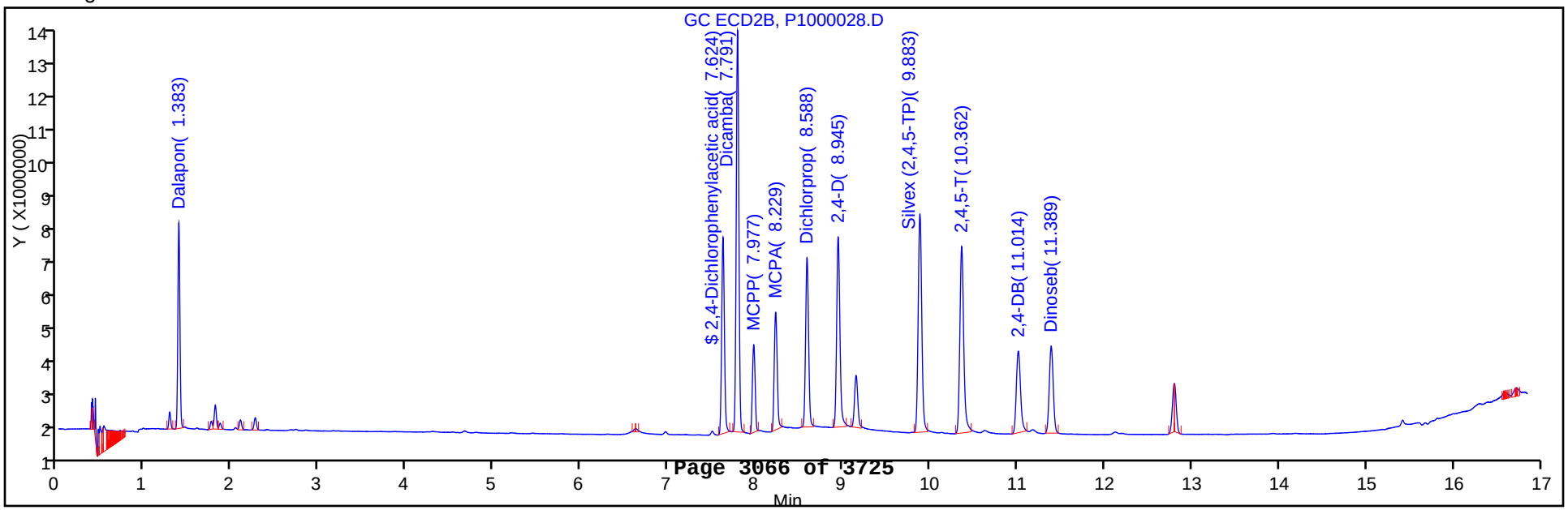
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000028.D

Injection Date:	22-Dec-2012 21:40:17	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	28
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/29 Calibration Date: 12/22/2012 22:03

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000029.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2110943600		0.0116	0.0100	16.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/29 Calibration Date: 12/22/2012 22:03

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000029.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.27	8.25	8.29

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000029.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	22-Dec-2012 22:03:43	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016119-029		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	69890	Lims Sample ID:	29
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:30	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.269	8.269	0.000	21109436	0.0116	
2	9.240	9.240	0.000	7912042	0.0103	
					RPD = 12.05	

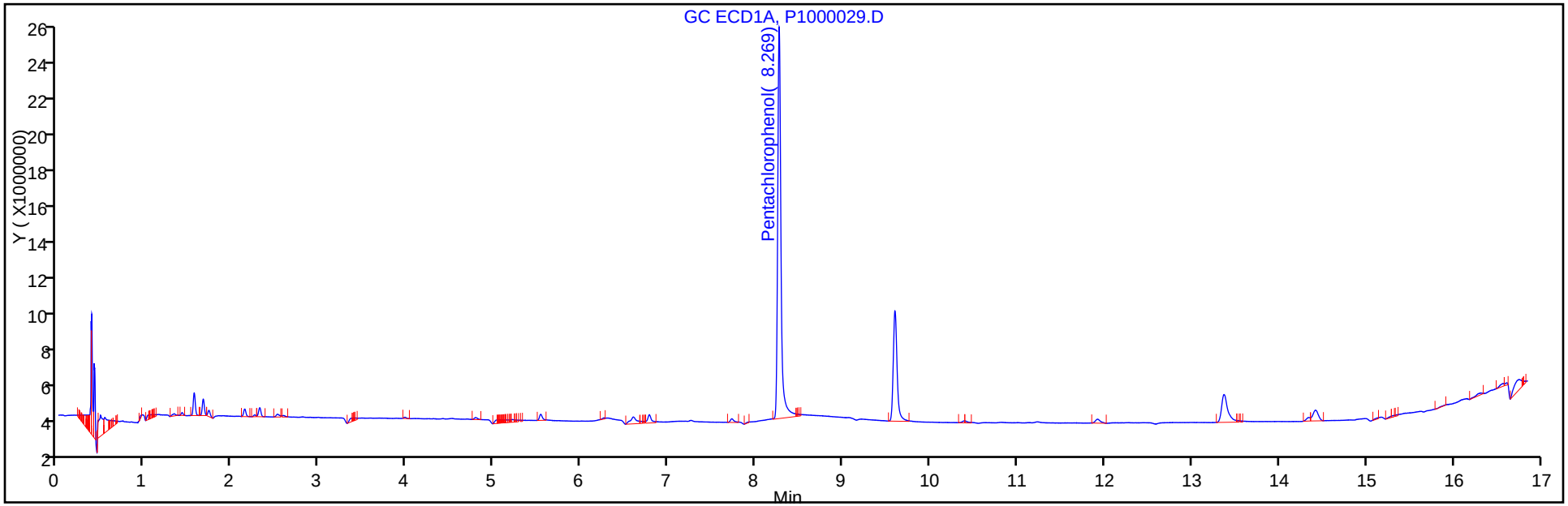
Report Date: 26-Dec-2012 15:31:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

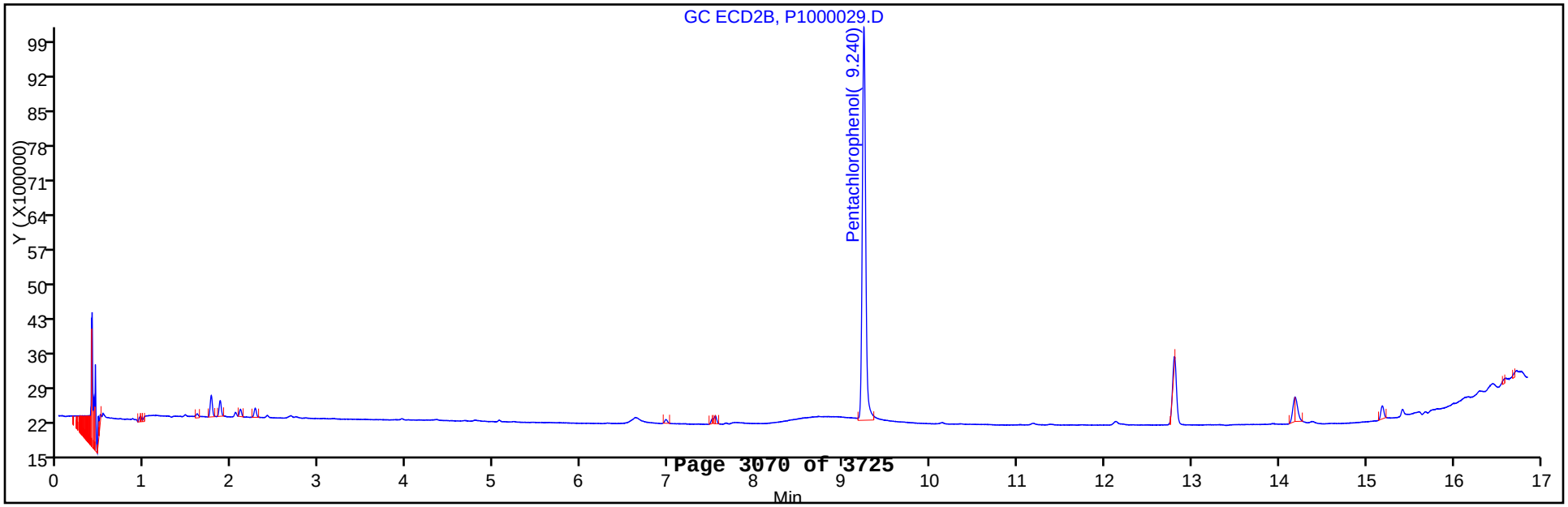
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000029.D

Injection Date:	22-Dec-2012 22:03:43	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	29
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/29 Calibration Date: 12/22/2012 22:03

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000029.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		791204200		0.0103	0.0100	2.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/29 Calibration Date: 12/22/2012 22:03

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000029.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.24	9.22	9.26

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000029.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	22-Dec-2012 22:03:43	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016119-029		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	69890	Lims Sample ID:	29
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:30	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.269	8.269	0.000	21109436	0.0116	
2	9.240	9.240	0.000	7912042	0.0103	
					RPD = 12.05	

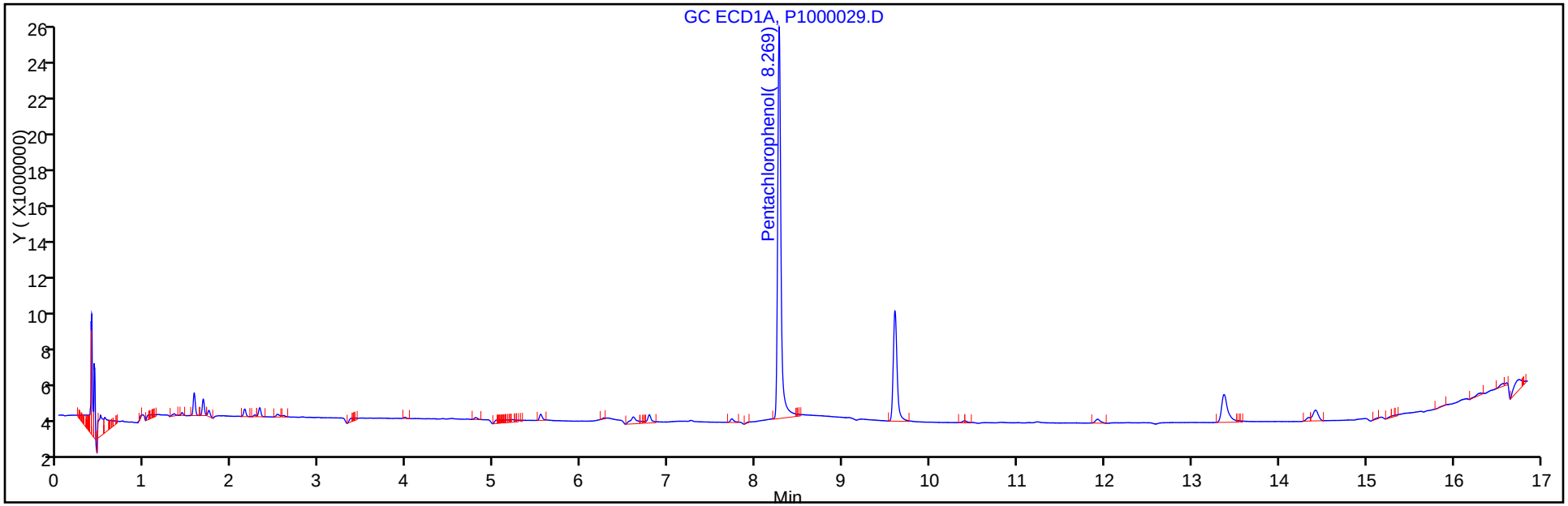
Report Date: 26-Dec-2012 15:31:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

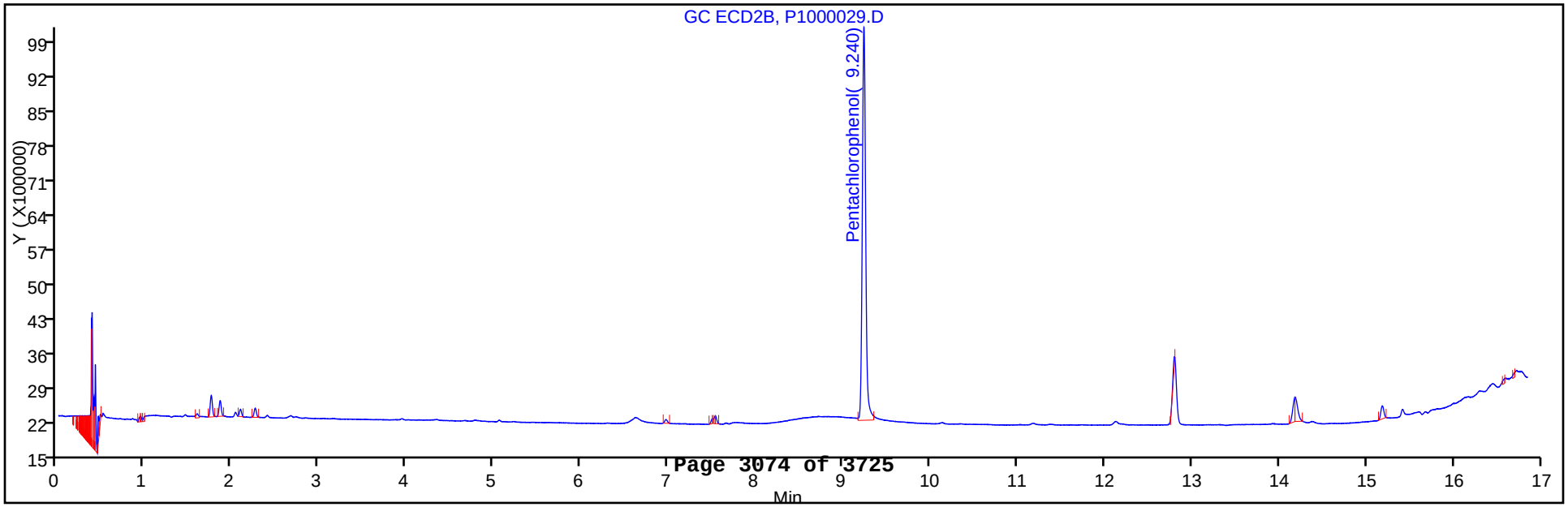
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000029.D

Injection Date:	22-Dec-2012 22:03:43	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	29
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/39 Calibration Date: 12/23/2012 01:59

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	450514700		0.0394	0.0400	-1.5	20.0
Dicamba	Ave	617859973	690692000		0.0447	0.0400	11.8	20.0
MCPP	Qua		792163		9.91	8.00	23.9*	20.0
MCPA	Qua		1020578		9.79	8.00	22.4*	20.0
Dichlorprop	Ave	138436820	156091100		0.0902	0.0800	12.8	20.0
2,4-D	Ave	150538188	168621925		0.0896	0.0800	12.0	20.0
Silvex (2,4,5-TP)	Ave	763444311	826113100		0.0216	0.0200	8.2	20.0
2,4,5-T	Ave	613790425	644560150		0.0210	0.0200	5.0	20.0
2,4-DB	Ave	63842790	69781300		0.0874	0.0800	9.3	20.0
Dinoseb	Ave	505863757	530726667		0.0126	0.0120	4.9	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	169720400		0.0911	0.0800	13.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/39 Calibration Date: 12/23/2012 01:59

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000039.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.24	1.22	1.26
Dicamba	7.13	7.11	7.15
MCPP	7.41	7.39	7.43
MCPA	7.58	7.56	7.60
Dichlorprop	7.95	7.93	7.97
2,4-D	8.18	8.16	8.20
Silvex (2,4,5-TP)	9.06	9.04	9.08
2,4,5-T	9.37	9.35	9.39
2,4-DB	10.00	9.98	10.02
Dinoseb	11.21	11.18	11.24
2,4-Dichlorophenylacetic acid	6.96	6.94	6.98

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D
Lims ID: CCV Client ID:
Inject. Date: 23-Dec-2012 01:59:03 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-039
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 39
Lims Batch ID: 69890 Lims Sample ID: 39
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:39 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind Date: 24-Dec-2012 10:11:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.236	1.236	0.000	18020588	0.0394	
2	1.371	1.371	0.000	6046673	0.0416	
					RPD = 5.49	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.963	6.963	0.000	13577632	0.0911	
2	7.606	7.606	0.000	5689806	0.0917	
					RPD = 0.63	
6 Dicamba						
1	7.129	7.129	0.000	27627680	0.0447	
2	7.773	7.773	0.000	11416370	0.0446	
					RPD = 0.15	
10 MCPP						
1	7.413	7.413	0.000	6337300	9.91	
2	7.960	7.960	0.000	2452907	9.13	
					RPD = 8.26	
9 MCPA						
1	7.576	7.576	0.000	8164622	9.79	
2	8.210	8.210	0.000	3326968	9.81	
					RPD = 0.19	
7 Dichlorprop						
1	7.946	7.946	0.000	12487288	0.0902	
2	8.569	8.569	0.000	4756314	0.0902	
					RPD = 0.02	
2 2,4-D						
1	8.184	8.184	0.000	13489754	0.0896	
2	8.924	8.924	0.000	5477279	0.0883	
					RPD = 1.43	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.058	9.058	0.000	16522262	0.0216	
2	9.859	9.859	0.000	6229371	0.0219	
					RPD = 1.38	
1 2,4,5-T						
1	9.373	9.373	0.000	12891203	0.0210	
2	10.336	10.336	0.000	5216907	0.0215	
					RPD = 2.35	
3 2,4-DB						M
1	10.001	10.001	0.000	5582504	0.0874	
2	10.987	10.987	0.000	2298025	0.0865	M
					RPD = 1.07	
8 Dinoseb						M
1	11.207	11.207	0.000	6368720	0.0126	
2	11.361	11.361	0.000	2446604	0.0127	M
					RPD = 0.50	

QC Flag Legend

Review Flags
M - Manually Integrated

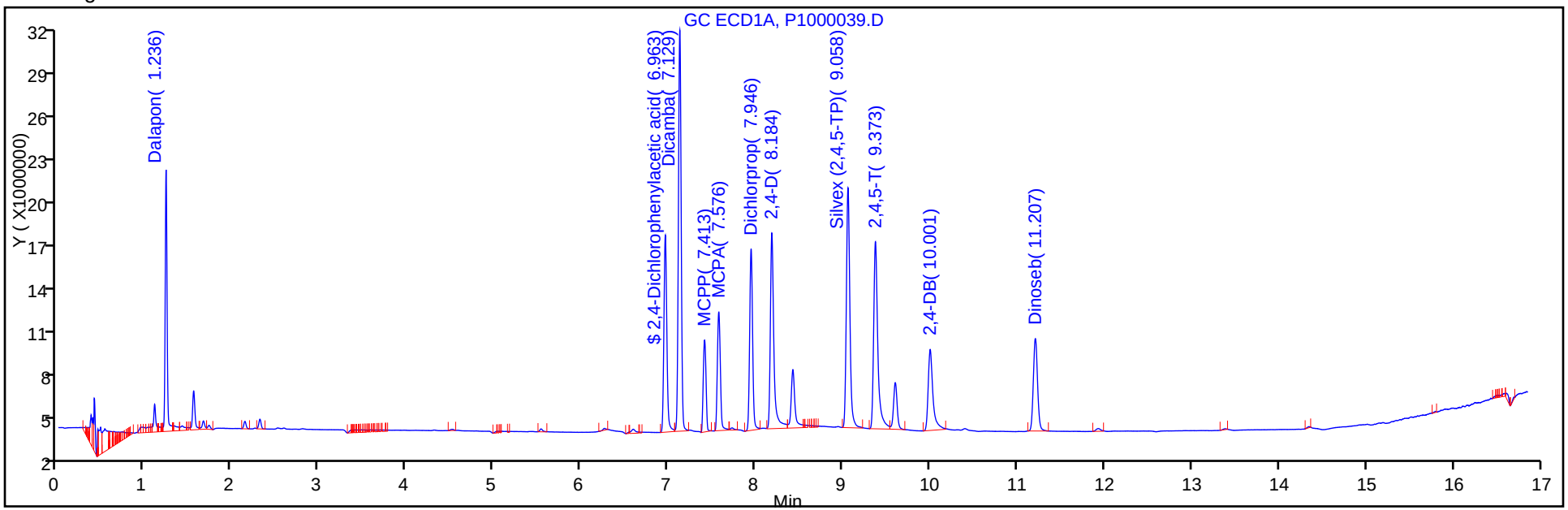
Report Date: 26-Dec-2012 15:31:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

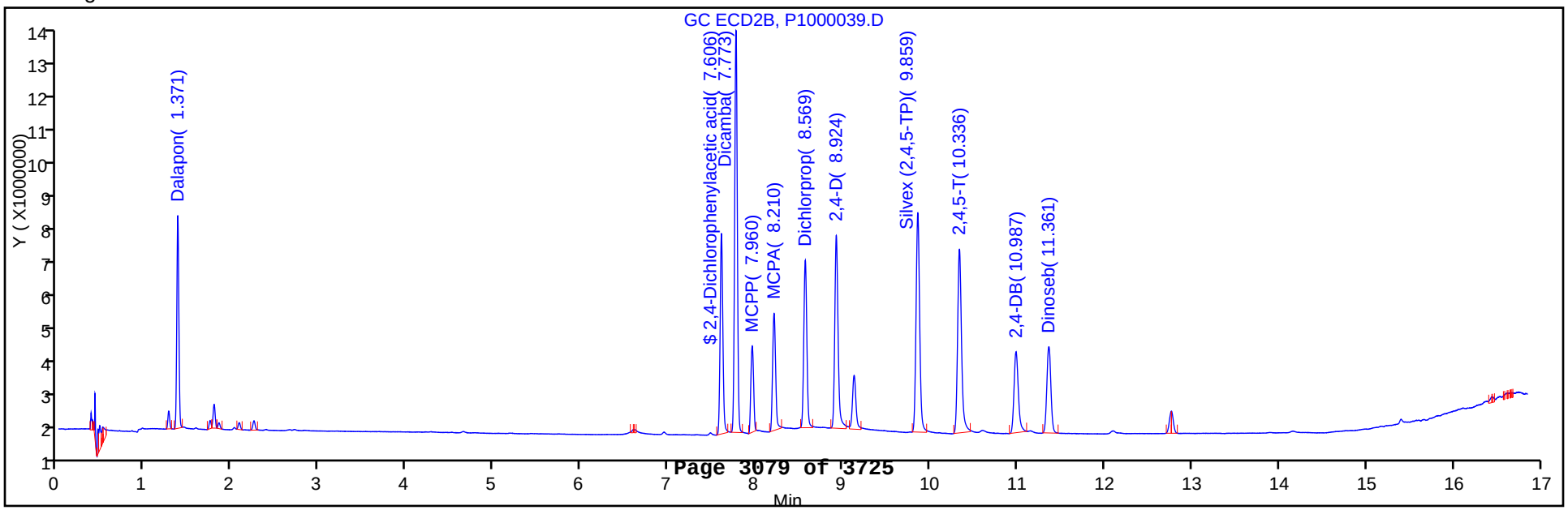
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D

Injection Date:	23-Dec-2012 01:59:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	39
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

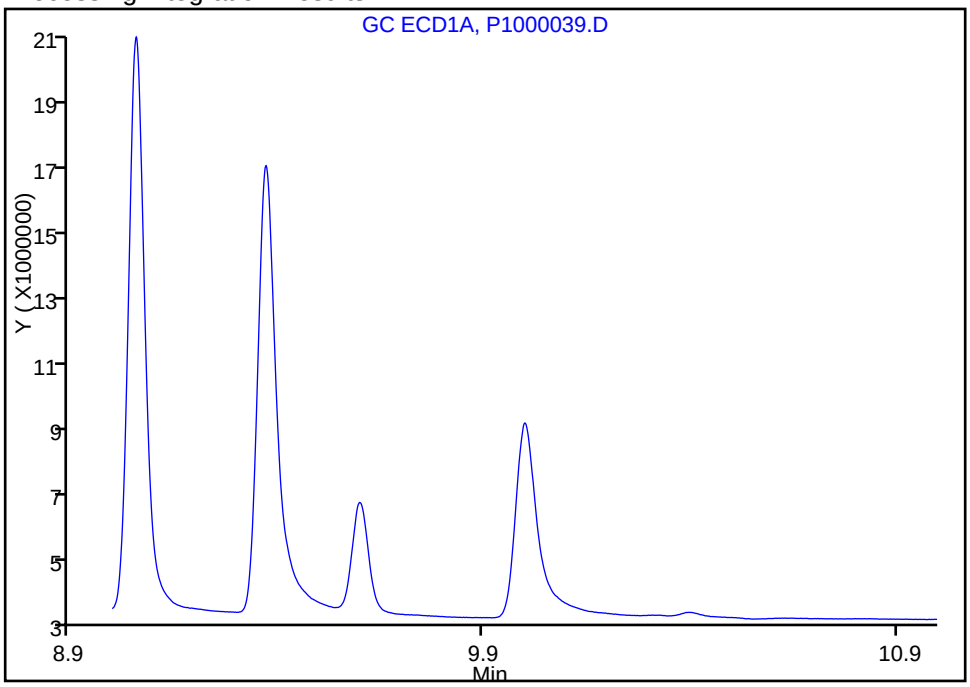
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D		
Injection Date:	23-Dec-2012 01:59:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	39
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 2,4-DB, Signal: 1, Type: quant, RT: 10.00, Det: GC ECD1A

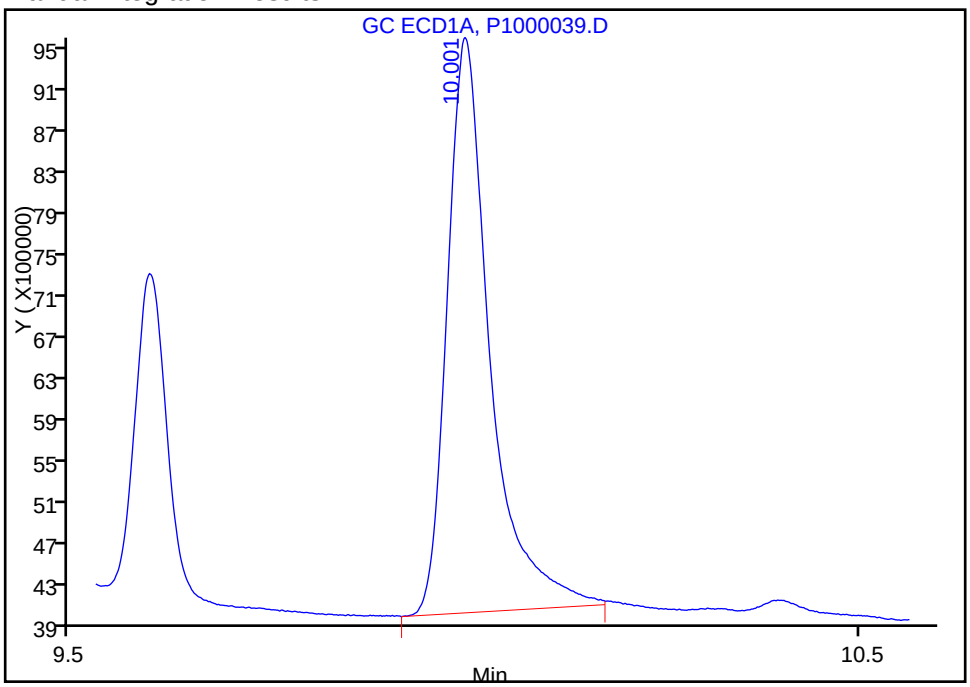
Not Detected
Expected RT: 10.00

Processing Integration Results



Manual Integration Results

RT: 10.00
Response: 5582504
Amount: 0.087441



Reviewer: bolgrind, 24-Dec-2012 10:11:11
Audit Action: Assigned Compound ID
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/39 Calibration Date: 12/23/2012 01:59

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	151166825		0.0416	0.0400	4.0	20.0
Dicamba	Ave	255708069	285409250		0.0446	0.0400	11.6	20.0
MCPP	Qua		306613		9.13	8.00	14.1	20.0
MCPA	Lin1		415871		9.81	8.00	22.6*	20.0
Dichlorprop	Ave	52718146	59453925		0.0902	0.0800	12.8	20.0
2,4-D	Ave	62005138	68465988		0.0883	0.0800	10.4	20.0
Silvex (2,4,5-TP)	Ave	283903898	311468550		0.0219	0.0200	9.7	20.0
2,4,5-T	Ave	242611790	260845350		0.0215	0.0200	7.5	20.0
2,4-DB	Ave	26562352	28725313		0.0865	0.0800	8.1	20.0
Dinoseb	Ave	193371382	203883667		0.0127	0.0120	5.4	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	71122575		0.0917	0.0800	14.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/39 Calibration Date: 12/23/2012 01:59

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000039.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.37	1.35	1.39
Dicamba	7.77	7.75	7.79
MCPP	7.96	7.94	7.98
MCPA	8.21	8.19	8.23
Dichlorprop	8.57	8.55	8.59
2,4-D	8.92	8.90	8.94
Silvex (2,4,5-TP)	9.86	9.84	9.88
2,4,5-T	10.34	10.32	10.36
2,4-DB	10.99	10.97	11.01
Dinoseb	11.36	11.33	11.39
2,4-Dichlorophenylacetic acid	7.61	7.59	7.63

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D
Lims ID: CCV Client ID:
Inject. Date: 23-Dec-2012 01:59:03 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-039
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 39
Lims Batch ID: 69890 Lims Sample ID: 39
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:39 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind Date: 24-Dec-2012 10:11:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.236	1.236	0.000	18020588	0.0394	
2	1.371	1.371	0.000	6046673	0.0416	
					RPD = 5.49	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.963	6.963	0.000	13577632	0.0911	
2	7.606	7.606	0.000	5689806	0.0917	
					RPD = 0.63	
6 Dicamba						
1	7.129	7.129	0.000	27627680	0.0447	
2	7.773	7.773	0.000	11416370	0.0446	
					RPD = 0.15	
10 MCPP						
1	7.413	7.413	0.000	6337300	9.91	
2	7.960	7.960	0.000	2452907	9.13	
					RPD = 8.26	
9 MCPA						
1	7.576	7.576	0.000	8164622	9.79	
2	8.210	8.210	0.000	3326968	9.81	
					RPD = 0.19	
7 Dichlorprop						
1	7.946	7.946	0.000	12487288	0.0902	
2	8.569	8.569	0.000	4756314	0.0902	
					RPD = 0.02	
2 2,4-D						
1	8.184	8.184	0.000	13489754	0.0896	
2	8.924	8.924	0.000	5477279	0.0883	
					RPD = 1.43	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.058	9.058	0.000	16522262	0.0216	
2	9.859	9.859	0.000	6229371	0.0219	
					RPD = 1.38	
1 2,4,5-T						
1	9.373	9.373	0.000	12891203	0.0210	
2	10.336	10.336	0.000	5216907	0.0215	
					RPD = 2.35	
3 2,4-DB						M
1	10.001	10.001	0.000	5582504	0.0874	
2	10.987	10.987	0.000	2298025	0.0865	M
					RPD = 1.07	
8 Dinoseb						M
1	11.207	11.207	0.000	6368720	0.0126	
2	11.361	11.361	0.000	2446604	0.0127	M
					RPD = 0.50	

QC Flag Legend

Review Flags
M - Manually Integrated

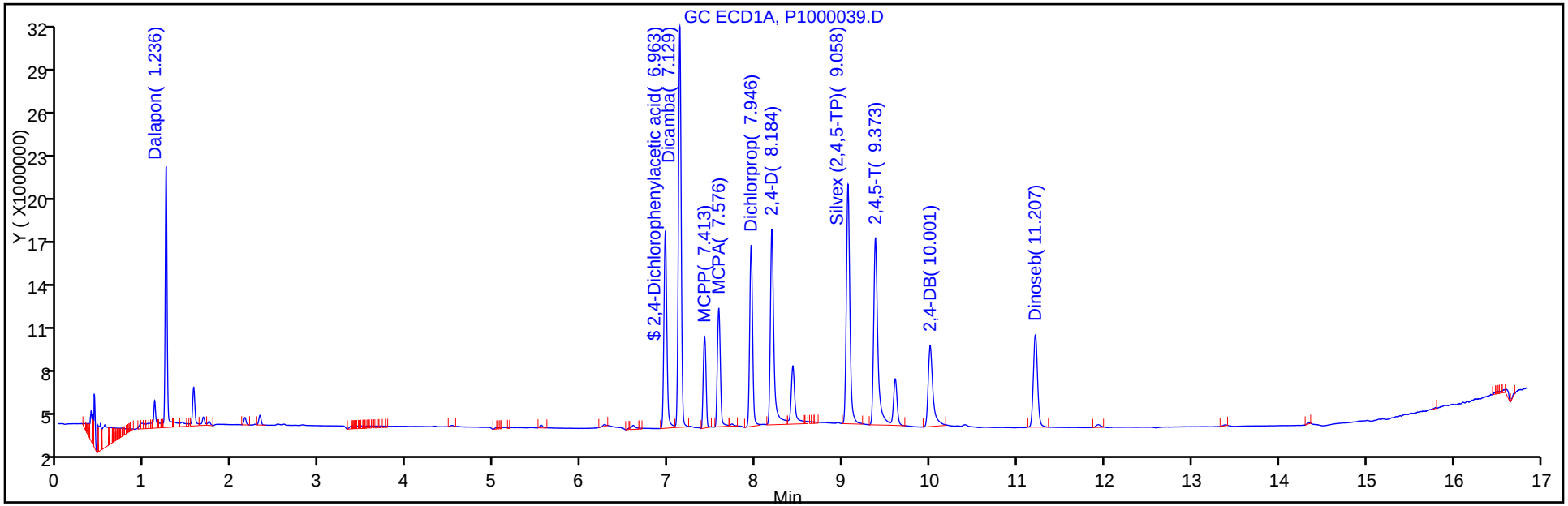
Report Date: 26-Dec-2012 15:31:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

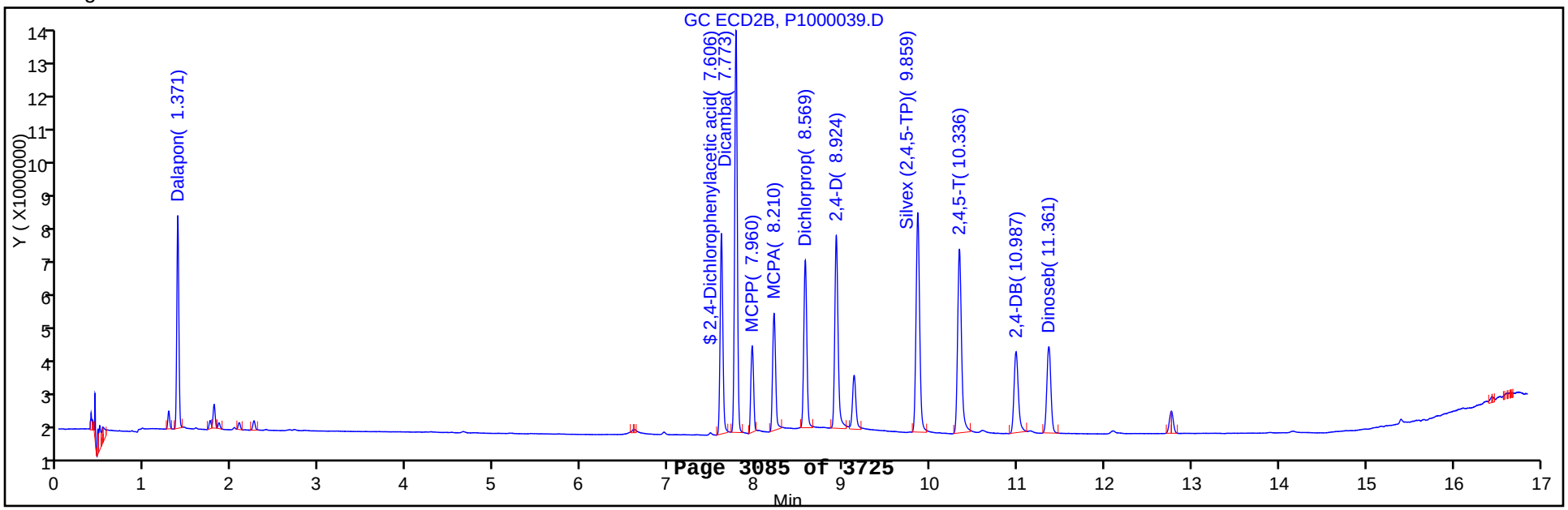
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D

Injection Date:	23-Dec-2012 01:59:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	39
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

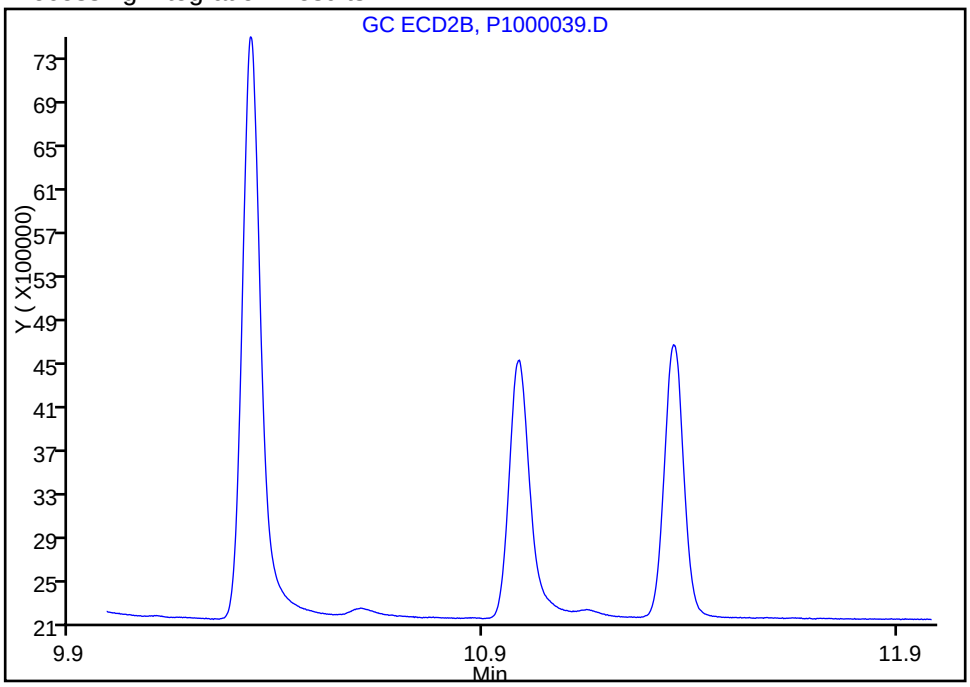
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D		
Injection Date:	23-Dec-2012 01:59:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	39
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 2,4-DB, Signal: 2, Type: quant, RT: 10.99, Det: GC ecd2b

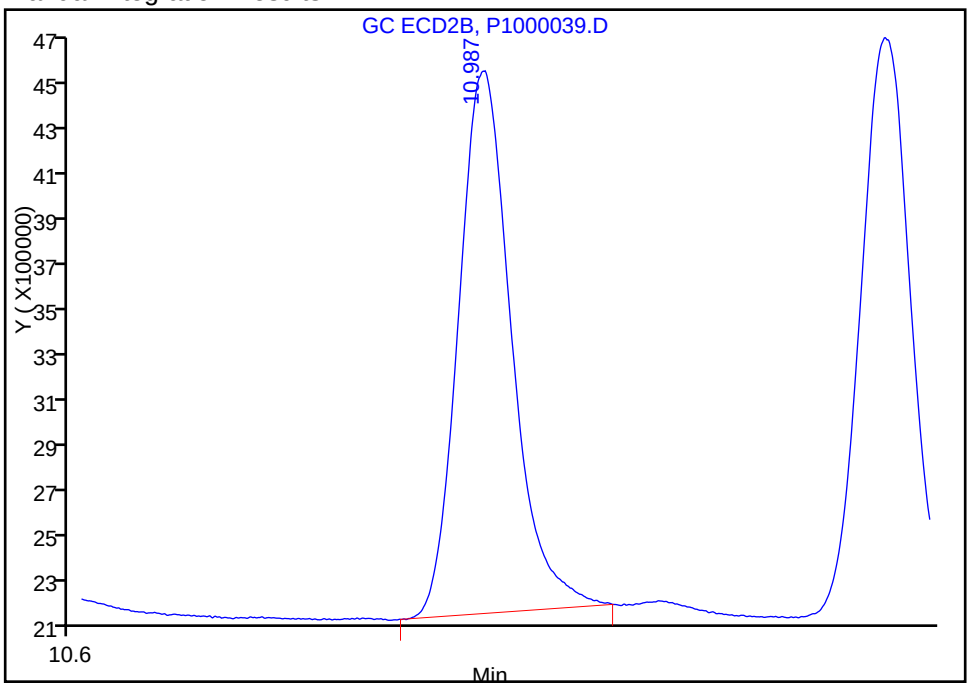
Processing Integration Results

Not Detected
Expected RT: 10.99



Manual Integration Results

RT: 10.99
Response: 2298025
Amount: 0.086514



Reviewer: bolgrind, 24-Dec-2012 10:11:11
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

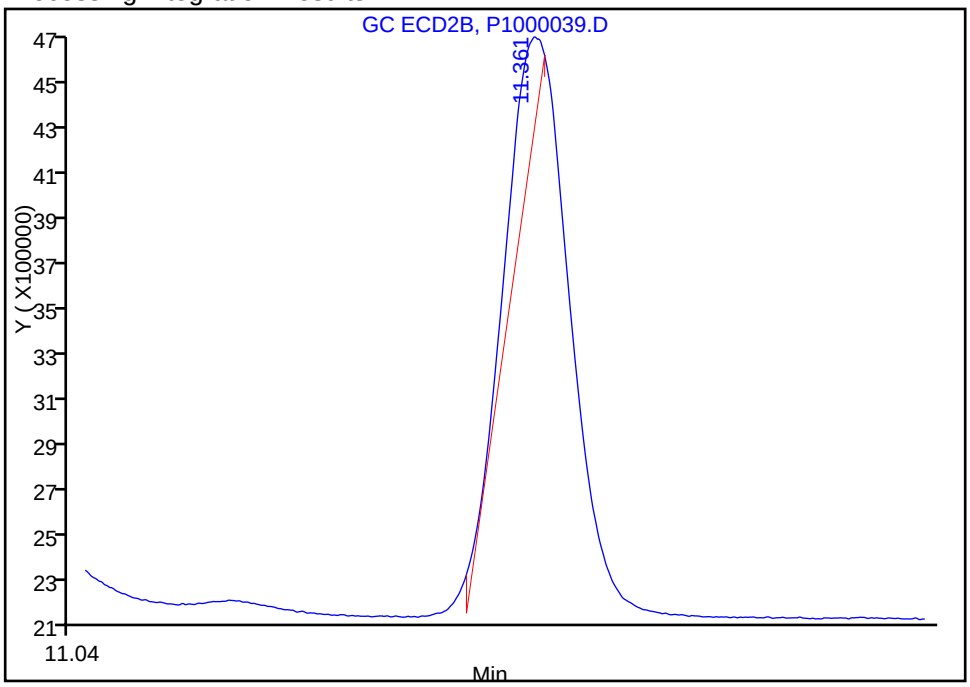
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000039.D		
Injection Date:	23-Dec-2012 01:59:03	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	39
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 Dinoseb, Signal: 2, Type: quant, RT: 11.36, Det: GC ecd2b

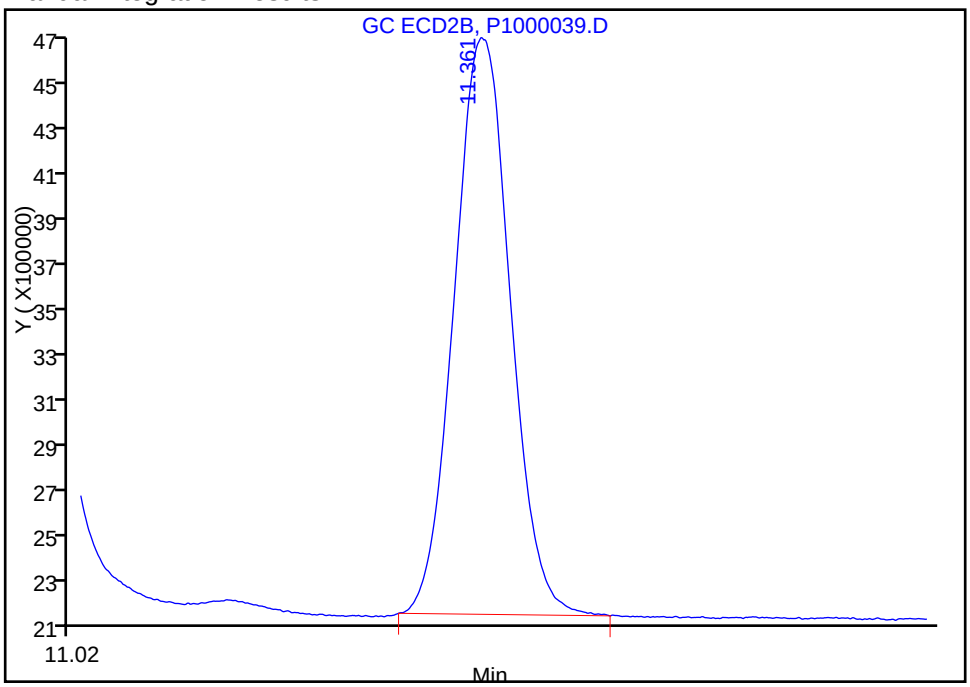
Processing Integration Results

RT: 11.36
Response: 369328
Amount: 0.001910



Manual Integration Results

RT: 11.36
Response: 2446604
Amount: 0.012652



Reviewer: bolgrind, 26-Dec-2012 15:19:08
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/40 Calibration Date: 12/23/2012 02:22

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000040.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2119078900		0.0117	0.0100	16.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/40 Calibration Date: 12/23/2012 02:22

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000040.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.27	8.25	8.29

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000040.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	23-Dec-2012 02:22:46	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016119-040		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	40
Lims Batch ID:	69890	Lims Sample ID:	40
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:41	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		
First Level Reviewer: bolgrind		Date:	24-Dec-2012 10:11:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.273	8.273	0.000	21190789	0.0117	
2	9.217	9.217	0.000	8253656	0.0108	
					RPD = 7.90	

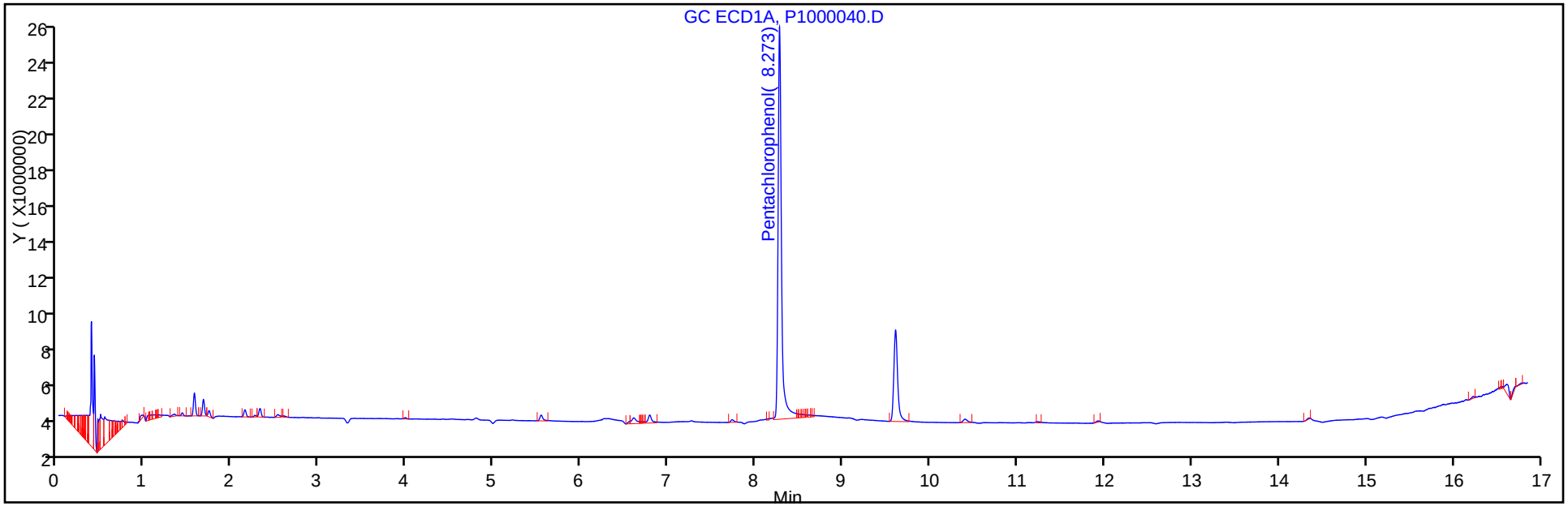
Report Date: 26-Dec-2012 15:31:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

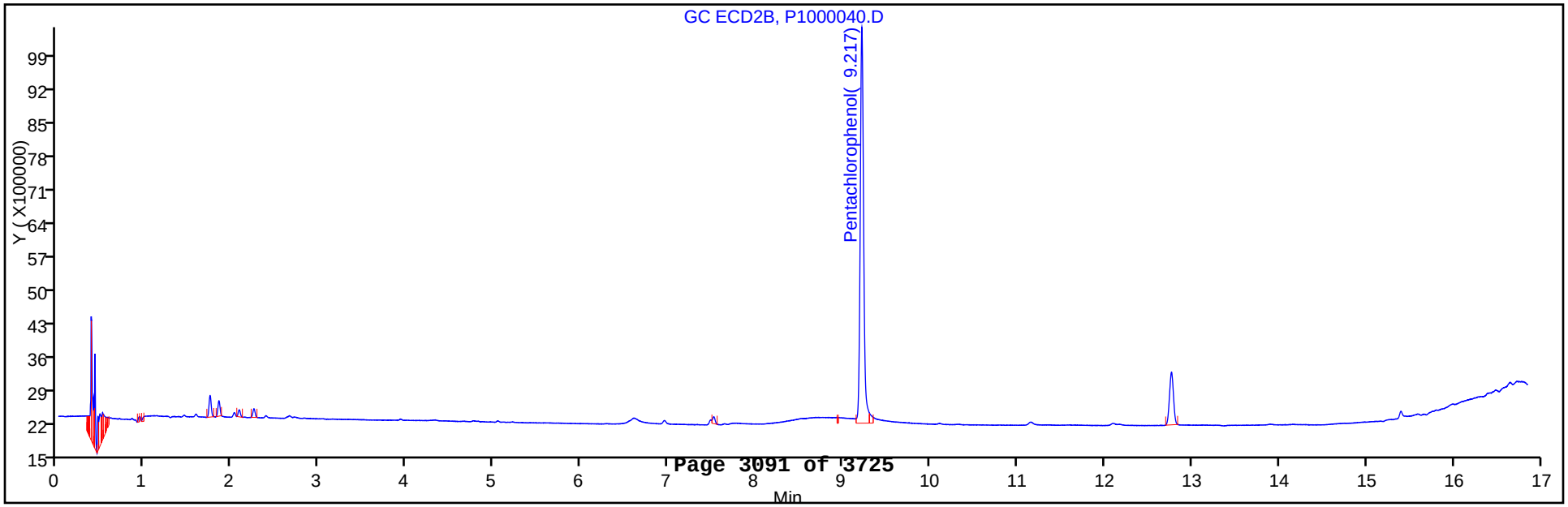
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000040.D

Injection Date:	23-Dec-2012 02:22:46	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	40
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/40 Calibration Date: 12/23/2012 02:22

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000040.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		825365600		0.0108	0.0100	7.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/40 Calibration Date: 12/23/2012 02:22

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000040.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.22	9.20	9.24

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000040.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	23-Dec-2012 02:22:46	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016119-040		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	40
Lims Batch ID:	69890	Lims Sample ID:	40
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:41	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		
First Level Reviewer: bolgrind		Date:	24-Dec-2012 10:11:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.273	8.273	0.000	21190789	0.0117	
2	9.217	9.217	0.000	8253656	0.0108	
					RPD = 7.90	

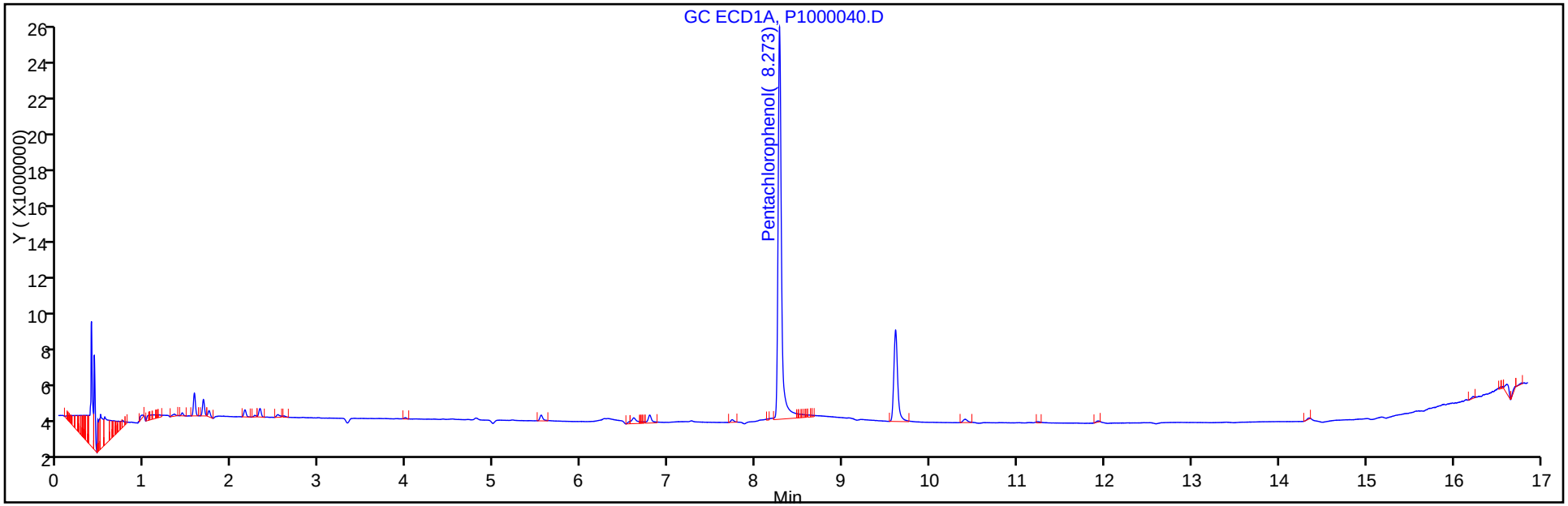
Report Date: 26-Dec-2012 15:31:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

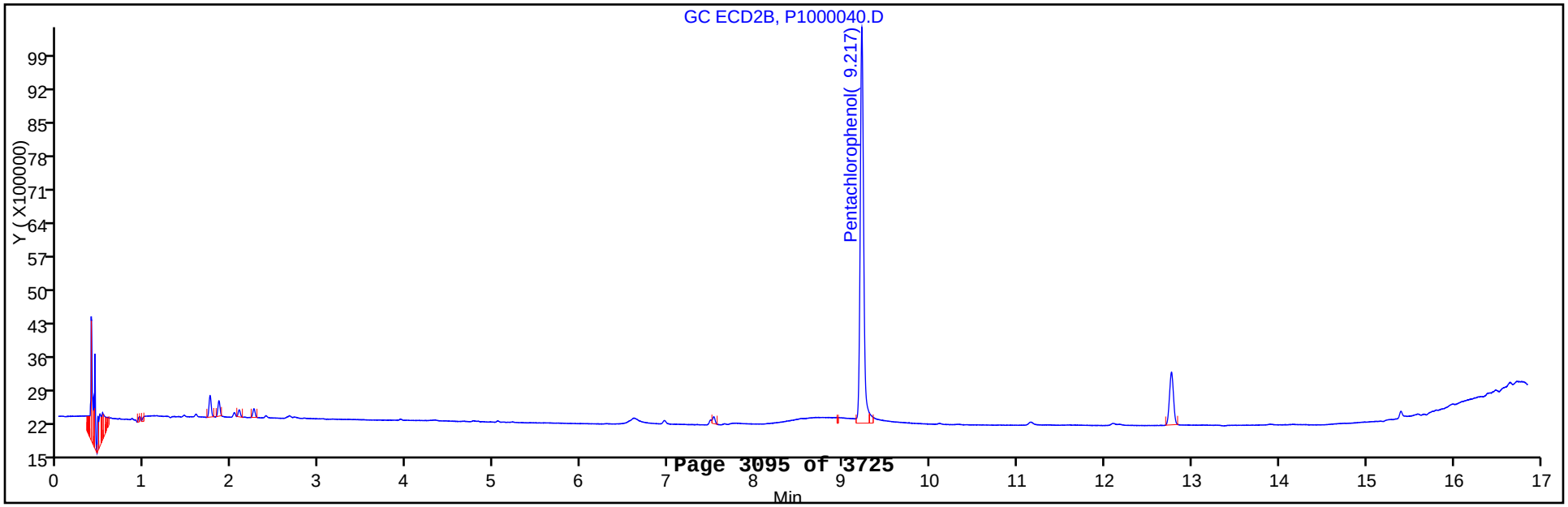
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000040.D

Injection Date:	23-Dec-2012 02:22:46	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	40
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/47 Calibration Date: 12/23/2012 05:07

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2221868400		0.0123	0.0100	22.9*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/47 Calibration Date: 12/23/2012 05:07

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000047.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.28	8.26	8.30

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000047.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	23-Dec-2012 05:07:04	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016119-047		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	47
Lims Batch ID:	69890	Lims Sample ID:	47
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:49	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

First Level Reviewer: bolgrind Date: 24-Dec-2012 15:38:42

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.275	8.275	0.000	22218684	0.0123	
2	9.217	9.217	0.000	8598943	0.0113	
					RPD = 8.74	

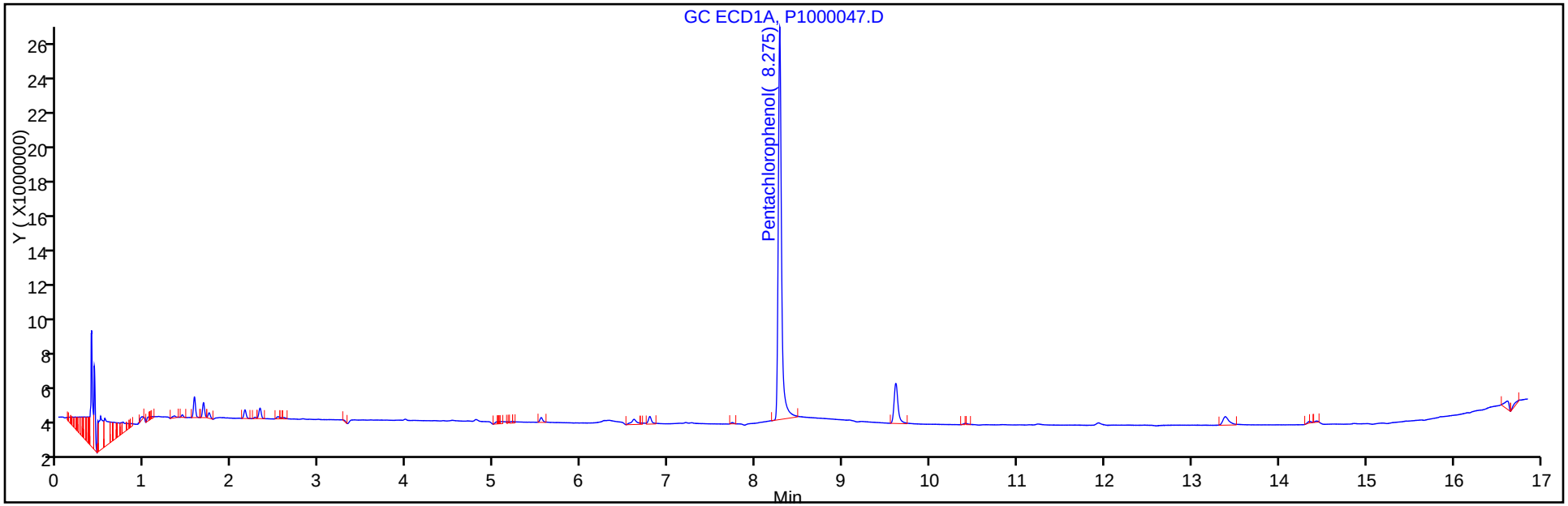
Report Date: 26-Dec-2012 15:31:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

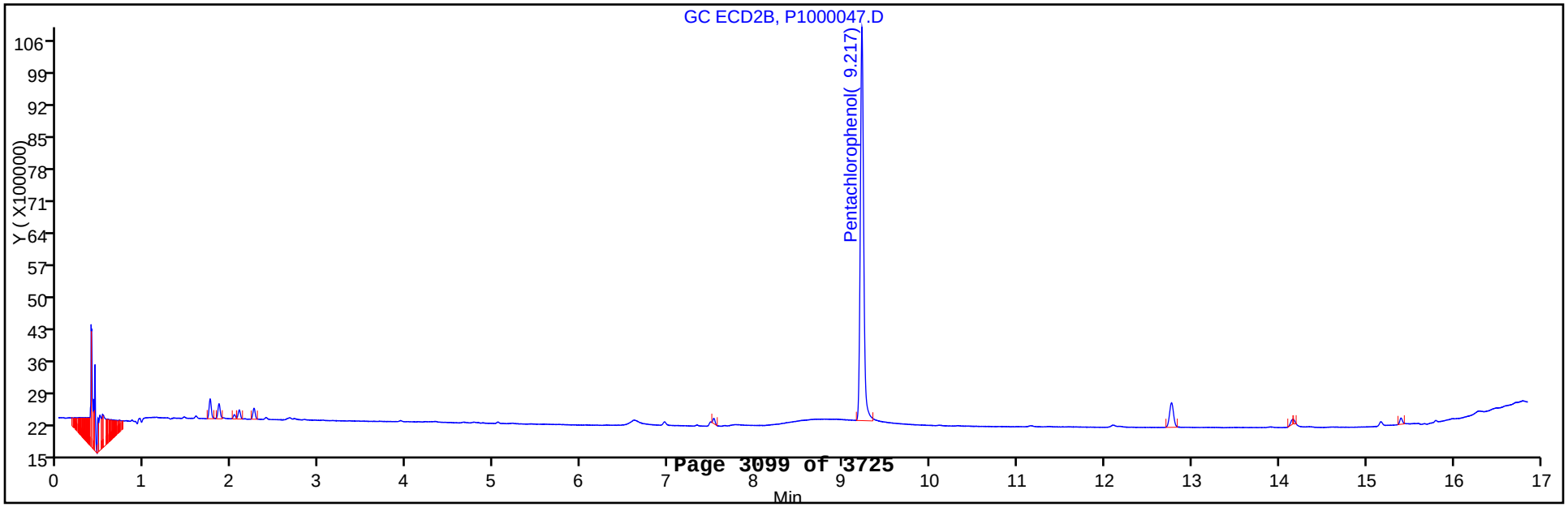
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000047.D

Injection Date:	23-Dec-2012 05:07:04	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	47
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/47 Calibration Date: 12/23/2012 05:07

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		859894300		0.0113	0.0100	12.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/47 Calibration Date: 12/23/2012 05:07

Instrument ID: A2HP1 Calib Start Date: 09/18/2012 13:18

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 09/18/2012 15:16

Lab File ID: P1000047.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.22	9.20	9.24

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000047.D		
Lims ID:	CCV PCP	Client ID:	
Inject. Date:	23-Dec-2012 05:07:04	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016119-047		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	47
Lims Batch ID:	69890	Lims Sample ID:	47
Sublist:	chrom-8151_1*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:49	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

First Level Reviewer: bolgrind Date: 24-Dec-2012 15:38:42

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.275	8.275	0.000	22218684	0.0123	
2	9.217	9.217	0.000	8598943	0.0113	
					RPD = 8.74	

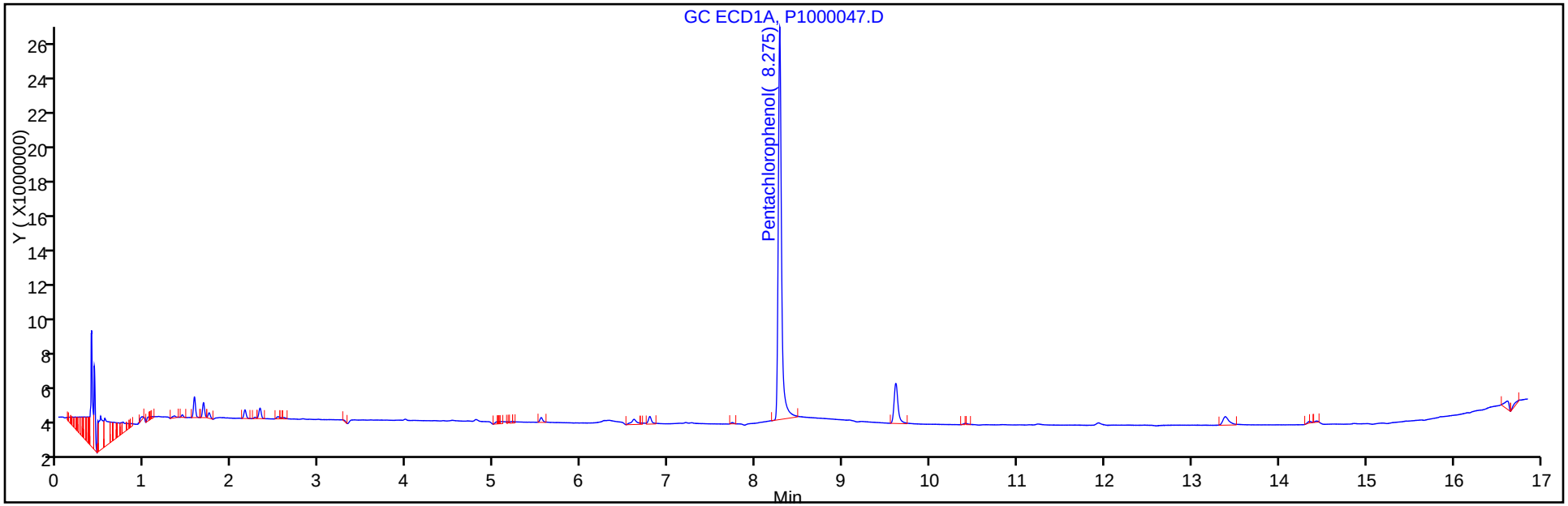
Report Date: 26-Dec-2012 15:31:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

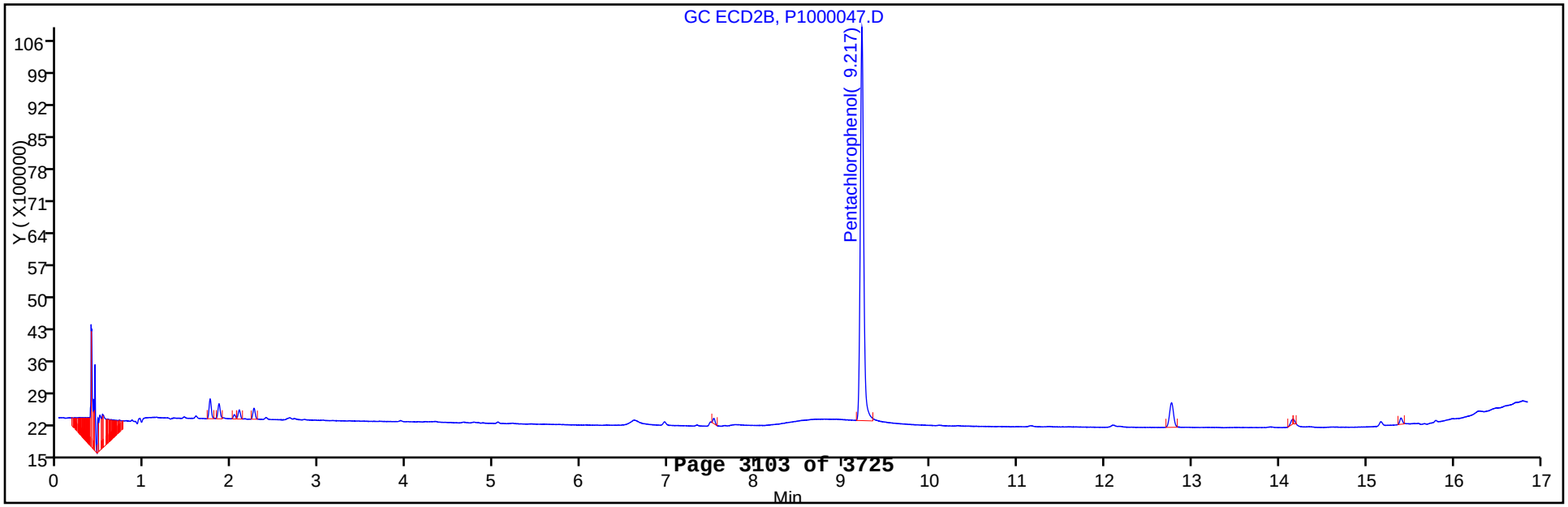
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000047.D

Injection Date:	23-Dec-2012 05:07:04	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	47
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/48 Calibration Date: 12/23/2012 05:30

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	457412034	441658225		0.0386	0.0400	-3.4	20.0
Dicamba	Ave	617859973	718801375		0.0465	0.0400	16.3	20.0
MCPP	Qua		816578		10.3	8.00	28.8*	20.0
MCPA	Qua		1038956		10.0	8.00	25.4*	20.0
Dichlorprop	Ave	138436820	160492200		0.0927	0.0800	15.9	20.0
2,4-D	Ave	150538188	169104325		0.0899	0.0800	12.3	20.0
Silvex (2,4,5-TP)	Ave	763444311	830786850		0.0218	0.0200	8.8	20.0
2,4,5-T	Ave	613790425	647547650		0.0211	0.0200	5.5	20.0
2,4-DB	Ave	63842790	69718975		0.0874	0.0800	9.2	20.0
Dinoseb	Ave	505863757	553572667		0.0131	0.0120	9.4	20.0
2,4-Dichlorophenylacetic acid	Ave	149068897	172111463		0.0924	0.0800	15.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/48 Calibration Date: 12/23/2012 05:30

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000048.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.24	1.22	1.26
Dicamba	7.13	7.11	7.15
MCPP	7.42	7.40	7.44
MCPA	7.58	7.56	7.60
Dichlorprop	7.95	7.93	7.97
2,4-D	8.19	8.17	8.21
Silvex (2,4,5-TP)	9.06	9.04	9.08
2,4,5-T	9.38	9.36	9.40
2,4-DB	10.01	9.99	10.03
Dinoseb	11.21	11.18	11.24
2,4-Dichlorophenylacetic acid	6.97	6.95	6.99

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000048.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	23-Dec-2012 05:30:27	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0016119-048		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	48
Lims Batch ID:	69890	Lims Sample ID:	48
Sublist:	chrom-8151_1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	27-Dec-2012 09:46:54	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		
First Level Reviewer: bolgrind		Date:	24-Dec-2012 15:39:31

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.237	1.237	0.000	17666329	0.0386	
2	1.372	1.372	0.000	6052131	0.0417	
					RPD = 7.56	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.965	6.965	0.000	13768917	0.0924	
2	7.607	7.607	0.000	5712107	0.0920	
					RPD = 0.38	
6 Dicamba						
1	7.130	7.130	0.000	28752055	0.0465	
2	7.774	7.774	0.000	11861011	0.0464	
					RPD = 0.32	
10 MCPP						
1	7.415	7.415	0.000	6532626	10.3	
2	7.960	7.960	0.000	2503197	9.36	
					RPD = 9.61	
9 MCPA						
1	7.577	7.577	0.000	8311647	10.0	
2	8.212	8.212	0.000	3361420	9.94	
					RPD = 0.91	
7 Dichlorprop						
1	7.948	7.948	0.000	12839376	0.0927	
2	8.569	8.569	0.000	4918199	0.0933	
					RPD = 0.59	
2 2,4-D						
1	8.187	8.187	0.000	13528346	0.0899	
2	8.926	8.926	0.000	5515570	0.0890	
					RPD = 1.02	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.062	9.062	0.000	16615737	0.0218	
2	9.862	9.862	0.000	6289388	0.0222	
					RPD = 1.77	
1 2,4,5-T						
1	9.377	9.377	0.000	12950953	0.0211	
2	10.337	10.337	0.000	5356392	0.0221	
					RPD = 4.53	
3 2,4-DB						
1	10.007	10.007	0.000	5577518	0.0874	
2	10.987	10.987	0.000	2350698	0.0885	
					RPD = 1.29	
8 Dinoseb						
1	11.209	11.209	0.000	6642872	0.0131	
2	11.364	11.364	0.000	2515823	0.0130	
					RPD = 0.93	

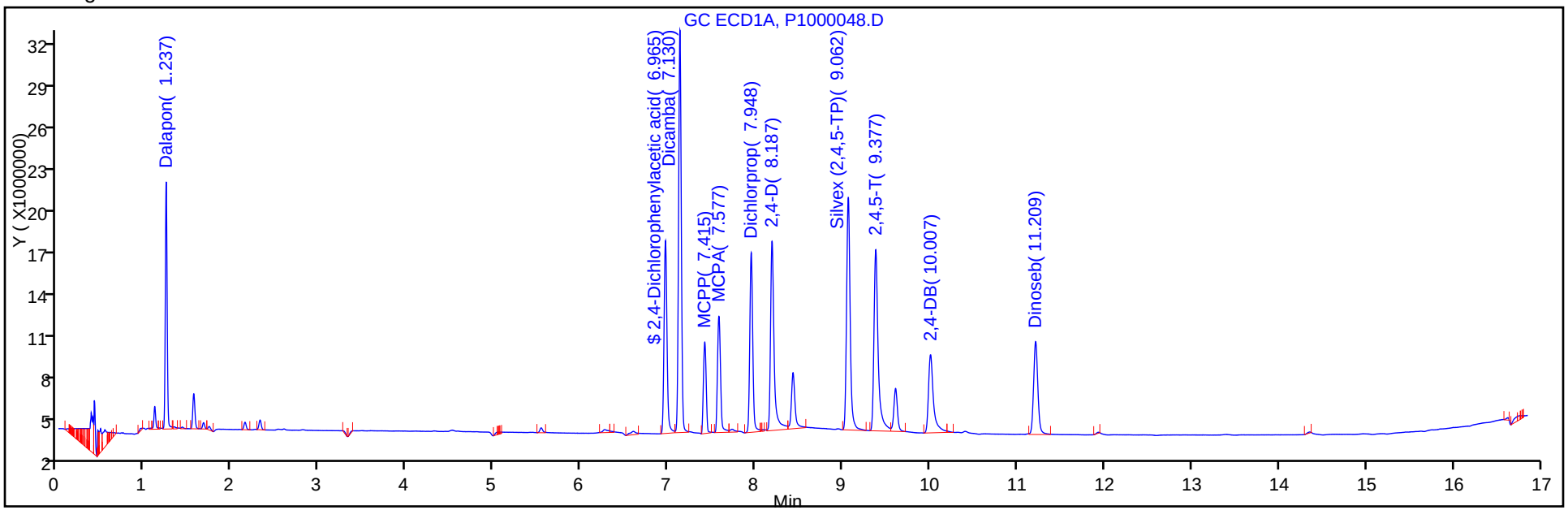
Report Date: 27-Dec-2012 09:46:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

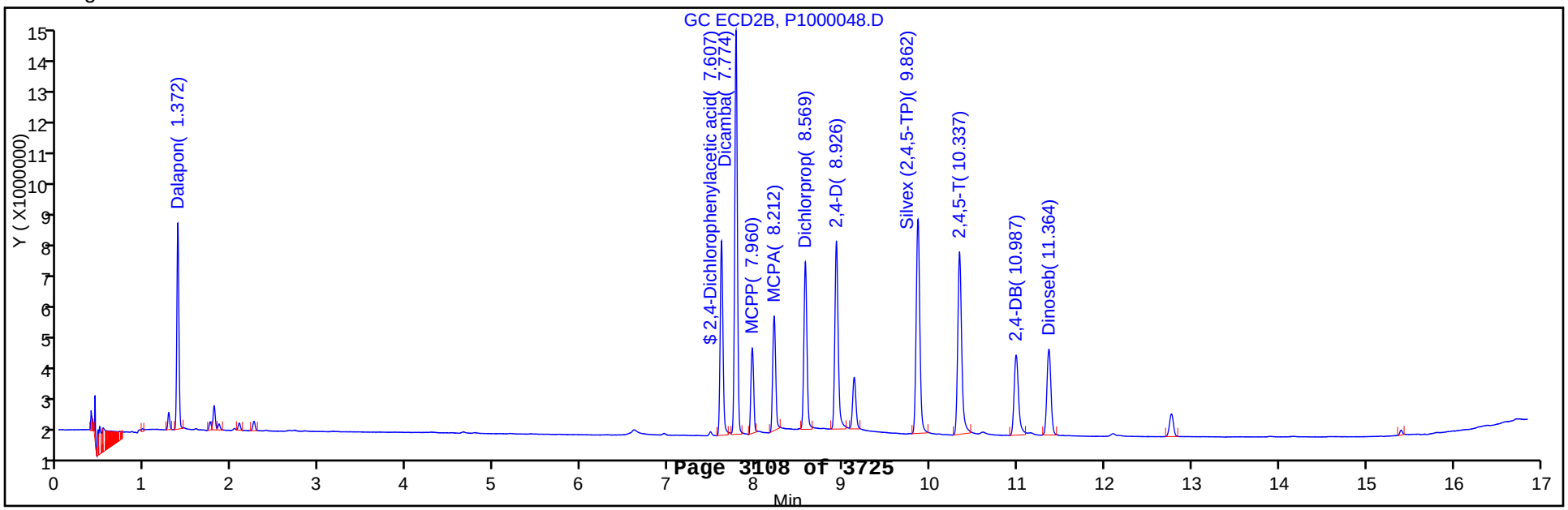
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000048.D

Injection Date:	23-Dec-2012 05:30:27	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	48
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/48 Calibration Date: 12/23/2012 05:30

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	145285641	151303275		0.0417	0.0400	4.1	20.0
Dicamba	Ave	255708069	296525275		0.0464	0.0400	16.0	20.0
MCPP	Qua		312900		9.36	8.00	17.0	20.0
MCPA	Lin1		420178		9.94	8.00	24.3*	20.0
Dichlorprop	Ave	52718146	61477488		0.0933	0.0800	16.6	20.0
2,4-D	Ave	62005138	68944625		0.0890	0.0800	11.2	20.0
Silvex (2,4,5-TP)	Ave	283903898	314469400		0.0222	0.0200	10.8	20.0
2,4,5-T	Ave	242611790	267819600		0.0221	0.0200	10.4	20.0
2,4-DB	Ave	26562352	29383725		0.0885	0.0800	10.6	20.0
Dinoseb	Ave	193371382	209651917		0.0130	0.0120	8.4	20.0
2,4-Dichlorophenylacetic acid	Ave	62078149	71401338		0.0920	0.0800	15.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 240-69890/48 Calibration Date: 12/23/2012 05:30

Instrument ID: A2HP1 Calib Start Date: 12/03/2012 17:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/03/2012 19:52

Lab File ID: P1000048.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.37	1.35	1.39
Dicamba	7.77	7.75	7.79
MCPP	7.96	7.94	7.98
MCPA	8.21	8.19	8.23
Dichlorprop	8.57	8.55	8.59
2,4-D	8.93	8.91	8.95
Silvex (2,4,5-TP)	9.86	9.84	9.88
2,4,5-T	10.34	10.32	10.36
2,4-DB	10.99	10.97	11.01
Dinoseb	11.36	11.33	11.39
2,4-Dichlorophenylacetic acid	7.61	7.59	7.63

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000048.D
Lims ID: CCV Client ID:
Inject. Date: 23-Dec-2012 05:30:27 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0016119-048
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 48
Lims Batch ID: 69890 Lims Sample ID: 48
Sublist: chrom-8151_1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 27-Dec-2012 09:46:54 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK011

First Level Reviewer: bolgrind Date: 24-Dec-2012 15:39:31

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.237	1.237	0.000	17666329	0.0386	
2	1.372	1.372	0.000	6052131	0.0417	
					RPD = 7.56	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.965	6.965	0.000	13768917	0.0924	
2	7.607	7.607	0.000	5712107	0.0920	
					RPD = 0.38	
6 Dicamba						
1	7.130	7.130	0.000	28752055	0.0465	
2	7.774	7.774	0.000	11861011	0.0464	
					RPD = 0.32	
10 MCPP						
1	7.415	7.415	0.000	6532626	10.3	
2	7.960	7.960	0.000	2503197	9.36	
					RPD = 9.61	
9 MCPA						
1	7.577	7.577	0.000	8311647	10.0	
2	8.212	8.212	0.000	3361420	9.94	
					RPD = 0.91	
7 Dichlorprop						
1	7.948	7.948	0.000	12839376	0.0927	
2	8.569	8.569	0.000	4918199	0.0933	
					RPD = 0.59	
2 2,4-D						
1	8.187	8.187	0.000	13528346	0.0899	
2	8.926	8.926	0.000	5515570	0.0890	
					RPD = 1.02	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	9.062	9.062	0.000	16615737	0.0218	
2	9.862	9.862	0.000	6289388	0.0222	
					RPD = 1.77	
1 2,4,5-T						
1	9.377	9.377	0.000	12950953	0.0211	
2	10.337	10.337	0.000	5356392	0.0221	
					RPD = 4.53	
3 2,4-DB						
1	10.007	10.007	0.000	5577518	0.0874	
2	10.987	10.987	0.000	2350698	0.0885	
					RPD = 1.29	
8 Dinoseb						
1	11.209	11.209	0.000	6642872	0.0131	
2	11.364	11.364	0.000	2515823	0.0130	
					RPD = 0.93	

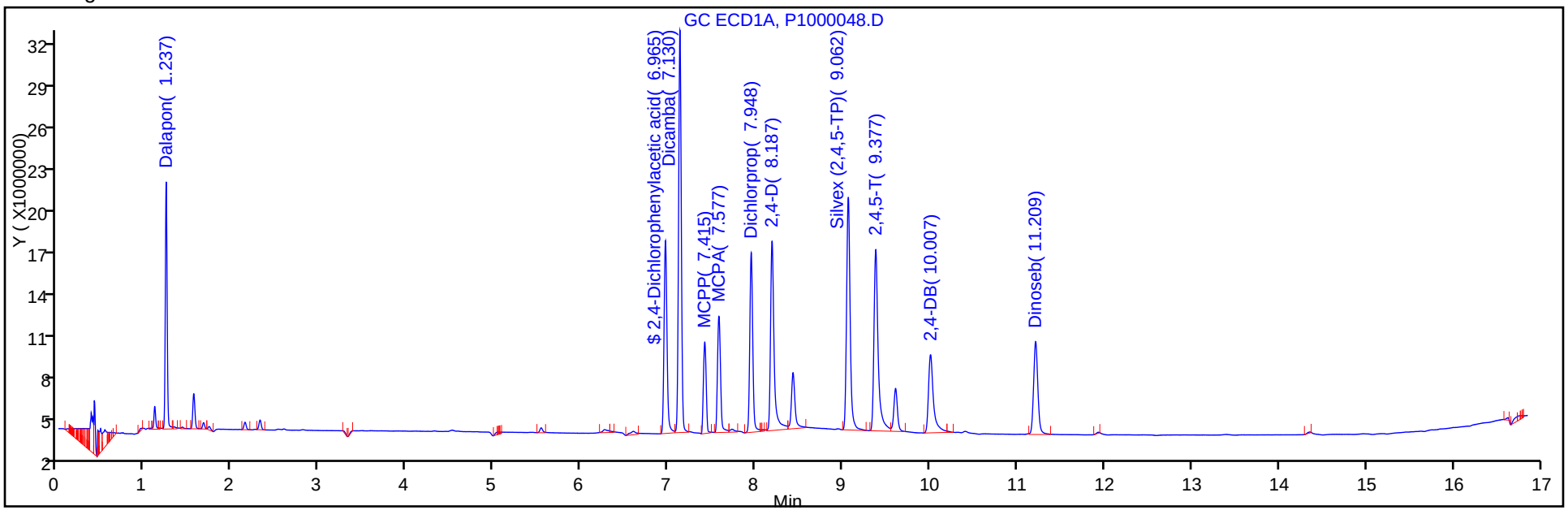
Report Date: 27-Dec-2012 09:46:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

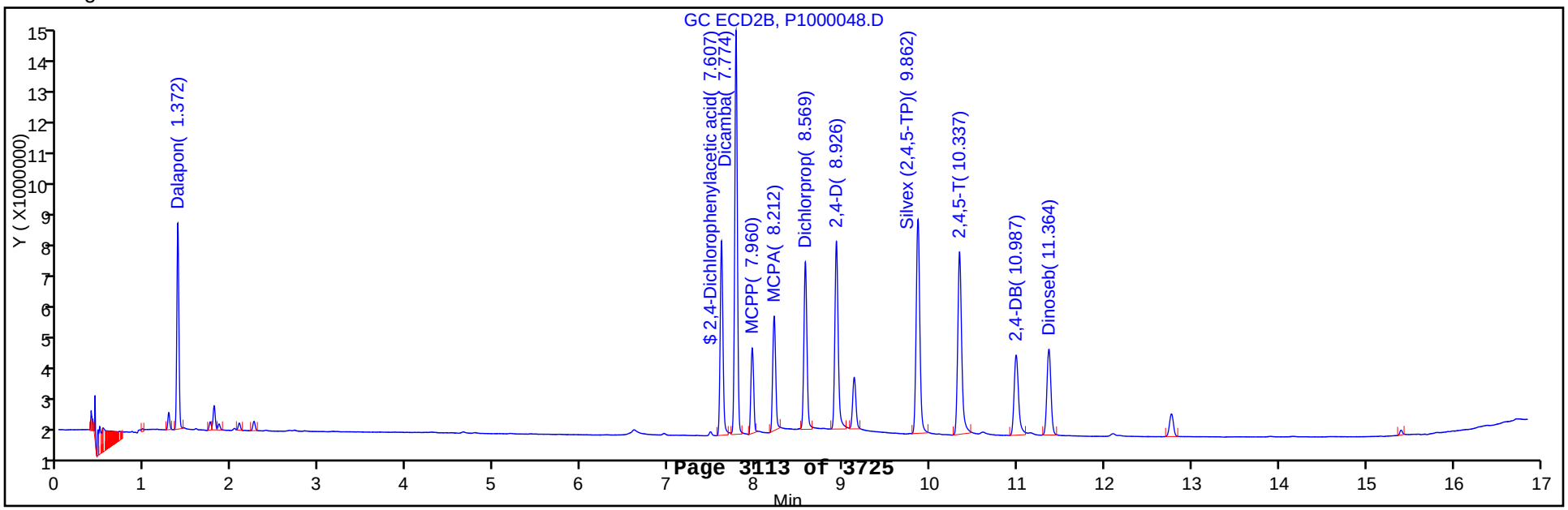
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000048.D

Injection Date:	23-Dec-2012 05:30:27	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	48
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-69221/23-A

Matrix: Solid Lab File ID: P1000044.D

Analysis Method: 8151/DOD Date Collected:

Extraction Method: 8151A Date Extracted: 12/18/2012 11:08

Sample wt/vol: 30(g) Date Analyzed: 12/23/2012 03:56

Con. Extract Vol.: 100(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	73		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000044.D
Lims ID: MB 240-69221/23-A Client ID:
Inject. Date: 23-Dec-2012 03:56:34 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016119-044
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 44
Lims Batch ID: 69890 Lims Sample ID: 44
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1		1.236				
2		1.371				
$ 4 2,4-Dichlorophenylacetic acid						
1	6.964	6.963	0.001	21853944	0.1466	
2	7.608	7.606	0.002	9979132	0.1608	
					RPD = 9.21	
6 Dicamba						
1		7.129				
2		7.773				
10 MCPP						1
1		7.413				
2		7.960				
9 MCPA						1
1		7.576				
2		8.210				
7 Dichlorprop						
1		7.946				
2		8.569				
2 2,4-D						1
1		8.184				
2		8.924				
11 Pentachlorophenol						
1		8.273				
2		9.217				
12 Silvex (2,4,5-TP)						1
1		9.058				
2		9.859				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.373				
2		10.336				
3	2,4-DB					1
1		10.001				
2		10.987				
8	Dinoseb					1
1		11.207				
2		11.361				

QC Flag Legend

Processing Flags
1 - Missing Peaks

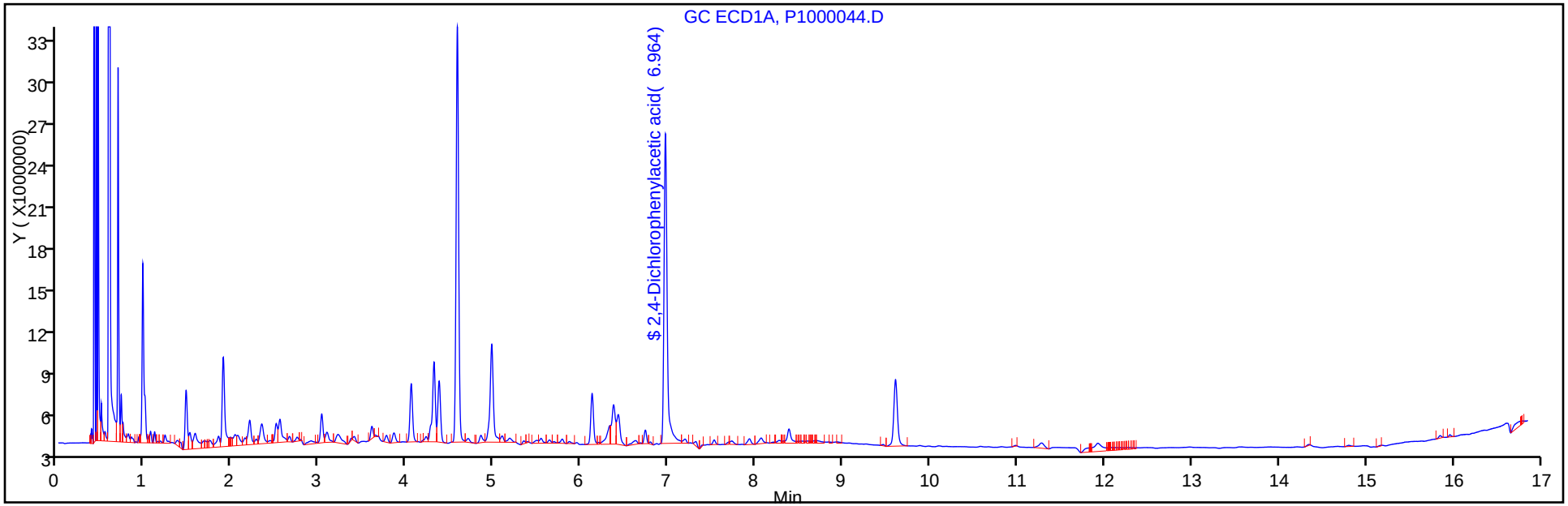
Report Date: 26-Dec-2012 15:31:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

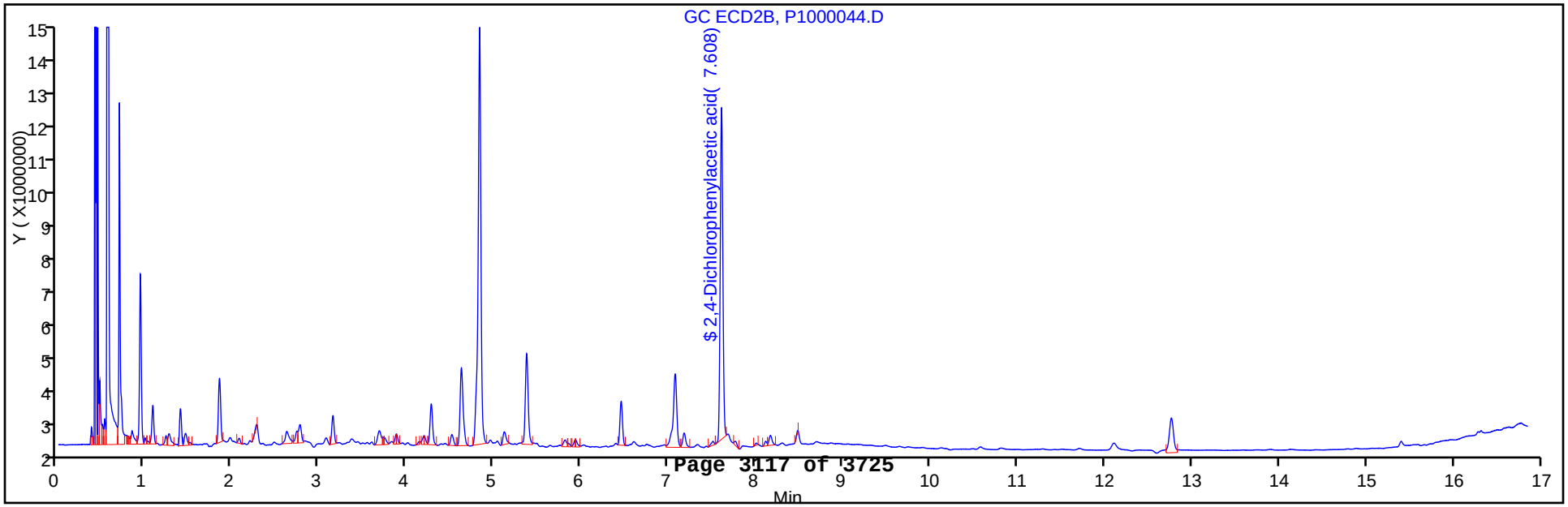
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000044.D

Injection Date:	23-Dec-2012 03:56:34	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	44
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-69221/23-A

Matrix: Solid | Lab File ID: P1000044.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: 8151A | Date Extracted: 12/18/2012 11:08

Sample wt/vol: 30(g) | Date Analyzed: 12/23/2012 03:56

Con. Extract Vol.: 100(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	33	U	80	33	19
75-99-0	Dalapon	17	U	40	17	7.8
94-82-6	2,4-DB	33	U	80	33	22
1918-00-9	Dicamba	17	U	40	17	8.1
120-36-5	Dichlorprop	67	U	80	67	37
88-85-7	Dinoseb	10	U	12	10	10
94-74-6	MCPA	3300	U	8000	3300	1700
93-65-2	MCPP	3300	U	8000	3300	1500
87-86-5	Pentachlorophenol	8.3	U	10	8.3	4.3
93-72-1	Silvex (2,4,5-TP)	8.3	U	20	8.3	4.1
93-76-5	2,4,5-T	8.3	U	20	8.3	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	80		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000044.D
Lims ID: MB 240-69221/23-A
Client ID:
Inject. Date: 23-Dec-2012 03:56:34
Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0016119-044
Misc. Info.:
Operator: 001754
Instrument ID: A2HP1
Injection Vol: 1.0 ul
ALS Bottle#: 44
Lims Batch ID: 69890
Lims Sample ID: 44
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:41
Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK028

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1		1.236				
2		1.371				
$ 4 2,4-Dichlorophenylacetic acid						
1	6.964	6.963	0.001	21853944	0.1466	
2	7.608	7.606	0.002	9979132	0.1608	
					RPD = 9.21	
6 Dicamba						
1		7.129				
2		7.773				
10 MCPP						1
1		7.413				
2		7.960				
9 MCPA						1
1		7.576				
2		8.210				
7 Dichlorprop						
1		7.946				
2		8.569				
2 2,4-D						1
1		8.184				
2		8.924				
11 Pentachlorophenol						
1		8.273				
2		9.217				
12 Silvex (2,4,5-TP)						1
1		9.058				
2		9.859				

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.373				
2		10.336				
3	2,4-DB					1
1		10.001				
2		10.987				
8	Dinoseb					1
1		11.207				
2		11.361				

QC Flag Legend

Processing Flags
1 - Missing Peaks

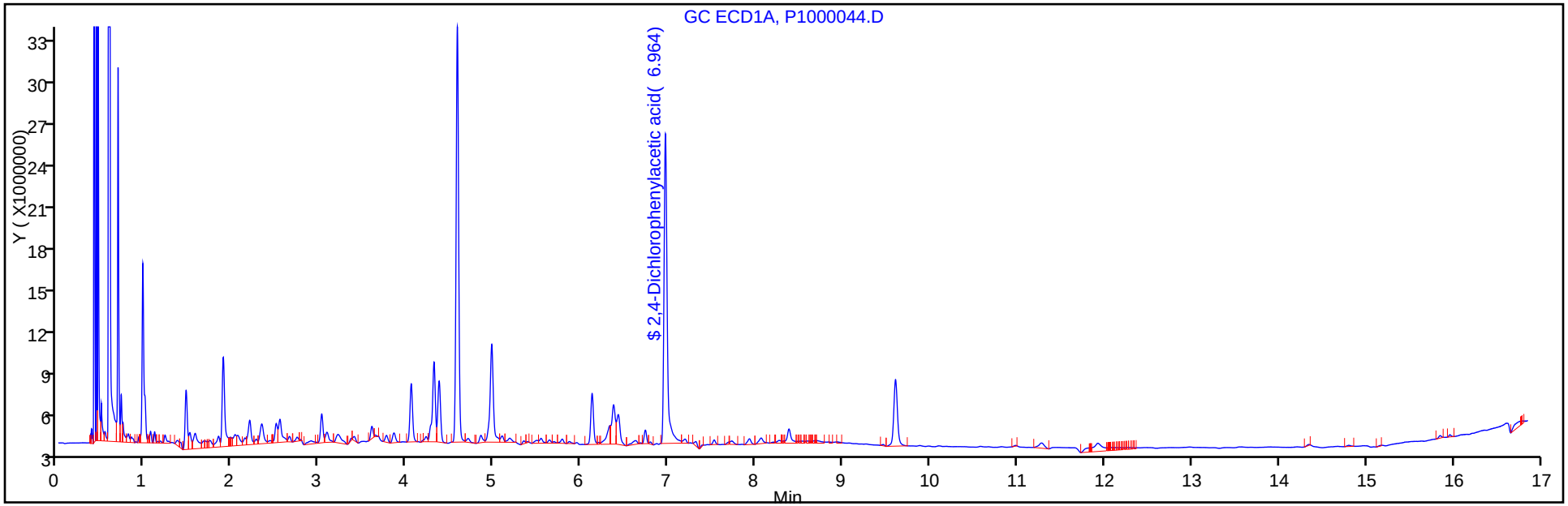
Report Date: 26-Dec-2012 15:31:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

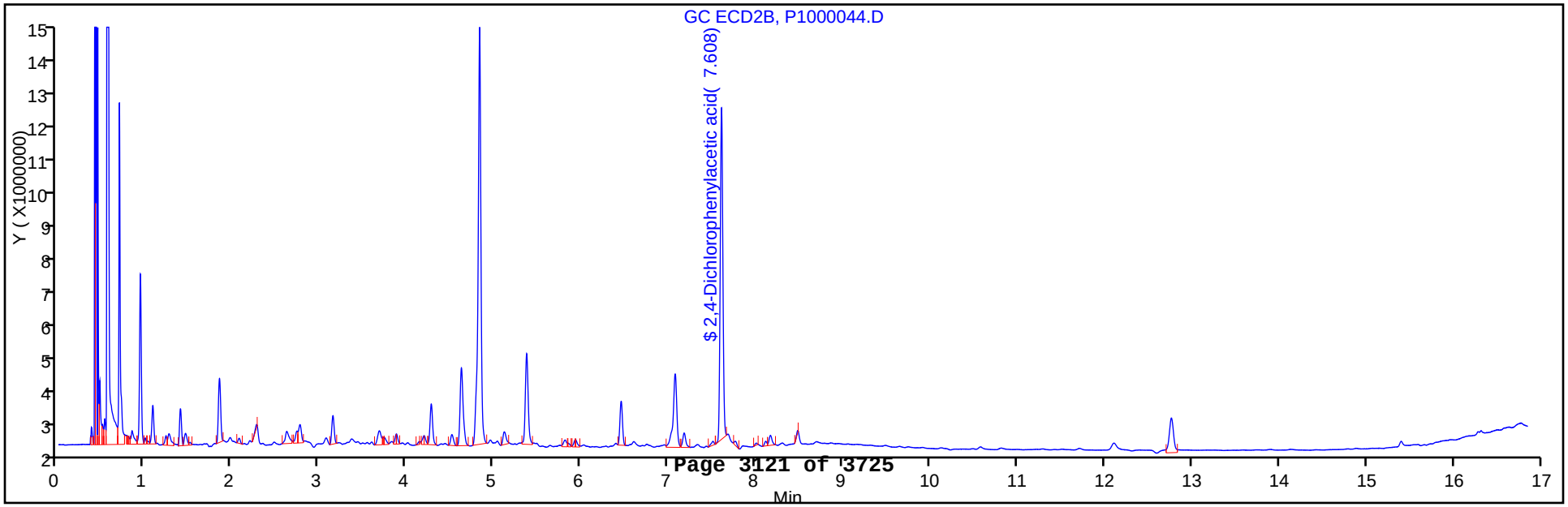
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000044.D

Injection Date:	23-Dec-2012 03:56:34	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	44
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69221/24-A

Matrix: Solid | Lab File ID: P1000045.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: 8151A | Date Extracted: 12/18/2012 11:08

Sample wt/vol: 30(g) | Date Analyzed: 12/23/2012 04:19

Con. Extract Vol.: 100(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	78		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000045.D
Lims ID: LCS 240-69221/24-A Client ID:
Inject. Date: 23-Dec-2012 04:19:56 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016119-045
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 69890 Lims Sample ID: 45
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind Date: 26-Dec-2012 15:21:39

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.236	1.236	0.000	28061883	0.0613	
2	1.370	1.371	-0.001	10207636	0.0703	
					RPD = 13.54	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.962	6.963	-0.001	23371813	0.1568	
2	7.606	7.606	0.000	10933728	0.1761	
					RPD = 11.62	
6 Dicamba						
1	7.128	7.129	-0.001	49163460	0.0796	
2	7.772	7.773	-0.001	21889922	0.0856	
					RPD = 7.31	
10 MCPP						
1	7.412	7.413	-0.001	9687920	16.8	
2	7.960	7.960	0.000	4106023	17.0	
					RPD = 1.12	
9 MCPA						
1	7.575	7.576	-0.001	12468333	17.0	
2	8.210	8.210	0.000	5732151	19.0	
					RPD = 11.16	
7 Dichlorprop						
1	7.945	7.946	-0.001	28344890	0.2047	
2	8.568	8.569	-0.001	12040217	0.2284	
					RPD = 10.92	
2 2,4-D						
1	8.183	8.184	-0.001	28194874	0.1873	
2	8.922	8.924	-0.002	11211777	0.1808	
					RPD = 3.52	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.272	8.273	-0.001	41472323	0.0241	
2	9.216	9.217	-0.001	15928663	0.0216	
					RPD = 10.84	
12 Silvex (2,4,5-TP)						
1	9.056	9.058	-0.002	31991435	0.0419	
2	9.859	9.859	0.000	12263077	0.0432	
					RPD = 3.03	
1 2,4,5-T						
1	9.370	9.373	-0.003	26526768	0.0432	
2	10.335	10.336	-0.001	10636703	0.0438	
					RPD = 1.43	
3 2,4-DB						
1	9.997	10.001	-0.004	10910310	0.1709	
2	10.983	10.987	-0.004	4445927	0.1674	
					RPD = 2.08	
8 Dinoseb						
1	11.208	11.207	0.001	2045129	0.004043	
2	11.360	11.361	-0.001	765425	0.003958	
					RPD = 2.11	

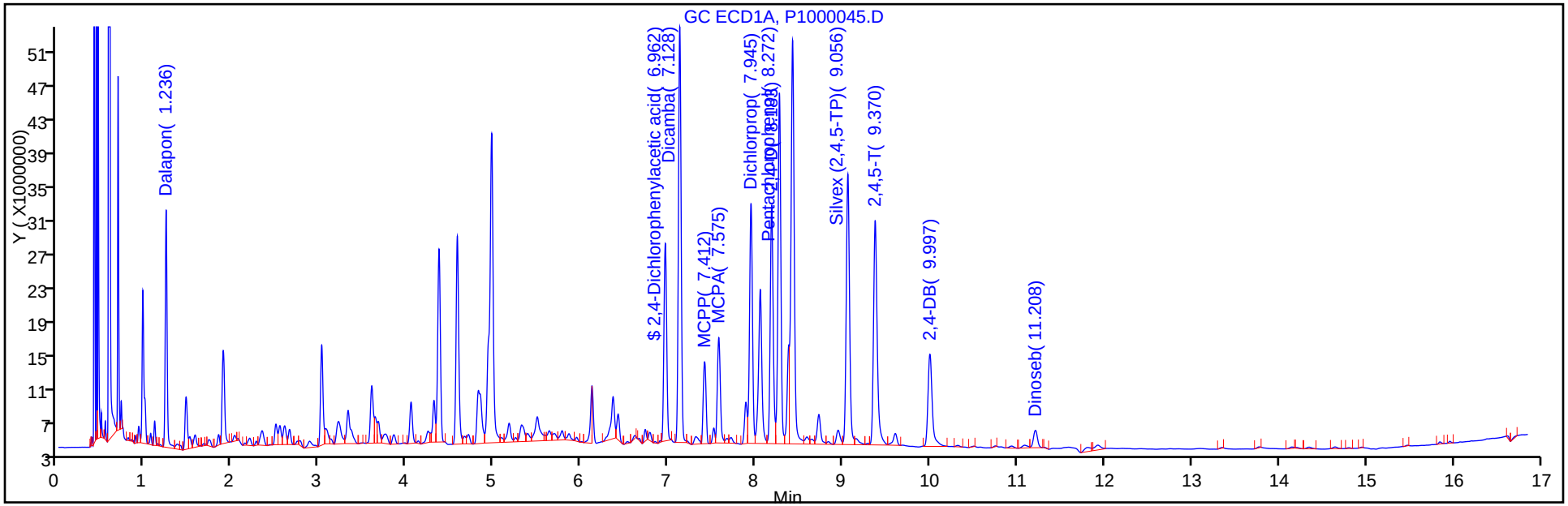
Report Date: 26-Dec-2012 15:31:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

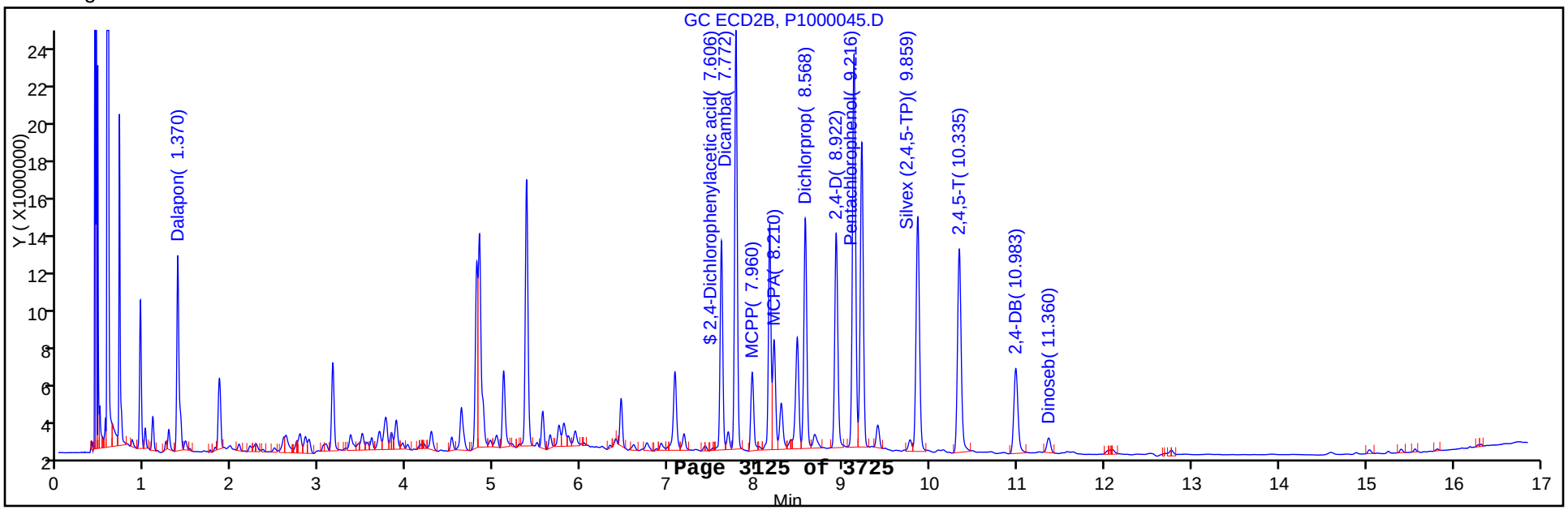
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000045.D

Injection Date:	23-Dec-2012 04:19:56	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	45
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-69221/24-A

Matrix: Solid | Lab File ID: P1000045.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: 8151A | Date Extracted: 12/18/2012 11:08

Sample wt/vol: 30(g) | Date Analyzed: 12/23/2012 04:19

Con. Extract Vol.: 100(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	603		80	33	19
75-99-0	Dalapon	234		40	17	7.8
94-82-6	2,4-DB	558		80	33	22
1918-00-9	Dicamba	285		40	17	8.1
120-36-5	Dichlorprop	761		80	67	37
88-85-7	Dinoseb	13.2		12	10	10
94-74-6	MCPA	63500		8000	3300	1700
93-65-2	MCPP	56800		8000	3300	1500
87-86-5	Pentachlorophenol	72.1		10	8.3	4.3
93-72-1	Silvex (2,4,5-TP)	144		20	8.3	4.1
93-76-5	2,4,5-T	146		20	8.3	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	88		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000045.D
Lims ID: LCS 240-69221/24-A Client ID:
Inject. Date: 23-Dec-2012 04:19:56 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0016119-045
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 69890 Lims Sample ID: 45
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind Date: 26-Dec-2012 15:21:39

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.236	1.236	0.000	28061883	0.0613	
2	1.370	1.371	-0.001	10207636	0.0703	
					RPD = 13.54	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.962	6.963	-0.001	23371813	0.1568	
2	7.606	7.606	0.000	10933728	0.1761	
					RPD = 11.62	
6 Dicamba						
1	7.128	7.129	-0.001	49163460	0.0796	
2	7.772	7.773	-0.001	21889922	0.0856	
					RPD = 7.31	
10 MCPP						
1	7.412	7.413	-0.001	9687920	16.8	
2	7.960	7.960	0.000	4106023	17.0	
					RPD = 1.12	
9 MCPA						
1	7.575	7.576	-0.001	12468333	17.0	
2	8.210	8.210	0.000	5732151	19.0	
					RPD = 11.16	
7 Dichlorprop						
1	7.945	7.946	-0.001	28344890	0.2047	
2	8.568	8.569	-0.001	12040217	0.2284	
					RPD = 10.92	
2 2,4-D						
1	8.183	8.184	-0.001	28194874	0.1873	
2	8.922	8.924	-0.002	11211777	0.1808	
					RPD = 3.52	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.272	8.273	-0.001	41472323	0.0241	
2	9.216	9.217	-0.001	15928663	0.0216	
					RPD = 10.84	
12 Silvex (2,4,5-TP)						
1	9.056	9.058	-0.002	31991435	0.0419	
2	9.859	9.859	0.000	12263077	0.0432	
					RPD = 3.03	
1 2,4,5-T						
1	9.370	9.373	-0.003	26526768	0.0432	
2	10.335	10.336	-0.001	10636703	0.0438	
					RPD = 1.43	
3 2,4-DB						
1	9.997	10.001	-0.004	10910310	0.1709	
2	10.983	10.987	-0.004	4445927	0.1674	
					RPD = 2.08	
8 Dinoseb						
1	11.208	11.207	0.001	2045129	0.004043	
2	11.360	11.361	-0.001	765425	0.003958	
					RPD = 2.11	

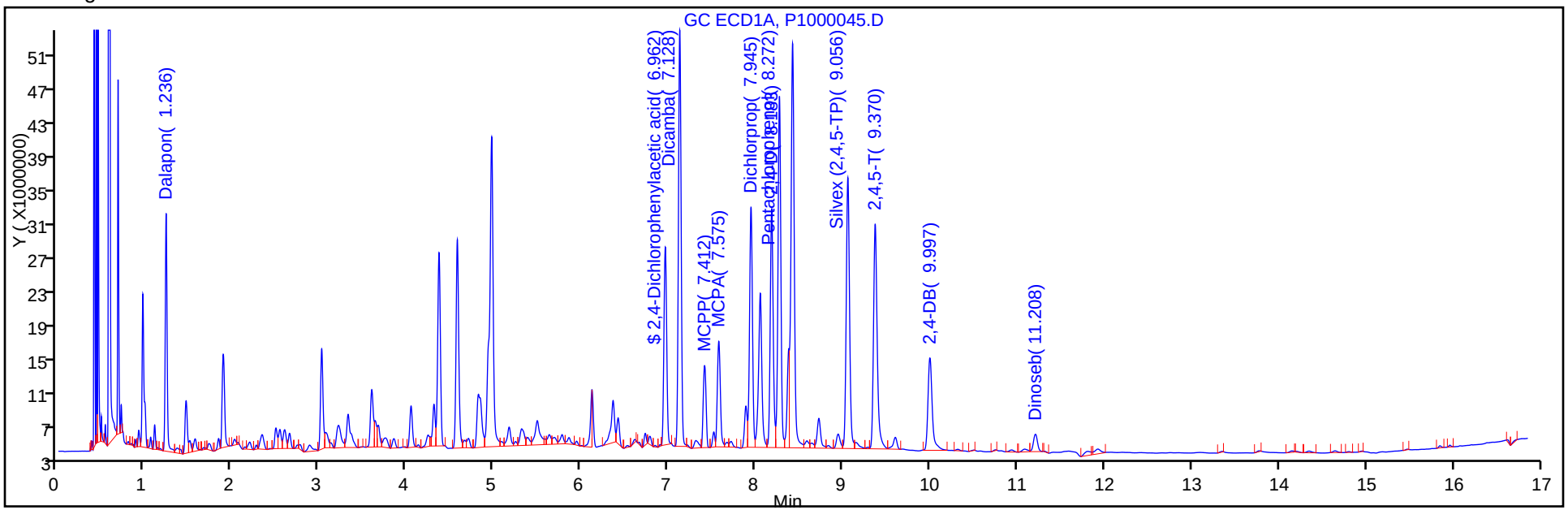
Report Date: 26-Dec-2012 15:31:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

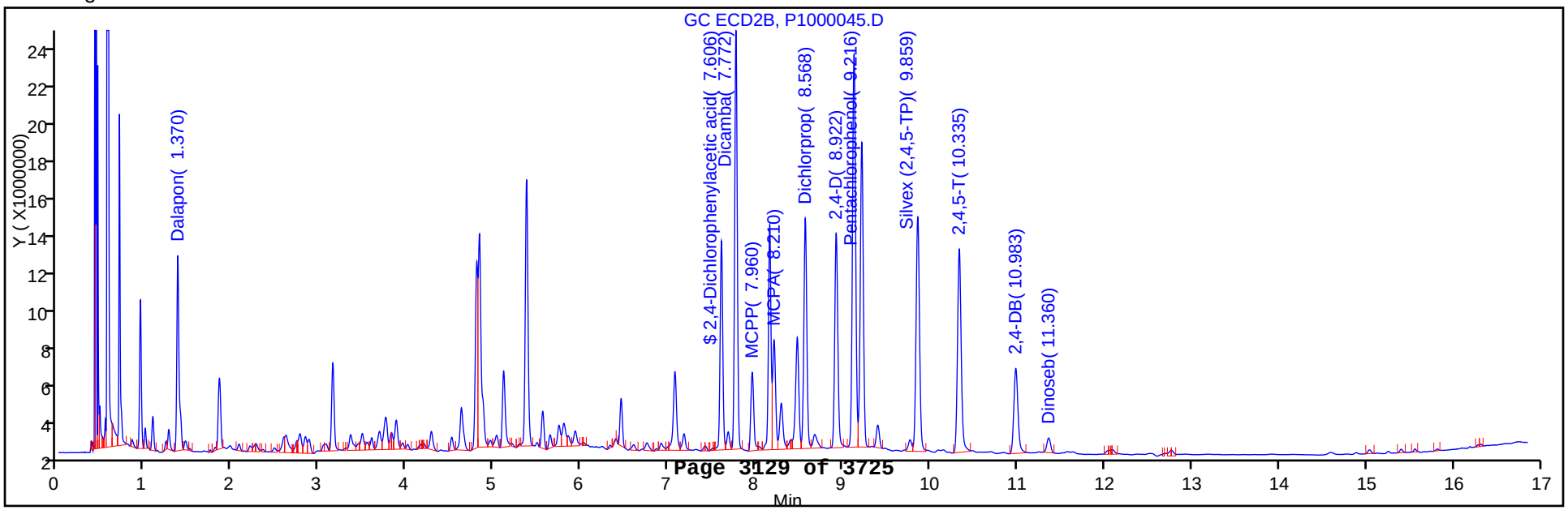
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000045.D

Injection Date:	23-Dec-2012 04:19:56	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	45
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69890/17

Matrix: Solid | Lab File ID: P1000017.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/22/2012 17:21

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	*2,4-D*	*0.0217*		*0.0040*	0.00050	*0.00041*
75-99-0	*Dalapon*	*0.0123*		*0.0020*	0.00020	*0.00017*
94-82-6	*2,4-DB*	*0.0202*		*0.0040*	0.0010	*0.00069*
1918-00-9	*Dicamba*	*0.0122*		*0.0020*	0.0010	*0.00052*
120-36-5	*Dichlorprop*	*0.0248*		*0.0040*	0.0010	*0.00086*
88-85-7	*Dinoseb*	*0.00326*		*0.00060*	0.00020	*0.000087*
94-74-6	*MCPA*	*1.06*	^	*0.40*	0.40	*0.39*
93-65-2	*MCPP*	*1.09*	^	*0.40*	0.40	*0.40*
87-86-5	*Pentachlorophenol*	*0.000040*	*U*	*0.00010*	0.000040	*0.000024*
93-72-1	*Silvex (2,4,5-TP)*	*0.00542*		*0.0010*	0.00020	*0.00020*
93-76-5	*2,4,5-T*	*0.00482*		*0.0010*	0.00050	*0.00030*

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	124	*Q*	19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000017.D
Lims ID: MRL Client ID:
Inject. Date: 22-Dec-2012 17:21:13 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016119-017
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 69890 Lims Sample ID: 17
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:16 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind Date: 26-Dec-2012 15:16:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.234	1.233	0.001	5621648	0.0123	
2	1.378	1.378	0.000	1735434	0.0119	
					RPD = 2.85	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.961	6.958	0.003	3705802	0.0249	
2	7.620	7.617	0.003	1523664	0.0245	
					RPD = 1.28	
6 Dicamba						
1	7.126	7.125	0.001	7532451	0.0122	
2	7.785	7.784	0.001	2937408	0.0115	
					RPD = 5.95	
10 MCPP						
1	7.411	7.410	0.001	1808292	1.09	
2	7.972	7.968	0.004	709329	1.19	
					RPD = 8.29	
9 MCPA						
1	7.573	7.572	0.001	2673007	1.06	
2	8.222	8.221	0.001	1061651	1.11	
					RPD = 4.69	
7 Dichlorprop						
1	7.945	7.943	0.002	3436085	0.0248	
2	8.582	8.580	0.002	1275047	0.0242	
					RPD = 2.59	
2 2,4-D						
1	8.186	8.182	0.004	3259900	0.0217	
2	8.943	8.937	0.006	1369913	0.0221	
					RPD = 2.00	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						1
1		8.269				
2		9.231				
12 Silvex (2,4,5-TP)						
1	9.057	9.054	0.003	4138099	0.005420	
2	9.877	9.873	0.004	1526439	0.005377	
					RPD = 0.81	
1 2,4,5-T						M
1	9.373	9.369	0.004	2957170	0.004818	
2	10.355	10.352	0.003	1257430	0.005183	M
					RPD = 7.30	
3 2,4-DB						
1	10.001	9.998	0.003	1290695	0.0202	
2	11.007	11.002	0.005	561122	0.0211	
					RPD = 4.39	
8 Dinoseb						
1	11.205	11.202	0.003	1650255	0.003262	
2	11.382	11.378	0.004	599301	0.003099	
					RPD = 5.13	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

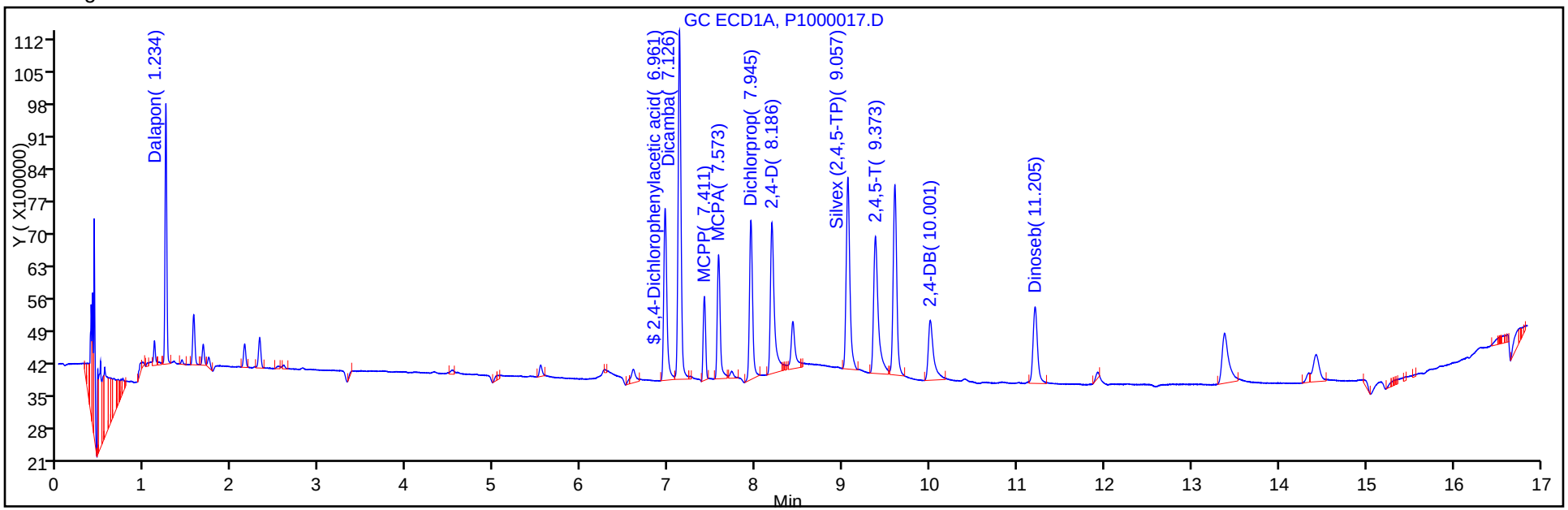
Report Date: 26-Dec-2012 15:31:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

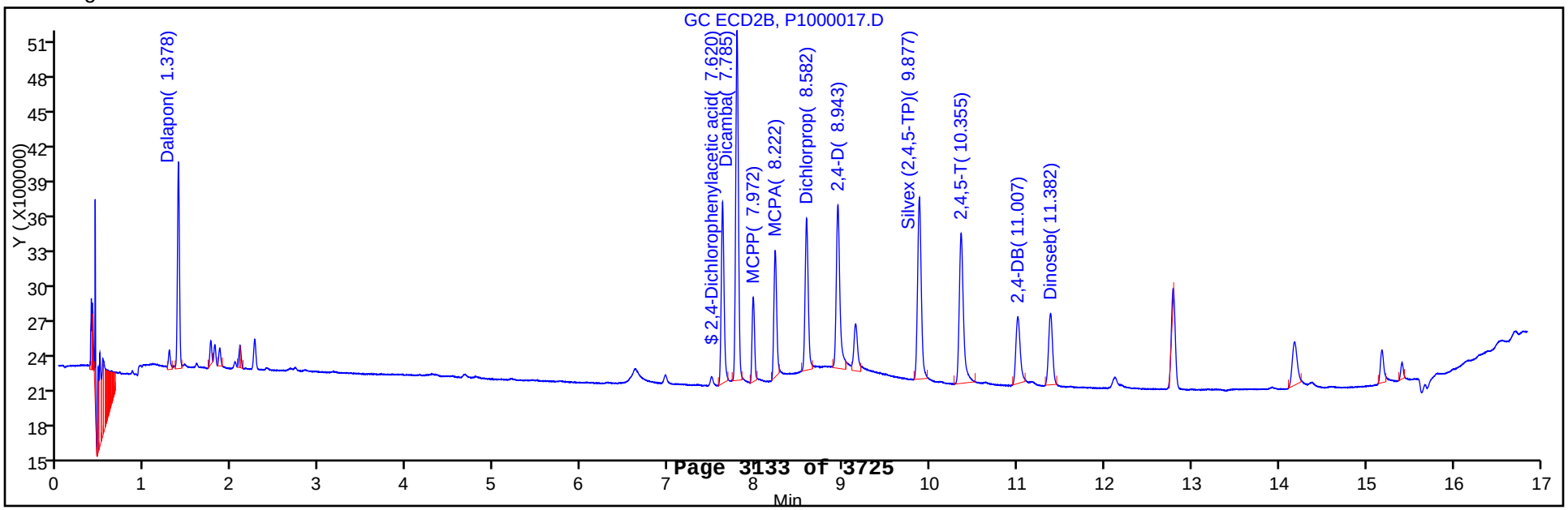
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000017.D

Injection Date:	22-Dec-2012 17:21:13	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	17
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

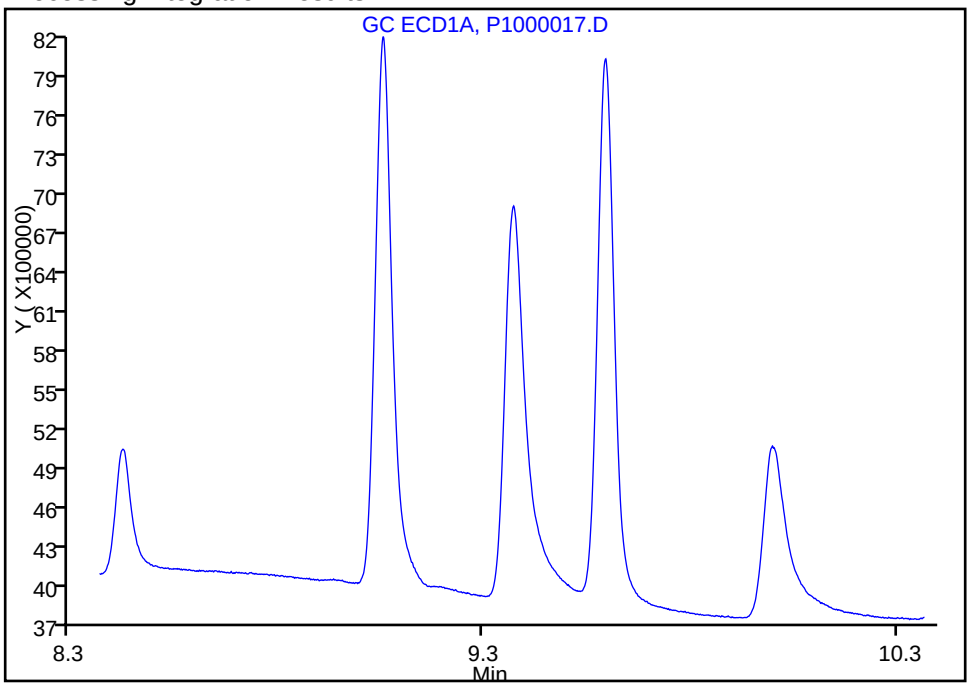
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000017.D		
Injection Date:	22-Dec-2012 17:21:13	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	17
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

1 2,4,5-T, Signal: 1, Type: quant, RT: 9.37, Det: GC ECD1A

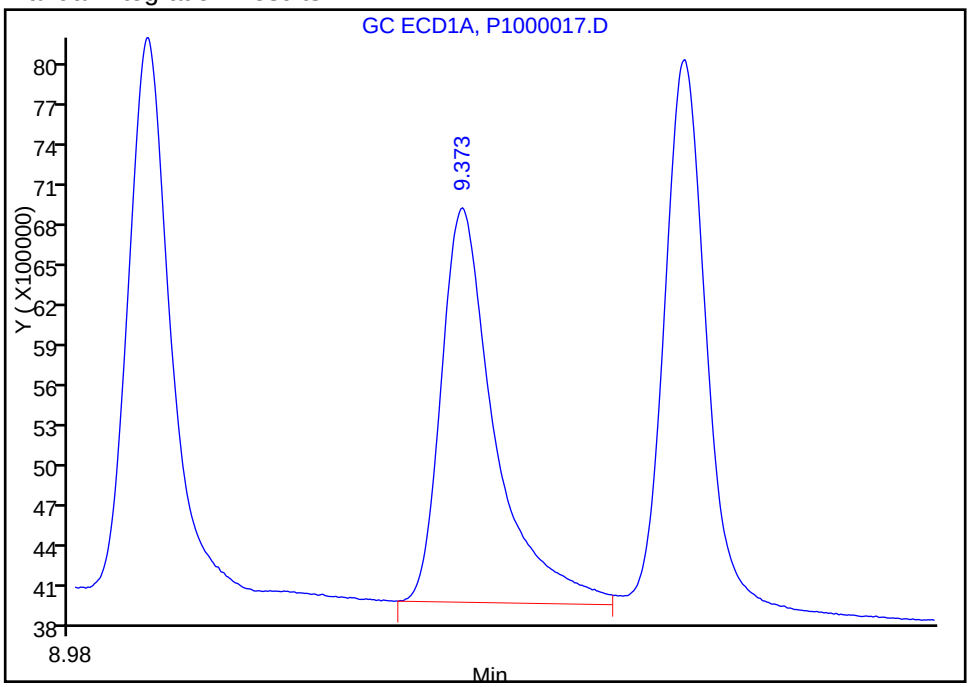
Not Detected
Expected RT: 9.37

Processing Integration Results



Manual Integration Results

RT: 9.37
Response: 2957170
Amount: 0.004818



Reviewer: bolgrind, 26-Dec-2012 15:16:48
Audit Action: Assigned Compound ID
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69890/17

Matrix: Solid | Lab File ID: P1000017.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/22/2012 17:21

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0221		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0119		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0211		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0115		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0242		0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00310		0.00060	0.00020	0.000087
94-74-6	MCPA	1.11	^	0.40	0.40	0.39
93-65-2	MCPP	1.19	^	0.40	0.40	0.40
87-86-5	Pentachlorophenol	0.000040	U	0.00010	0.000040	0.000024
93-72-1	Silvex (2,4,5-TP)	0.00538		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00518	M	0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	123	Q	19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000017.D		
Lims ID:	MRL	Client ID:	
Inject. Date:	22-Dec-2012 17:21:13	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0016119-017		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	69890	Lims Sample ID:	17
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

First Level Reviewer: bolgrind Date: 26-Dec-2012 15:16:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.234	1.233	0.001	5621648	0.0123	
2	1.378	1.378	0.000	1735434	0.0119	
					RPD = 2.85	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.961	6.958	0.003	3705802	0.0249	
2	7.620	7.617	0.003	1523664	0.0245	
					RPD = 1.28	
6 Dicamba						
1	7.126	7.125	0.001	7532451	0.0122	
2	7.785	7.784	0.001	2937408	0.0115	
					RPD = 5.95	
10 MCPP						
1	7.411	7.410	0.001	1808292	1.09	
2	7.972	7.968	0.004	709329	1.19	
					RPD = 8.29	
9 MCPA						
1	7.573	7.572	0.001	2673007	1.06	
2	8.222	8.221	0.001	1061651	1.11	
					RPD = 4.69	
7 Dichlorprop						
1	7.945	7.943	0.002	3436085	0.0248	
2	8.582	8.580	0.002	1275047	0.0242	
					RPD = 2.59	
2 2,4-D						
1	8.186	8.182	0.004	3259900	0.0217	
2	8.943	8.937	0.006	1369913	0.0221	
					RPD = 2.00	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						1
1		8.269				
2		9.231				
12 Silvex (2,4,5-TP)						
1	9.057	9.054	0.003	4138099	0.005420	
2	9.877	9.873	0.004	1526439	0.005377	
					RPD = 0.81	
1 2,4,5-T						M
1	9.373	9.369	0.004	2957170	0.004818	
2	10.355	10.352	0.003	1257430	0.005183	M
					RPD = 7.30	
3 2,4-DB						
1	10.001	9.998	0.003	1290695	0.0202	
2	11.007	11.002	0.005	561122	0.0211	
					RPD = 4.39	
8 Dinoseb						
1	11.205	11.202	0.003	1650255	0.003262	
2	11.382	11.378	0.004	599301	0.003099	
					RPD = 5.13	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

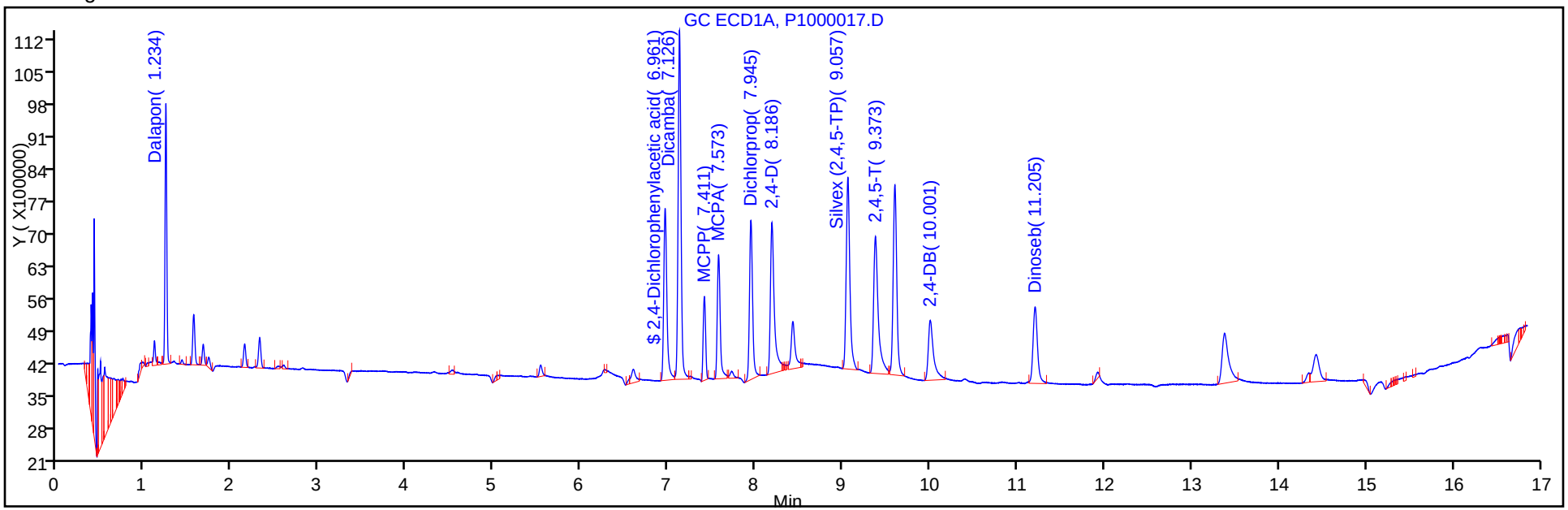
Report Date: 26-Dec-2012 15:31:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

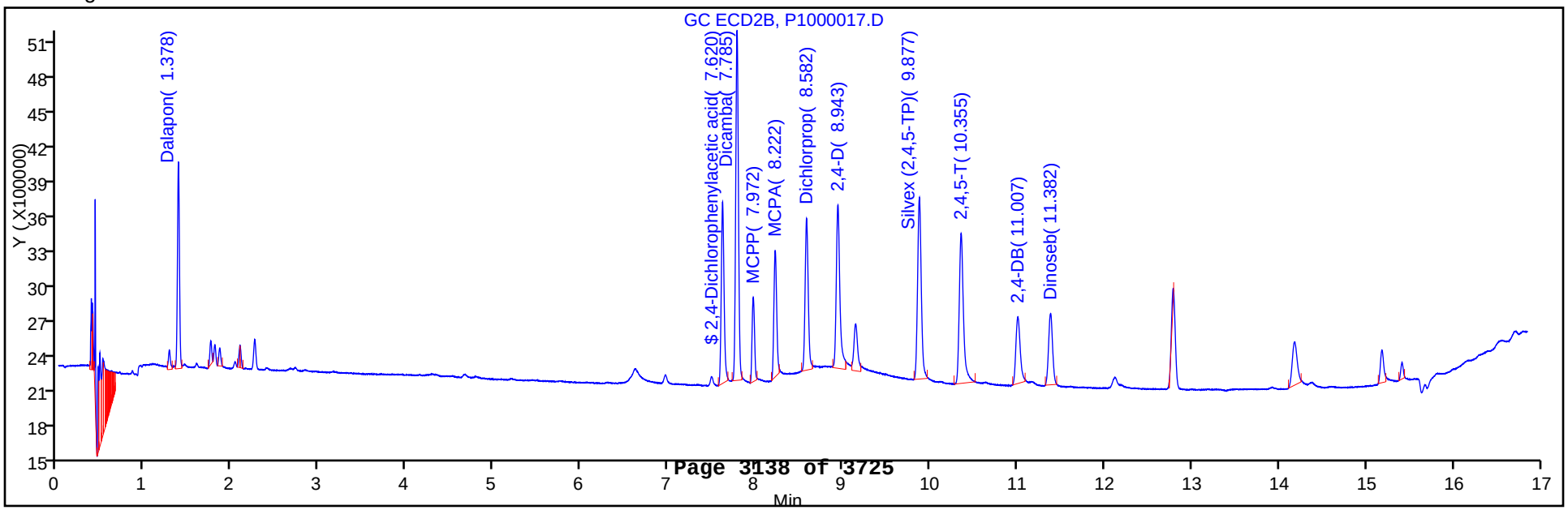
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000017.D

Injection Date:	22-Dec-2012 17:21:13	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	17
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

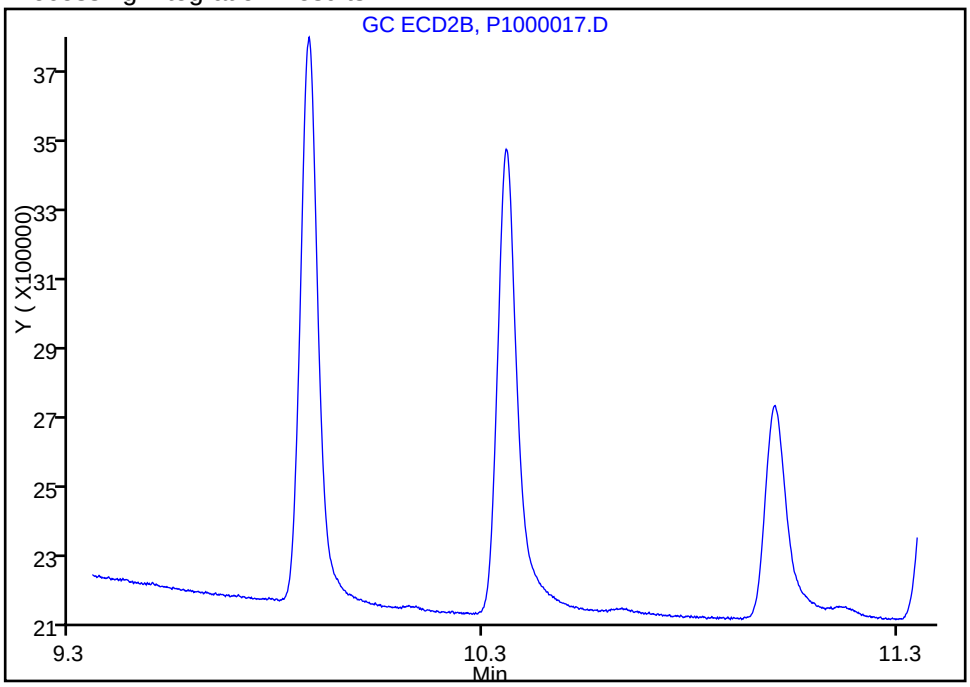
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000017.D		
Injection Date:	22-Dec-2012 17:21:13	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	17
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

1 2,4,5-T, Signal: 2, Type: quant, RT: 10.35, Det: GC ecd2b

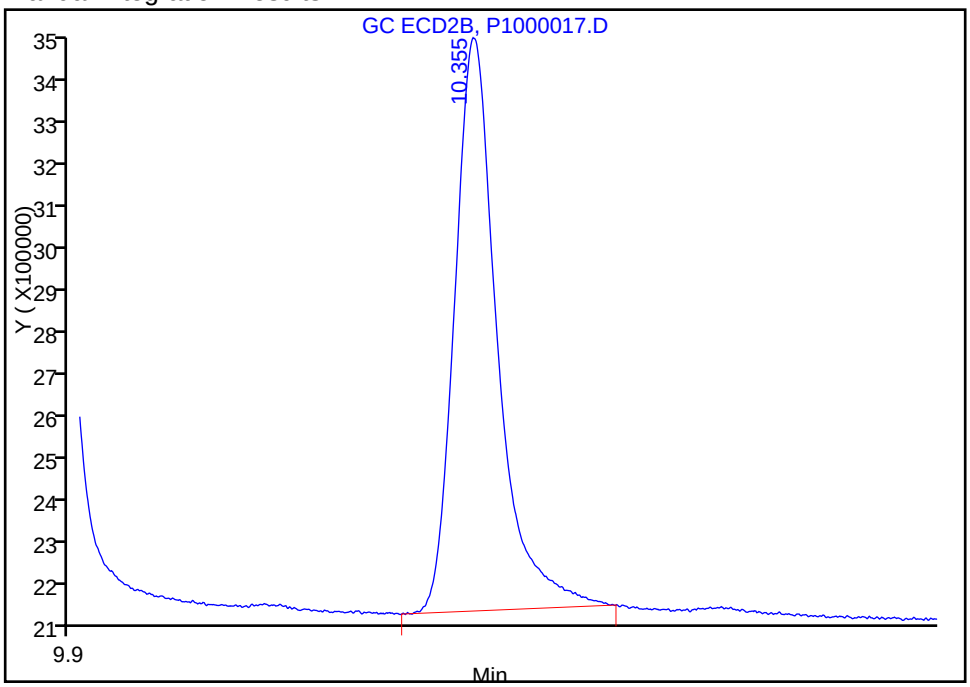
Processing Integration Results

Not Detected
Expected RT: 10.35



Manual Integration Results

RT: 10.35
Response: 1257430
Amount: 0.005183



Reviewer: bolgrind, 26-Dec-2012 15:16:48
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69890/46

Matrix: Solid | Lab File ID: P1000046.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/23/2012 04:43

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	*2,4-D*	*0.0243*		*0.0040*	0.00050	*0.00041*
75-99-0	*Dalapon*	*0.0119*		*0.0020*	0.00020	*0.00017*
94-82-6	*2,4-DB*	*0.0230*		*0.0040*	0.0010	*0.00069*
1918-00-9	*Dicamba*	*0.0130*		*0.0020*	0.0010	*0.00052*
120-36-5	*Dichlorprop*	*0.0275*	^	*0.0040*	0.0010	*0.00086*
88-85-7	*Dinoseb*	*0.00384*		*0.00060*	0.00020	*0.000087*
94-74-6	*MCPA*	*1.46*		*0.40*	0.40	*0.39*
93-65-2	*MCPP*	*1.47*		*0.40*	0.40	*0.40*
87-86-5	*Pentachlorophenol*	*0.000040*	*U*	*0.00010*	0.000040	*0.000024*
93-72-1	*Silvex (2,4,5-TP)*	*0.00583*		*0.0010*	0.00020	*0.00020*
93-76-5	*2,4,5-T*	*0.00551*		*0.0010*	0.00050	*0.00030*

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	136	*Q*	19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000046.D
Lims ID: MRL Client ID:
Inject. Date: 23-Dec-2012 04:43:38 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016119-046
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 46
Lims Batch ID: 69890 Lims Sample ID: 46
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind Date: 24-Dec-2012 15:40:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.237	1.236	0.001	5446755	0.0119	
2	1.370	1.371	-0.001	1846099	0.0127	
					RPD = 6.49	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.965	6.963	0.002	4051189	0.0272	
2	7.608	7.606	0.002	1651406	0.0266	
					RPD = 2.14	
6 Dicamba						
1	7.131	7.129	0.002	8054403	0.0130	
2	7.774	7.773	0.001	3198782	0.0125	
					RPD = 4.12	
10 MCPP						
1	7.416	7.413	0.003	2007568	1.47	
2	7.961	7.960	0.001	785492	1.52	
					RPD = 3.81	
9 MCPA						
1	7.578	7.576	0.002	2929990	1.46	
2	8.210	8.210	0.000	1177186	1.56	
					RPD = 6.46	
7 Dichlorprop						
1	7.949	7.946	0.003	3809521	0.0275	
2	8.569	8.569	0.000	1464058	0.0278	
					RPD = 0.92	
2 2,4-D						
1	8.191	8.184	0.007	3655181	0.0243	
2	8.927	8.924	0.003	1515527	0.0244	
					RPD = 0.66	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						1
1		8.273				
2		9.217				
12 Silvex (2,4,5-TP)						
1	9.062	9.058	0.004	4453611	0.005834	
2	9.860	9.859	0.001	1695990	0.005974	
					RPD = 2.38	
1 2,4,5-T						
1	9.379	9.373	0.006	3380189	0.005507	
2	10.339	10.336	0.003	1439676	0.005934	
					RPD = 7.46	
3 2,4-DB						
1	10.008	10.001	0.007	1471178	0.0230	
2	10.989	10.987	0.002	641355	0.0241	
					RPD = 4.67	
8 Dinoseb						
1	11.212	11.207	0.005	1941800	0.003839	
2	11.363	11.361	0.002	717821	0.003712	
					RPD = 3.35	

QC Flag Legend

Processing Flags
1 - Missing Peaks

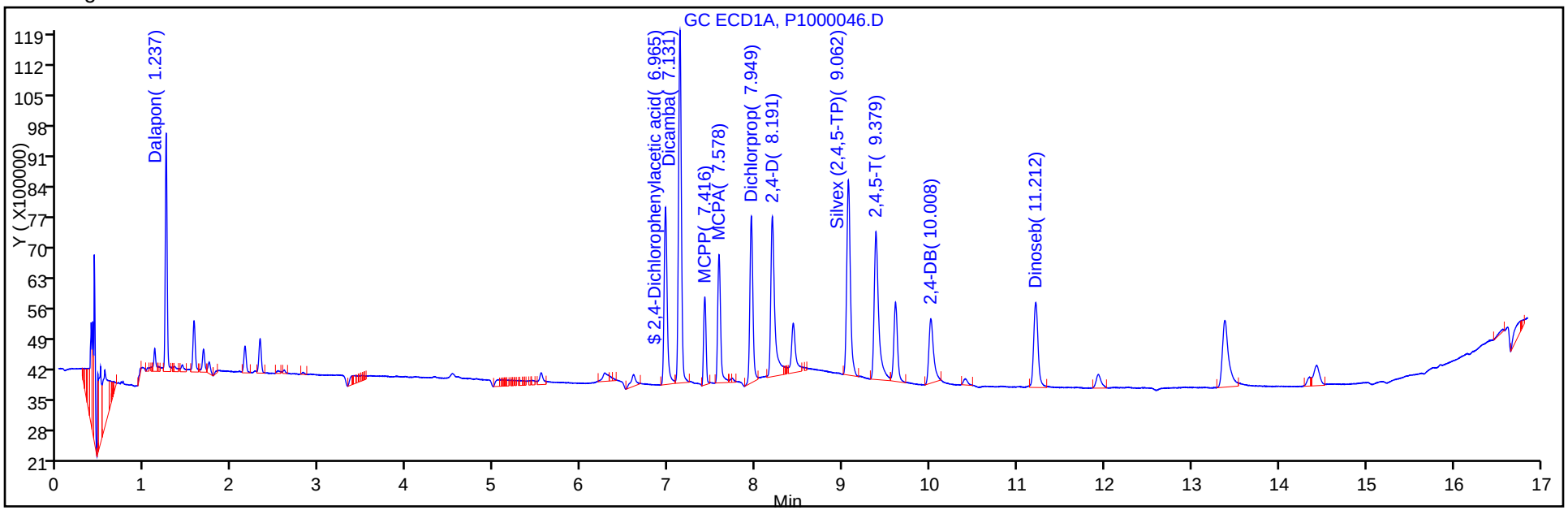
Report Date: 26-Dec-2012 15:31:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

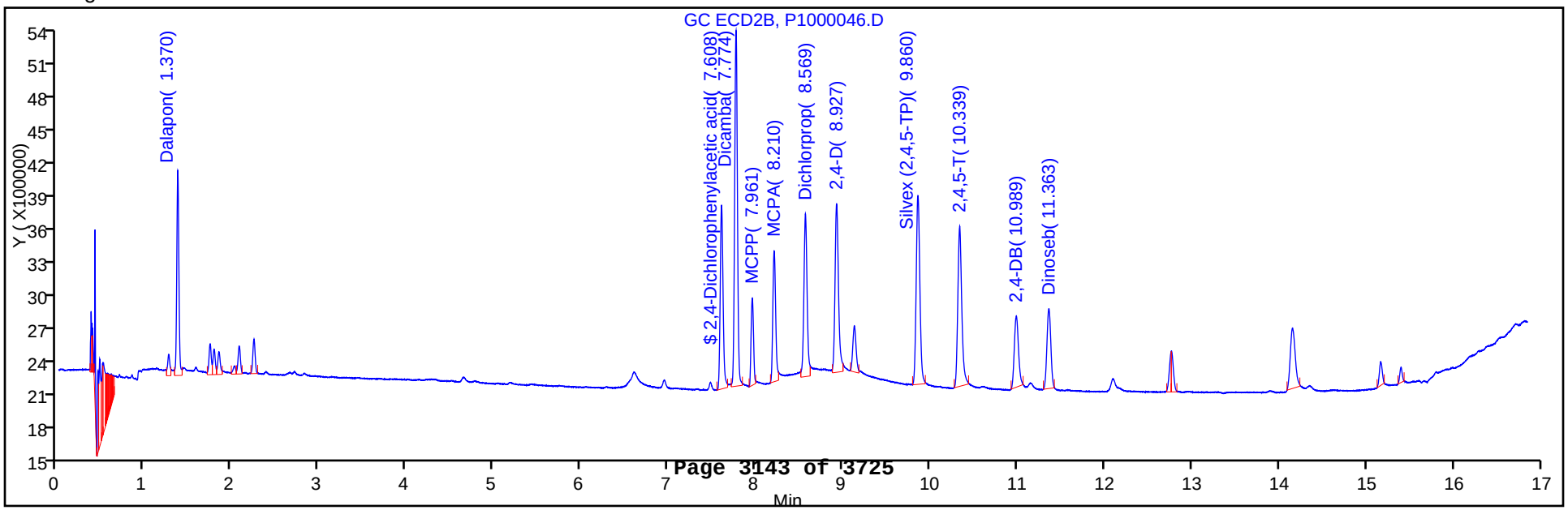
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000046.D

Injection Date:	23-Dec-2012 04:43:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	46
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-69890/46

Matrix: Solid | Lab File ID: P1000046.D

Analysis Method: 8151/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/23/2012 04:43

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0244		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0127		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0241		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0125		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0278	^	0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00371		0.00060	0.00020	0.000087
94-74-6	MCPA	1.56		0.40	0.40	0.39
93-65-2	MCPP	1.52		0.40	0.40	0.40
87-86-5	Pentachlorophenol	0.000040	U	0.00010	0.000040	0.000024
93-72-1	Silvex (2,4,5-TP)	0.00597		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00593		0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	133	Q	19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000046.D
Lims ID: MRL Client ID:
Inject. Date: 23-Dec-2012 04:43:38 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0016119-046
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 46
Lims Batch ID: 69890 Lims Sample ID: 46
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:41 Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind Date: 24-Dec-2012 15:40:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.237	1.236	0.001	5446755	0.0119	
2	1.370	1.371	-0.001	1846099	0.0127	
					RPD = 6.49	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.965	6.963	0.002	4051189	0.0272	
2	7.608	7.606	0.002	1651406	0.0266	
					RPD = 2.14	
6 Dicamba						
1	7.131	7.129	0.002	8054403	0.0130	
2	7.774	7.773	0.001	3198782	0.0125	
					RPD = 4.12	
10 MCPP						
1	7.416	7.413	0.003	2007568	1.47	
2	7.961	7.960	0.001	785492	1.52	
					RPD = 3.81	
9 MCPA						
1	7.578	7.576	0.002	2929990	1.46	
2	8.210	8.210	0.000	1177186	1.56	
					RPD = 6.46	
7 Dichlorprop						
1	7.949	7.946	0.003	3809521	0.0275	
2	8.569	8.569	0.000	1464058	0.0278	
					RPD = 0.92	
2 2,4-D						
1	8.191	8.184	0.007	3655181	0.0243	
2	8.927	8.924	0.003	1515527	0.0244	
					RPD = 0.66	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						1
1		8.273				
2		9.217				
12 Silvex (2,4,5-TP)						
1	9.062	9.058	0.004	4453611	0.005834	
2	9.860	9.859	0.001	1695990	0.005974	
					RPD = 2.38	
1 2,4,5-T						
1	9.379	9.373	0.006	3380189	0.005507	
2	10.339	10.336	0.003	1439676	0.005934	
					RPD = 7.46	
3 2,4-DB						
1	10.008	10.001	0.007	1471178	0.0230	
2	10.989	10.987	0.002	641355	0.0241	
					RPD = 4.67	
8 Dinoseb						
1	11.212	11.207	0.005	1941800	0.003839	
2	11.363	11.361	0.002	717821	0.003712	
					RPD = 3.35	

QC Flag Legend

Processing Flags
1 - Missing Peaks

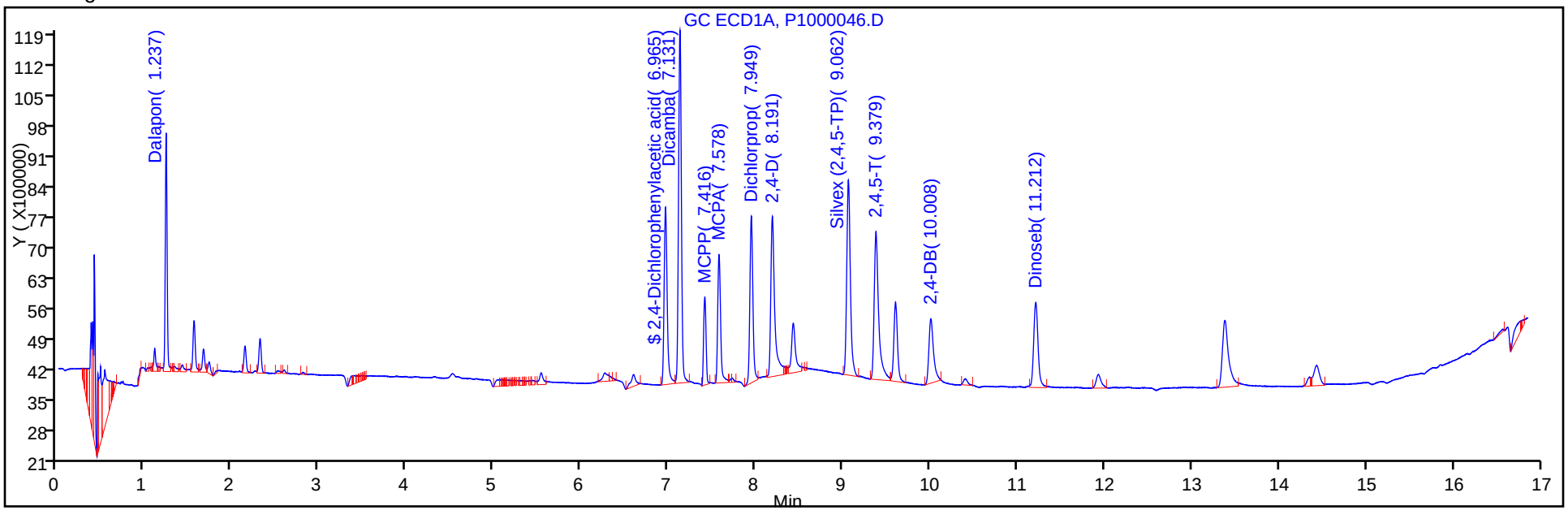
Report Date: 26-Dec-2012 15:31:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

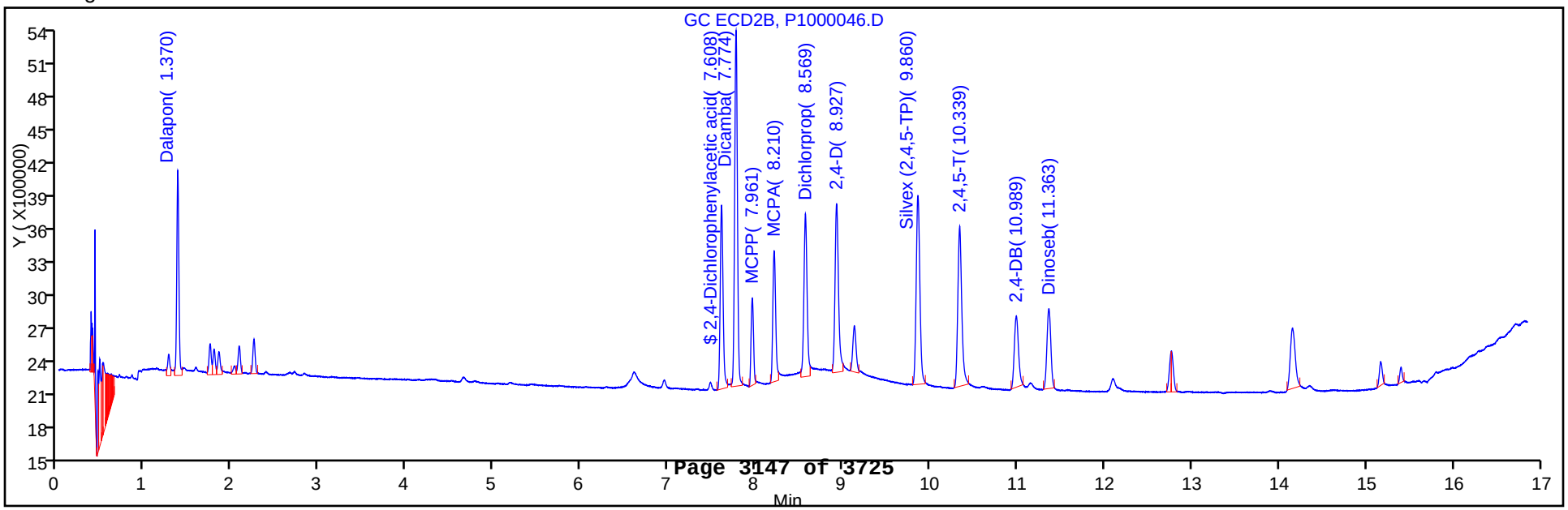
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000046.D

Injection Date:	23-Dec-2012 04:43:38	Limit Group:	GC 8151 DOD
Client ID:		Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	46
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MS Lab Sample ID: 240-18581-3 MS

Matrix: Solid Lab File ID: P1000022.D

Analysis Method: 8151/DOD Date Collected: 12/07/2012 11:15

Extraction Method: 8151A Date Extracted: 12/18/2012 11:08

Sample wt/vol: 29.95(g) Date Analyzed: 12/22/2012 19:19

Con. Extract Vol.: 100(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	67		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000022.D		
Lims ID:	240-18581-L-3-E MS	Client ID:	070SB-044M-0002-SO
Inject. Date:	22-Dec-2012 19:19:02	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	240-0016119-022		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	69890	Lims Sample ID:	22
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

First Level Reviewer: bolgrind Date: 24-Dec-2012 10:09:21

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.234	1.233	0.001	22905829	0.0501	
2	1.379	1.378	0.001	7888425	0.0543	
					RPD = 8.08	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.958	6.958	0.000	20084215	0.1347	
2	7.619	7.617	0.002	8313680	0.1339	
					RPD = 0.60	
6 Dicamba						
1	7.124	7.125	-0.001	41753827	0.0676	
2	7.785	7.784	0.001	17627773	0.0689	
					RPD = 1.99	
10 MCPP						
1	7.409	7.410	-0.001	8578294	14.5	
2	7.973	7.968	0.005	3184965	12.6	
					RPD = 14.22	
9 MCPA						
1	7.565	7.572	-0.007	13382245	18.6	
2	8.223	8.221	0.002	4429543	14.0	
					RPD = 28.02	
7 Dichlorprop						
1	7.941	7.943	-0.002	24274480	0.1753	
2	8.583	8.580	0.003	9615953	0.1824	
					RPD = 3.94	
2 2,4-D						
1	8.177	8.182	-0.005	24837079	0.1650	
2	8.938	8.937	0.001	9502723	0.1533	
					RPD = 7.37	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.266	8.269	-0.003	41729312	0.0243	
2	9.233	9.231	0.002	15287405	0.0207	
					RPD = 15.75	
12 Silvex (2,4,5-TP)						
1	9.050	9.054	-0.004	27315154	0.0358	
2	9.876	9.873	0.003	10069600	0.0355	
					RPD = 0.87	
1 2,4,5-T						
1	9.363	9.369	-0.006	23147061	0.0377	
2	10.353	10.352	0.001	9002200	0.0371	
					RPD = 1.62	
3 2,4-DB						
1	9.969	9.998	-0.029	31153108	0.4880	
2	10.999	11.002	-0.003	3698287	0.1392	
					RPD = 111.20	
8 Dinoseb						
1	11.199	11.202	-0.003	6214763	0.0123	
2	11.382	11.378	0.004	2561042	0.0132	
					RPD = 7.51	

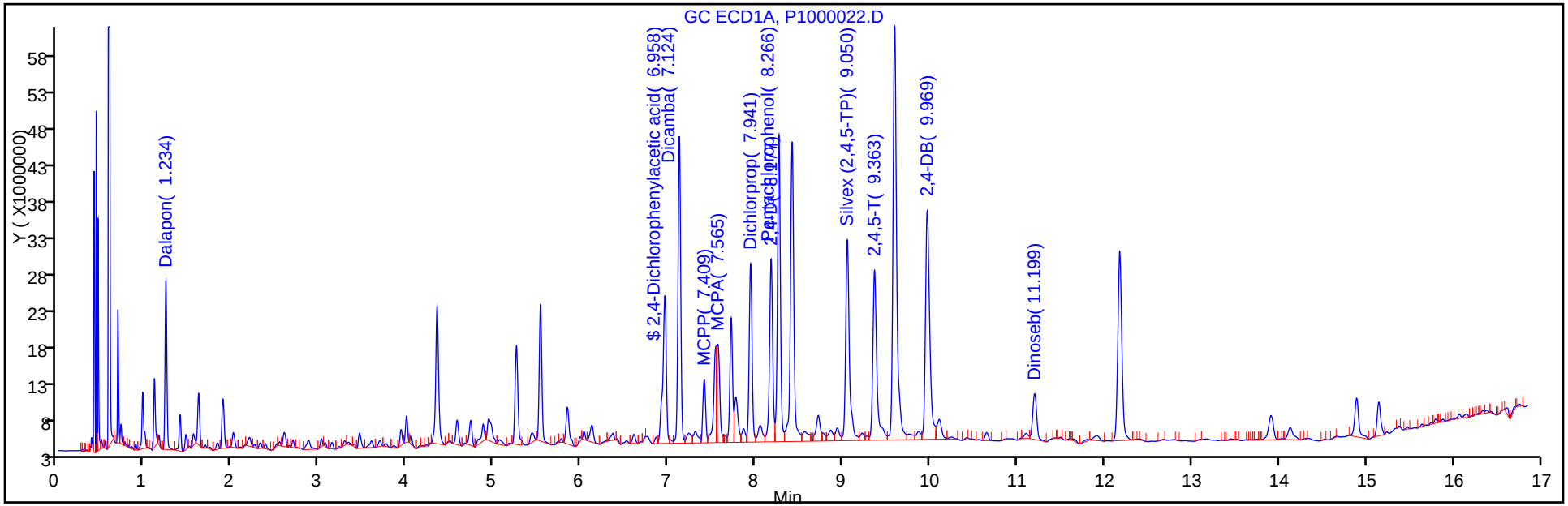
Report Date: 26-Dec-2012 15:31:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

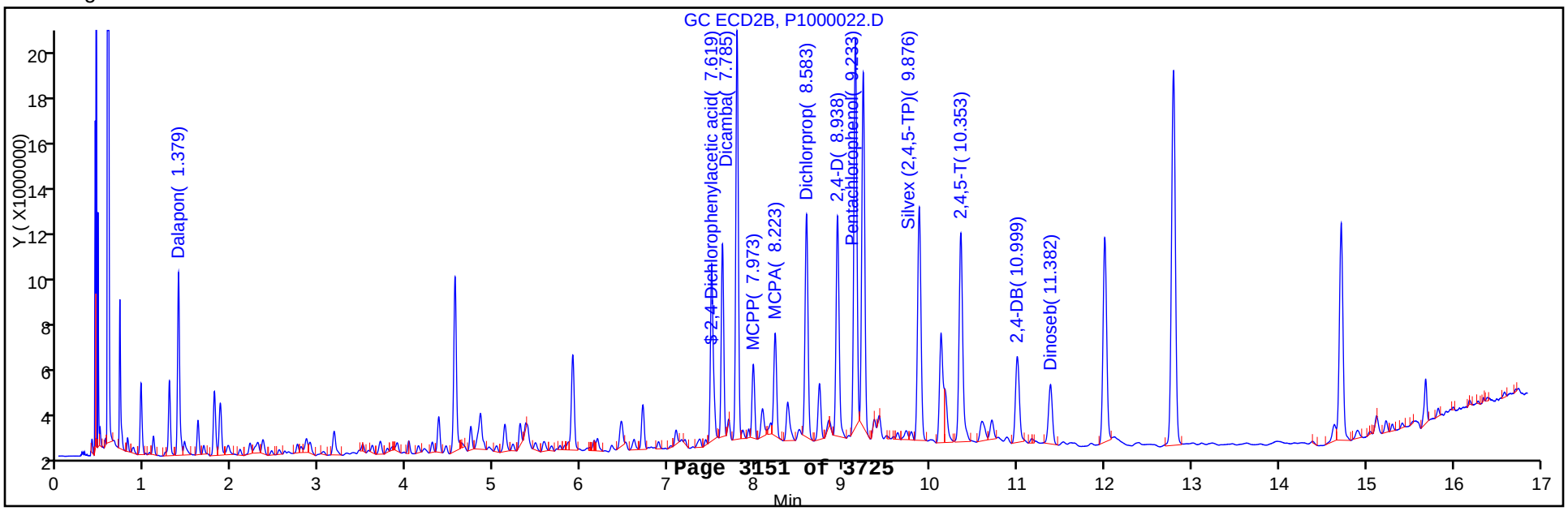
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000022.D

Injection Date:	22-Dec-2012 19:19:02	Limit Group:	GC 8151 DOD
Client ID:	070SB-044M-0002-SO	Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	22
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MS | Lab Sample ID: 240-18581-3 MS

Matrix: Solid | Lab File ID: P1000022.D

Analysis Method: 8151/DOD | Date Collected: 12/07/2012 11:15

Extraction Method: 8151A | Date Extracted: 12/18/2012 11:08

Sample wt/vol: 29.95(g) | Date Analyzed: 12/22/2012 19:19

Con. Extract Vol.: 100(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	512		80	33	19
75-99-0	Dalapon	181		40	17	7.8
94-82-6	2,4-DB	465		80	33	22
1918-00-9	Dicamba	230		40	17	8.1
120-36-5	Dichlorprop	609		80	67	37
88-85-7	Dinoseb	44.2		12	10	10
94-74-6	MCPA	46900		8000	3300	1700
93-65-2	MCPP	42000		8000	3300	1500
87-86-5	Pentachlorophenol	69.2		10	8.3	4.3
93-72-1	Silvex (2,4,5-TP)	118		20	8.3	4.1
93-76-5	2,4,5-T	124		20	8.3	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	67		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000022.D		
Lims ID:	240-18581-L-3-E MS	Client ID:	070SB-044M-0002-SO
Inject. Date:	22-Dec-2012 19:19:02	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	240-0016119-022		
Misc. Info.:			
Operator:	001754	Instrument ID:	A2HP1
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	69890	Lims Sample ID:	22
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m		
Last Update:	26-Dec-2012 15:31:16	Calib Date:	03-Dec-2012 19:52:08
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D		
Limit Group:	GC 8151 DOD		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

First Level Reviewer: bolgrind Date: 24-Dec-2012 10:09:21

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.234	1.233	0.001	22905829	0.0501	
2	1.379	1.378	0.001	7888425	0.0543	
					RPD = 8.08	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.958	6.958	0.000	20084215	0.1347	
2	7.619	7.617	0.002	8313680	0.1339	
					RPD = 0.60	
6 Dicamba						
1	7.124	7.125	-0.001	41753827	0.0676	
2	7.785	7.784	0.001	17627773	0.0689	
					RPD = 1.99	
10 MCPP						
1	7.409	7.410	-0.001	8578294	14.5	
2	7.973	7.968	0.005	3184965	12.6	
					RPD = 14.22	
9 MCPA						
1	7.565	7.572	-0.007	13382245	18.6	
2	8.223	8.221	0.002	4429543	14.0	
					RPD = 28.02	
7 Dichlorprop						
1	7.941	7.943	-0.002	24274480	0.1753	
2	8.583	8.580	0.003	9615953	0.1824	
					RPD = 3.94	
2 2,4-D						
1	8.177	8.182	-0.005	24837079	0.1650	
2	8.938	8.937	0.001	9502723	0.1533	
					RPD = 7.37	

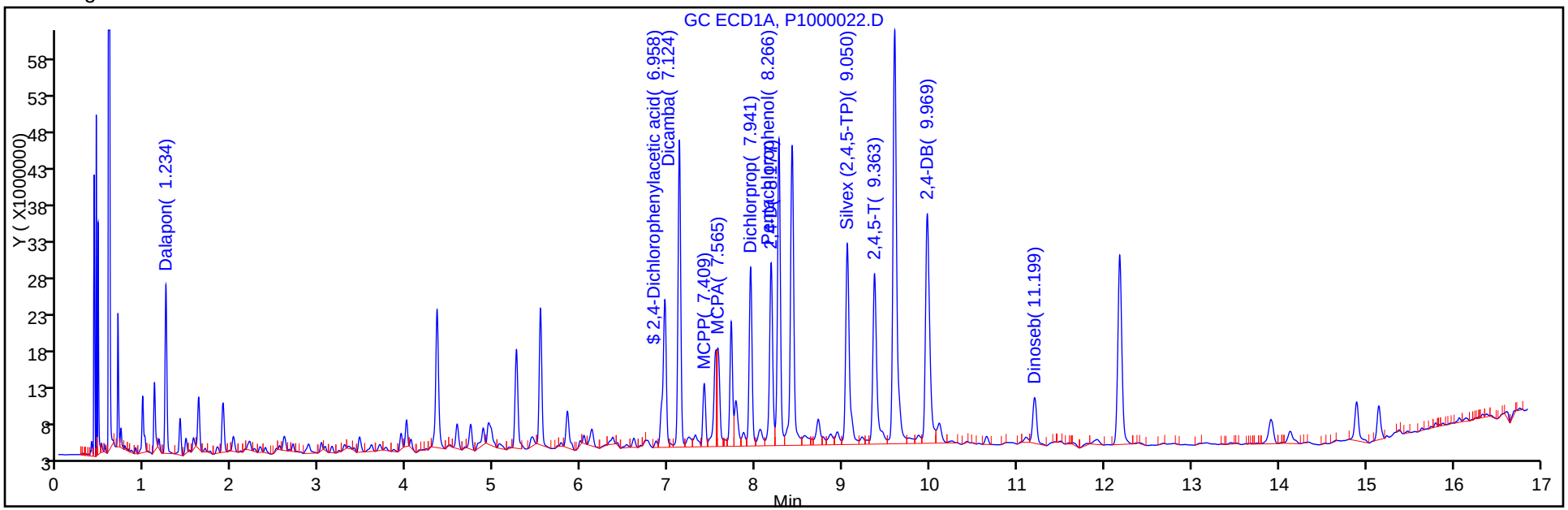
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.266	8.269	-0.003	41729312	0.0243	
2	9.233	9.231	0.002	15287405	0.0207	
					RPD = 15.75	
12 Silvex (2,4,5-TP)						
1	9.050	9.054	-0.004	27315154	0.0358	
2	9.876	9.873	0.003	10069600	0.0355	
					RPD = 0.87	
1 2,4,5-T						
1	9.363	9.369	-0.006	23147061	0.0377	
2	10.353	10.352	0.001	9002200	0.0371	
					RPD = 1.62	
3 2,4-DB						
1	9.969	9.998	-0.029	31153108	0.4880	
2	10.999	11.002	-0.003	3698287	0.1392	
					RPD = 111.20	
8 Dinoseb						
1	11.199	11.202	-0.003	6214763	0.0123	
2	11.382	11.378	0.004	2561042	0.0132	
					RPD = 7.51	

Report Date: 26-Dec-2012 15:31:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

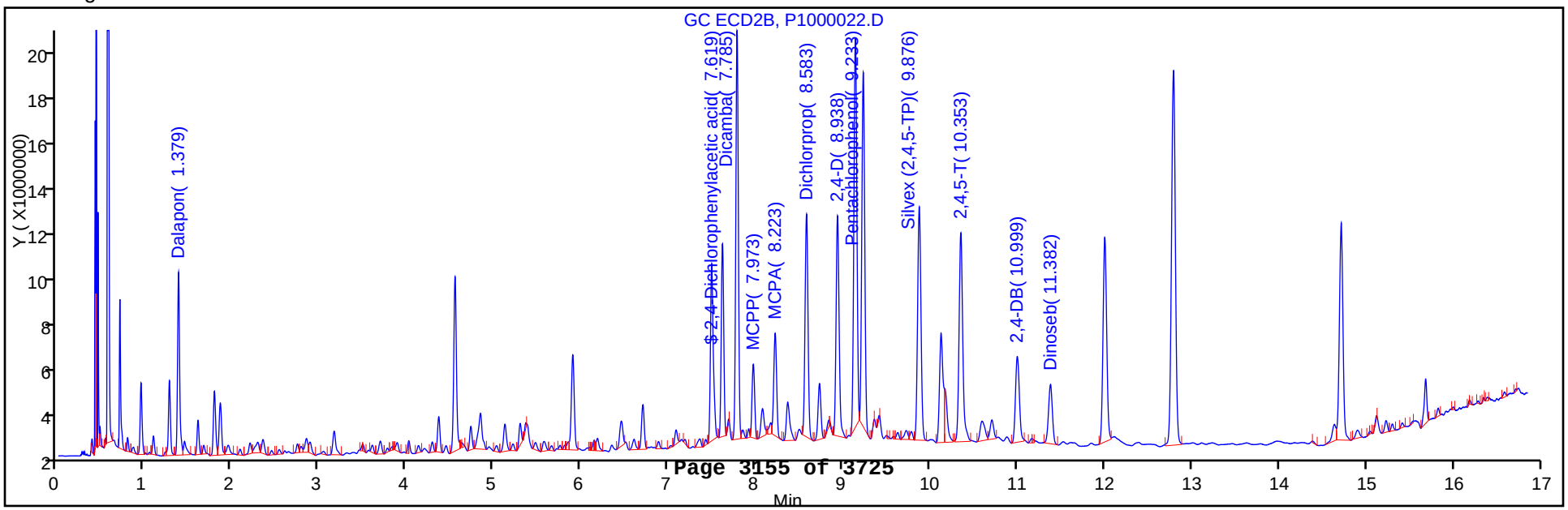
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000022.D		
Injection Date:	22-Dec-2012 19:19:02	Limit Group:	GC 8151 DOD
Client ID:	070SB-044M-0002-SO	Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	22
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MSD Lab Sample ID: 240-18581-3 MSD

Matrix: Solid Lab File ID: P1000023.D

Analysis Method: 8151/DOD Date Collected: 12/07/2012 11:15

Extraction Method: 8151A Date Extracted: 12/18/2012 11:08

Sample wt/vol: 30.19(g) Date Analyzed: 12/22/2012 19:42

Con. Extract Vol.: 100(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	64		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000023.D
Lims ID: 240-18581-L-3-F MSD
Client ID: 070SB-044M-0002-SO
Inject. Date: 22-Dec-2012 19:42:31
Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0016119-023
Misc. Info.:
Operator: 001754
Instrument ID: A2HP1
Injection Vol: 1.0 ul
ALS Bottle#: 23
Lims Batch ID: 69890
Lims Sample ID: 23
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:16
Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind
Date: 24-Dec-2012 10:09:35

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.235	1.233	0.002	22844029	0.0499	
2	1.381	1.378	0.003	7559607	0.0520	
					RPD = 4.10	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.958	6.958	0.000	19135843	0.1284	
2	7.621	7.617	0.004	8049105	0.1297	
					RPD = 1.00	
6 Dicamba						
1	7.124	7.125	-0.001	38138171	0.0617	
2	7.788	7.784	0.004	16295908	0.0637	
					RPD = 3.19	
10 MCPP						
1	7.411	7.410	0.001	7903577	13.1	
2	7.974	7.968	0.006	3141300	12.4	
					RPD = 5.77	
9 MCPA						
1	7.570	7.572	-0.002	11821889	15.9	
2	8.224	8.221	0.003	4329058	13.7	
					RPD = 15.29	
7 Dichlorprop						
1	7.942	7.943	-0.001	22271692	0.1609	
2	8.584	8.580	0.004	8976482	0.1703	
					RPD = 5.67	
2 2,4-D						
1	8.178	8.182	-0.004	22507012	0.1495	
2	8.941	8.937	0.004	8848307	0.1427	
					RPD = 4.66	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.267	8.269	-0.002	38093128	0.0220	
2	9.235	9.231	0.004	14403839	0.0195	
					RPD = 12.34	
12 Silvex (2,4,5-TP)						
1	9.051	9.054	-0.003	24524690	0.0321	
2	9.878	9.873	0.005	9290649	0.0327	
					RPD = 1.85	
1 2,4,5-T						
1	9.364	9.369	-0.005	21164555	0.0345	
2	10.354	10.352	0.002	8327865	0.0343	
					RPD = 0.45	
3 2,4-DB						
1	9.967	9.998	-0.031	27918975	0.4373	
2	11.003	11.002	0.001	3573479	0.1345	
					RPD = 105.90	
8 Dinoseb						
1	11.201	11.202	-0.001	5261306	0.0104	
2	11.382	11.378	0.004	2036957	0.0105	
					RPD = 1.27	

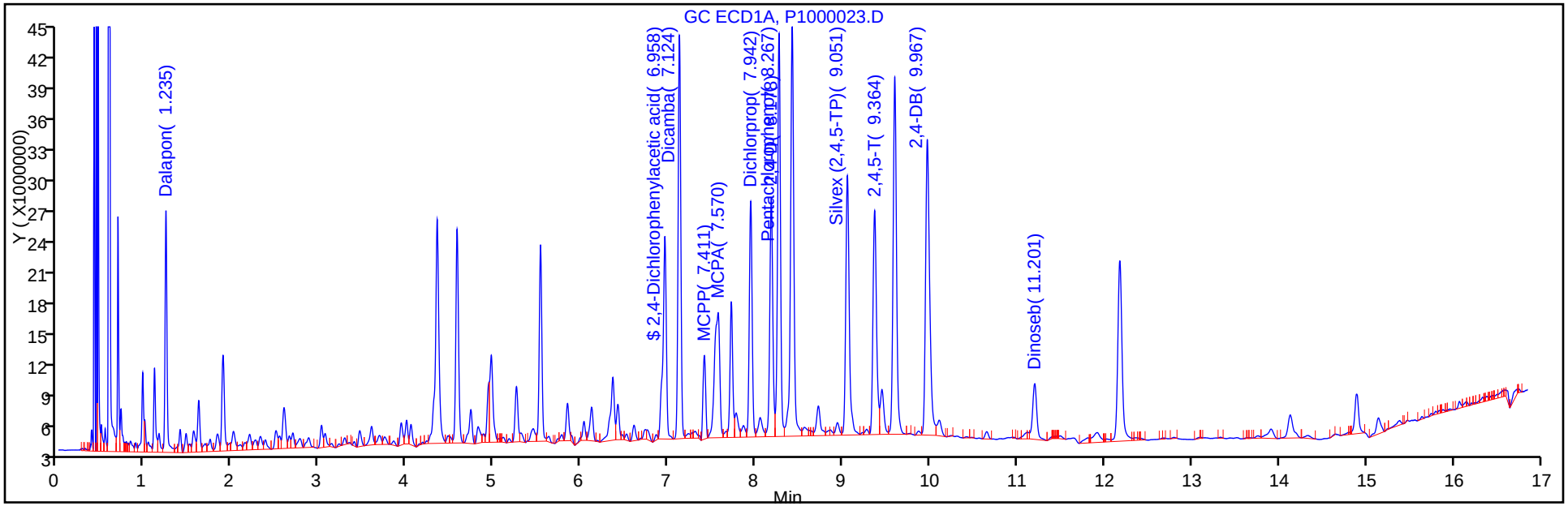
Report Date: 26-Dec-2012 15:31:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

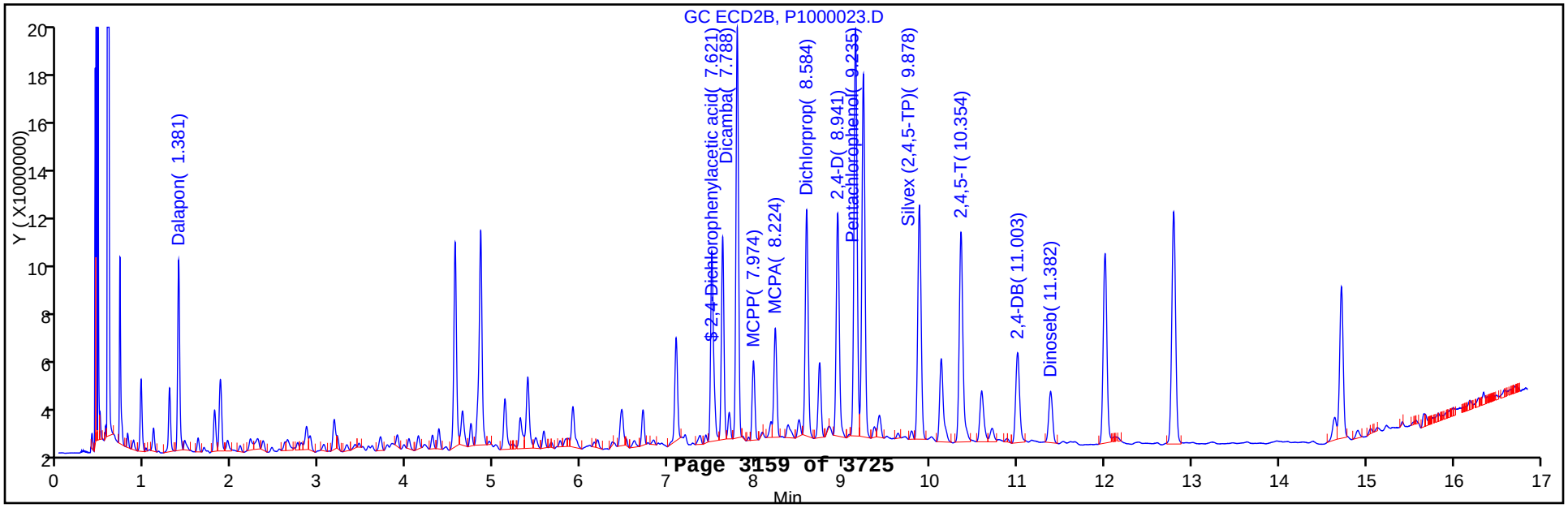
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000023.D

Injection Date:	22-Dec-2012 19:42:31	Limit Group:	GC 8151 DOD
Client ID:	070SB-044M-0002-SO	Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	23
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO MSD | Lab Sample ID: 240-18581-3 MSD

Matrix: Solid | Lab File ID: P1000023.D

Analysis Method: 8151/DOD | Date Collected: 12/07/2012 11:15

Extraction Method: 8151A | Date Extracted: 12/18/2012 11:08

Sample wt/vol: 30.19(g) | Date Analyzed: 12/22/2012 19:42

Con. Extract Vol.: 100(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 69890 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	473		79	33	19
75-99-0	Dalapon	172		40	17	7.8
94-82-6	2,4-DB	446		79	33	21
1918-00-9	Dicamba	211		40	17	8.0
120-36-5	Dichlorprop	564		79	66	36
88-85-7	Dinoseb	34.9		12	9.9	9.9
94-74-6	MCPA	45200		7900	3300	1600
93-65-2	MCPP	41000		7900	3300	1500
87-86-5	Pentachlorophenol	64.5		9.9	8.3	4.3
93-72-1	Silvex (2,4,5-TP)	108		20	8.3	4.1
93-76-5	2,4,5-T	114		20	8.3	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	65		19-122

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000023.D
Lims ID: 240-18581-L-3-F MSD
Client ID: 070SB-044M-0002-SO
Inject. Date: 22-Dec-2012 19:42:31
Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0016119-023
Misc. Info.:
Operator: 001754
Instrument ID: A2HP1
Injection Vol: 1.0 ul
ALS Bottle#: 23
Lims Batch ID: 69890
Lims Sample ID: 23
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP1\20121222-16119.b\8151_1.m
Last Update: 26-Dec-2012 15:31:16
Calib Date: 03-Dec-2012 19:52:08
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20121203-15481.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK028

First Level Reviewer: bolgrind
Date: 24-Dec-2012 10:09:35

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
5 Dalapon						
1	1.235	1.233	0.002	22844029	0.0499	
2	1.381	1.378	0.003	7559607	0.0520	
					RPD = 4.10	
$ 4 2,4-Dichlorophenylacetic acid						
1	6.958	6.958	0.000	19135843	0.1284	
2	7.621	7.617	0.004	8049105	0.1297	
					RPD = 1.00	
6 Dicamba						
1	7.124	7.125	-0.001	38138171	0.0617	
2	7.788	7.784	0.004	16295908	0.0637	
					RPD = 3.19	
10 MCPP						
1	7.411	7.410	0.001	7903577	13.1	
2	7.974	7.968	0.006	3141300	12.4	
					RPD = 5.77	
9 MCPA						
1	7.570	7.572	-0.002	11821889	15.9	
2	8.224	8.221	0.003	4329058	13.7	
					RPD = 15.29	
7 Dichlorprop						
1	7.942	7.943	-0.001	22271692	0.1609	
2	8.584	8.580	0.004	8976482	0.1703	
					RPD = 5.67	
2 2,4-D						
1	8.178	8.182	-0.004	22507012	0.1495	
2	8.941	8.937	0.004	8848307	0.1427	
					RPD = 4.66	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
11 Pentachlorophenol						
1	8.267	8.269	-0.002	38093128	0.0220	
2	9.235	9.231	0.004	14403839	0.0195	
					RPD = 12.34	
12 Silvex (2,4,5-TP)						
1	9.051	9.054	-0.003	24524690	0.0321	
2	9.878	9.873	0.005	9290649	0.0327	
					RPD = 1.85	
1 2,4,5-T						
1	9.364	9.369	-0.005	21164555	0.0345	
2	10.354	10.352	0.002	8327865	0.0343	
					RPD = 0.45	
3 2,4-DB						
1	9.967	9.998	-0.031	27918975	0.4373	
2	11.003	11.002	0.001	3573479	0.1345	
					RPD = 105.90	
8 Dinoseb						
1	11.201	11.202	-0.001	5261306	0.0104	
2	11.382	11.378	0.004	2036957	0.0105	
					RPD = 1.27	

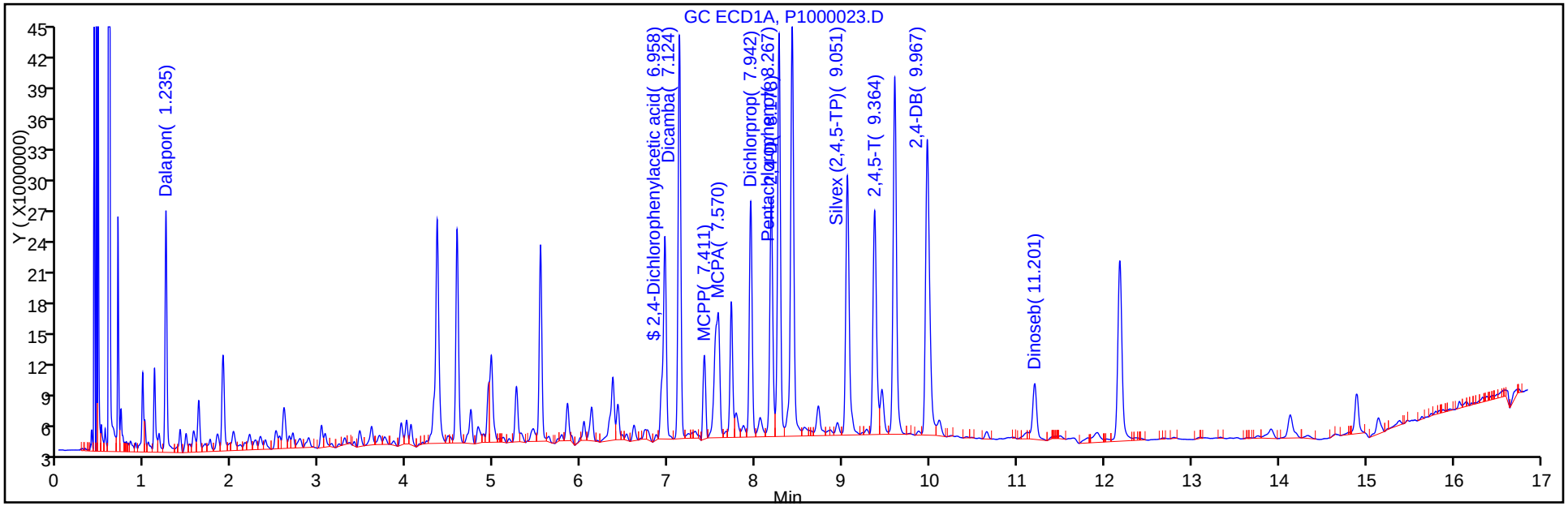
Report Date: 26-Dec-2012 15:31:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

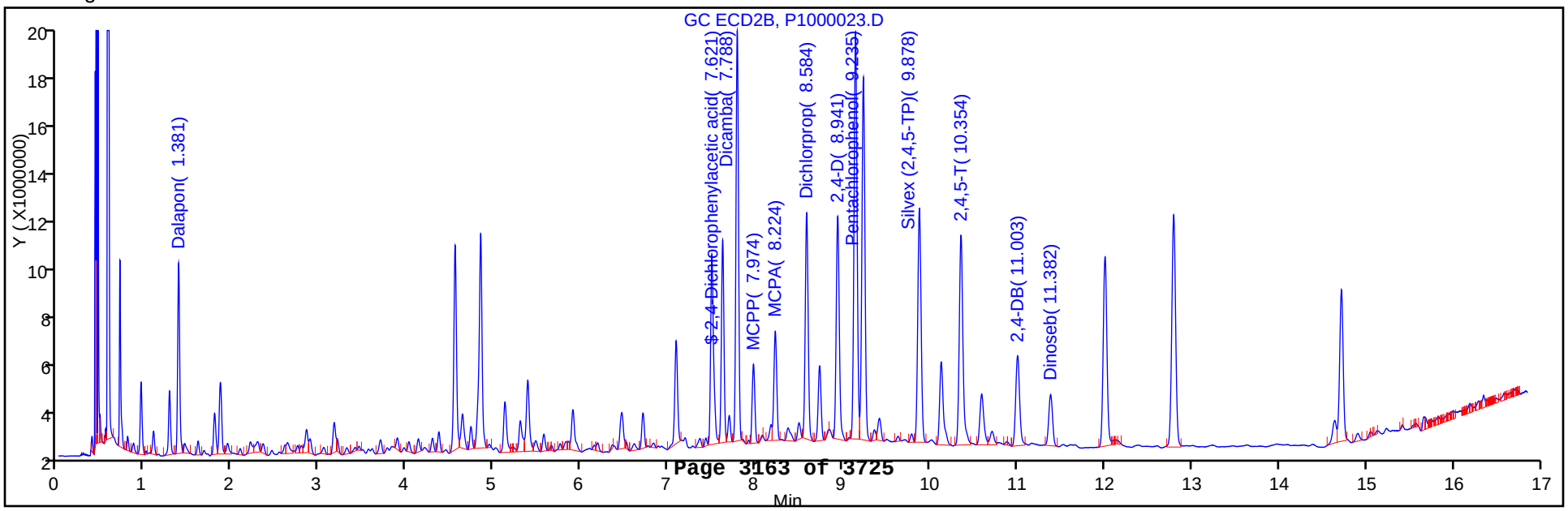
Data File: \\NCChrom\ChromData\A2HP1\20121222-16119.b\P1000023.D

Injection Date:	22-Dec-2012 19:42:31	Limit Group:	GC 8151 DOD
Client ID:	070SB-044M-0002-SO	Instrument ID:	A2HP1
Lims Batch ID:	69890	Lims Sample ID:	23
Operator ID:	001754	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP1 Start Date: 09/18/2012 10:33

Analysis Batch Number: 58097 End Date: 09/18/2012 15:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 240-58097/3 IC		09/18/2012 10:33	1		CLP-1 0.53(mm)
STD 240-58097/3 IC		09/18/2012 10:33	1		CLP-2 0.53(mm)
STD 240-58097/4 IC		09/18/2012 10:57	1		CLP-1 0.53(mm)
STD 240-58097/4 IC		09/18/2012 10:57	1		CLP-2 0.53(mm)
STD 240-58097/5 ICRT		09/18/2012 11:20	1		CLP-1 0.53(mm)
STD 240-58097/5 ICRT		09/18/2012 11:20	1		CLP-2 0.53(mm)
STD 240-58097/6 IC		09/18/2012 11:44	1		CLP-1 0.53(mm)
STD 240-58097/6 IC		09/18/2012 11:44	1		CLP-2 0.53(mm)
STD 240-58097/7 IC		09/18/2012 12:08	1		CLP-1 0.53(mm)
STD 240-58097/7 IC		09/18/2012 12:08	1		CLP-2 0.53(mm)
STD 240-58097/8 IC		09/18/2012 12:31	1		CLP-1 0.53(mm)
STD 240-58097/8 IC		09/18/2012 12:31	1		CLP-2 0.53(mm)
ICV 240-58097/9		09/18/2012 12:55	1		CLP-1 0.53(mm)
ICV 240-58097/9		09/18/2012 12:55	1		CLP-2 0.53(mm)
STD 240-58097/10 IC		09/18/2012 13:18	1	P1000010.D	CLP-1 0.53(mm)
STD 240-58097/10 IC		09/18/2012 13:18	1	P1000010.D	CLP-2 0.53(mm)
STD 240-58097/11 IC		09/18/2012 13:42	1	P1000011.D	CLP-1 0.53(mm)
STD 240-58097/11 IC		09/18/2012 13:42	1	P1000011.D	CLP-2 0.53(mm)
STD 240-58097/12 IC		09/18/2012 14:06	1	P1000012.D	CLP-1 0.53(mm)
STD 240-58097/12 IC		09/18/2012 14:06	1	P1000012.D	CLP-2 0.53(mm)
STD 240-58097/13 IC		09/18/2012 14:29	1	P1000013.D	CLP-1 0.53(mm)
STD 240-58097/13 IC		09/18/2012 14:29	1	P1000013.D	CLP-2 0.53(mm)
STD 240-58097/14 IC		09/18/2012 14:53	1	P1000014.D	CLP-1 0.53(mm)
STD 240-58097/14 IC		09/18/2012 14:53	1	P1000014.D	CLP-2 0.53(mm)
STD 240-58097/15 IC		09/18/2012 15:16	1	P1000015.D	CLP-1 0.53(mm)
STD 240-58097/15 IC		09/18/2012 15:16	1	P1000015.D	CLP-2 0.53(mm)
ICV 240-58097/16		09/18/2012 15:40	1	P1000016.D	CLP-1 0.53(mm)
ICV 240-58097/16		09/18/2012 15:40	1	P1000016.D	CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP1 Start Date: 12/03/2012 17:53

Analysis Batch Number: 67147 End Date: 12/04/2012 04:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 240-67147/6 IC		12/03/2012 17:53	1	P1000006.D	CLP-1 0.53(mm)
STD 240-67147/6 IC		12/03/2012 17:53	1	P1000006.D	CLP-2 0.53(mm)
STD 240-67147/7 IC		12/03/2012 18:17	1	P1000007.D	CLP-1 0.53(mm)
STD 240-67147/7 IC		12/03/2012 18:17	1	P1000007.D	CLP-2 0.53(mm)
STD 240-67147/8 ICRT		12/03/2012 18:41	1	P1000008.D	CLP-1 0.53(mm)
STD 240-67147/8 ICRT		12/03/2012 18:41	1	P1000008.D	CLP-2 0.53(mm)
STD 240-67147/9 IC		12/03/2012 19:04	1	P1000009.D	CLP-1 0.53(mm)
STD 240-67147/9 IC		12/03/2012 19:04	1	P1000009.D	CLP-2 0.53(mm)
STD 240-67147/10 IC		12/03/2012 19:28	1	P1000010.D	CLP-1 0.53(mm)
STD 240-67147/10 IC		12/03/2012 19:28	1	P1000010.D	CLP-2 0.53(mm)
STD 240-67147/11 IC		12/03/2012 19:52	1	P1000011.D	CLP-1 0.53(mm)
STD 240-67147/11 IC		12/03/2012 19:52	1	P1000011.D	CLP-2 0.53(mm)
ICV 240-67147/12		12/03/2012 20:15	1	P1000012.D	CLP-1 0.53(mm)
ICV 240-67147/12		12/03/2012 20:15	1	P1000012.D	CLP-2 0.53(mm)
CCV 240-67147/13		12/03/2012 20:39	1		CLP-1 0.53(mm)
CCV 240-67147/13		12/03/2012 20:39	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 21:03	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 21:03	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 21:26	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 21:26	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 21:50	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 21:50	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 22:14	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 22:14	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 22:38	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 22:38	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 23:01	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 23:01	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 23:25	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 23:25	1		CLP-2 0.53(mm)
ZZZZZ		12/03/2012 23:49	1		CLP-1 0.53(mm)
ZZZZZ		12/03/2012 23:49	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 00:12	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 00:12	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 00:36	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 00:36	1		CLP-2 0.53(mm)
CCV 240-67147/24		12/04/2012 01:00	1		CLP-1 0.53(mm)
CCV 240-67147/24		12/04/2012 01:00	1		CLP-2 0.53(mm)
CCV 240-67147/25		12/04/2012 01:24	1		CLP-1 0.53(mm)
CCV 240-67147/25		12/04/2012 01:24	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 01:47	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 01:47	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 02:11	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 02:11	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 02:35	1		CLP-1 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP1 Start Date: 12/03/2012 17:53

Analysis Batch Number: 67147 End Date: 12/04/2012 04:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/04/2012 02:35	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 02:58	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 02:58	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 03:22	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 03:22	1		CLP-2 0.53(mm)
CCV 240-67147/31		12/04/2012 03:46	1		CLP-1 0.53(mm)
CCV 240-67147/31		12/04/2012 03:46	1		CLP-2 0.53(mm)
CCV 240-67147/32		12/04/2012 04:10	1		CLP-1 0.53(mm)
CCV 240-67147/32		12/04/2012 04:10	1		CLP-2 0.53(mm)
ZZZZZ		12/04/2012 04:33	1		CLP-1 0.53(mm)
ZZZZZ		12/04/2012 04:33	1		CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP1 Start Date: 12/22/2012 12:38

Analysis Batch Number: 69890 End Date: 12/23/2012 05:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-69890/5 CCVRT		12/22/2012 12:38	1	P1000005.D	CLP-1 0.53(mm)
CCV 240-69890/5 CCVRT		12/22/2012 12:38	1	P1000005.D	CLP-2 0.53(mm)
CCV 240-69890/15		12/22/2012 16:34	1	P1000015.D	CLP-1 0.53(mm)
CCV 240-69890/15		12/22/2012 16:34	1	P1000015.D	CLP-2 0.53(mm)
CCV 240-69890/16		12/22/2012 16:57	1	P1000016.D	CLP-1 0.53(mm)
CCV 240-69890/16		12/22/2012 16:57	1	P1000016.D	CLP-2 0.53(mm)
MRL 240-69890/17		12/22/2012 17:21	1	P1000017.D	CLP-1 0.53(mm)
MRL 240-69890/17		12/22/2012 17:21	1	P1000017.D	CLP-2 0.53(mm)
ZZZZZ		12/22/2012 17:44	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 17:44	1		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 18:08	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 18:08	1		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 18:31	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 18:31	1		CLP-2 0.53(mm)
240-18581-3	070SB-044M-0001-SO	12/22/2012 18:55	1	P1000021.D	CLP-1 0.53(mm)
240-18581-3	070SB-044M-0001-SO	12/22/2012 18:55	1	P1000021.D	CLP-2 0.53(mm)
240-18581-3 MS	070SB-044M-0001-SO MS	12/22/2012 19:19	1	P1000022.D	CLP-1 0.53(mm)
240-18581-3 MS	070SB-044M-0001-SO MS	12/22/2012 19:19	1	P1000022.D	CLP-2 0.53(mm)
240-18581-3 MSD	070SB-044M-0001-SO MSD	12/22/2012 19:42	1	P1000023.D	CLP-1 0.53(mm)
240-18581-3 MSD	070SB-044M-0001-SO MSD	12/22/2012 19:42	1	P1000023.D	CLP-2 0.53(mm)
240-18581-4	070SB-045M-0001-SO	12/22/2012 20:05	1	P1000024.D	CLP-1 0.53(mm)
240-18581-4	070SB-045M-0001-SO	12/22/2012 20:05	1	P1000024.D	CLP-2 0.53(mm)
ZZZZZ		12/22/2012 20:29	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 20:29	1		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 20:53	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 20:53	1		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 21:16	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 21:16	1		CLP-2 0.53(mm)
CCV 240-69890/28		12/22/2012 21:40	1	P1000028.D	CLP-1 0.53(mm)
CCV 240-69890/28		12/22/2012 21:40	1	P1000028.D	CLP-2 0.53(mm)
CCV 240-69890/29		12/22/2012 22:03	1	P1000029.D	CLP-1 0.53(mm)
CCV 240-69890/29		12/22/2012 22:03	1	P1000029.D	CLP-2 0.53(mm)
ZZZZZ		12/22/2012 22:27	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 22:27	1		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 22:50	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 22:50	1		CLP-2 0.53(mm)
ZZZZZ		12/22/2012 23:14	1		CLP-1 0.53(mm)
ZZZZZ		12/22/2012 23:14	1		CLP-2 0.53(mm)
CCV 240-69890/39		12/23/2012 01:59	1	P1000039.D	CLP-1 0.53(mm)
CCV 240-69890/39		12/23/2012 01:59	1	P1000039.D	CLP-2 0.53(mm)
CCV 240-69890/40		12/23/2012 02:22	1	P1000040.D	CLP-1 0.53(mm)
CCV 240-69890/40		12/23/2012 02:22	1	P1000040.D	CLP-2 0.53(mm)
MB 240-69221/23-A		12/23/2012 03:56	1	P1000044.D	CLP-1 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: A2HP1 Start Date: 12/22/2012 12:38

Analysis Batch Number: 69890 End Date: 12/23/2012 05:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MB 240-69221/23-A		12/23/2012 03:56	1	P1000044.D	CLP-2 0.53(mm)
LCS 240-69221/24-A		12/23/2012 04:19	1	P1000045.D	CLP-1 0.53(mm)
LCS 240-69221/24-A		12/23/2012 04:19	1	P1000045.D	CLP-2 0.53(mm)
MRL 240-69890/46		12/23/2012 04:43	1	P1000046.D	CLP-1 0.53(mm)
MRL 240-69890/46		12/23/2012 04:43	1	P1000046.D	CLP-2 0.53(mm)
CCV 240-69890/47		12/23/2012 05:07	1	P1000047.D	CLP-1 0.53(mm)
CCV 240-69890/47		12/23/2012 05:07	1	P1000047.D	CLP-2 0.53(mm)
CCV 240-69890/48		12/23/2012 05:30	1	P1000048.D	CLP-1 0.53(mm)
CCV 240-69890/48		12/23/2012 05:30	1	P1000048.D	CLP-2 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69221 Batch Start Date: 12/18/12 11:08 Batch Analyst: Matthews, Brandon

Batch Method: 8151A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXHEASPIKEW 00007	EXHERBSURR 00012		
240-18581-L-3-A	070SB-044M-0001-SO	8151A, 8151/DOD	T	30.09 g	100 mL		1 mL		
240-18581-L-3-B MS	070SB-044M-0001-SO	8151A, 8151/DOD	T	29.95 g	100 mL	1 mL	1 mL		
240-18581-L-3-C MSD	070SB-044M-0001-SO	8151A, 8151/DOD	T	30.19 g	100 mL	1 mL	1 mL		
240-18581-B-4-A	070SB-045M-0001-SO	8151A, 8151/DOD	T	30.28 g	100 mL		1 mL		
MB 240-69221/23		8151A, 8151/DOD		30 g	100 mL		1 mL		
LCS 240-69221/24		8151A, 8151/DOD		30 g	100 mL	1 mL	1 mL		

Batch Notes	
Balance ID	b-037
Diethyl Ether Lot #	693503
Sulfuric Acid Lot Number	711899
Lot # of hydrochloric acid	014576
Hexane Lot#	671339
Potassium Hydroxide Lot #	711921
MeCL2 Lot #	781182
MeCl2/Acetone Lot #	785979
Na2SO4 Lot Number	677244
Silica Gel Lot Number	001550
TMSDM Lot #	347066

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8330 Nitroguanidine

Nitroguanidine (HPLC) by Method 8330

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 320-0001969-044-1.d

Lab ID: LCS 320-7654/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Nitroguanidine	1.00	1.02	102	72-121	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 320-0001969-046-1.d

Lab ID: 240-18581-1 MS Client ID: 070SB-0042M-0001-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Nitroguanidine	0.976	0.040 U	0.947	97	72-121	M

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 320-0001969-047-1.d

Lab ID: 240-18581-1 MSD Client ID: 070SB-0042M-0001-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitroguanidine	0.980	0.950	97	0	20	72-121	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab File ID: 320-0001969-043-1.d Lab Sample ID: MB 320-7654/1-A

Matrix: Solid Date Extracted: 12/20/2012 09:42

Instrument ID: PDA1 Date Analyzed: 12/27/2012 01:45

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 320-7654/2-A	320-0001969-044-1.d	12/27/2012 01:59
070SB-0042M-0001-SO	240-18581-1	320-0001969-045-1.d	12/27/2012 02:14
070SB-0042M-0001-SO MS	240-18581-1 MS	320-0001969-046-1.d	12/27/2012 02:28
070SB-0042M-0001-SO MSD	240-18581-1 MSD	320-0001969-047-1.d	12/27/2012 02:42
070SB-044M-0001-SO	240-18581-3	320-0001969-048-1.d	12/27/2012 02:57
070SB-046M-0001-SO	240-18581-5	320-0001969-049-1.d	12/27/2012 03:11

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO Lab Sample ID: 240-18581-1

Matrix: Solid Lab File ID: 320-0001969-045-1.d

Analysis Method: 8330 Modified Date Collected: 12/07/2012 11:45

Extraction Method: Sieve/Ultrasoni Date Extracted: 12/20/2012 09:42

Sample wt/vol: 2.01(g) Date Analyzed: 12/27/2012 02:14

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7855 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.040	U	0.25	0.040	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-045-1.d		
Lims ID:	240-18581-N-1-C	Client ID:	070SB-0042M-0001-SO
Inject. Date:	27-Dec-2012 02:14:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001969-045 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	45
Detector:	GC 320-0001969-045-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 08:52:11	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:03:10

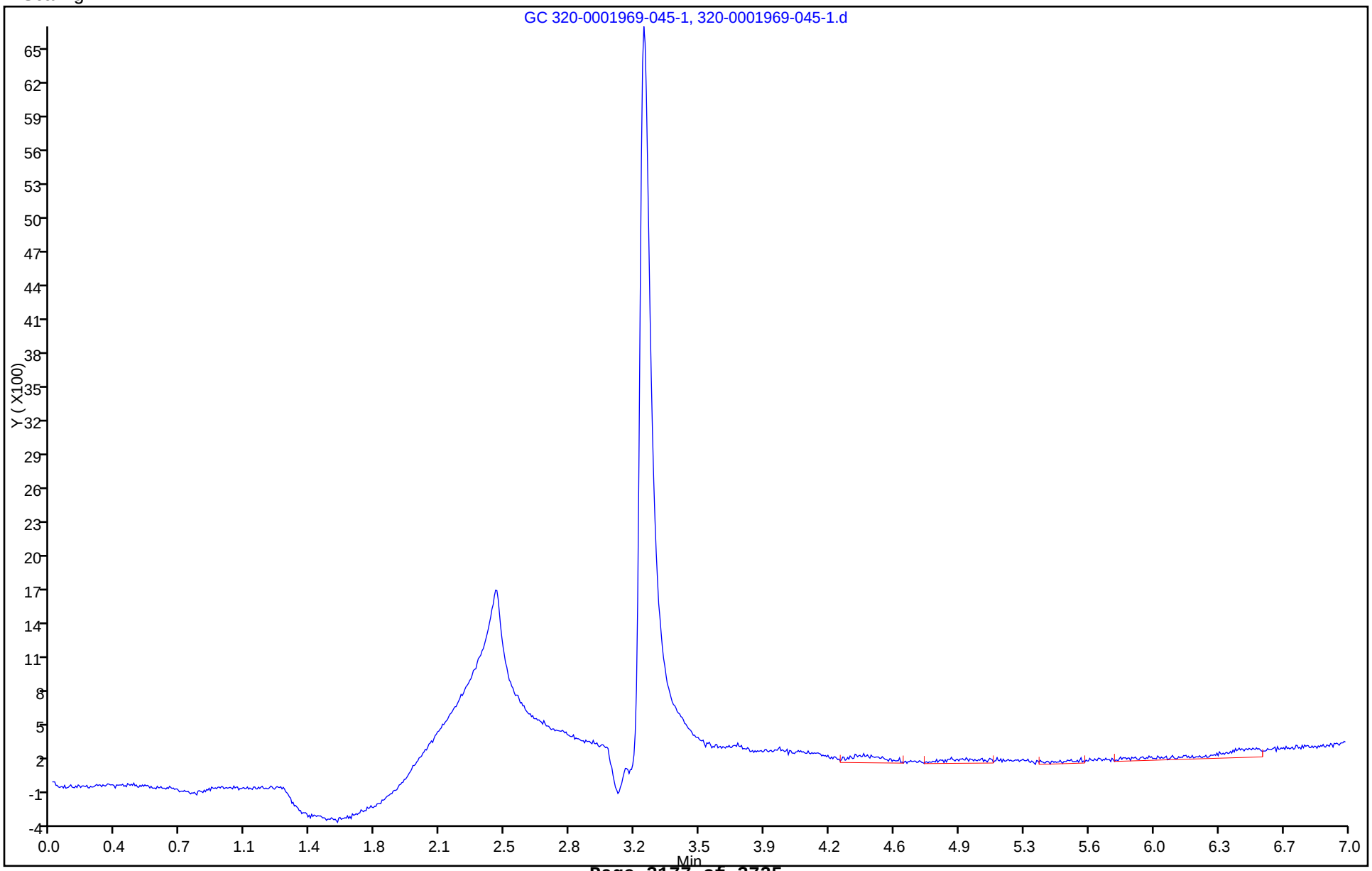
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

Report Date: 28-Dec-2012 09:03:10 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-045-1.d		
Injection Date:	27-Dec-2012 02:14:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	45
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO Lab Sample ID: 240-18581-3

Matrix: Solid Lab File ID: 320-0001969-048-1.d

Analysis Method: 8330 Modified Date Collected: 12/07/2012 11:15

Extraction Method: Sieve/Ultrasoni Date Extracted: 12/20/2012 09:42

Sample wt/vol: 1.99(g) Date Analyzed: 12/27/2012 02:57

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7855 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.040	U	0.25	0.040	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-048-1.d		
Lims ID:	240-18581-N-3-C	Client ID:	070SB-044M-0001-SO
Inject. Date:	27-Dec-2012 02:57:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001969-048 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	48
Detector:	GC 320-0001969-048-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:03:26	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:03:53

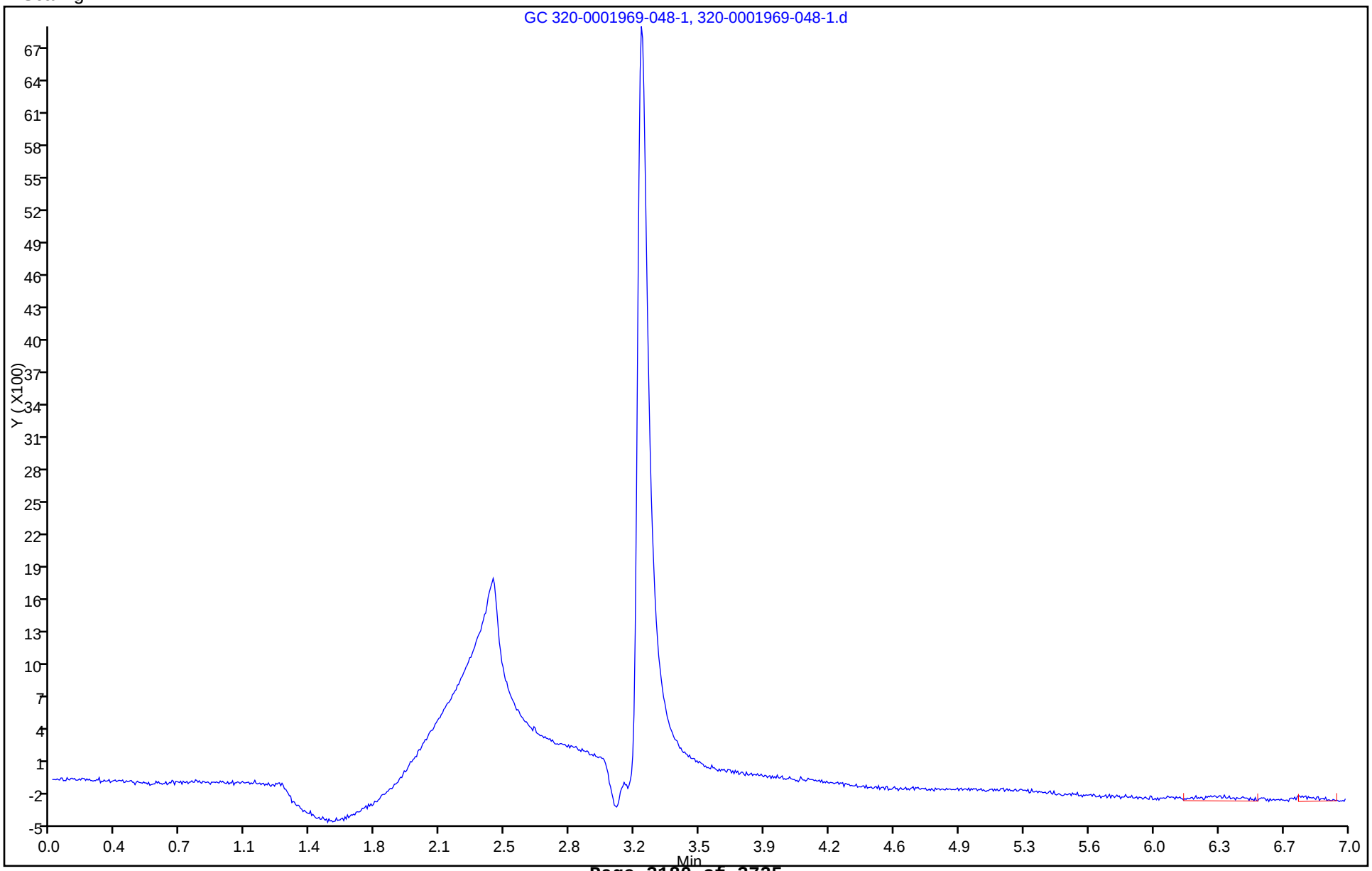
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

Report Date: 28-Dec-2012 09:03:53 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-048-1.d		
Injection Date:	27-Dec-2012 02:57:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	48
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO Lab Sample ID: 240-18581-5

Matrix: Solid Lab File ID: 320-0001969-049-1.d

Analysis Method: 8330 Modified Date Collected: 12/07/2012 10:50

Extraction Method: Sieve/Ultrasoni Date Extracted: 12/20/2012 09:42

Sample wt/vol: 2.06(g) Date Analyzed: 12/27/2012 03:11

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7855 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.039	U	0.24	0.039	0.019

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-049-1.d		
Lims ID:	240-18581-L-5-C	Client ID:	070SB-046M-0001-SO
Inject. Date:	27-Dec-2012 03:11:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001969-049 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	49
Detector:	GC 320-0001969-049-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:03:26	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:04:00

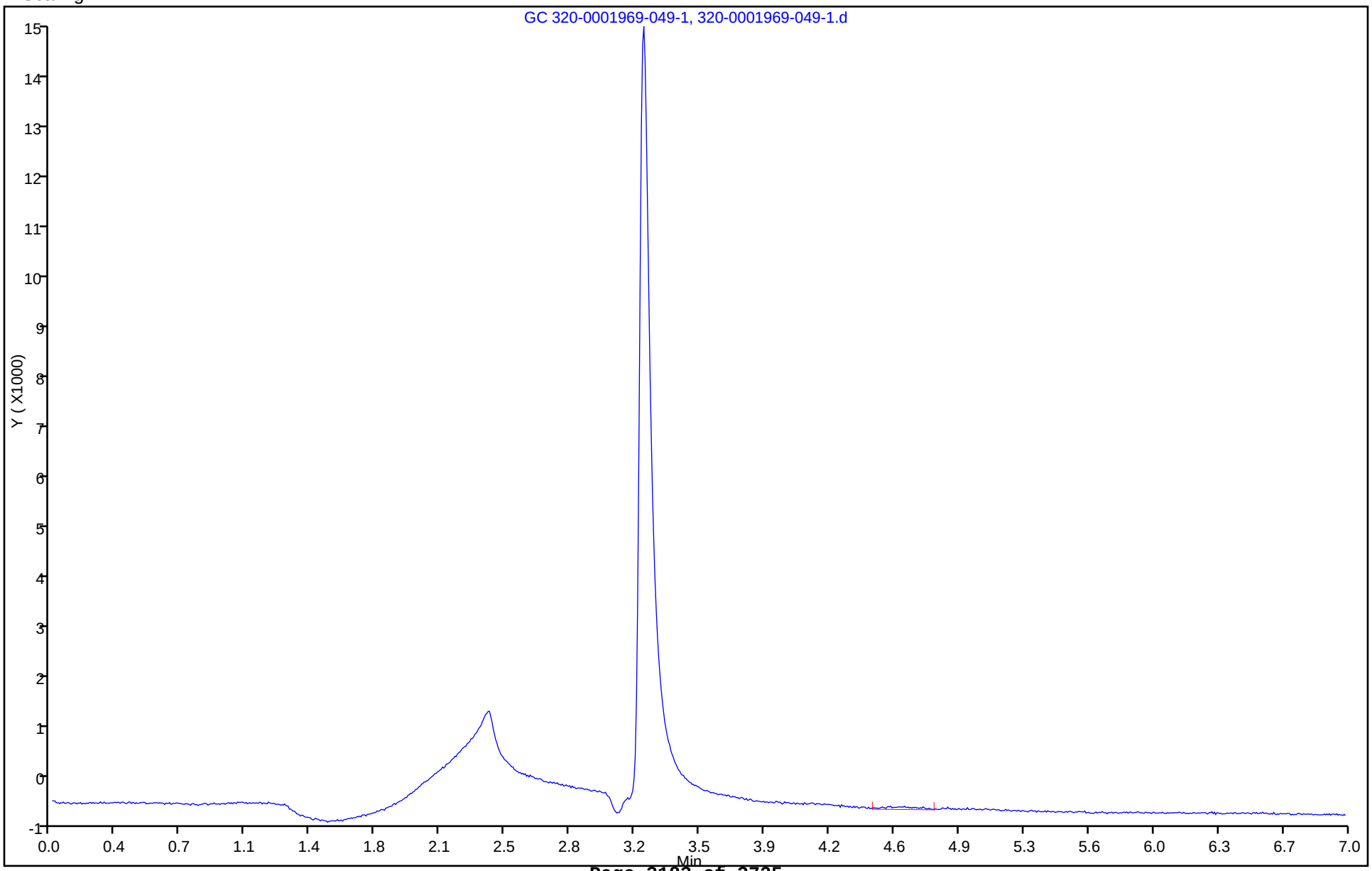
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

Report Date: 28-Dec-2012 09:04:00 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-049-1.d		
Injection Date:	27-Dec-2012 03:11:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	49
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 7846

SDG No.:

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2012 13:18 Calibration End Date: 12/26/2012 14:30 Calibration ID: 1838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-7846/4	320-0001966-004-1.d
Level 2	STD03 320-7846/5	320-0001966-005-1.d
Level 3	STD04 320-7846/6	320-0001966-006-1.d
Level 4	STD05 320-7846/7	320-0001966-007-1.d
Level 5	STD06 320-7846/8	320-0001966-008-1.d
Level 6	STD07 320-7846/9	320-0001966-009-1.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Nitroguanidine	4.293	4.287	4.273	4.253	4.273	4.273					4.017 - 4.517	4.275

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 7846

SDG No.:

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2012 13:18 Calibration End Date: 12/26/2012 14:30 Calibration ID: 1838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-7846/4	320-0001966-004-1.d
Level 2	STD03 320-7846/5	320-0001966-005-1.d
Level 3	STD04 320-7846/6	320-0001966-006-1.d
Level 4	STD05 320-7846/7	320-0001966-007-1.d
Level 5	STD06 320-7846/8	320-0001966-008-1.d
Level 6	STD07 320-7846/9	320-0001966-009-1.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Nitroguanidine	38.050 35.454	36.420 34.641	36.210	36.055	Ave		36.1383333				3.1		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 7846

SDG No.:

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/26/2012 13:18 Calibration End Date: 12/26/2012 14:30 Calibration ID: 1838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-7846/4	320-0001966-004-1.d
Level 2	STD03 320-7846/5	320-0001966-005-1.d
Level 3	STD04 320-7846/6	320-0001966-006-1.d
Level 4	STD05 320-7846/7	320-0001966-007-1.d
Level 5	STD06 320-7846/8	320-0001966-008-1.d
Level 6	STD07 320-7846/9	320-0001966-009-1.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Nitroguanidine	Ave	761 34641	1821	3621	7211	17727	20.0 1000	50.0	100	200	500

Curve Type Legend:
Ave = Average by Height

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-004-1.d		
Lims ID:	std02	Client ID:	
Inject. Date:	26-Dec-2012 13:18:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	320-0001966-004 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	4
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-004-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:10:29	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.293	4.267	0.026	761	21.1	

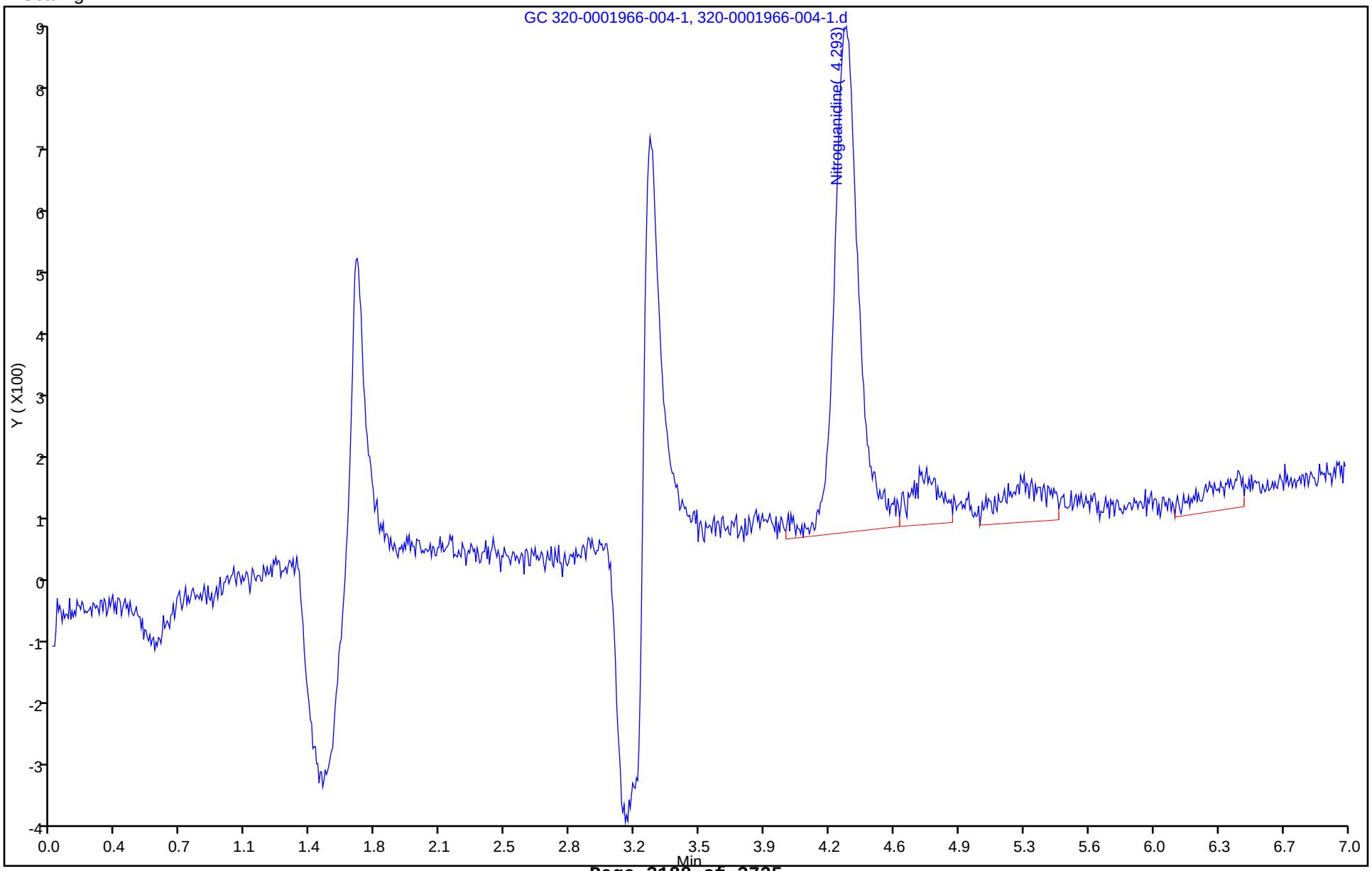
Report Date: 26-Dec-2012 15:10:30 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-004-1.d

Injection Date:	26-Dec-2012 13:18:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-005-1.d		
Lims ID:	std03	Client ID:	
Inject. Date:	26-Dec-2012 13:32:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	320-0001966-005 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	5
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-005-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:10:30	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

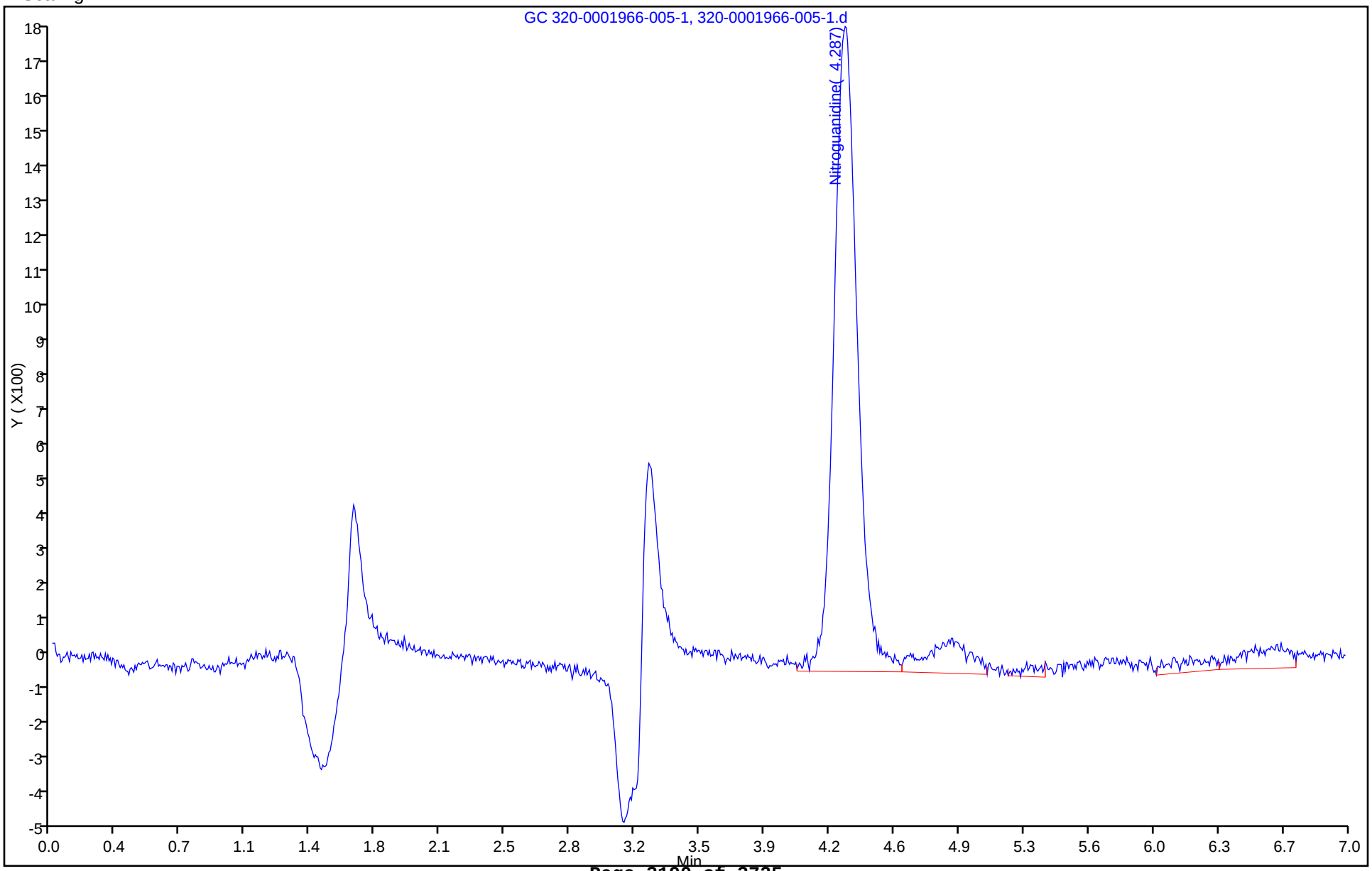
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.287	4.267	0.020	1821	50.4	

Report Date: 26-Dec-2012 15:10:30 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-005-1.d		
Injection Date:	26-Dec-2012 13:32:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-006-1.d		
Lims ID:	std04	Client ID:	
Inject. Date:	26-Dec-2012 13:47:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	320-0001966-006 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	6
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-006-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:16:28	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

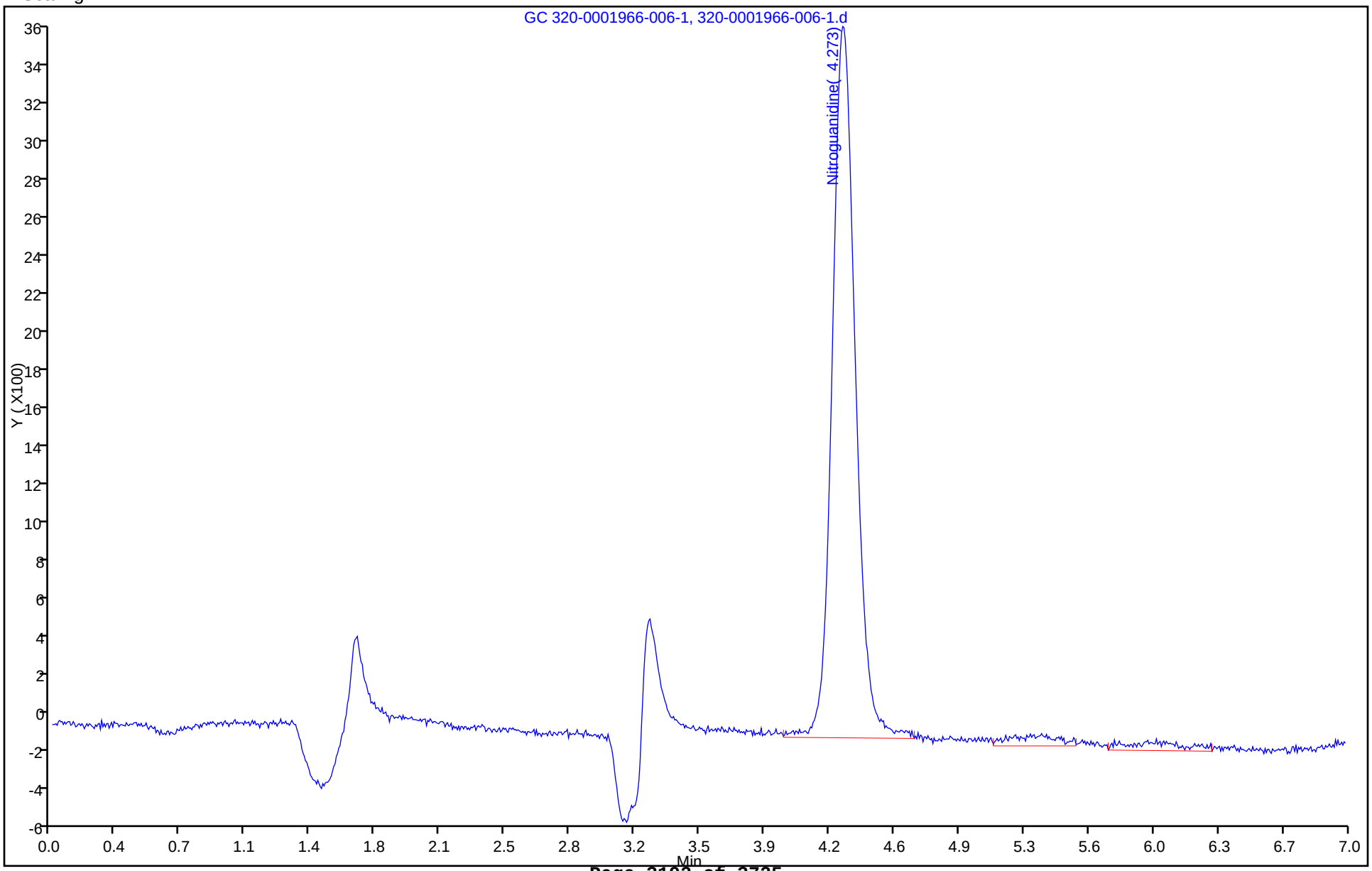
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.273	4.267	0.006	3621	100.2	

Report Date: 26-Dec-2012 15:16:28 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-006-1.d		
Injection Date:	26-Dec-2012 13:47:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-007-1.d		
Lims ID:	std05	Client ID:	
Inject. Date:	26-Dec-2012 14:01:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	320-0001966-007 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	7
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-007-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:10:30	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

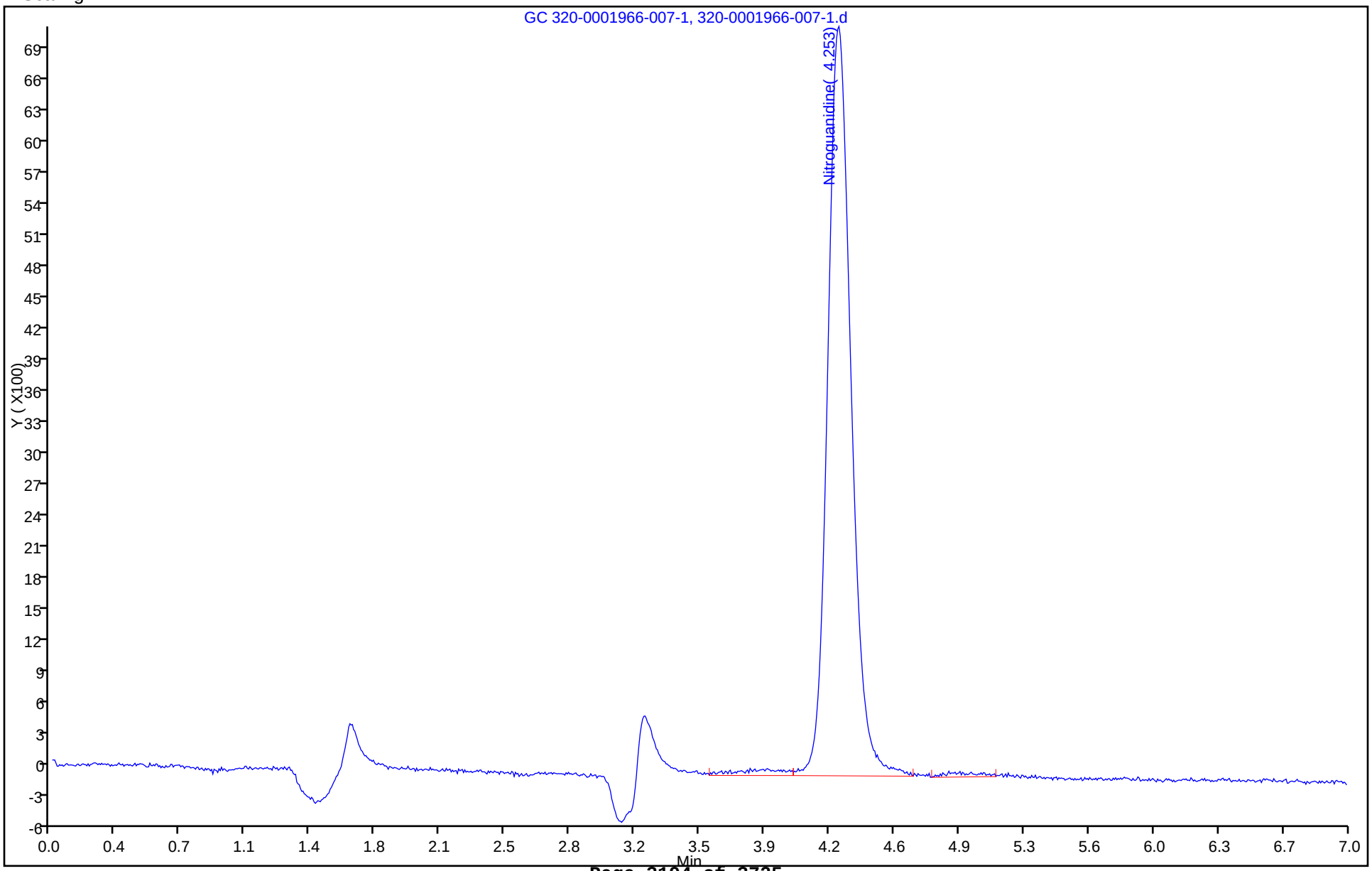
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.253	4.253	0.0	7211	199.5	

Report Date: 26-Dec-2012 15:10:30 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-007-1.d		
Injection Date:	26-Dec-2012 14:01:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	7
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-008-1.d		
Lims ID:	std06	Client ID:	
Inject. Date:	26-Dec-2012 14:15:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	320-0001966-008 Analysis		
Misc. Info.:	none MRL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	8
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-008-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:10:31	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.273	4.253	0.020	17727	490.5	

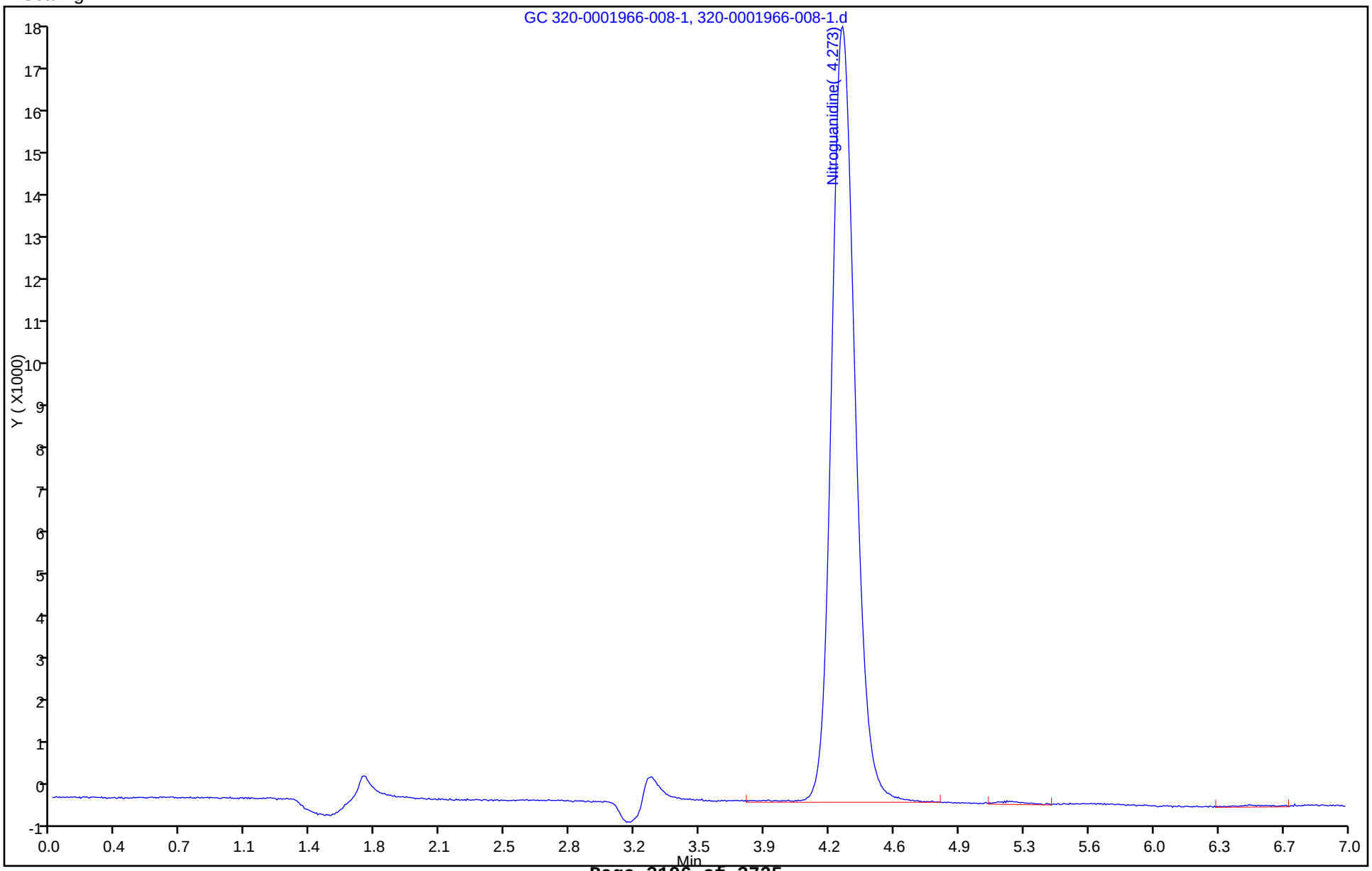
Report Date: 26-Dec-2012 15:10:31 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-008-1.d

Injection Date:	26-Dec-2012 14:15:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	8
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Lims ID:	std07	Client ID:	
Inject. Date:	26-Dec-2012 14:30:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	320-0001966-009 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	9
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-009-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:10:31	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.273	4.253	0.020	34641	958.6	

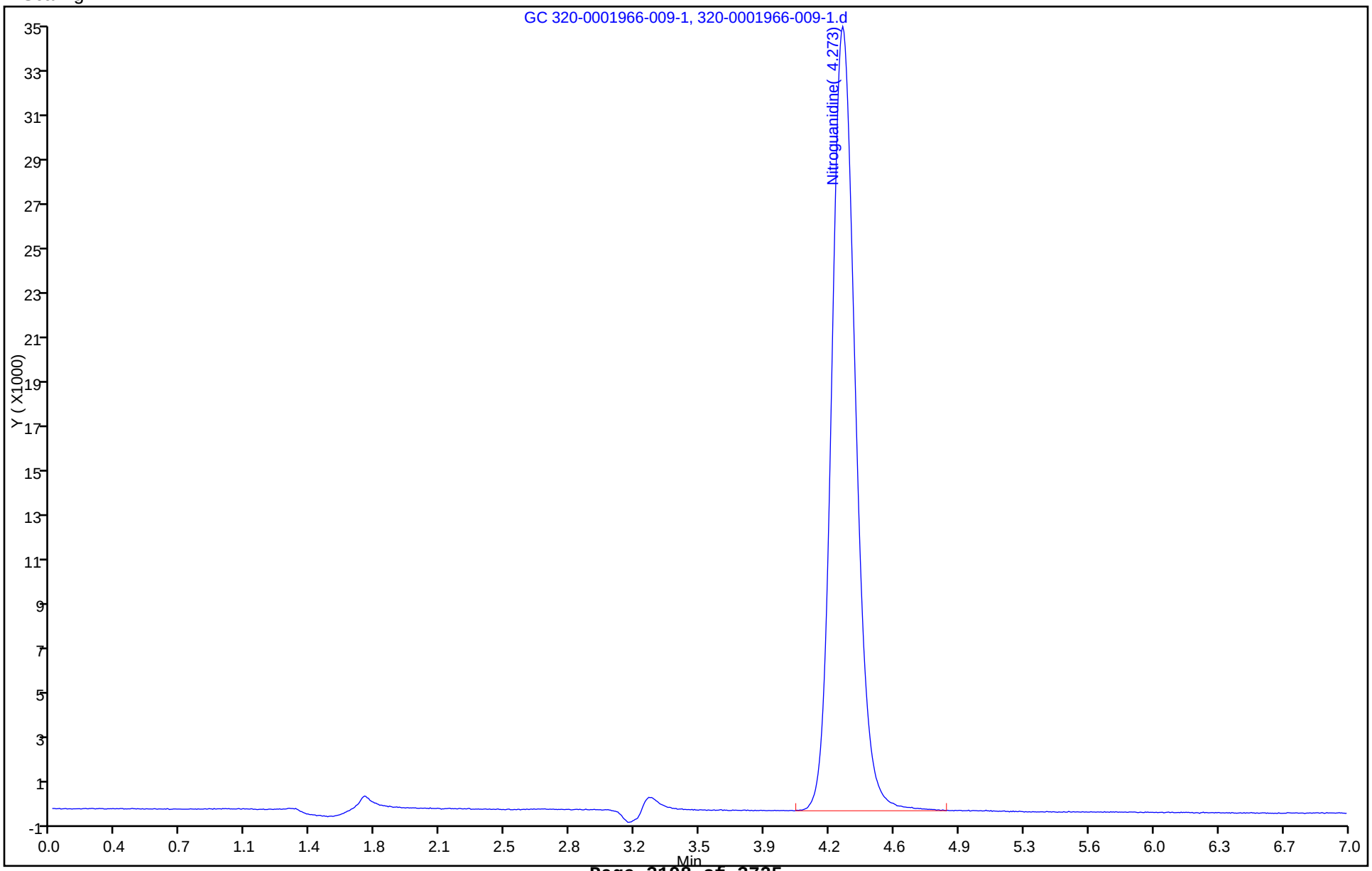
Report Date: 26-Dec-2012 15:10:31 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d

Injection Date:	26-Dec-2012 14:30:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	9
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 320-7846/11 Calibration Date: 12/26/2012 14:58

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001966-011-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	36.45		202	200	0.9	15.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 320-7846/11 Calibration Date: 12/26/2012 14:58

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001966-011-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.27	4.02	4.52

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-011-1.d		
Lims ID:	icv	Client ID:	
Inject. Date:	26-Dec-2012 14:58:00	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	320-0001966-011 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	11
Sublist:			
Detector:	GC 320-0001966-011-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:16:14	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

First Level Reviewer: noonanr Date: 26-Dec-2012 15:10:29

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.267	4.267	0.0	7290	201.7	

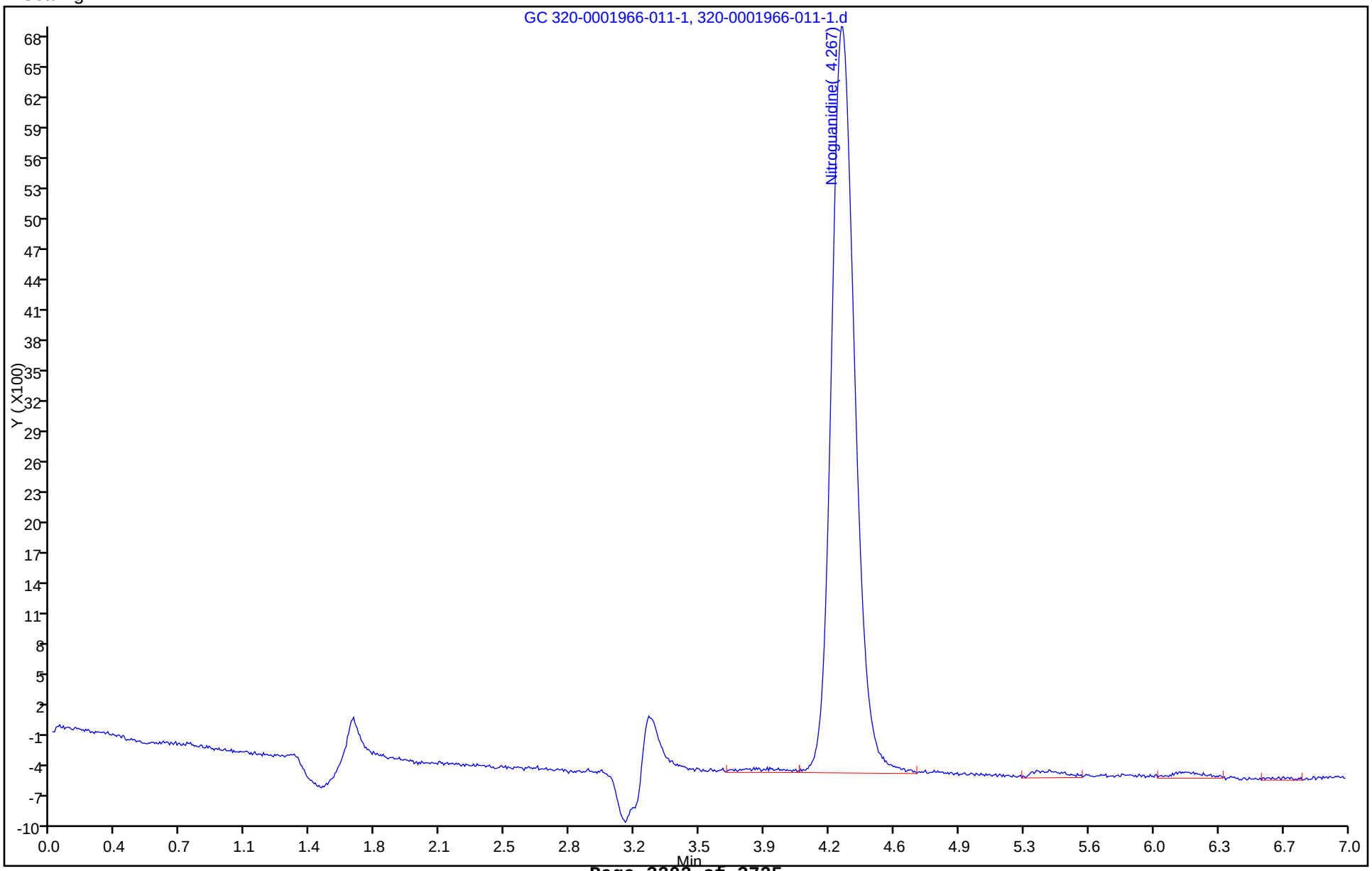
Report Date: 26-Dec-2012 15:16:14 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-011-1.d

Injection Date:	26-Dec-2012 14:58:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	11
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: LODV 320-7846/12 Calibration Date: 12/26/2012 15:13

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001966-012-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	36.40		5.04	5.00	0.7	

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: LODV 320-7846/12 Calibration Date: 12/26/2012 15:13

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001966-012-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.27	3.98	4.48

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-012-1.d		
Lims ID:	LODV	Client ID:	
Inject. Date:	26-Dec-2012 15:13:00	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	320-0001966-012 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	12
Detector:	GC 320-0001966-012-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:39:48	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

First Level Reviewer: noonanr Date: 26-Dec-2012 15:39:48

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					M
4.267	4.233	0.034	182	5.04	M

QC Flag Legend

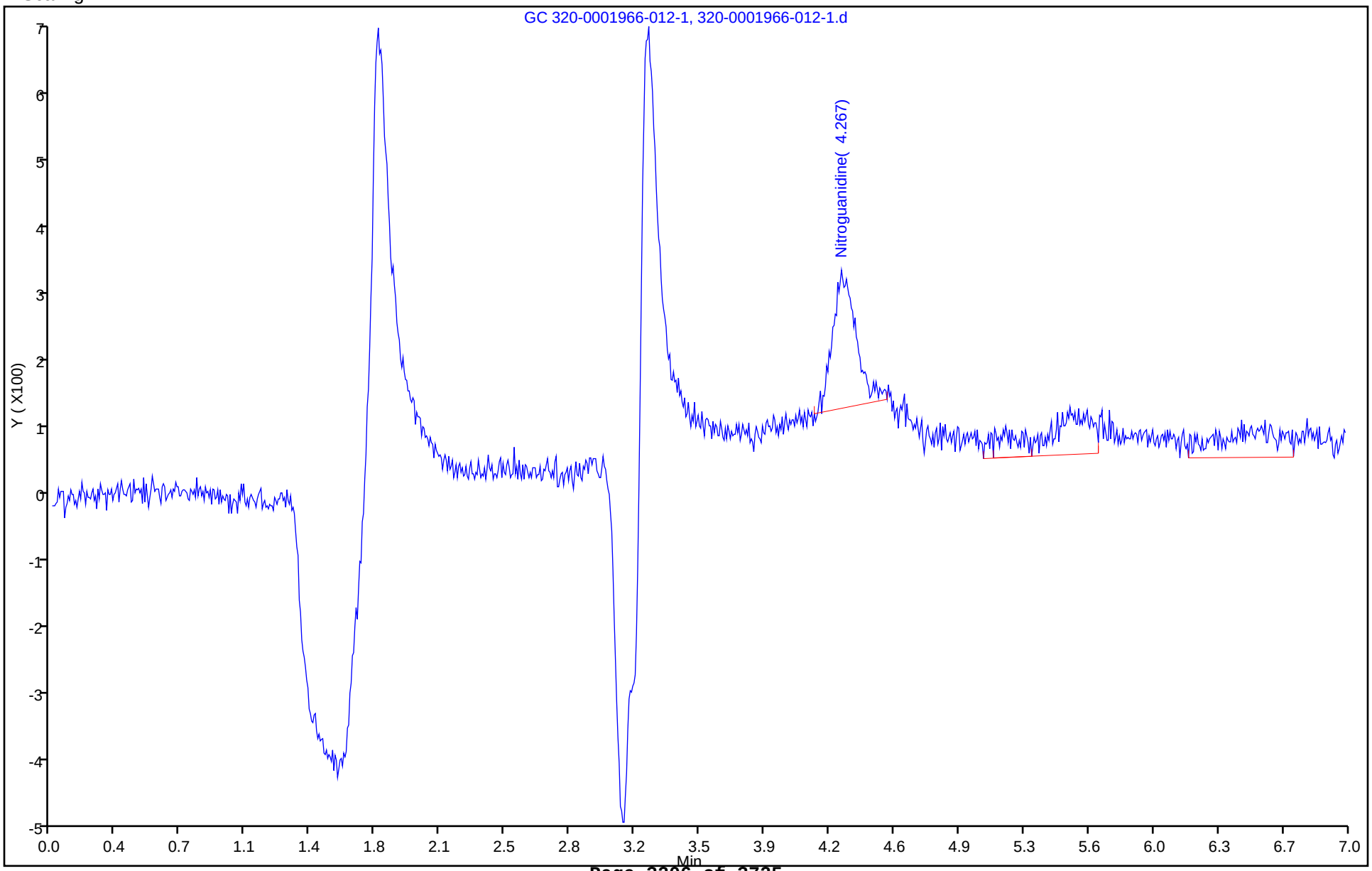
Review Flags
M - Manually Integrated

Report Date: 26-Dec-2012 15:39:48 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-012-1.d		
Injection Date:	26-Dec-2012 15:13:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	12
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



Report Date: 26-Dec-2012 15:39:48 Chrom Revision: 2.1 24-Dec-2012 15:14:58

Manual Integration/User Assign Peak Report

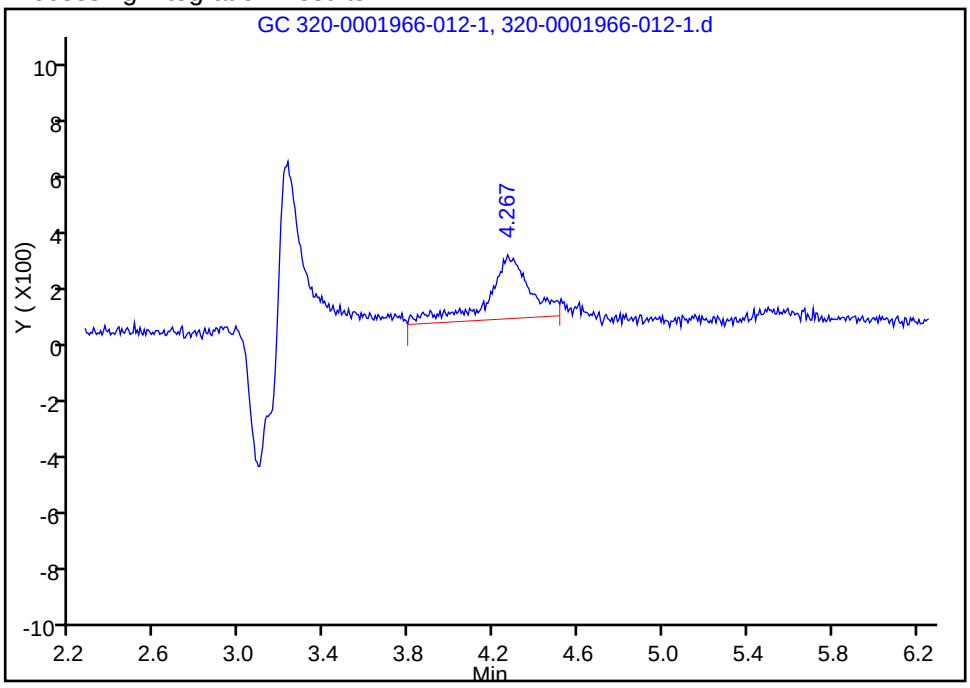
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-012-1.d		
Injection Date:	26-Dec-2012 15:13:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	12
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

1 Nitroguanidine, Signal: 1, Type: quant, RT: 4.23

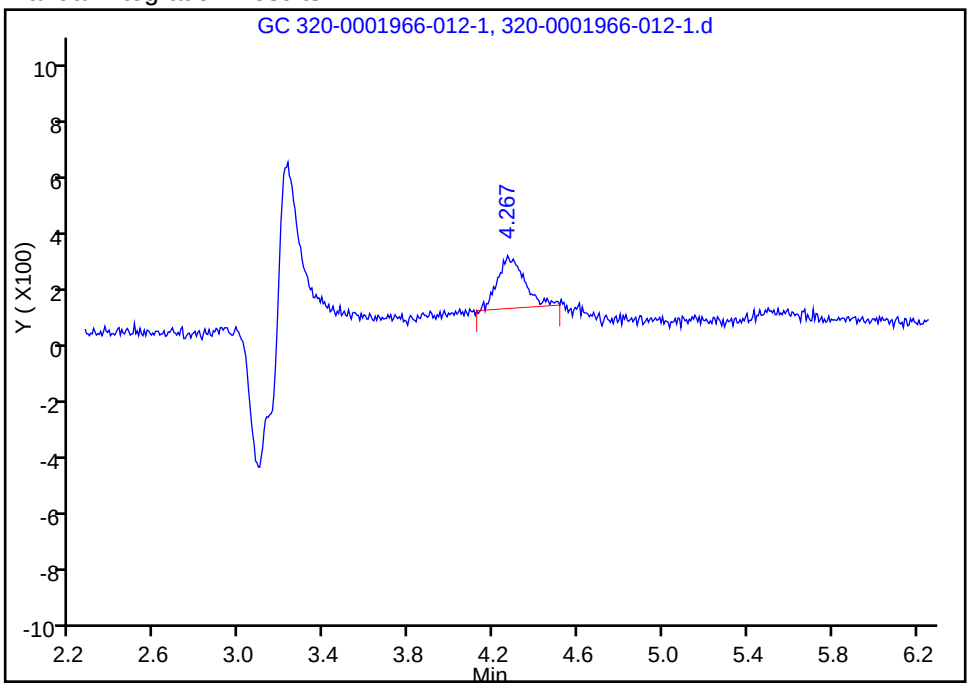
Processing Integration Results

RT: 4.27
Response: 220
Amount: 6.087718



Manual Integration Results

RT: 4.27
Response: 182
Amount: 5.036203



Reviewer: noonanr, 26-Dec-2012 15:39:48
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCVL 320-7846/13 Calibration Date: 12/26/2012 15:27

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001966-013-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	39.30		21.7	20.0	8.7	30.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCVL 320-7846/13 Calibration Date: 12/26/2012 15:27

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001966-013-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.23	3.98	4.48

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-013-1.d		
Lims ID:	CCVL	Client ID:	
Inject. Date:	26-Dec-2012 15:27:00	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0001966-013 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7846	Lims Sample ID:	13
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001966-013-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1966.b\NGu Primary.m		
Last Update:	26-Dec-2012 15:40:04	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK028		

First Level Reviewer: noonanr Date: 26-Dec-2012 15:40:04

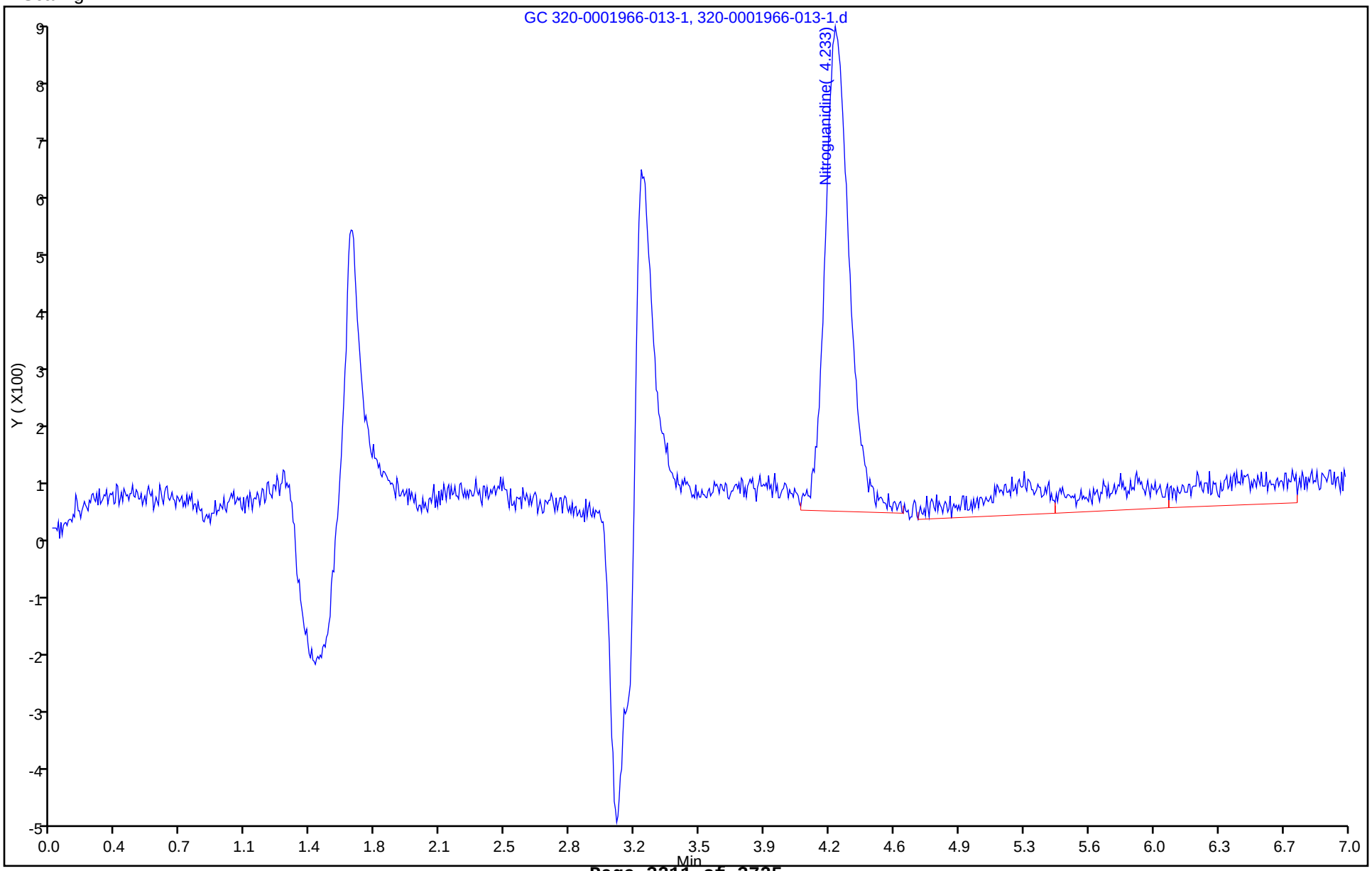
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.233	4.233	0.0	786	21.7	

Report Date: 26-Dec-2012 15:40:05 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-013-1.d		
Injection Date:	26-Dec-2012 15:27:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7846	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 320-7855/42 Calibration Date: 12/27/2012 01:31

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-042-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	37.68		104	100	4.3	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 320-7855/42 Calibration Date: 12/27/2012 01:31

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-042-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.25	4.00	4.50

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-042-1.d		
Lims ID:	ccv 04	Client ID:	
Inject. Date:	27-Dec-2012 01:31:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	320-0001969-042 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	42
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001969-042-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 08:29:36	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 08:29:36

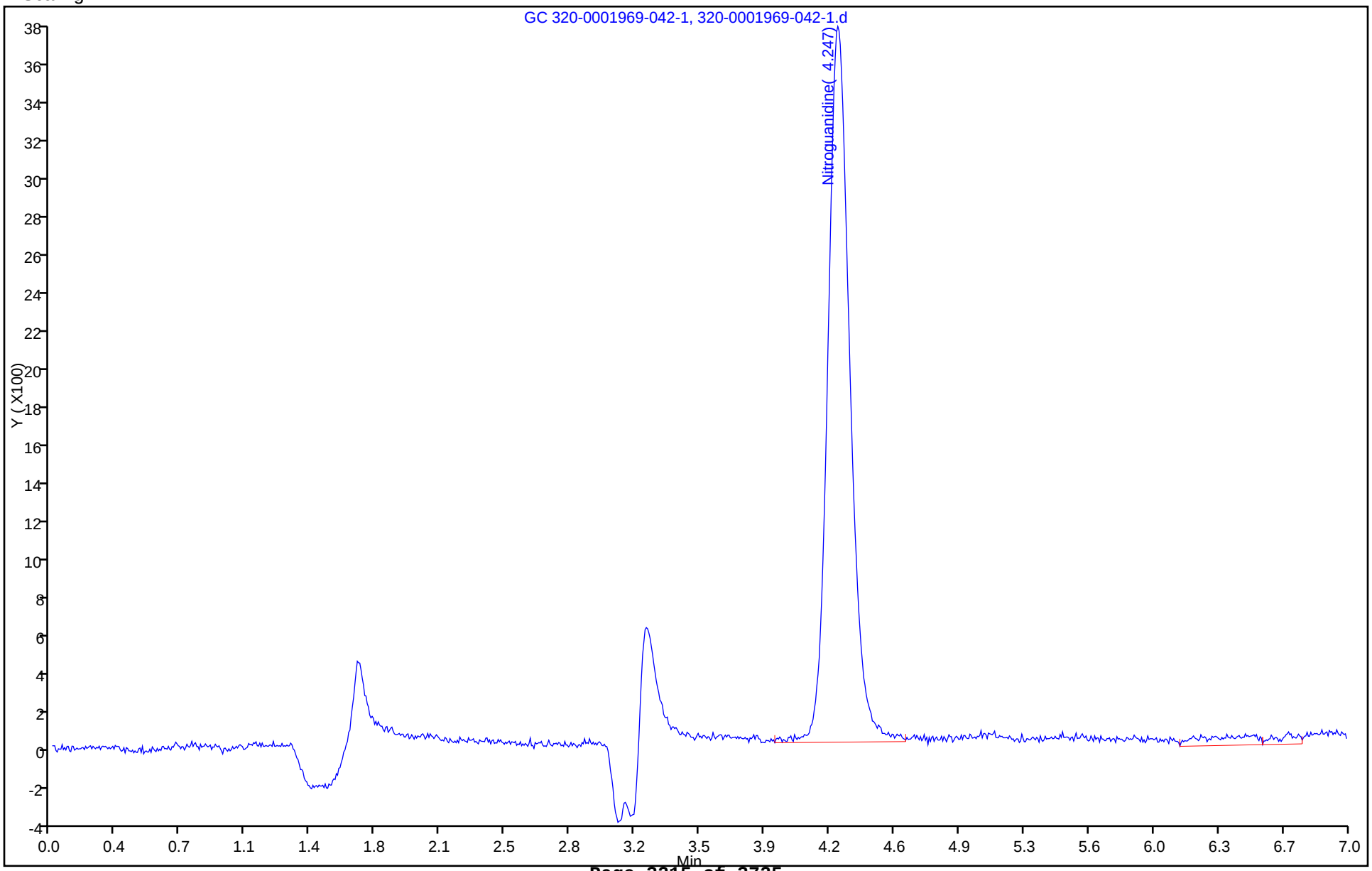
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.247	4.247	0.0	3768	104.3	

Report Date: 28-Dec-2012 08:29:36 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-042-1.d		
Injection Date:	27-Dec-2012 01:31:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	42
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 320-7855/51 Calibration Date: 12/27/2012 03:40

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-051-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	37.86		105	100	4.8	15.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 320-7855/51 Calibration Date: 12/27/2012 03:40

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-051-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.24	3.99	4.49

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-051-1.d		
Lims ID:	ccv 04	Client ID:	
Inject. Date:	27-Dec-2012 03:40:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	320-0001969-051 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	51
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001969-051-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:04:18	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:04:18

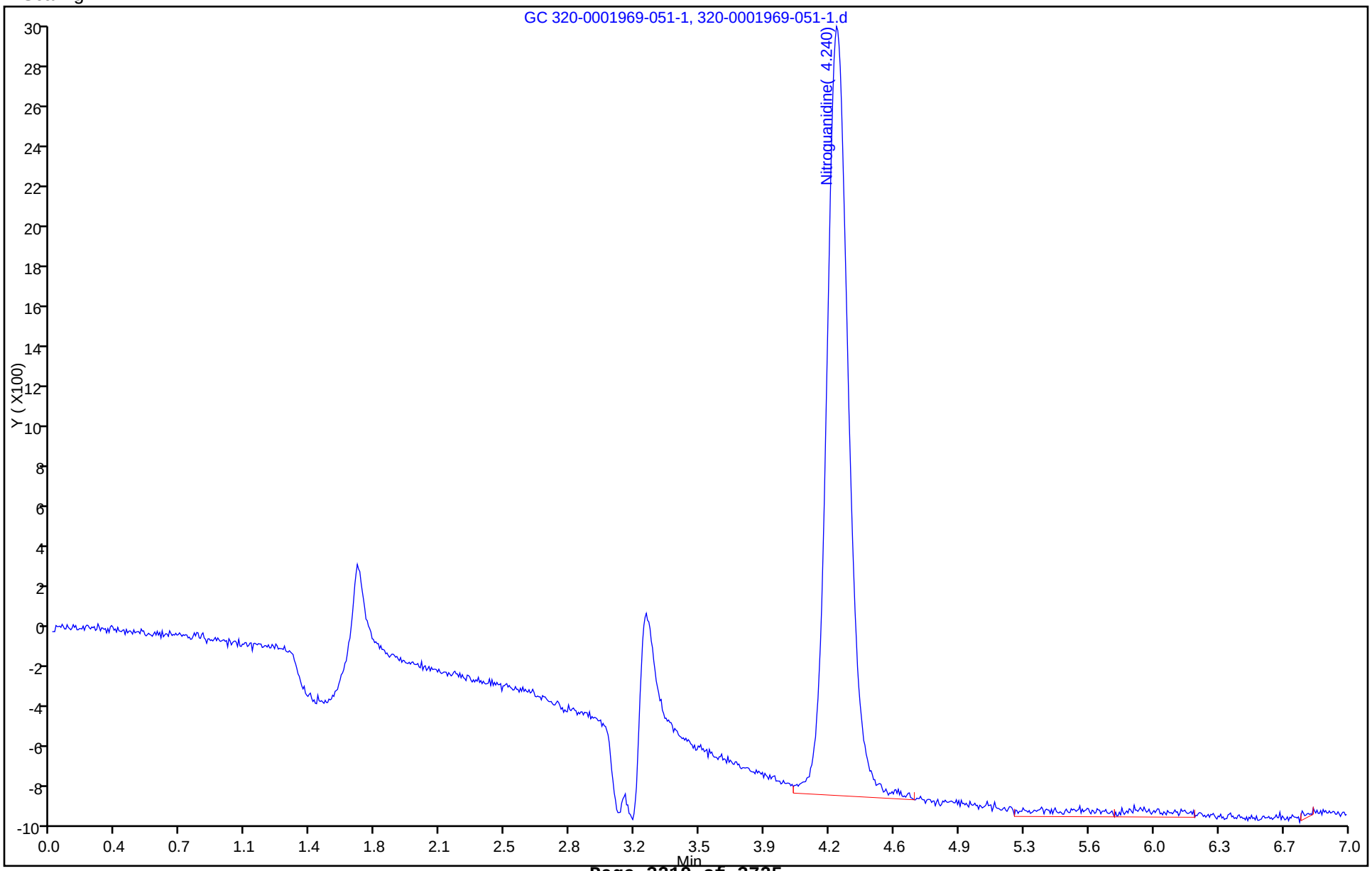
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.240	4.240	0.0	3786	104.8	

Report Date: 28-Dec-2012 09:04:18 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-051-1.d		
Injection Date:	27-Dec-2012 03:40:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	51
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCVL 320-7855/59 Calibration Date: 12/27/2012 05:34

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-059-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	36.14	39.70		22.0	20.0	9.9	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCVL 320-7855/59 Calibration Date: 12/27/2012 05:34

Instrument ID: PDA1 Calib Start Date: 12/26/2012 13:18

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 12/26/2012 14:30

Lab File ID: 320-0001969-059-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.25	4.00	4.50

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-059-1.d		
Lims ID:	CCVL	Client ID:	
Inject. Date:	27-Dec-2012 05:34:00	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0001969-059 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	59
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001969-059-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:14:30	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:14:30

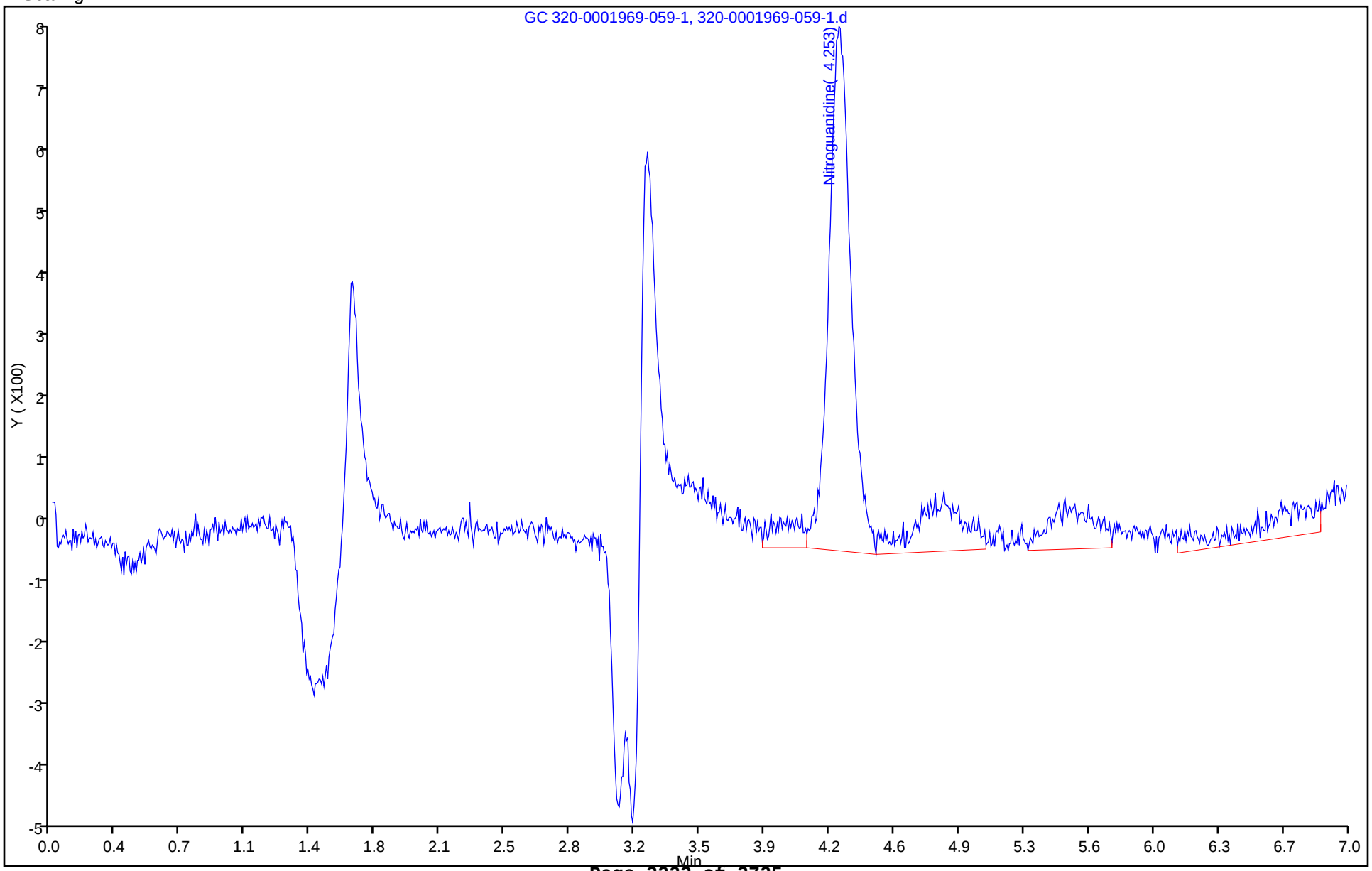
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.253	4.253	0.0	794	22.0	

Report Date: 28-Dec-2012 09:14:30 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-059-1.d		
Injection Date:	27-Dec-2012 05:34:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	59
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-7654/1-A

Matrix: Solid Lab File ID: 320-0001969-043-1.d

Analysis Method: 8330 Modified Date Collected:

Extraction Method: Sieve/Ultrasoni Date Extracted: 12/20/2012 09:42

Sample wt/vol: 2.00(g) Date Analyzed: 12/27/2012 01:45

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7855 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.040	U	0.25	0.040	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-043-1.d		
Lims ID:	MB 320-7654/1-A	Client ID:	
Inject. Date:	27-Dec-2012 01:45:00	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0001969-043 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	43
Detector:	GC 320-0001969-043-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:14:30	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:15:40

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1	Nitroguanidine					
	4.227	4.253	-0.026	70	1.94	

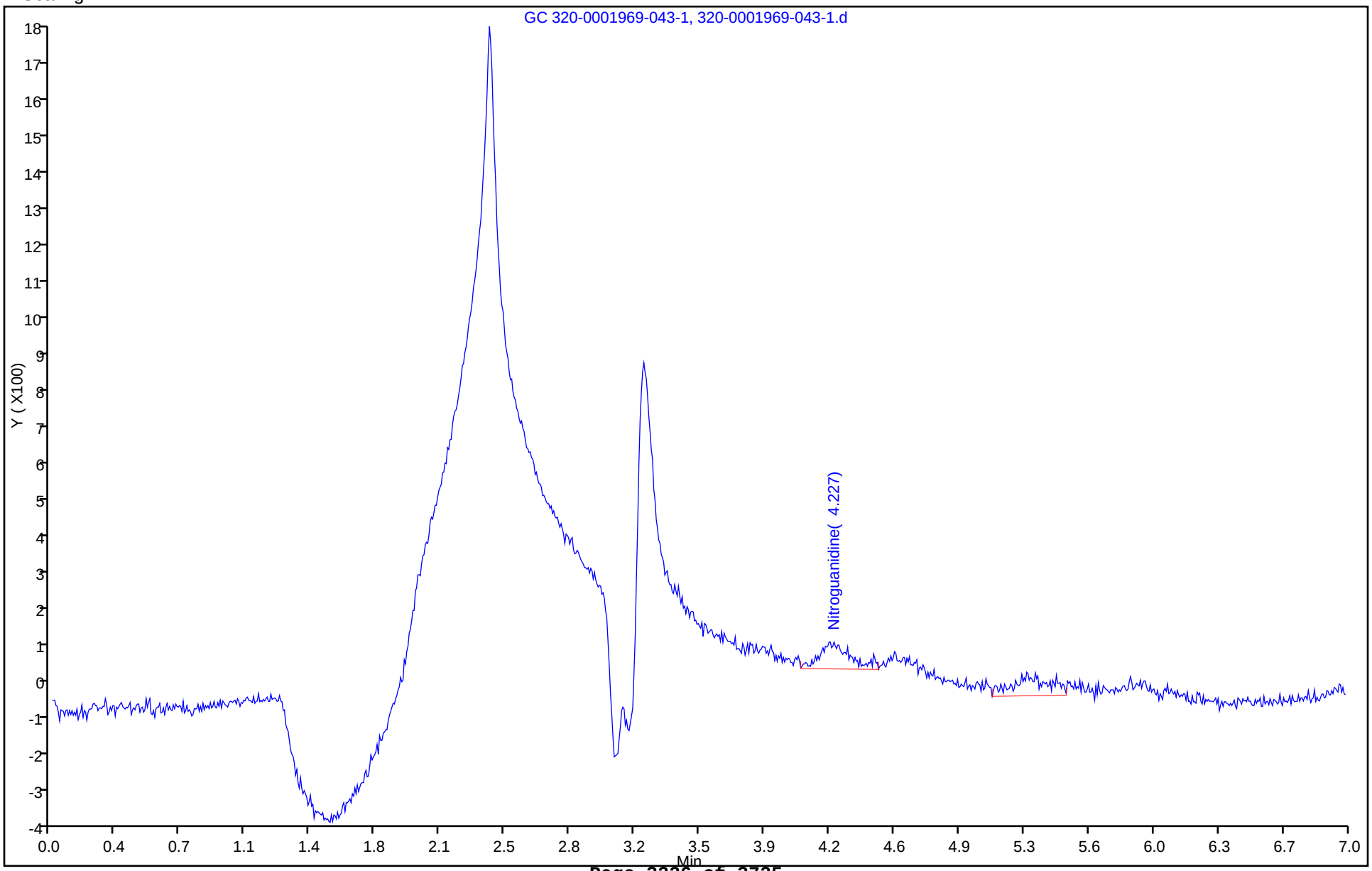
Report Date: 28-Dec-2012 09:15:40 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-043-1.d

Injection Date:	27-Dec-2012 01:45:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	43
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 320-7654/2-A

Matrix: Solid Lab File ID: 320-0001969-044-1.d

Analysis Method: 8330 Modified Date Collected:

Extraction Method: Sieve/Ultrasoni Date Extracted: 12/20/2012 09:42

Sample wt/vol: 2.00(g) Date Analyzed: 12/27/2012 01:59

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7855 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	1.02		0.25	0.040	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-044-1.d		
Lims ID:	LCS 320-7654/2-A	Client ID:	
Inject. Date:	27-Dec-2012 01:59:00	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	320-0001969-044 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	44
Detector:	GC 320-0001969-044-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 08:44:11	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 08:44:11

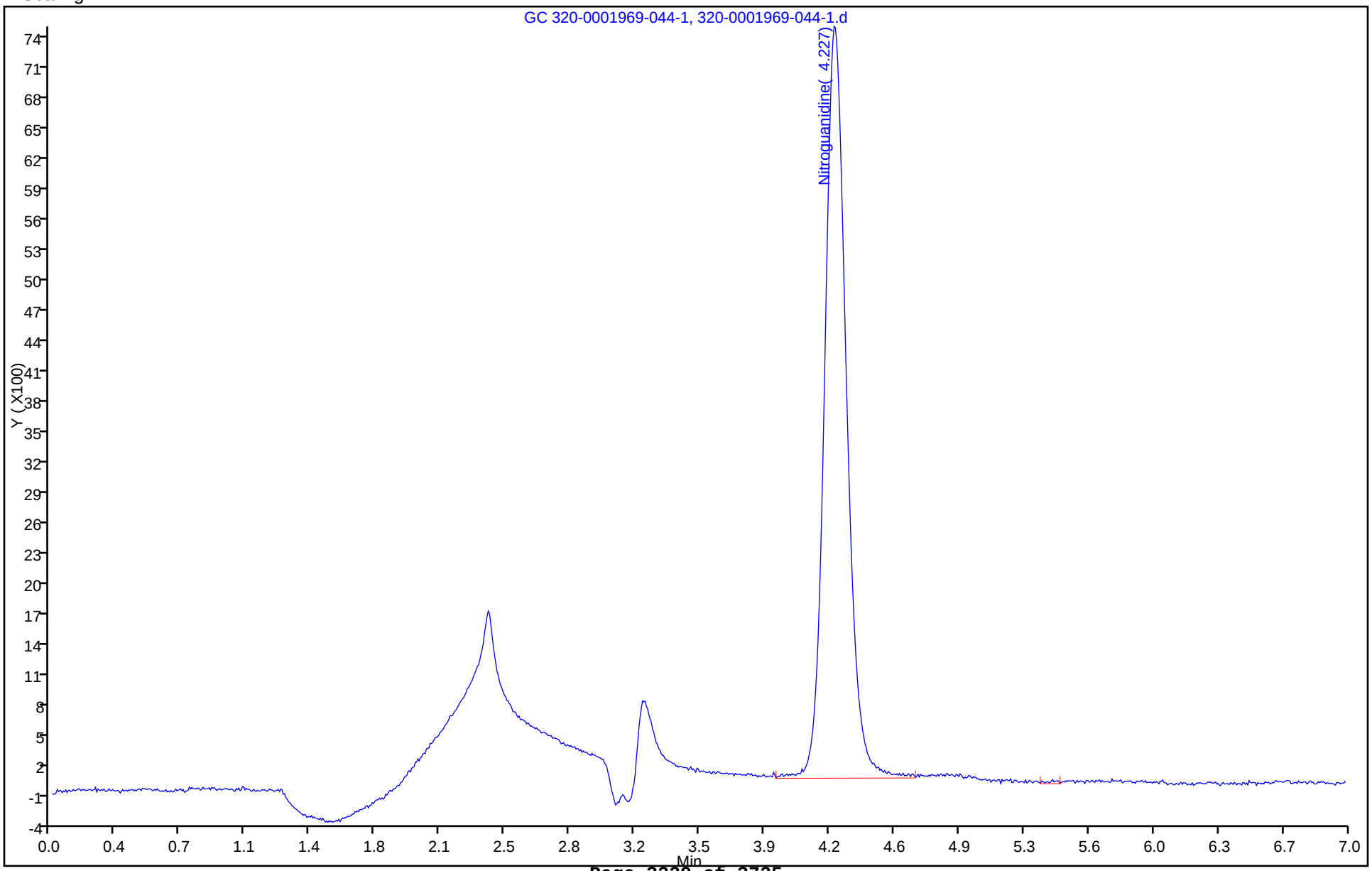
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.227	4.247	-0.020	7356	203.6	

Report Date: 28-Dec-2012 08:44:11 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-044-1.d		
Injection Date:	27-Dec-2012 01:59:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	44
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MS Lab Sample ID: 240-18581-1 MS

Matrix: Solid Lab File ID: 320-0001969-046-1.d

Analysis Method: 8330 Modified Date Collected: 12/07/2012 11:45

Extraction Method: Sieve/Ultrasoni Date Extracted: 12/20/2012 09:42

Sample wt/vol: 2.05(g) Date Analyzed: 12/27/2012 02:28

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7855 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.947	M	0.24	0.039	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-046-1.d		
Lims ID:	240-18581-N-1-D MS	Client ID:	070SB-0042M-0002-SO
Inject. Date:	27-Dec-2012 02:28:00	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	320-0001969-046 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	46
Detector:	GC 320-0001969-046-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:03:26	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:03:35

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					M
4.253	4.247	0.006	7013	194.1	M

QC Flag Legend

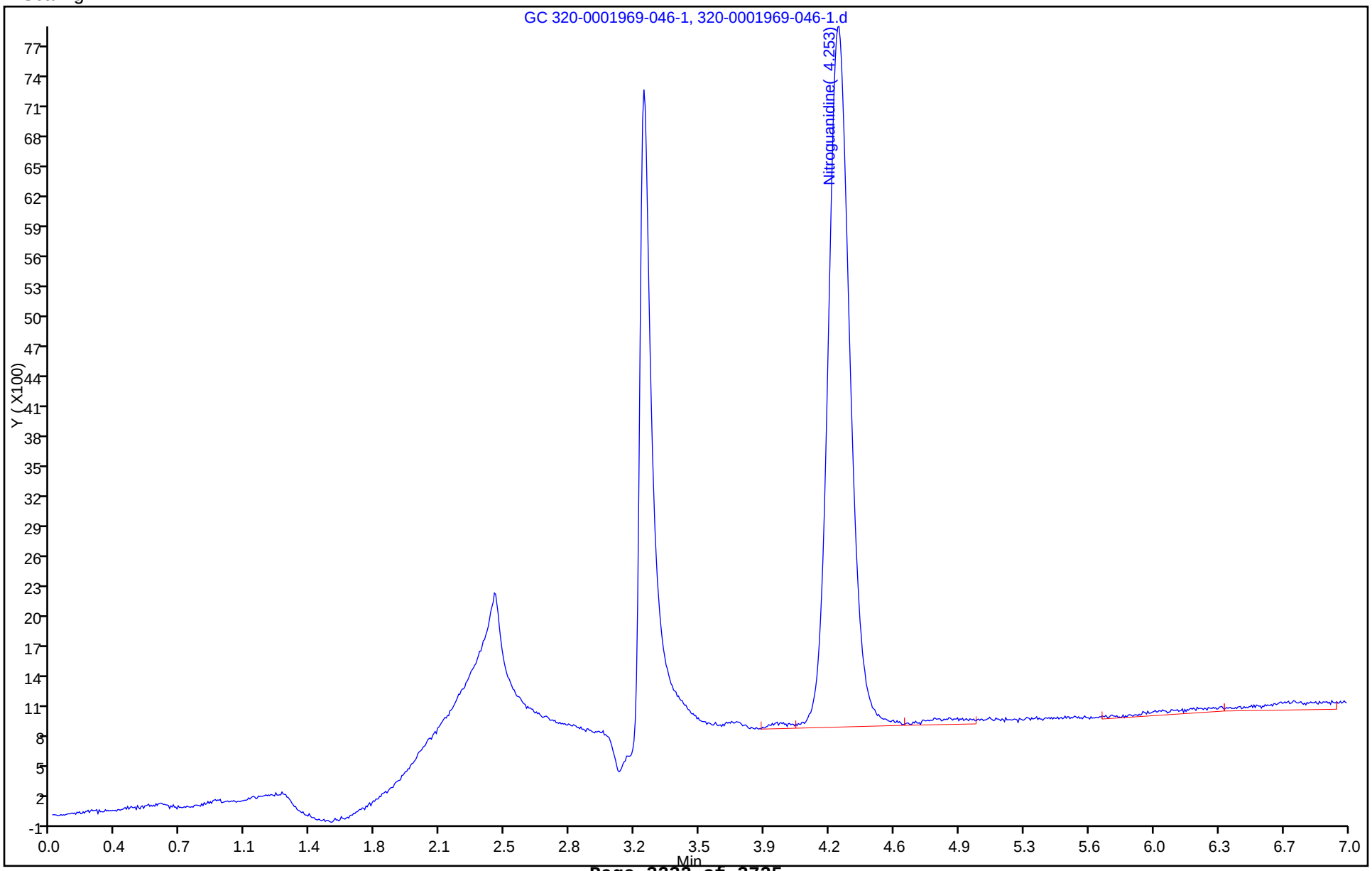
Review Flags
M - Manually Integrated

Report Date: 28-Dec-2012 09:03:35 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-046-1.d		
Injection Date:	27-Dec-2012 02:28:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	46
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



Manual Integration/User Assign Peak Report

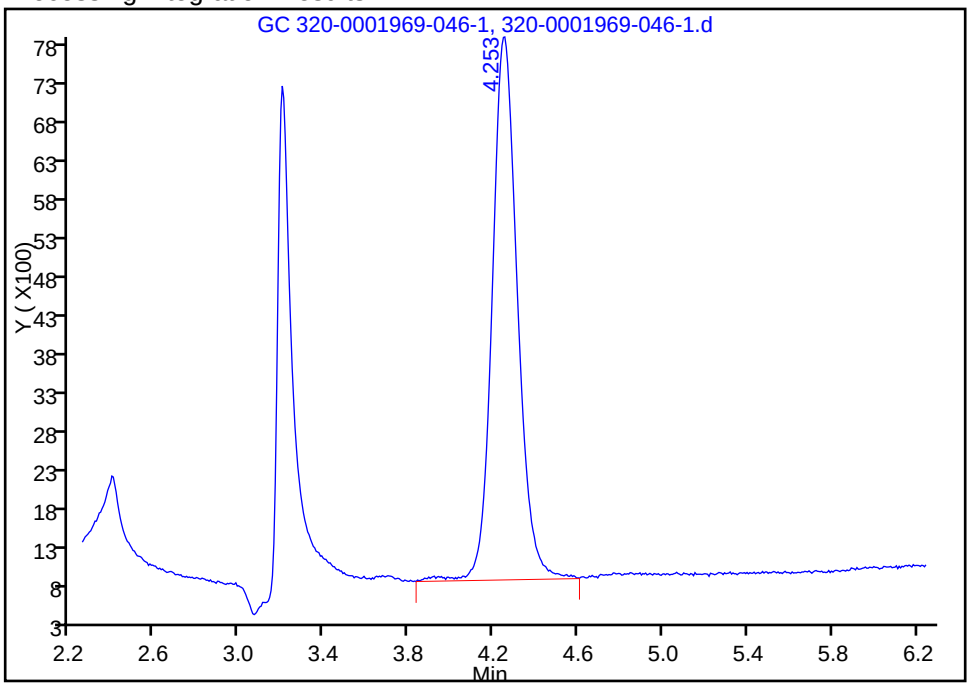
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-046-1.d		
Injection Date:	27-Dec-2012 02:28:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	46
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

1 Nitroguanidine, Signal: 1, Type: quant, RT: 4.25

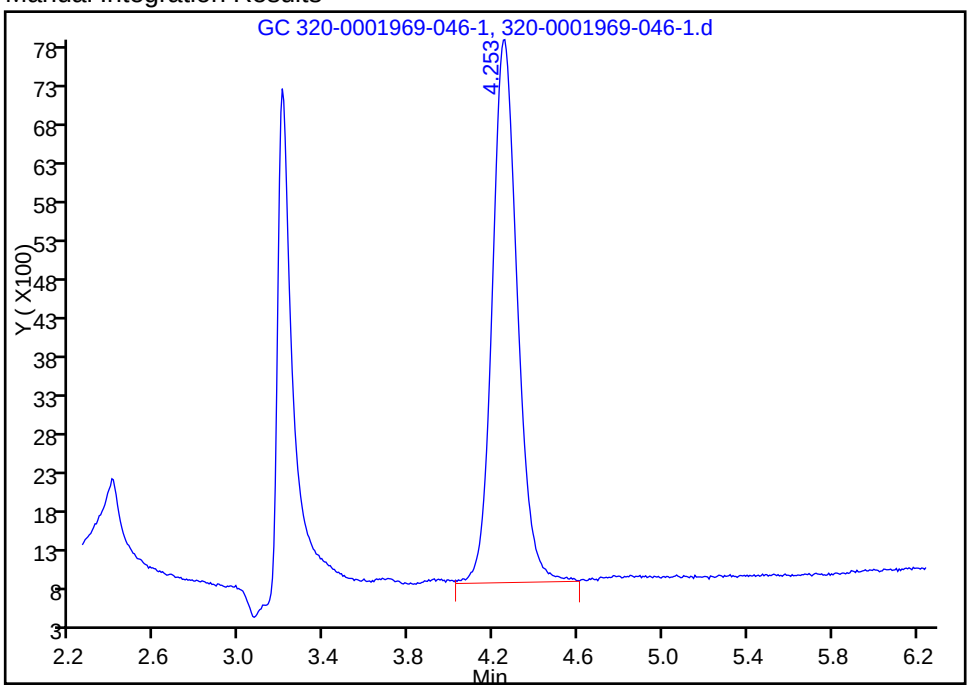
Processing Integration Results

RT: 4.25
Response: 7013
Amount: 194.0599



Manual Integration Results

RT: 4.25
Response: 7013
Amount: 194.0599



Reviewer: noonanr, 28-Dec-2012 09:03:26
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MSD Lab Sample ID: 240-18581-1 MSD

Matrix: Solid Lab File ID: 320-0001969-047-1.d

Analysis Method: 8330 Modified Date Collected: 12/07/2012 11:45

Extraction Method: Sieve/Ultrasoni Date Extracted: 12/20/2012 09:42

Sample wt/vol: 2.04(g) Date Analyzed: 12/27/2012 02:42

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 7855 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.950		0.25	0.039	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-047-1.d		
Lims ID:	240-18581-N-1-E MSD	Client ID:	070SB-0042M-0002-SO
Inject. Date:	27-Dec-2012 02:42:00	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	320-0001969-047 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	7855	Lims Sample ID:	47
Detector:	GC 320-0001969-047-1		
Method:	\\SACChrom\ChromData\PDA1\20121226-1969.b\NGu Primary.m		
Last Update:	28-Dec-2012 09:03:26	Calib Date:	26-Dec-2012 14:30:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121226-1966.b\320-0001966-009-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK013		

First Level Reviewer: noonanr Date: 28-Dec-2012 09:03:45

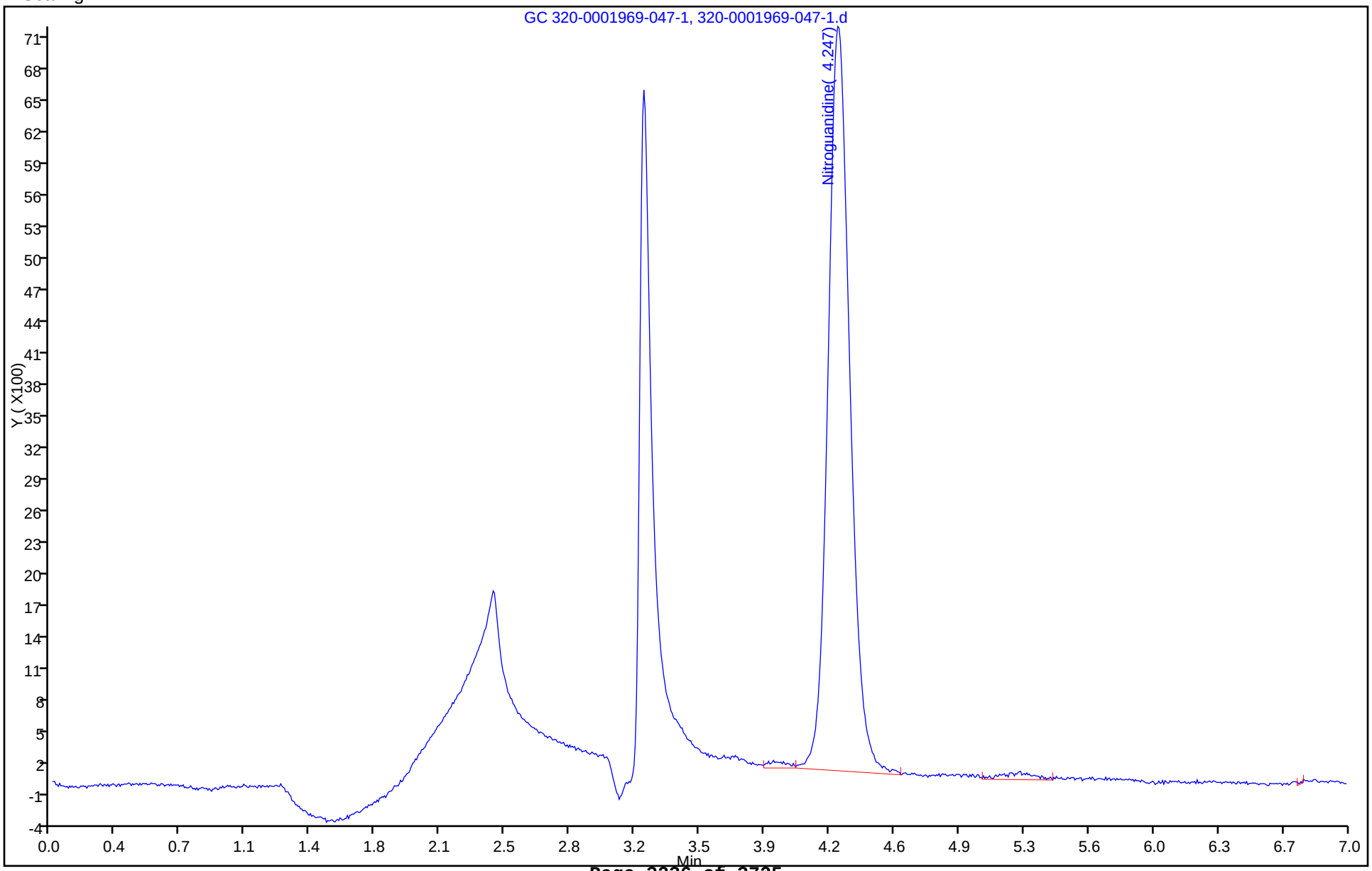
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.247	4.247	0.0	7002	193.8	

Report Date: 28-Dec-2012 09:03:45 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121226-1969.b\320-0001969-047-1.d		
Injection Date:	27-Dec-2012 02:42:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	PDA1
Lims Batch ID:	7855	Lims Sample ID:	47
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: PDA1 Start Date: 12/26/2012 13:04

Analysis Batch Number: 7846 End Date: 12/26/2012 15:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/26/2012 13:04	1		Luna NH2 4.6(mm)
STD02 320-7846/4 IC		12/26/2012 13:18	1	320-0001966-004 -1.d	Luna NH2 4.6(mm)
STD03 320-7846/5 IC		12/26/2012 13:32	1	320-0001966-005 -1.d	Luna NH2 4.6(mm)
STD04 320-7846/6 IC		12/26/2012 13:47	1	320-0001966-006 -1.d	Luna NH2 4.6(mm)
STD05 320-7846/7 IC		12/26/2012 14:01	1	320-0001966-007 -1.d	Luna NH2 4.6(mm)
STD06 320-7846/8 IC		12/26/2012 14:15	1	320-0001966-008 -1.d	Luna NH2 4.6(mm)
STD07 320-7846/9 IC		12/26/2012 14:30	1	320-0001966-009 -1.d	Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 14:44	1		Luna NH2 4.6(mm)
ICV 320-7846/11		12/26/2012 14:58	1	320-0001966-011 -1.d	Luna NH2 4.6(mm)
LODV 320-7846/12		12/26/2012 15:13	1	320-0001966-012 -1.d	Luna NH2 4.6(mm)
CCVL 320-7846/13		12/26/2012 15:27	1	320-0001966-013 -1.d	Luna NH2 4.6(mm)

8330 Modified

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: PDA1 Start Date: 12/26/2012 15:41

Analysis Batch Number: 7855 End Date: 12/27/2012 05:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/26/2012 15:41	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 15:56	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 16:10	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 16:24	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 16:39	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 16:53	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 17:08	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 17:22	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 17:36	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 17:51	1		Luna NH2 4.6(mm)
CCV 320-7855/11		12/26/2012 18:05	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 18:19	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 18:34	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 18:48	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 19:03	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 19:17	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 19:31	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 19:46	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 20:00	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 20:14	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 20:29	1		Luna NH2 4.6(mm)
CCV 320-7855/22		12/26/2012 20:43	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 20:58	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 21:12	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 21:26	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 21:41	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 21:55	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 22:09	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 22:24	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 22:38	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 22:53	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 23:07	1		Luna NH2 4.6(mm)
CCV 320-7855/33		12/26/2012 23:21	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 23:36	1		Luna NH2 4.6(mm)
ZZZZZ		12/26/2012 23:50	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 00:04	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 00:19	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 00:33	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 00:47	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 01:02	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 01:16	1		Luna NH2 4.6(mm)
CCV 320-7855/42		12/27/2012 01:31	1	320-0001969-042 -1.d	Luna NH2 4.6(mm)
MB 320-7654/1-A		12/27/2012 01:45	1	320-0001969-043 -1.d	Luna NH2 4.6(mm)

8330 Modified

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: PDA1 Start Date: 12/26/2012 15:41

Analysis Batch Number: 7855 End Date: 12/27/2012 05:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
LCS 320-7654/2-A		12/27/2012 01:59	1	320-0001969-044 -1.d	Luna NH2 4.6(mm)
240-18581-1	070SB-0042M-0001-SO	12/27/2012 02:14	1	320-0001969-045 -1.d	Luna NH2 4.6(mm)
240-18581-1 MS	070SB-0042M-0001-SO MS	12/27/2012 02:28	1	320-0001969-046 -1.d	Luna NH2 4.6(mm)
240-18581-1 MSD	070SB-0042M-0001-SO MSD	12/27/2012 02:42	1	320-0001969-047 -1.d	Luna NH2 4.6(mm)
240-18581-3	070SB-044M-0001-SO	12/27/2012 02:57	1	320-0001969-048 -1.d	Luna NH2 4.6(mm)
240-18581-5	070SB-046M-0001-SO	12/27/2012 03:11	1	320-0001969-049 -1.d	Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 03:25	1		Luna NH2 4.6(mm)
CCV 320-7855/51		12/27/2012 03:40	1	320-0001969-051 -1.d	Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 03:54	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 04:08	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 04:23	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 04:37	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 04:51	1		Luna NH2 4.6(mm)
ZZZZZ		12/27/2012 05:06	1		Luna NH2 4.6(mm)
CCV 320-7855/58		12/27/2012 05:20	1		Luna NH2 4.6(mm)
CCVL 320-7855/59		12/27/2012 05:34	1	320-0001969-059 -1.d	Luna NH2 4.6(mm)

8330 Modified

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Batch Number: 7654 Batch Start Date: 12/20/12 09:42 Batch Analyst: Phan, Tuan

Batch Method: Sieve/Ultrasoni Batch End Date: 12/24/12 02:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNQSP 00006			
MB 320-7654/1		Sieve/Ultrasoni, 8330 Modified		2.00 g	10 mL				
LCS 320-7654/2		Sieve/Ultrasoni, 8330 Modified		2.00 g	10 mL	40 uL			
240-18581-N-1	070SB-0042M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.01 g	10 mL				
240-18581-N-1 MS	070SB-0042M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.05 g	10 mL	40 uL			
240-18581-N-1 MSD	070SB-0042M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.04 g	10 mL	40 uL			
240-18581-N-3	070SB-044M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	1.99 g	10 mL				
240-18581-L-5	070SB-046M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.06 g	10 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Batch Number: 7654 Batch Start Date: 12/20/12 09:42 Batch Analyst: Phan, Tuan

Batch Method: Sieve/Ultrasoni Batch End Date: 12/24/12 02:00

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	CACL2_00004
Date of Clean up	12/24/12
Analyst performed Clean Up	TP
Filter Lot #	MILLIPORE R2DA02309A
Filter Type	0.45uM
Person's name who witnessed reagent drop	HA
Blank Sand Lot #	FISHER 120571
Sonication End Date	12/21/12
Sonication Start Date	12/20/12
Sonication Start Time	10:30
Sonication Stop Time	4:30
SOP Number	WS-LC-0010
Maximum Temperature	35 Degrees C
Minimum Temperature	0 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8330B

Nitroaromatics and Nitramines (HPLC) by Method 8330B

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Synergi C18 ID: 4.6 (mm) GC Column (2): Zorbax CN 4.6 (mm)

Client Sample ID	Lab Sample ID	DNT1 #	DNT2 #
070SB-0042M-0001-SO	240-18581-1	101	
070SB-0042M-0001-SO	240-18581-1		286 Q
070SB-044M-0001-SO	240-18581-3	100	
070SB-046M-0001-SO	240-18581-5	97	
	MB 320-7655/1-A	96	
	MB 320-7655/1-A		88 M
	LCS 320-7655/2-A	99	
070SB-0042M-0001-SO MS	240-18581-1 MS	101	
070SB-0042M-0001-SO MSD	240-18581-1 MSD	108	

	QC LIMITS
DNT = 3,4-Dinitrotoluene	78-118

Column to be used to flag recovery values

FORM II 8330B

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: ZB000061.D

Lab ID: LCS 320-7655/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.500	0.488	98	79-119	
4-Amino-2,6-dinitrotoluene	0.500	0.506	101	81-121	
1,3-Dinitrobenzene	0.500	0.507	101	81-121	
2,4-Dinitrotoluene	0.500	0.496	99	79-119	
2,6-Dinitrotoluene	0.500	0.492	98	79-119	
HMX	0.500	0.507	101	80-120	
Nitrobenzene	0.500	0.499	100	80-120	
Nitroglycerin	1.00	0.978	98	76-116	
2-Nitrotoluene	0.500	0.482	96	78-118	
3-Nitrotoluene	0.500	0.479	96	77-117	
4-Nitrotoluene	0.500	0.479	96	78-118	
PETN	1.00	1.01	101	76-116	
RDX	0.500	0.503	101	82-122	
Tetryl	0.500	0.471	94	63-120	
1,3,5-Trinitrobenzene	0.500	0.497	99	81-121	
2,4,6-Trinitrotoluene	0.500	0.469	94	65-105	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: ZB000063.D

Lab ID: 240-18581-1 MS Client ID: 070SB-0042M-0001-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.492	0.048 U	0.501	102	79-119	
4-Amino-2,6-dinitrotoluene	0.492	0.13 J	0.582	92	81-121	
1,3-Dinitrobenzene	0.492	0.048 U	0.521	106	81-121	
2,4-Dinitrotoluene	0.492	0.048 U	0.479	97	79-119	
2,6-Dinitrotoluene	0.492	0.048 U	0.501	102	79-119	
HMX	0.492	0.048 U	0.486	99	80-120	
Nitrobenzene	0.492	0.078 J	0.545	95	80-120	
Nitroglycerin	0.983	0.24 U	0.958	97	76-116	
2-Nitrotoluene	0.492	0.048 U	0.490	100	78-118	
3-Nitrotoluene	0.492	0.048 U	0.495	101	77-117	
4-Nitrotoluene	0.492	0.048 U	0.493	100	78-118	
PETN	0.983	0.24 U	0.966	98	76-116	
RDX	0.492	0.048 U	0.446	91	82-122	
Tetryl	0.492	0.048 U	0.489	99	63-120	
1,3,5-Trinitrobenzene	0.492	0.048 U	0.472	96	81-121	
2,4,6-Trinitrotoluene	0.492	0.048 U	0.493	100	65-105	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: ZB000064.D

Lab ID: 240-18581-1 MSD Client ID: 070SB-0042M-0001-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.499	0.526	105	5	20	79-119	
4-Amino-2,6-dinitrotoluene	0.499	0.609	96	4	20	81-121	
1,3-Dinitrobenzene	0.499	0.528	106	1	20	81-121	
2,4-Dinitrotoluene	0.499	0.493	99	3	20	79-119	
2,6-Dinitrotoluene	0.499	0.526	105	5	20	79-119	
HMX	0.499	0.495	99	2	20	80-120	
Nitrobenzene	0.499	0.566	98	4	20	80-120	
Nitroglycerin	0.998	0.968	97	1	20	76-116	
2-Nitrotoluene	0.499	0.516	103	5	20	78-118	
3-Nitrotoluene	0.499	0.524	105	6	20	77-117	
4-Nitrotoluene	0.499	0.515	103	4	20	78-118	
PETN	0.998	0.938	94	3	20	76-116	M
RDX	0.499	0.458	92	3	20	82-122	
Tetryl	0.499	0.499	100	2	20	63-120	
1,3,5-Trinitrobenzene	0.499	0.475	95	1	20	81-121	
2,4,6-Trinitrotoluene	0.499	0.509	102	3	20	65-105	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: MB 320-7655/1-A

Matrix: Solid Date Extracted: 12/20/2012 09:53

Lab File ID:(1) ZB000060.D Lab File ID:(2) B000015.D

Date Analyzed:(1) 12/30/2012 00:33 Date Analyzed:(2) 01/03/2013 01:44

Instrument ID:(1) LC10 Instrument ID:(2) LC12

GC Column:(1) Synergi C18 ID: 4.6(mm) GC Column:(2) Zorbax CN ID: 4.6(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 320-7655/2-A	12/30/2012 01:13	
070SB-0042M-0001-SO	240-18581-1	12/30/2012 01:53	01/03/2013 02:50
070SB-0042M-0001-SO MS	240-18581-1 MS	12/30/2012 02:34	
070SB-0042M-0001-SO MSD	240-18581-1 MSD	12/30/2012 03:14	
070SB-044M-0001-SO	240-18581-3	12/30/2012 03:54	
070SB-046M-0001-SO	240-18581-5	12/30/2012 04:35	

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 320-8012/67 Date Analyzed: 12/29/2012 23:13

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm)

Lab File ID (Standard): ZB000058.D Heated Purge: (Y/N) N

Calibration ID: 1202

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT RT #		
CONTINUING CALIBRATION SURROGATE				16.67		
UPPER LIMIT				16.87		
LOWER LIMIT				16.47		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-8012/67 CCVRT		12/29/2012 23:13	ZB000058.D	16.67		
CCVL 320-8012/30		12/29/2012 23:53	ZB000059.D	16.64		
MB 320-7655/1-A		12/30/2012 00:33	ZB000060.D	16.65		
LCS 320-7655/2-A		12/30/2012 01:13	ZB000061.D	16.71		
240-18581-1	070SB-0042M-0001-SO	12/30/2012 01:53	ZB000062.D	16.73		
240-18581-1 MS	070SB-0042M-0001-SO MS	12/30/2012 02:34	ZB000063.D	16.63		
240-18581-1 MSD	070SB-0042M-0001-SO MSD	12/30/2012 03:14	ZB000064.D	16.65		
240-18581-3	070SB-044M-0001-SO	12/30/2012 03:54	ZB000065.D	16.69		
240-18581-5	070SB-046M-0001-SO	12/30/2012 04:35	ZB000066.D	16.73		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 320-8012/38 Date Analyzed: 12/30/2012 05:15

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm)

Lab File ID (Standard): ZB000067.D Heated Purge: (Y/N) N

Calibration ID: 1202

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT RT #		
CONTINUING CALIBRATION SURROGATE				16.69		
UPPER LIMIT				16.89		
LOWER LIMIT				16.49		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-8012/38 CCVRT		12/30/2012 05:15	ZB000067.D	16.69		
CCVL 320-8012/39		12/30/2012 05:55	ZB000068.D	16.71		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 320-8144/13 Date Analyzed: 01/02/2013 23:33

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm)

Lab File ID (Standard): B000013.D Heated Purge: (Y/N) N

Calibration ID: 1330

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT RT #		
CONTINUING CALIBRATION SURROGATE				35.74		
UPPER LIMIT				35.94		
LOWER LIMIT				35.54		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-8144/13 CCVRT		01/02/2013 23:33	B000013.D	35.74		
CCVL 320-8144/14		01/03/2013 00:39	B000014.D	36.26 *		
MB 320-7655/1-A		01/03/2013 01:44	B000015.D	36.14 *		
240-18581-1	070SB-0042M-0001-SO	01/03/2013 02:50	B000016.D	36.20 *		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Sample No.: CCV 320-8144/17 Date Analyzed: 01/03/2013 10:28

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm)

Lab File ID (Standard): B000023.D Heated Purge: (Y/N) N

Calibration ID: 1330

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				36.10		
UPPER LIMIT				36.30		
LOWER LIMIT				35.90		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-8144/17 CCVRT		01/03/2013 10:28	B000023.D	36.10		
CCVL 320-8144/18		01/03/2013 11:34	B000024.D	36.08		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO Lab Sample ID: 240-18581-1

Instrument ID (1): LC10 Instrument ID (2): LC12

Date Analyzed (1): 12/30/2012 01:53 Date Analyzed (2): 01/03/2013 02:50

GC Column (1): Synergi C18 ID: 4.6(mm) GC Column (2): Zorbax CN ID: 4.6(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Nitrobenzene	1		14.22	13.93	14.43	0.078		38.5
	2		20.65	20.29	20.79	0.053		

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO | Lab Sample ID: 240-18581-1

Matrix: Solid | Lab File ID: ZB000062.D

Analysis Method: 8330B | Date Collected: 12/07/2012 11:45

Extraction Method: 8330B | Date Extracted: 12/20/2012 09:53

Sample wt/vol: 10.32(g) | Date Analyzed: 12/30/2012 01:53

Con. Extract Vol.: 80(mL) | Dilution Factor: 1

Injection Volume: 500(uL) | GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 8012 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.048	U	0.24	0.048	0.012
99-65-0	1,3-Dinitrobenzene	0.048	U J	0.24	0.048	0.0041
121-14-2	2,4-Dinitrotoluene	0.048	U	0.24	0.048	0.0051
606-20-2	2,6-Dinitrotoluene	0.048	U J	0.24	0.048	0.0071
2691-41-0	HMX	0.048	U J	0.24	0.048	0.012
98-95-3	Nitrobenzene	0.078	J	0.24	0.048	0.017
55-63-0	Nitroglycerin	0.24	U	0.48	0.24	0.015
88-72-2	2-Nitrotoluene	0.048	U J	0.24	0.048	0.013
99-08-1	3-Nitrotoluene	0.048	U	0.24	0.048	0.015
99-99-0	4-Nitrotoluene	0.048	U J	0.24	0.048	0.018
78-11-5	PETN	0.24	U	0.48	0.24	0.024
121-82-4	RDX	0.048	U	0.24	0.048	0.012
479-45-8	Tetryl	0.048	U	0.24	0.048	0.0097
99-35-4	1,3,5-Trinitrobenzene	0.048	U	0.24	0.048	0.0097
118-96-7	2,4,6-Trinitrotoluene	0.048	U	0.24	0.048	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	101		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000062.D		
Lims ID:	240-18581-N-1-F	Client ID:	070SB-0042M-0001-SO
Inject. Date:	30-Dec-2012 01:53:49	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001996-033		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	36
Lims Batch ID:	8012	Lims Sample ID:	33
Method:	\\SACChrom\ChromData\LC10\20121228-1996.b\8330_LC10.m		
Last Update:	02-Jan-2013 10:17:57	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK004		

First Level Reviewer: noonanr Date: 02-Jan-2013 10:17:57

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	14.219	14.177	0.042	745	10.1	
26 4-Amino-2,6-dinitrotoluene						
1	16.249	16.167	0.082	1264	16.7	
$ 30 3,4-Dinitrotoluene						
1	16.729	16.714	0.015	3558	63.2	
2	16.716	16.767	-0.051	6688	64.7	

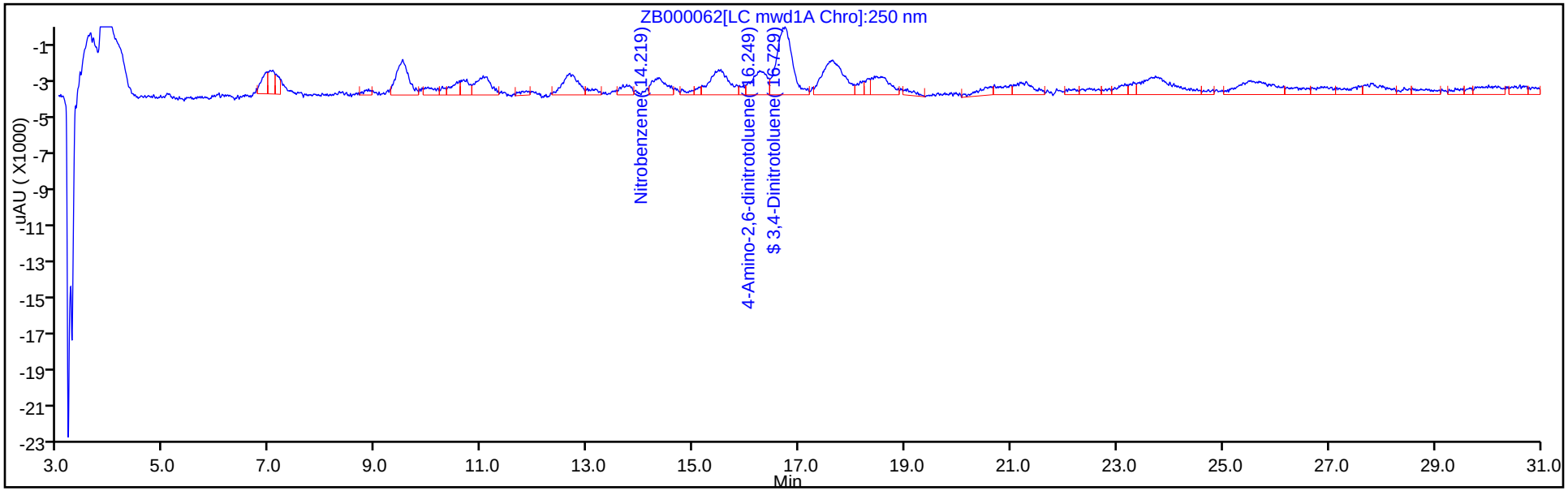
Report Date: 02-Jan-2013 10:17:57 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica Sacramento

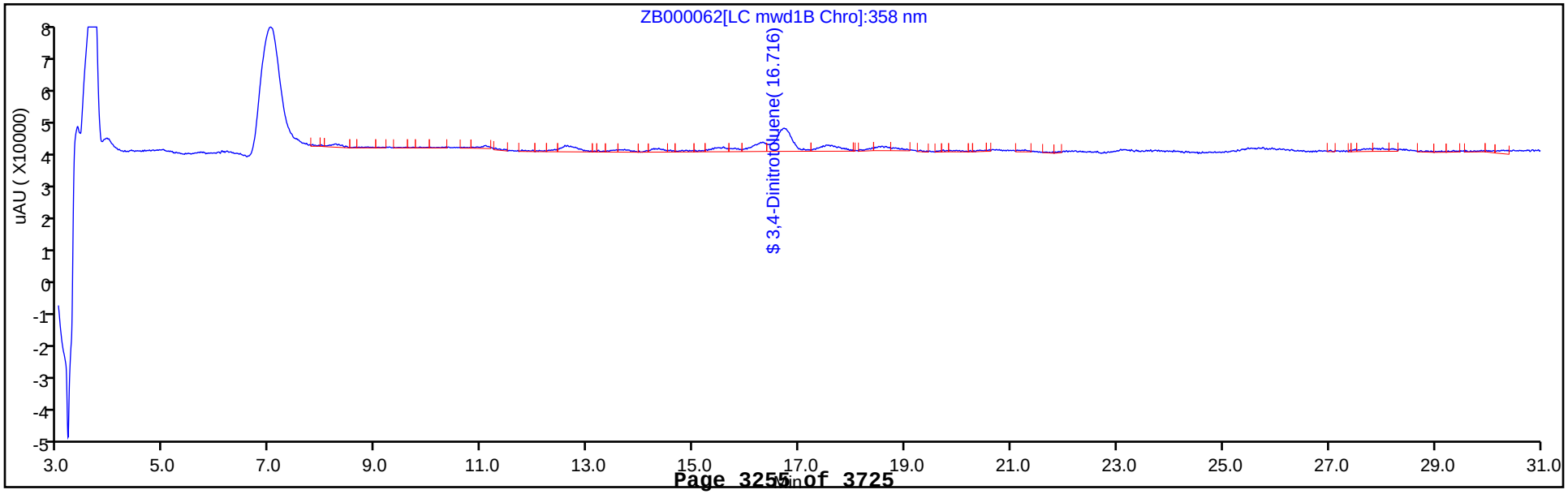
Data File: \\SACChrom\ChromData\LC10\20121228-1996.b\ZB000062.D

Injection Date:	30-Dec-2012 01:53:49	Limit Group:	LC 8330B ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	33
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO Lab Sample ID: 240-18581-1

Matrix: Solid Lab File ID: B000016.D

Analysis Method: 8330B Date Collected: 12/07/2012 11:45

Extraction Method: 8330B Date Extracted: 12/20/2012 09:53

Sample wt/vol: 10.32(g) Date Analyzed: 01/03/2013 02:50

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 8144 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
19406-51-0	4-Amino-2,6-dinitrotoluene	0.048	U	0.24	0.048	0.0097

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	286	Q	78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130102-2037.b\B000016.D		
Lims ID:	240-18581-N-1-F	Client ID:	070SB-0042M-0001-SO
Inject. Date:	03-Jan-2013 02:50:01	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0002037-016		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	21
Lims Batch ID:	8144	Lims Sample ID:	16
Method:	\\SACChrom\ChromData\LC12\20130102-2037.b\LC12_Conf_8330.m		
Last Update:	03-Jan-2013 07:54:08	Calib Date:	19-Nov-2012 14:12:43
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20121116-1443.b\P000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK024		

First Level Reviewer: noonanr Date: 03-Jan-2013 07:54:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	20.653	20.543	0.110	312	6.84	
24 1,3-Dinitrobenzene						M
1	23.286	23.270	0.016	1967	19.6	M
16 o-Nitrotoluene						
1	27.330	27.390	-0.060	1005	16.5	
15 p-Nitrotoluene						
1	27.330	27.390	-0.060	1005	16.5	
12 2,6-Dinitrotoluene						M
1	31.830	31.760	0.070	2809	51.7	M
6 2-Amino-4,6-dinitrotoluene						
1	33.743	33.813	-0.070	242	3.19	
$ 30 3,4-Dinitrotoluene						
1	36.200	36.263	-0.063	8628	178.6	
11 HMX						M
1	40.753	40.767	-0.014	3775	60.5	M

QC Flag Legend

Review Flags
M - Manually Integrated

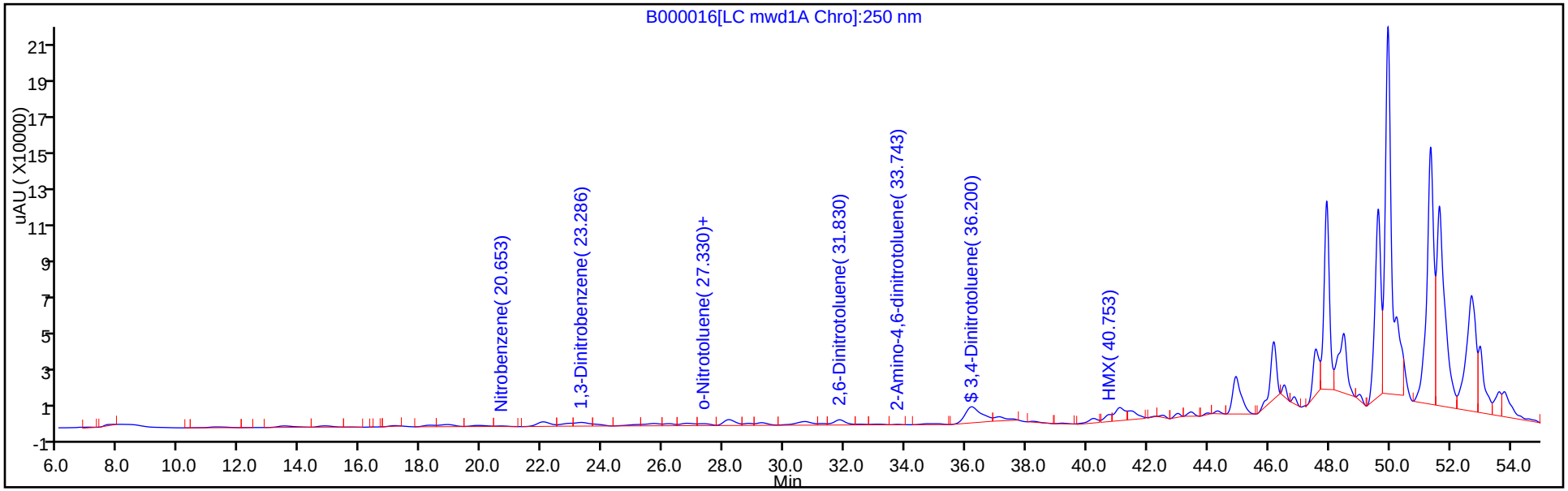
Report Date: 03-Jan-2013 07:54:08 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica Sacramento

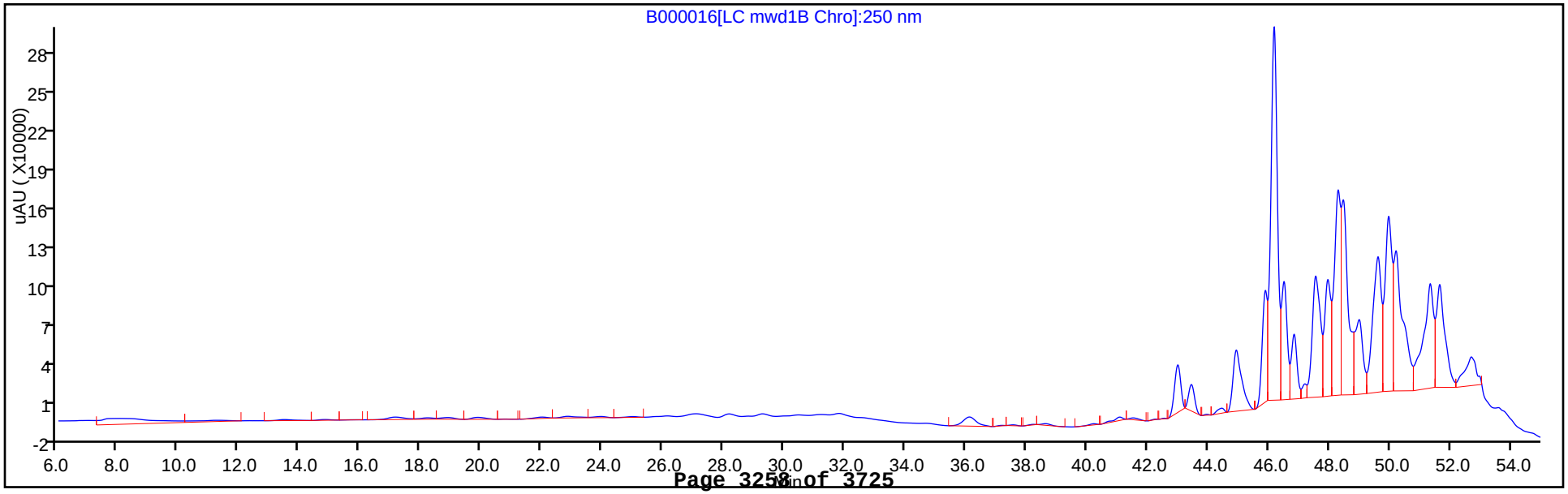
Data File: \\SACChrom\ChromData\LC12\20130102-2037.b\B000016.D

Injection Date:	03-Jan-2013 02:50:01	Limit Group:	LC 8330B ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	LC12
Lims Batch ID:	8144	Lims Sample ID:	16
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

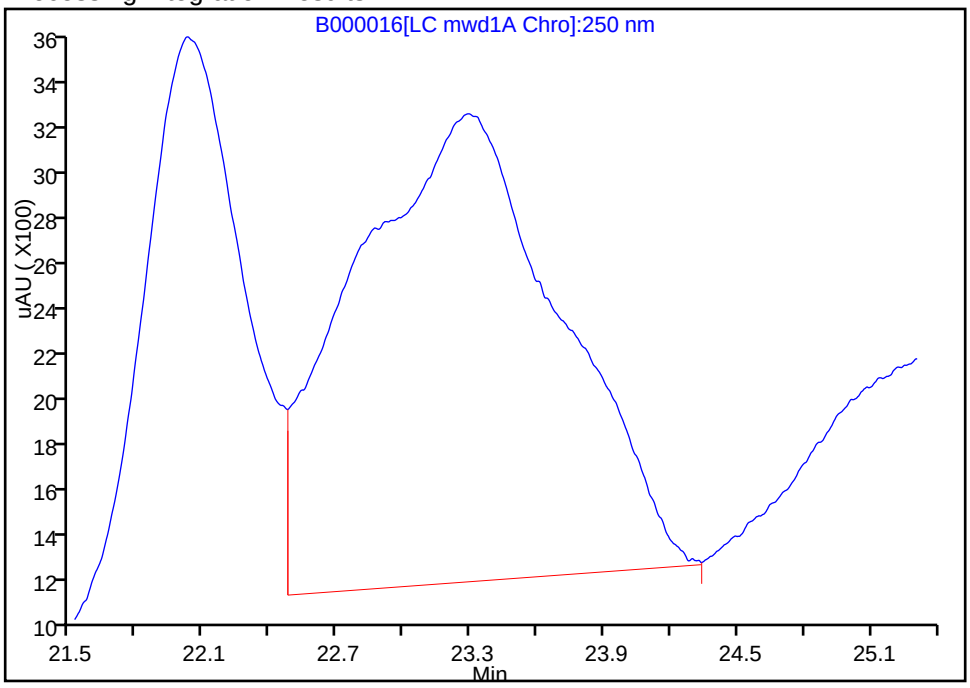
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130102-2037.b\B000016.D		
Injection Date:	03-Jan-2013 02:50:01	Limit Group:	LC 8330B ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	LC12
Lims Batch ID:	8144	Lims Sample ID:	16
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

24 1,3-Dinitrobenzene, Signal: 1, Type: quant, RT: 23.27, Det: LC mwd1A

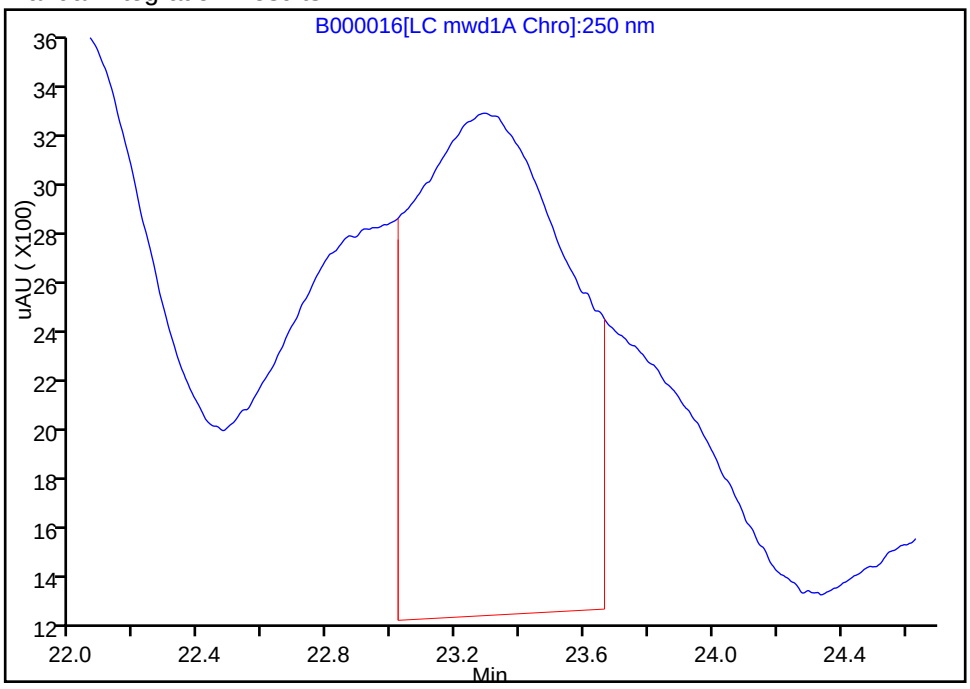
Processing Integration Results

RT: 23.29
Response: 1966
Amount: 19.584599



Manual Integration Results

RT: 23.29
Response: 1967
Amount: 19.594561



Reviewer: noonanr, 03-Jan-2013 07:54:08
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

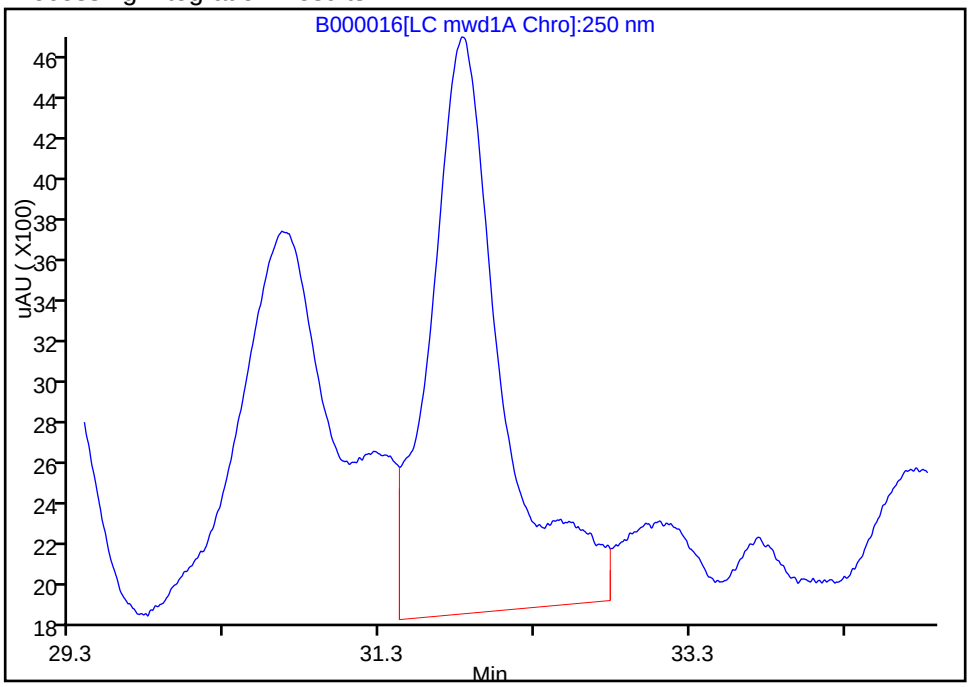
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130102-2037.b\B000016.D		
Injection Date:	03-Jan-2013 02:50:01	Limit Group:	LC 8330B ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	LC12
Lims Batch ID:	8144	Lims Sample ID:	16
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

12 2,6-Dinitrotoluene, Signal: 1, Type: quant, RT: 31.76, Det: LC mwd1A

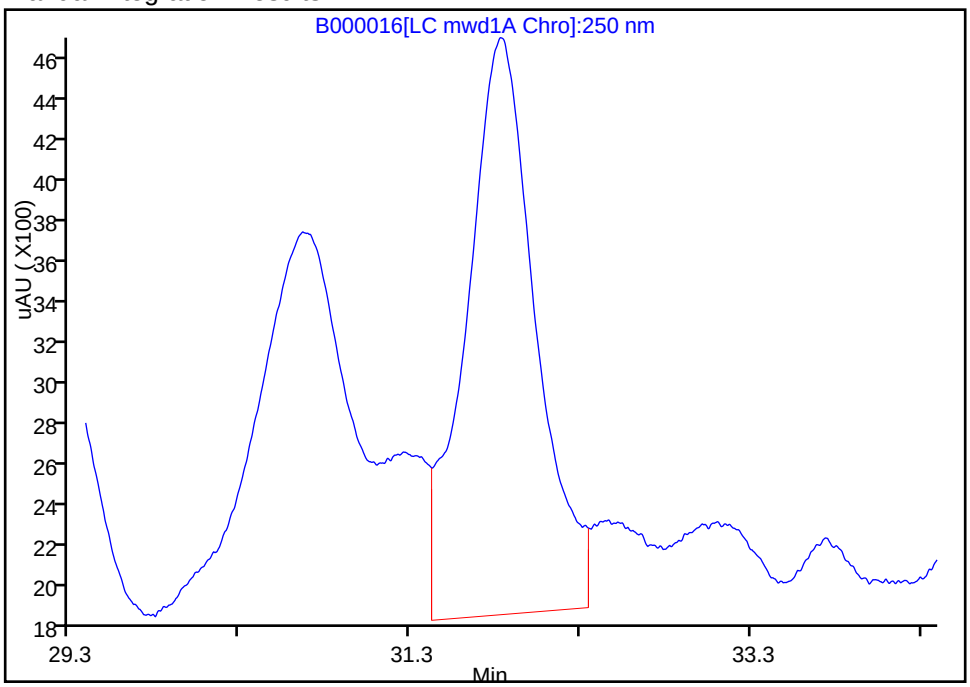
Processing Integration Results

RT: 31.83
Response: 2809
Amount: 51.675926



Manual Integration Results

RT: 31.83
Response: 2809
Amount: 51.675926



Reviewer: noonanr, 03-Jan-2013 07:54:08
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

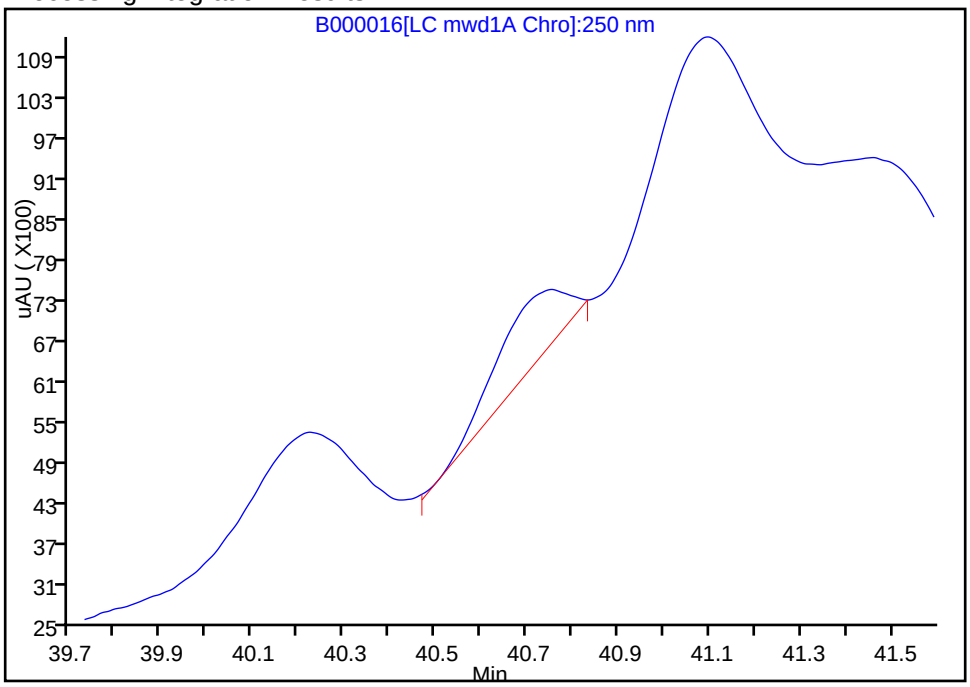
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130102-2037.b\B000016.D		
Injection Date:	03-Jan-2013 02:50:01	Limit Group:	LC 8330B ICAL
Client ID:	070SB-0042M-0001-SO	Instrument ID:	LC12
Lims Batch ID:	8144	Lims Sample ID:	16
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

11 HMX, Signal: 1, Type: quant, RT: 40.77, Det: LC mwd1A

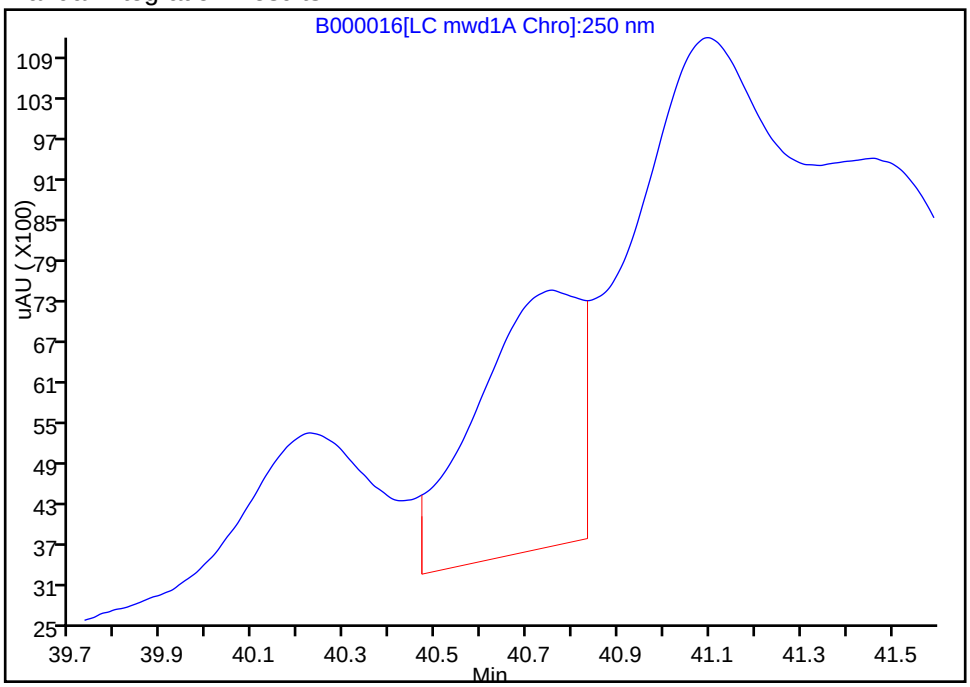
Processing Integration Results

RT: 40.76
Response: 777
Amount: 12.445715



Manual Integration Results

RT: 40.75
Response: 3775
Amount: 60.466634



Reviewer: noonanr, 03-Jan-2013 07:54:08
Audit Action: Assigned New Baseline
Audit Reason: Baseline

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-044M-0001-SO Lab Sample ID: 240-18581-3

Matrix: Solid Lab File ID: ZB000065.D

Analysis Method: 8330B Date Collected: 12/07/2012 11:15

Extraction Method: 8330B Date Extracted: 12/20/2012 09:53

Sample wt/vol: 10.41(g) Date Analyzed: 12/30/2012 03:54

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 8012 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.048	U	0.24	0.048	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.048	U	0.24	0.048	0.0096
99-65-0	1,3-Dinitrobenzene	0.048	U	0.24	0.048	0.0040
121-14-2	2,4-Dinitrotoluene	0.048	U	0.24	0.048	0.0051
606-20-2	2,6-Dinitrotoluene	0.048	U	0.24	0.048	0.0070
2691-41-0	HMX	0.048	U	0.24	0.048	0.012
98-95-3	Nitrobenzene	0.048	U	0.24	0.048	0.017
55-63-0	Nitroglycerin	0.24	U	0.48	0.24	0.014
88-72-2	2-Nitrotoluene	0.048	U	0.24	0.048	0.012
99-08-1	3-Nitrotoluene	0.048	U	0.24	0.048	0.015
99-99-0	4-Nitrotoluene	0.048	U	0.24	0.048	0.017
78-11-5	PETN	0.24	U	0.48	0.24	0.024
121-82-4	RDX	0.048	U	0.24	0.048	0.012
479-45-8	Tetryl	0.048	U	0.24	0.048	0.0096
99-35-4	1,3,5-Trinitrobenzene	0.048	U	0.24	0.048	0.0096
118-96-7	2,4,6-Trinitrotoluene	0.048	U	0.24	0.048	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	100		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000065.D		
Lims ID:	240-18581-N-3-D	Client ID:	070SB-044M-0001-SO
Inject. Date:	30-Dec-2012 03:54:57	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001996-036		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	39
Lims Batch ID:	8012	Lims Sample ID:	36
Method:	\\SACChrom\ChromData\LC10\20121228-1996.b\8330_LC10.m		
Last Update:	31-Dec-2012 12:51:46	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 31-Dec-2012 12:51:46

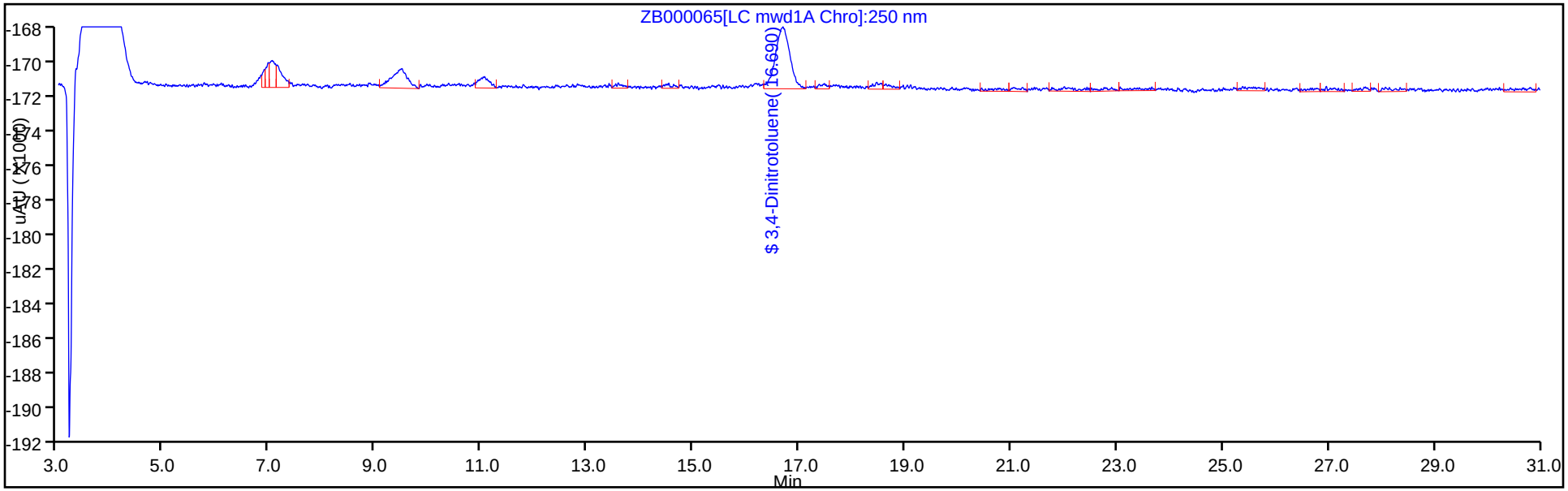
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	16.690	16.639	0.051	3506	62.3	
2	16.697	16.642	0.055	6459	62.5	

Report Date: 31-Dec-2012 12:51:46 Chrom Revision: 2.1 24-Dec-2012 15:14:58

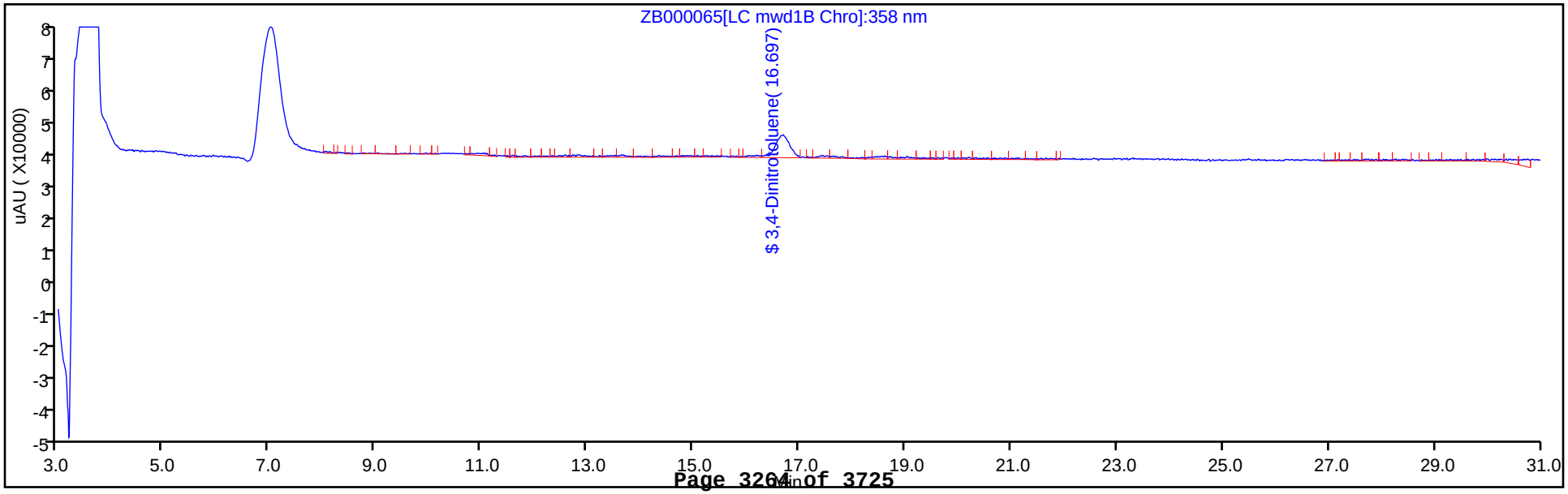
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000065.D		
Injection Date:	30-Dec-2012 03:54:57	Limit Group:	LC 8330B ICAL
Client ID:	070SB-044M-0001-SO	Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	36
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-046M-0001-SO | Lab Sample ID: 240-18581-5

Matrix: Solid | Lab File ID: ZB000066.D

Analysis Method: 8330B | Date Collected: 12/07/2012 10:50

Extraction Method: 8330B | Date Extracted: 12/20/2012 09:53

Sample wt/vol: 10.05(g) | Date Analyzed: 12/30/2012 04:35

Con. Extract Vol.: 80(mL) | Dilution Factor: 1

Injection Volume: 500(uL) | GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 8012 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0073
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.018
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.050	U	0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	97		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000066.D		
Lims ID:	240-18581-L-5-D	Client ID:	070SB-046M-0001-SO
Inject. Date:	30-Dec-2012 04:35:14	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001996-037		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	40
Lims Batch ID:	8012	Lims Sample ID:	37
Method:	\\SACChrom\ChromData\LC10\20121228-1996.b\8330_LC10.m		
Last Update:	31-Dec-2012 12:52:11	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 31-Dec-2012 12:52:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	16.731	16.639	0.092	3426	60.8	
2	16.735	16.642	0.093	6659	64.5	

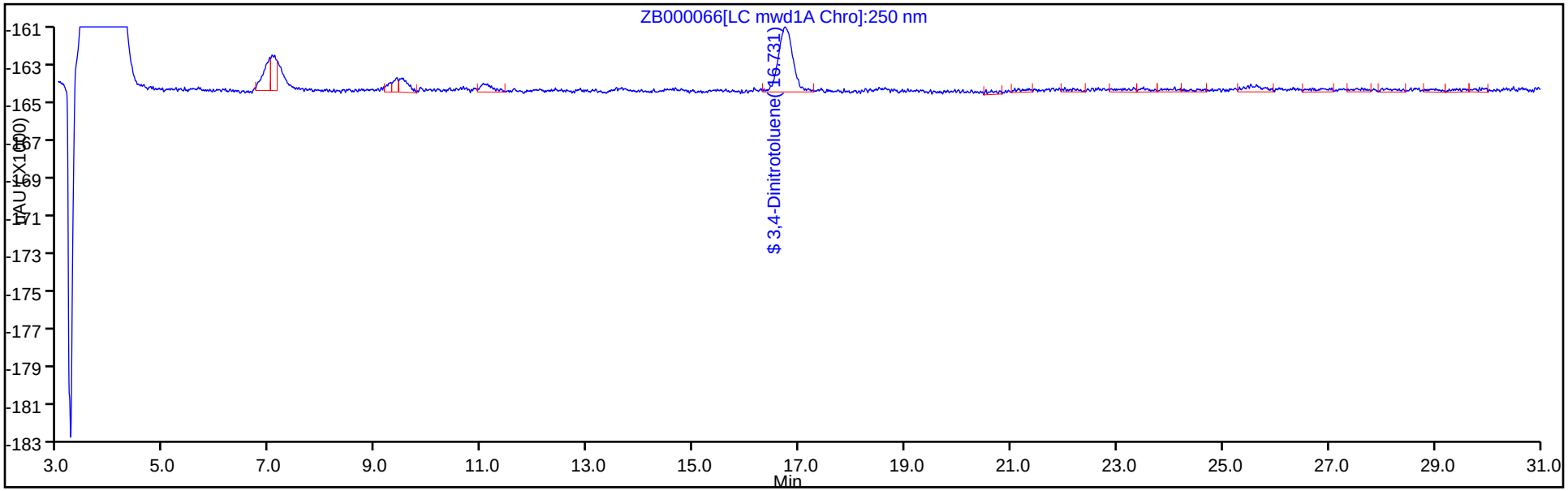
Report Date: 31-Dec-2012 12:52:11 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

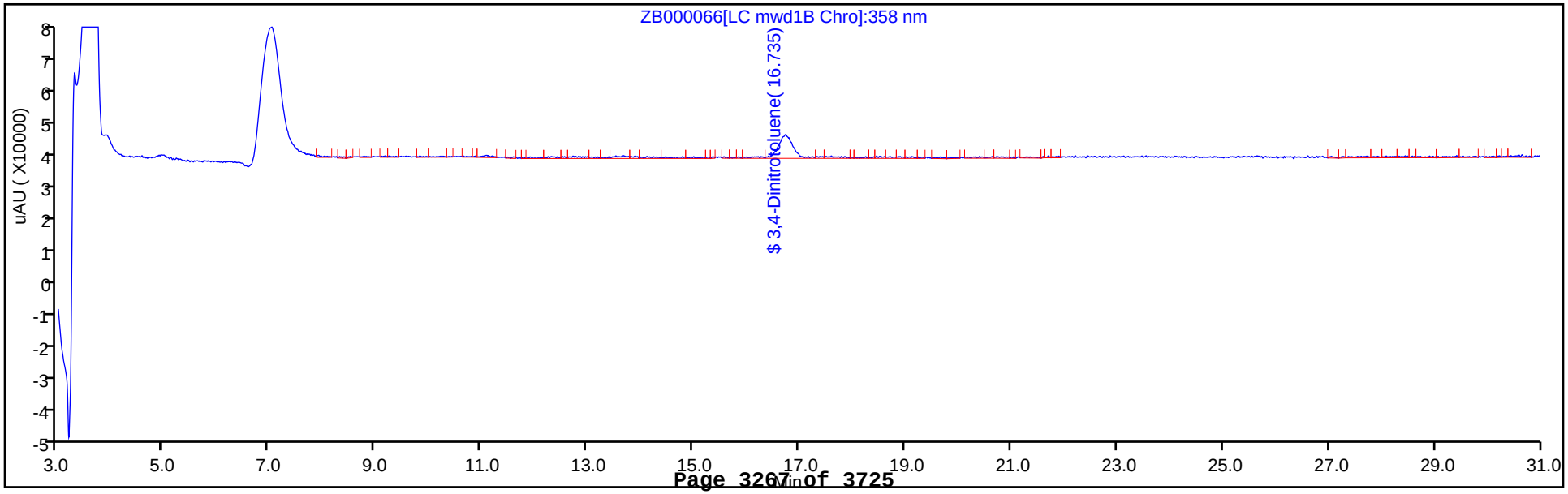
Data File: \\SACChrom\ChromData\LC10\20121228-1996.b\ZB000066.D

Injection Date:	30-Dec-2012 04:35:14	Limit Group:	LC 8330B ICAL
Client ID:	070SB-046M-0001-SO	Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	37
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-3377/2	A-000006.D
Level 2	STD02 320-3377/3	A-000007.D
Level 3	STD03 320-3377/4	A-000008.D
Level 4	STD04 320-3377/5	A-000009.D
Level 5	STD05 320-3377/6	A-000010.D
Level 6	STD06 320-3377/7	A-000011.D
Level 7	STD07 320-3377/8	A-000012.D
Level 8	STD08 320-3377/9	A-000013.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
HMX	5.240	5.235	5.238	5.235	5.235	5.233	5.219	5.195			4.985 - 5.485	5.229
RDX	7.593	7.588	7.585	7.585	7.579	7.573	7.552	7.512			7.329 - 7.829	7.571
Ethylene glycol dinitrate	+++++	+++++	8.312	8.302	8.305	8.296	8.275	8.245			8.055 - 8.555	8.294
Picric acid	8.707	8.718	8.708	8.702	8.685	8.650	8.589	8.499			8.435 - 8.935	8.657
1,3,5-Trinitrobenzene	10.003	10.012	9.998	9.995	9.992	9.986	9.965	9.925			9.742 - 10.242	9.985
1,3-Dinitrobenzene	12.673	12.699	12.688	12.692	12.682	12.677	12.652	12.602			12.432 - 12.932	12.671
3,5-Dinitroaniline	13.447	13.449	13.452	13.455	13.449	13.437	13.406	13.349			13.199 - 13.699	13.431
Tetryl	13.950	13.925	13.952	13.942	13.939	13.933	13.912	13.866			13.689 - 14.189	13.927
Nitrobenzene	14.493	14.512	14.502	14.495	14.495	14.487	14.459	14.399			14.245 - 14.745	14.480
Nitroglycerin	+++++	+++++	15.205	15.209	15.202	15.197	15.172	15.126			14.952 - 15.452	15.185
2,4,6-Trinitrotoluene	16.083	16.075	16.075	16.085	16.069	16.067	16.046	16.002			15.819 - 16.319	16.063
4-Amino-2,6-dinitrotoluene	16.557	16.665	16.622	16.635	16.619	16.607	16.579	16.519			16.369 - 16.869	16.600
2-Amino-4,6-dinitrotoluene	17.617	17.619	17.595	17.602	17.595	17.587	17.552	17.489			17.345 - 17.845	17.582
2,6-Dinitrotoluene	19.280	19.342	19.318	19.299	19.285	19.293	19.259	19.199			19.035 - 19.535	19.284
2,4-Dinitrotoluene	19.877	19.965	19.915	19.939	19.925	19.917	19.886	19.829			19.675 - 20.175	19.907
2-Nitrotoluene	23.440	23.442	23.412	23.415	23.415	23.400	23.366	23.292			23.165 - 23.665	23.398
4-Nitrotoluene	25.103	25.095	25.135	25.092	25.102	25.087	25.062	24.989			24.852 - 25.352	25.083
3-Nitrotoluene	27.057	27.122	27.035	27.059	27.052	27.060	27.016	26.939			26.802 - 27.302	27.043
PETN	+++++	+++++	29.672	29.662	29.649	29.663	29.619	29.569			29.399 - 29.899	29.625
3,4-Dinitrotoluene	17.087	17.075	17.088	17.079	17.072	17.073	17.032	16.972			16.822 - 17.322	17.060

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-3377/2	A-000006.D
Level 2	STD02 320-3377/3	A-000007.D
Level 3	STD03 320-3377/4	A-000008.D
Level 4	STD04 320-3377/5	A-000009.D
Level 5	STD05 320-3377/6	A-000010.D
Level 6	STD06 320-3377/7	A-000011.D
Level 7	STD07 320-3377/8	A-000012.D
Level 8	STD08 320-3377/9	A-000013.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
HMX	139.80 127.39	131.10 125.07	132.70 120.02	126.54 103.82	Ave		125.806000				8.5		20.0			
RDX	126.20 85.360	97.500 83.560	89.950 77.368	89.060 62.894	Ave		88.9865000				20.0		20.0			
Ethylene glycol dinitrate	+++++ 102.81	+++++ 100.64	106.60 93.280	99.580 78.274	Ave		96.8640000				10.0		20.0			
Picric acid	142.10 128.26	124.60 123.75	126.62 113.51	130.18 96.264	Ave		123.159625				11.0		20.0			
1,3,5-Trinitrobenzene	190.60 161.63	172.30 159.20	171.25 151.74	162.92 131.74	Ave		162.672500				10.0		20.0			
1,3-Dinitrobenzene	182.80 160.21	183.10 158.49	168.75 150.27	160.54 129.19	Ave		161.668750				11.0		20.0			
3,5-Dinitroaniline	130.40 101.39	110.30 101.56	102.95 97.078	103.96 83.656	Ave		103.911125				13.0		20.0			
Tetryl	110.60 82.640	87.300 84.365	81.400 83.418	84.500 78.184	Ave		86.5508750				12.0		20.0			
Nitrobenzene	96.600 71.160	77.100 71.370	75.300 67.000	72.860 58.527	Ave		73.7396250				15.0		20.0			
Nitroglycerin	+++++ 65.420	+++++ 64.655	74.350 62.646	65.760 56.481	Ave		64.8853333				8.9		20.0			
2,4,6-Trinitrotoluene	108.00 89.810	97.700 90.455	93.150 89.080	91.560 82.556	Ave		92.7888750				8.0		20.0			
4-Amino-2,6-dinitrotoluene	86.800 74.520	77.900 75.425	74.600 73.644	76.500 66.457	Ave		75.7307500				7.4		20.0			
2-Amino-4,6-dinitrotoluene	102.40 80.440	89.400 81.200	84.350 78.808	81.480 70.652	Ave		83.5912500				11.0		20.0			
2,6-Dinitrotoluene	77.800 56.200	62.900 57.230	57.300 55.882	58.140 51.202	Ave		59.5817500				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
2,4-Dinitrotoluene	109.40 93.730	102.00 94.515	96.050 92.458	94.760 84.833	Ave		95.9682500				7.5		20.0			
2-Nitrotoluene	58.800 41.500	51.400 40.795	46.600 39.480	41.280 36.585	Ave		44.5550000				16.0		20.0			
4-Nitrotoluene	65.200 50.470	61.200 50.165	55.000 48.764	50.940 45.695	Ave		53.4292500				12.0		20.0			
3-Nitrotoluene	67.800 50.030	60.900 50.960	54.550 49.432	51.100 46.712	Ave		53.9355000				13.0		20.0			
PETN	+++++ 36.310	+++++ 35.540	40.050 35.620	38.100 34.728	Ave		36.7246667				5.4		20.0			
3,4-Dinitrotoluene	77.000 52.480	53.700 53.370	51.600 55.173	53.480 53.734	Ave		56.3171667				15.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-3377/2	A-000006.D
Level 2	STD02 320-3377/3	A-000007.D
Level 3	STD03 320-3377/4	A-000008.D
Level 4	STD04 320-3377/5	A-000009.D
Level 5	STD05 320-3377/6	A-000010.D
Level 6	STD06 320-3377/7	A-000011.D
Level 7	STD07 320-3377/8	A-000012.D
Level 8	STD08 320-3377/9	A-000013.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
HMX	Ave	699 25014	1311 60012	2654 103824	6327	12739	5.00 200	10.0 500	20.0 1000	50.0	100
RDX	Ave	631 16712	975 38684	1799 62894	4453	8536	5.00 200	10.0 500	20.0 1000	50.0	100
Ethylene glycol dinitrate	Ave	+++++ 20128	+++++ 46640	2132 78274	4979	10281	+++++ 200	+++++ 500	20.0 1000	50.0	100
Picric acid	Ave	1421 61874	2492 113505	6331 192528	13018	25652	10.0 500	20.0 1000	50.0 2000	100	200
1,3,5-Trinitrobenzene	Ave	953 31839	1723 75872	3425 131741	8146	16163	5.00 200	10.0 500	20.0 1000	50.0	100
1,3-Dinitrobenzene	Ave	914 31698	1831 75133	3375 129194	8027	16021	5.00 200	10.0 500	20.0 1000	50.0	100
3,5-Dinitroaniline	Ave	652 20311	1103 48539	2059 83656	5198	10139	5.00 200	10.0 500	20.0 1000	50.0	100
Tetryl	Ave	553 16873	873 41709	1628 78184	4225	8264	5.00 200	10.0 500	20.0 1000	50.0	100
Nitrobenzene	Ave	483 14274	771 33500	1506 58527	3643	7116	5.00 200	10.0 500	20.0 1000	50.0	100
Nitroglycerin	Ave	+++++ 12931	+++++ 31323	1487 56481	3288	6542	+++++ 200	+++++ 500	20.0 1000	50.0	100
2,4,6-Trinitrotoluene	Ave	540 18091	977 44540	1863 82556	4578	8981	5.00 200	10.0 500	20.0 1000	50.0	100
4-Amino-2,6-dinitrotoluene	Ave	434 15085	779 36822	1492 66457	3825	7452	5.00 200	10.0 500	20.0 1000	50.0	100
2-Amino-4,6-dinitrotoluene	Ave	512 16240	894 39404	1687 70652	4074	8044	5.00 200	10.0 500	20.0 1000	50.0	100
2,6-Dinitrotoluene	Ave	389 11446	629 27941	1146 51202	2907	5620	5.00 200	10.0 500	20.0 1000	50.0	100
2,4-Dinitrotoluene	Ave	547 18903	1020 46229	1921 84833	4738	9373	5.00 200	10.0 500	20.0 1000	50.0	100

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Nitrotoluene	Ave	294 8159	514 19740	932 36585	2064	4150	5.00 200	10.0 500	20.0 1000	50.0	100
4-Nitrotoluene	Ave	326 10033	612 24382	1100 45695	2547	5047	5.00 200	10.0 500	20.0 1000	50.0	100
3-Nitrotoluene	Ave	339 10192	609 24716	1091 46712	2555	5003	5.00 200	10.0 500	20.0 1000	50.0	100
PETN	Ave	+++++ 7108	+++++ 17810	801 34728	1905	3631	+++++ 200	+++++ 500	20.0 1000	50.0	100
3,4-Dinitrotoluene	Ave	385 10674	537 16552	1032 26867	2674	5248	5.00 200	10.0 300	20.0 500	50.0	100

Curve Type Legend:
Ave = Average by Height

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000006.D
Lims ID: STD01 Client ID:
Inject. Date: 01-Sep-2012 11:50:14 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD01 HP8330L1_00004 5ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 11
Lims Batch ID: 3377 Lims Sample ID: 2
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 11:14:21 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr Date: 11-Sep-2012 13:41:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.240	5.235	0.005	699	5.56	
19 RDX						
1	7.593	7.579	0.014	631	7.09	
3 Ethylene glycol dinitrate						
2	8.300	8.305	-0.005	652	6.73	
10 2,4,6-Trinitrophenol						
2	8.707	8.685	0.022	1421	11.5	
1	8.733	8.685	0.048	955	11.6	
27 1,3,5-Trinitrobenzene						
1	10.003	9.992	0.011	953	5.86	
24 1,3-Dinitrobenzene						
1	12.673	12.682	-0.009	914	5.65	
9 3,5-Dinitroaniline						
1	13.447	13.449	-0.002	652	6.27	
20 Tetryl						
1	13.950	13.939	0.011	553	6.39	
5 Nitrobenzene						
1	14.493	14.495	-0.002	483	6.55	
7 Nitroglycerin						
2	15.147	15.202	-0.055	536	8.26	
25 2,4,6-Trinitrotoluene						
1	16.083	16.069	0.014	540	5.82	
26 4-Amino-2,6-dinitrotoluene						
1	16.557	16.619	-0.062	434	5.73	
$ 30 3,4-Dinitrotoluene						
1	17.087	17.072	0.015	385	6.84	
2	17.117	17.082	0.035	622	6.02	

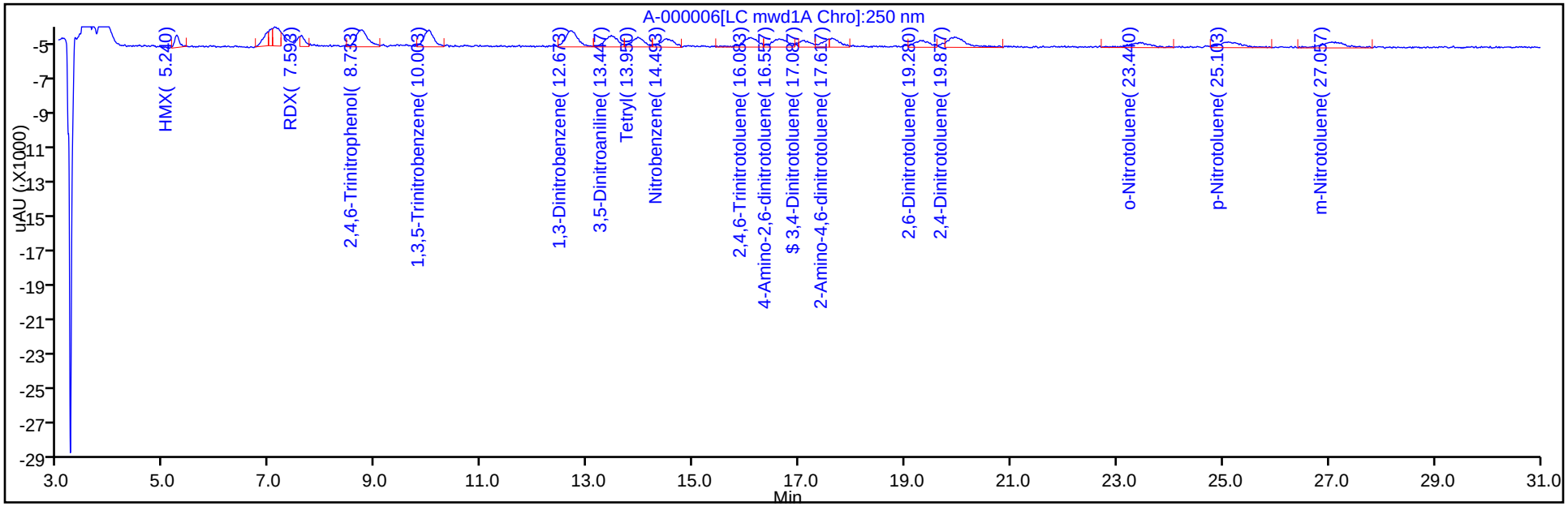
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.617	17.595	0.022	512	6.13	
12 2,6-Dinitrotoluene						
1	19.280	19.285	-0.005	389	6.53	
23 2,4-Dinitrotoluene						
1	19.877	19.925	-0.048	547	5.70	
16 o-Nitrotoluene						
1	23.440	23.415	0.025	294	6.60	
15 p-Nitrotoluene						
1	25.103	25.102	0.001	326	6.10	
8 m-Nitrotoluene						
1	27.057	27.052	0.005	339	6.29	
21 PETN						
2	29.613	29.649	-0.036	771	21.0	

Report Date: 13-Sep-2012 11:14:22 Chrom Revision: 2.1 12-Sep-2012 21:43:20

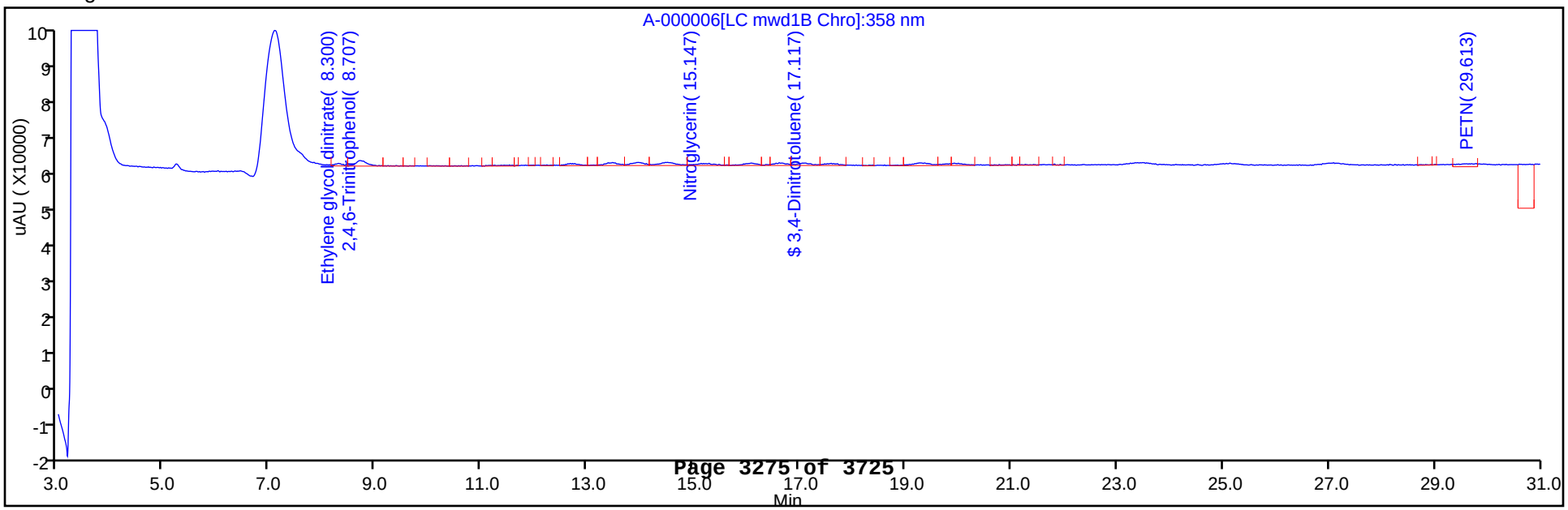
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000006.D		
Injection Date:	01-Sep-2012 11:50:14	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	2
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000007.D
Lims ID: STD02 Client ID:
Inject. Date: 01-Sep-2012 12:30:23 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD02 HP8330L2_00003 10ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 12
Lims Batch ID: 3377 Lims Sample ID: 3
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:53 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: chamberss Date: 11-Sep-2012 14:17:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.235	5.235	0.0	1311	10.4	
19 RDX						
1	7.588	7.579	0.009	975	10.9	
3 Ethylene glycol dinitrate						
2	8.315	8.305	0.010	1143	11.8	
10 2,4,6-Trinitrophenol						
2	8.718	8.685	0.033	2492	20.2	
1	8.718	8.685	0.033	1717	20.7	
27 1,3,5-Trinitrobenzene						
1	10.012	9.992	0.020	1723	10.6	
24 1,3-Dinitrobenzene						
1	12.699	12.682	0.017	1831	11.3	
9 3,5-Dinitroaniline						
1	13.449	13.449	0.0	1103	10.6	
20 Tetryl						
1	13.925	13.939	-0.014	873	10.1	
5 Nitrobenzene						
1	14.512	14.495	0.017	771	10.4	
7 Nitroglycerin						
2	15.225	15.202	0.023	628	9.68	
25 2,4,6-Trinitrotoluene						
1	16.075	16.069	0.006	977	10.5	
26 4-Amino-2,6-dinitrotoluene						
1	16.665	16.619	0.046	779	10.3	
$ 30 3,4-Dinitrotoluene						
1	17.075	17.072	0.003	537	9.52	
2	17.075	17.082	-0.007	883	8.55	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.619	17.595	0.024	894	10.7	
12 2,6-Dinitrotoluene						
1	19.342	19.285	0.057	629	10.5	
23 2,4-Dinitrotoluene						
1	19.965	19.925	0.040	1020	10.6	
16 o-Nitrotoluene						
1	23.442	23.415	0.027	514	11.5	
15 p-Nitrotoluene						
1	25.095	25.102	-0.007	612	11.5	
8 m-Nitrotoluene						
1	27.122	27.052	0.070	609	11.3	
21 PETN						
2	29.552	29.649	-0.097	427	11.6	

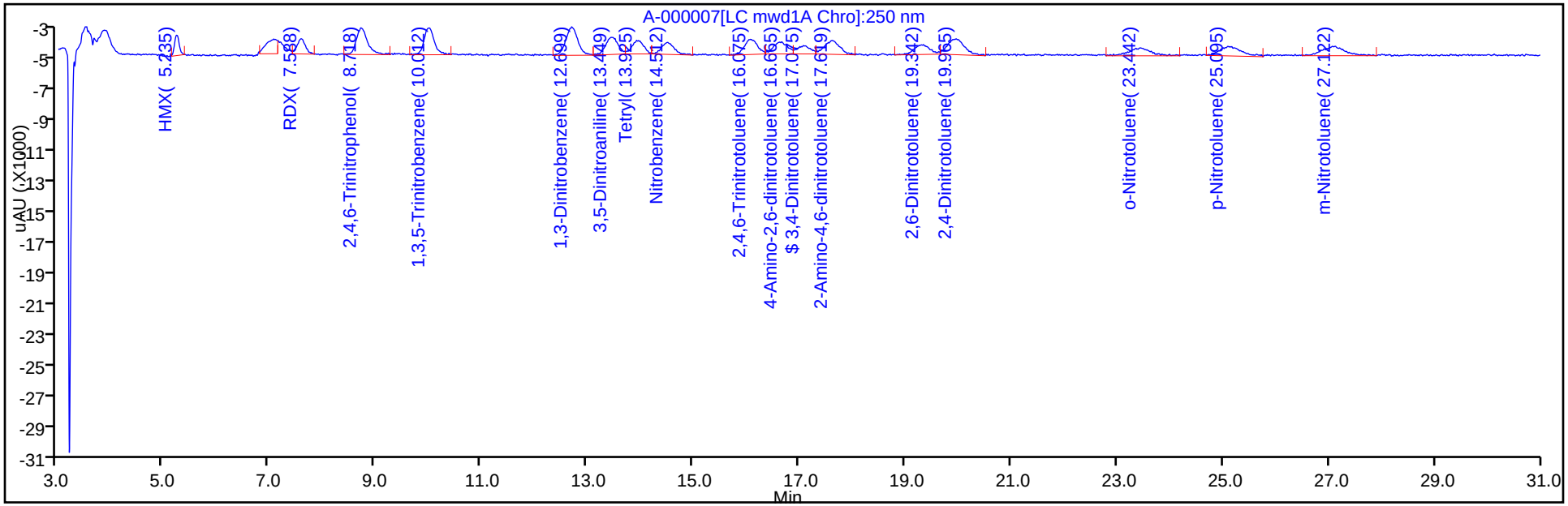
Report Date: 13-Sep-2012 10:19:53 Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

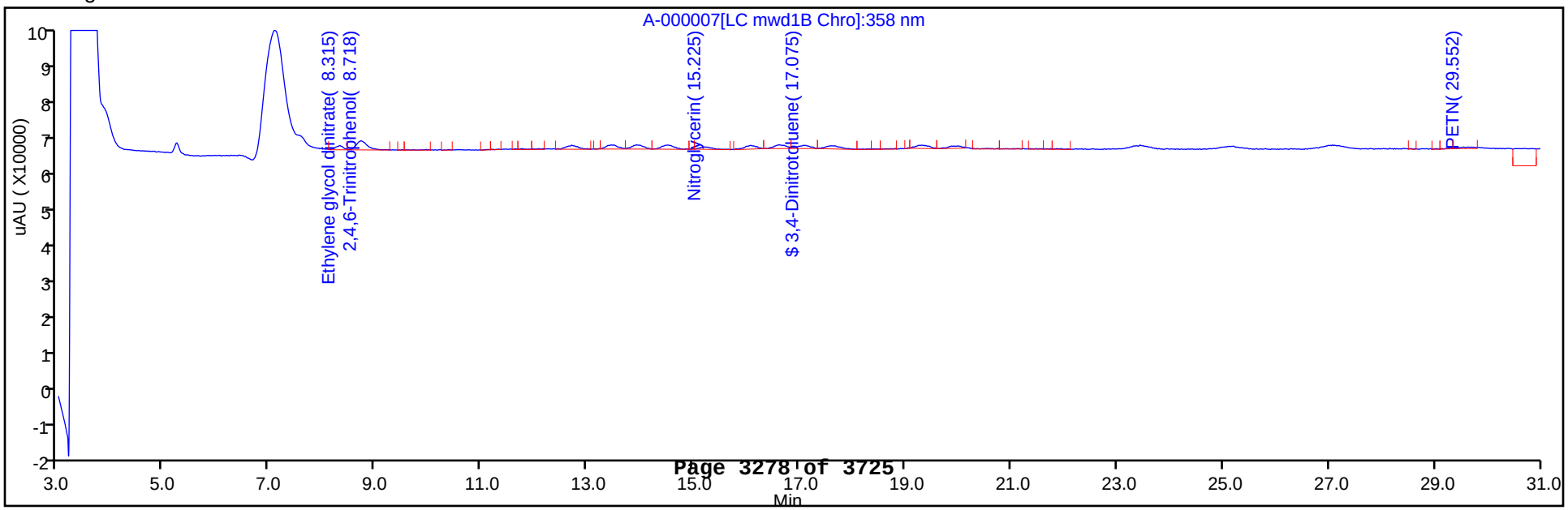
Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000007.D

Injection Date:	01-Sep-2012 12:30:23	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	3
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000008.D
Lims ID: STD03 Client ID:
Inject. Date: 01-Sep-2012 13:10:34 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD03 HP8330L3_00003 20ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 13
Lims Batch ID: 3377 Lims Sample ID: 4
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:54 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: chamberss Date: 11-Sep-2012 14:31:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.238	5.235	0.003	2654	21.1	
19 RDX						
1	7.585	7.579	0.006	1799	20.2	
3 Ethylene glycol dinitrate						
2	8.312	8.305	0.007	2132	22.0	
10 2,4,6-Trinitrophenol						
2	8.708	8.685	0.023	6331	51.4	
1	8.718	8.685	0.033	4198	50.7	
27 1,3,5-Trinitrobenzene						
1	9.998	9.992	0.006	3425	21.0	
24 1,3-Dinitrobenzene						
1	12.688	12.682	0.006	3375	20.9	
9 3,5-Dinitroaniline						
1	13.452	13.449	0.003	2059	19.8	
20 Tetryl						
1	13.952	13.939	0.013	1628	18.8	
5 Nitrobenzene						
1	14.502	14.495	0.007	1506	20.4	
7 Nitroglycerin						
2	15.205	15.202	0.003	1487	22.9	
25 2,4,6-Trinitrotoluene						
1	16.075	16.069	0.006	1863	20.1	
26 4-Amino-2,6-dinitrotoluene						
1	16.622	16.619	0.003	1492	19.7	
$ 30 3,4-Dinitrotoluene						
1	17.088	17.072	0.016	1032	18.3	
2	17.075	17.082	-0.007	2249	21.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.595	17.595	0.0	1687	20.2	
12 2,6-Dinitrotoluene						
1	19.318	19.285	0.033	1146	19.2	
23 2,4-Dinitrotoluene						
1	19.915	19.925	-0.010	1921	20.0	
16 o-Nitrotoluene						
1	23.412	23.415	-0.003	932	20.9	
15 p-Nitrotoluene						
1	25.135	25.102	0.033	1100	20.6	
8 m-Nitrotoluene						
1	27.035	27.052	-0.017	1091	20.2	
21 PETN						
2	29.672	29.649	0.023	801	21.8	

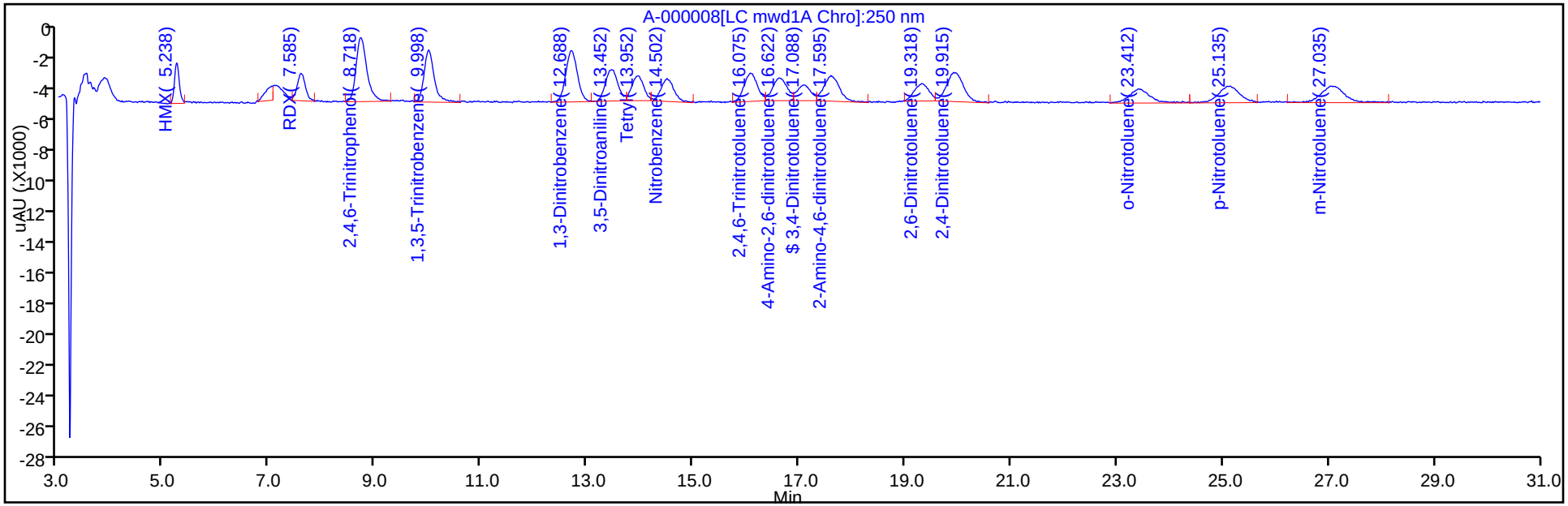
Report Date: 13-Sep-2012 10:19:54 Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

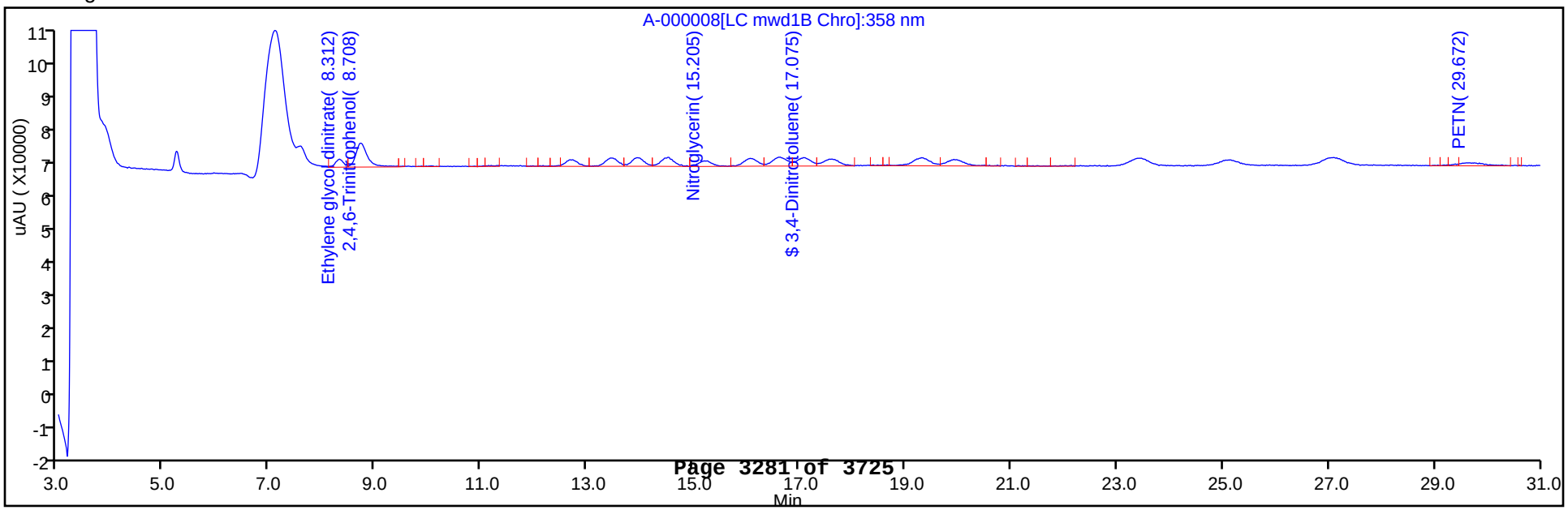
Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000008.D

Injection Date:	01-Sep-2012 13:10:34	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

User Set Y Scaling: Alternate user entered



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000009.D
Lims ID: STD04 Client ID:
Inject. Date: 01-Sep-2012 13:50:42 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD04 HP8330L4_00003 50ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 14
Lims Batch ID: 3377 Lims Sample ID: 5
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:55 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: chamberss Date: 11-Sep-2012 14:15:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.235	5.235	0.0	6327	50.3	
19 RDX						
1	7.585	7.579	0.006	4453	50.0	
3 Ethylene glycol dinitrate						
2	8.302	8.305	-0.003	4979	51.4	
10 2,4,6-Trinitrophenol						
2	8.702	8.685	0.017	13018	105.7	
1	8.698	8.685	0.013	8740	105.7	
27 1,3,5-Trinitrobenzene						
1	9.995	9.992	0.003	8146	50.1	
24 1,3-Dinitrobenzene						
1	12.692	12.682	0.010	8027	49.6	
9 3,5-Dinitroaniline						
1	13.455	13.449	0.006	5198	50.0	
20 Tetryl						
1	13.942	13.939	0.003	4225	48.8	
5 Nitrobenzene						
1	14.495	14.495	0.0	3643	49.4	
7 Nitroglycerin						
2	15.209	15.202	0.007	3288	50.7	
25 2,4,6-Trinitrotoluene						
1	16.085	16.069	0.016	4578	49.3	
26 4-Amino-2,6-dinitrotoluene						
1	16.635	16.619	0.016	3825	50.5	
$ 30 3,4-Dinitrotoluene						
1	17.079	17.072	0.007	2674	47.5	
2	17.065	17.082	-0.017	5072	49.1	

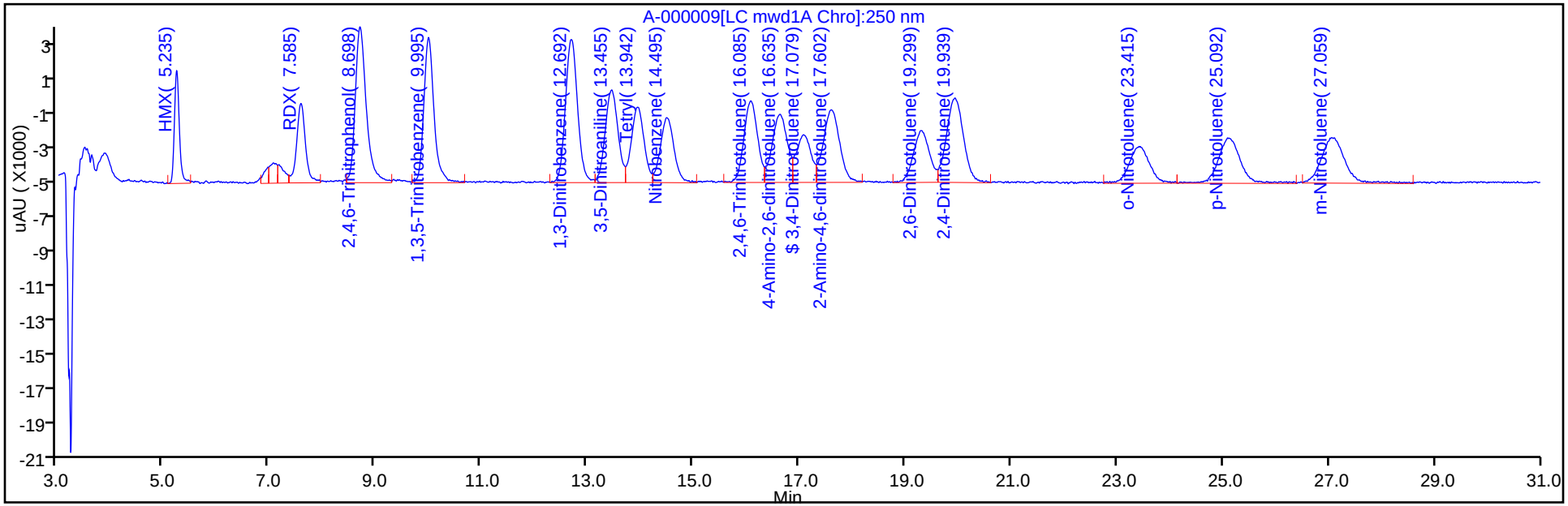
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.602	17.595	0.007	4074	48.7	
12 2,6-Dinitrotoluene						
1	19.299	19.285	0.014	2907	48.8	
23 2,4-Dinitrotoluene						
1	19.939	19.925	0.014	4738	49.4	
16 o-Nitrotoluene						
1	23.415	23.415	0.0	2064	46.3	
15 p-Nitrotoluene						
1	25.092	25.102	-0.010	2547	47.7	
8 m-Nitrotoluene						
1	27.059	27.052	0.007	2555	47.4	
21 PETN						
2	29.662	29.649	0.013	1905	51.9	

Report Date: 13-Sep-2012 10:19:55 Chrom Revision: 2.1 12-Sep-2012 21:43:20

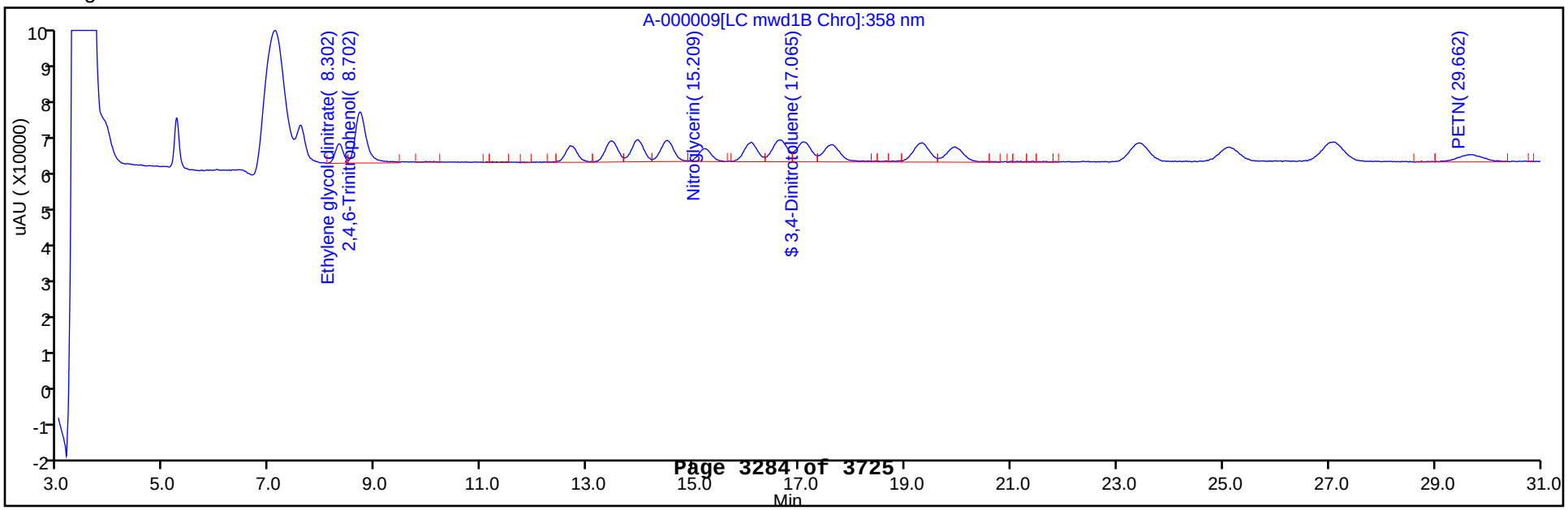
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000009.D		
Injection Date:	01-Sep-2012 13:50:42	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D
Lims ID: STD05 Client ID:
Inject. Date: 01-Sep-2012 14:30:45 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD05 HP8330L5_00004 100ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 15
Lims Batch ID: 3377 Lims Sample ID: 6
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:55 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:24:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.235	5.235	0.0	12739	101.2	
19 RDX						
1	7.579	7.579	0.0	8536	95.8	
3 Ethylene glycol dinitrate						
2	8.305	8.305	0.0	10281	106.1	
10 2,4,6-Trinitrophenol						
2	8.685	8.685	0.0	25652	208.3	
1	8.685	8.685	0.0	16956	205.0	
27 1,3,5-Trinitrobenzene						
1	9.992	9.992	0.0	16163	99.3	
24 1,3-Dinitrobenzene						
1	12.682	12.682	0.0	16021	99.1	
9 3,5-Dinitroaniline						
1	13.449	13.449	0.0	10139	97.6	
20 Tetryl						
1	13.939	13.939	0.0	8264	95.5	
5 Nitrobenzene						
1	14.495	14.495	0.0	7116	96.5	
7 Nitroglycerin						
2	15.202	15.202	0.0	6542	100.8	
25 2,4,6-Trinitrotoluene						
1	16.069	16.069	0.0	8981	96.8	
26 4-Amino-2,6-dinitrotoluene						
1	16.619	16.619	0.0	7452	98.4	
$ 30 3,4-Dinitrotoluene						
1	17.072	17.072	0.0	5248	93.2	
2	17.082	17.082	0.0	10171	98.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.595	17.595	0.0	8044	96.2	
12 2,6-Dinitrotoluene						
1	19.285	19.285	0.0	5620	94.3	
23 2,4-Dinitrotoluene						
1	19.925	19.925	0.0	9373	97.7	
16 o-Nitrotoluene						
1	23.415	23.415	0.0	4150	93.1	
15 p-Nitrotoluene						
1	25.102	25.102	0.0	5047	94.5	
8 m-Nitrotoluene						M
1	27.052	27.052	0.0	5003	92.8	M
21 PETN						
2	29.649	29.649	0.0	3631	98.9	

QC Flag Legend

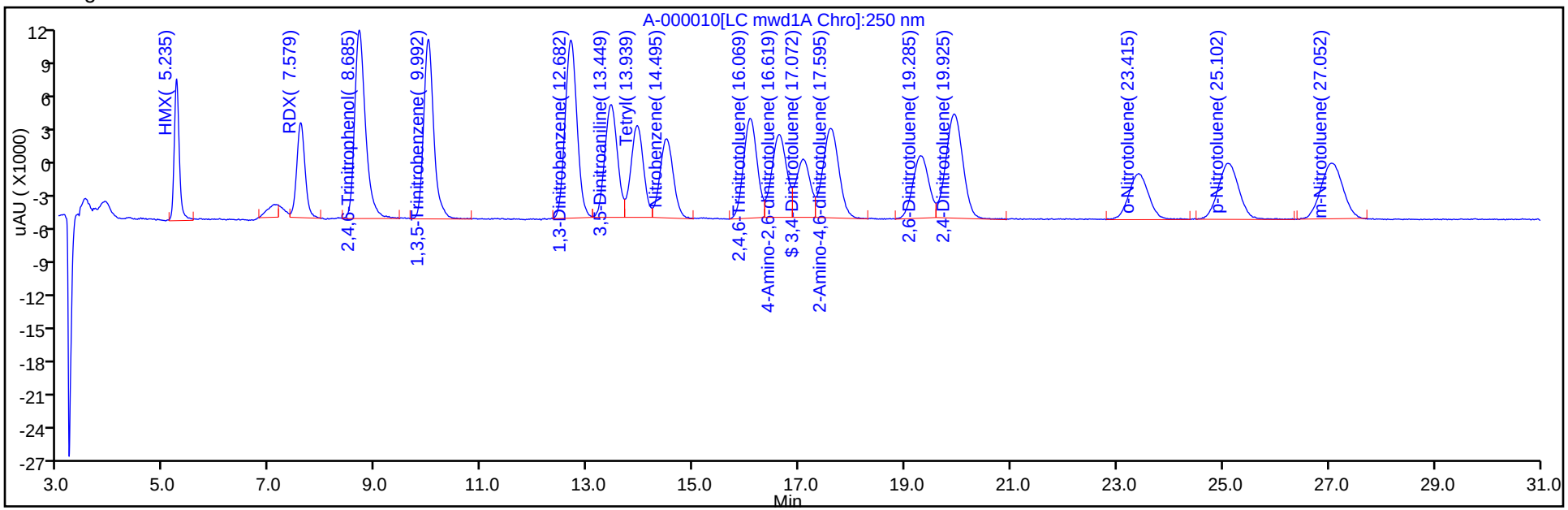
Review Flags
M - Manually Integrated

Report Date: 13-Sep-2012 10:19:56 Chrom Revision: 2.1 12-Sep-2012 21:43:20

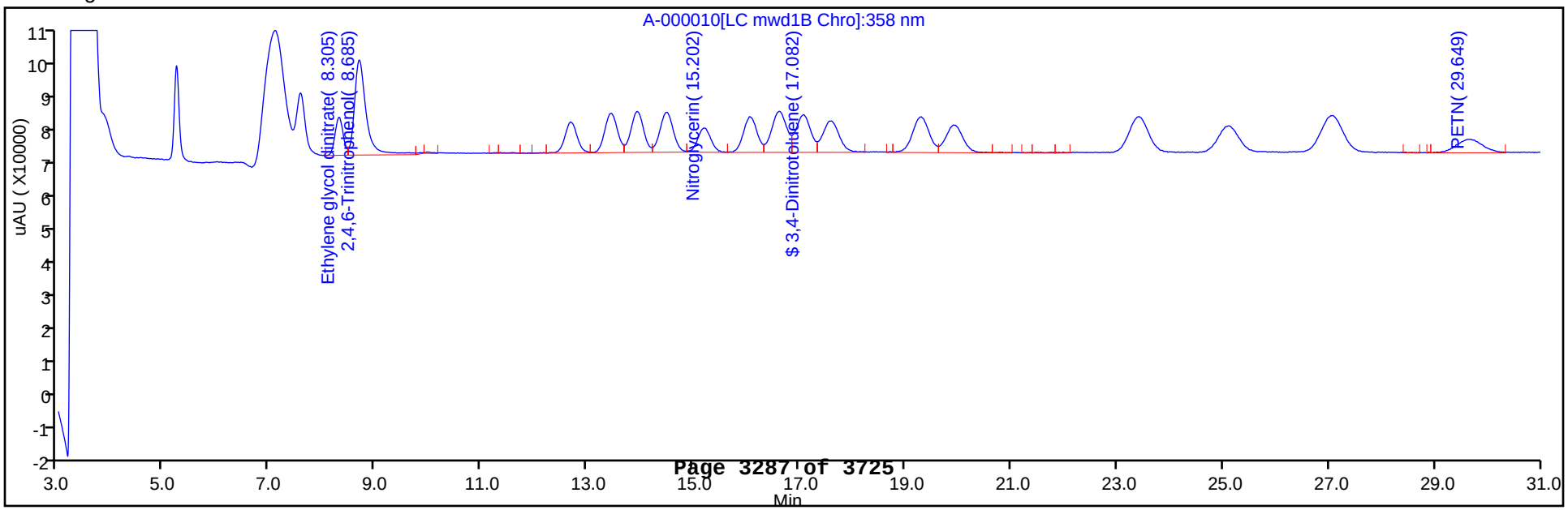
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D		
Injection Date:	01-Sep-2012 14:30:45	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

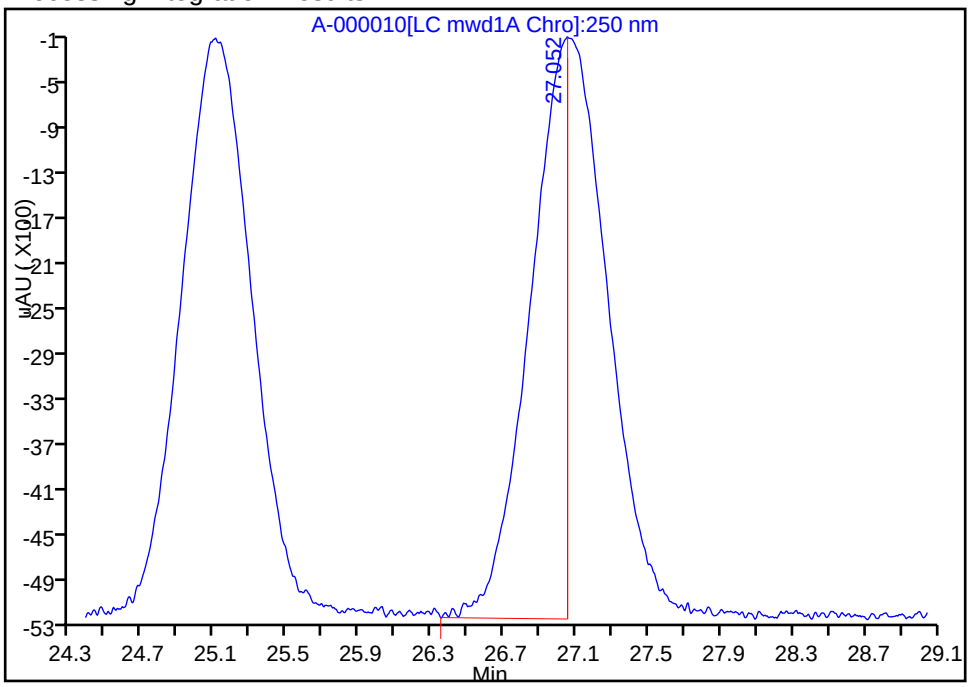
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D		
Injection Date:	01-Sep-2012 14:30:45	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 27.05, Det: LC mwd1A

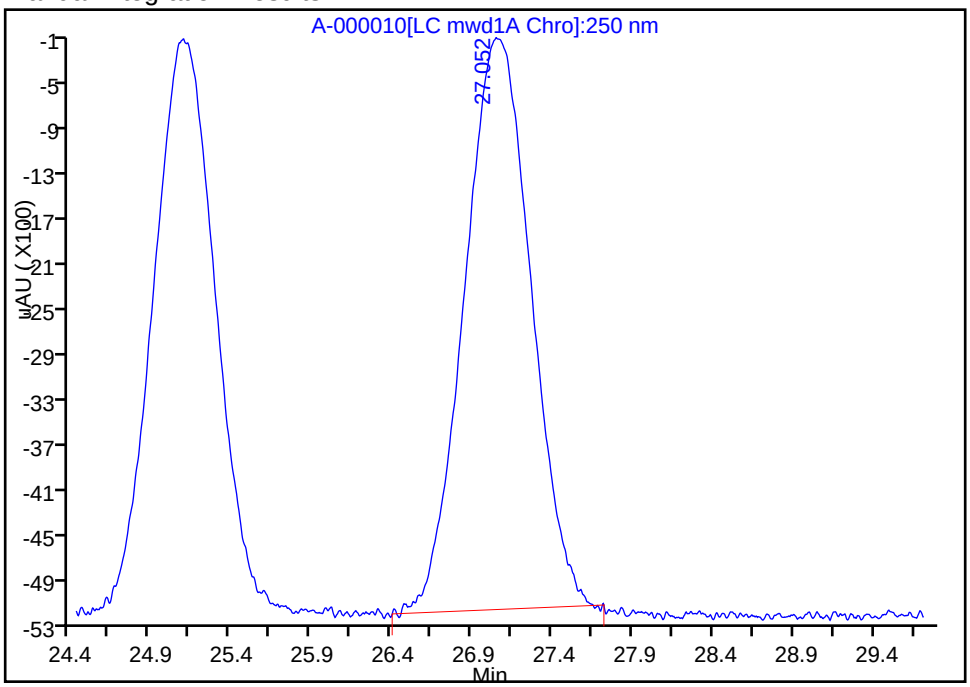
Processing Integration Results

RT: 27.05
Response: 5091
Amount: 94.175972



Manual Integration Results

RT: 27.05
Response: 5003
Amount: 92.750560



Reviewer: noonanr, 13-Sep-2012 09:42:08
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000011.D
Lims ID: STD06 Client ID:
Inject. Date: 01-Sep-2012 15:10:52 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD06 HP8330L6_00004 200ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 16
Lims Batch ID: 3377 Lims Sample ID: 7
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:56 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:26:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.233	5.235	-0.002	25014	198.8	
19 RDX						
1	7.573	7.579	-0.006	16712	187.8	
3 Ethylene glycol dinitrate						
2	8.296	8.305	-0.009	20128	207.8	
10 2,4,6-Trinitrophenol						
2	8.650	8.685	-0.035	61874	502.4	
1	8.650	8.685	-0.035	41089	497.0	
27 1,3,5-Trinitrobenzene						
1	9.986	9.992	-0.006	31839	195.7	
24 1,3-Dinitrobenzene						
1	12.677	12.682	-0.005	31698	196.1	
9 3,5-Dinitroaniline						
1	13.437	13.449	-0.012	20311	195.4	
20 Tetryl						
1	13.933	13.939	-0.006	16873	194.9	
5 Nitrobenzene						
1	14.487	14.495	-0.008	14274	193.5	
7 Nitroglycerin						
2	15.197	15.202	-0.005	12931	199.3	
25 2,4,6-Trinitrotoluene						
1	16.067	16.069	-0.002	18091	194.9	
26 4-Amino-2,6-dinitrotoluene						
1	16.607	16.619	-0.012	15085	199.1	
$ 30 3,4-Dinitrotoluene						
1	17.073	17.072	0.001	10674	189.4	
2	17.070	17.082	-0.012	19828	191.9	

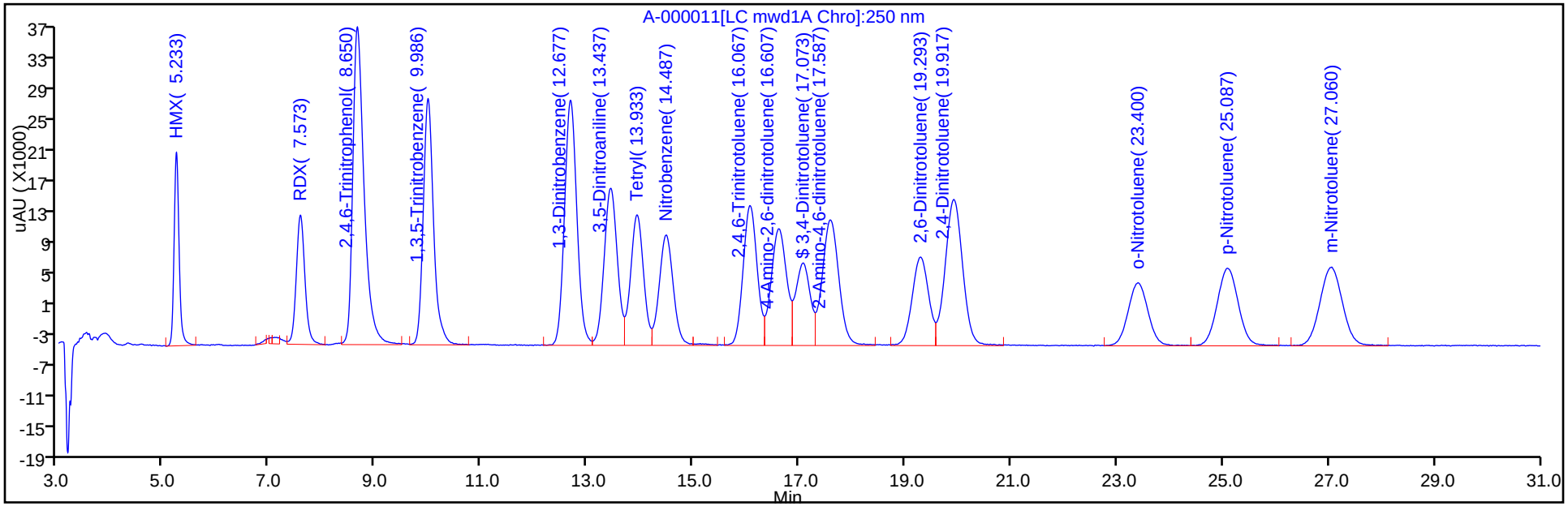
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.587	17.595	-0.008	16240	194.2	
12 2,6-Dinitrotoluene						
1	19.293	19.285	0.008	11446	192.1	
23 2,4-Dinitrotoluene						
1	19.917	19.925	-0.008	18903	196.9	
16 o-Nitrotoluene						
1	23.400	23.415	-0.015	8159	183.1	
15 p-Nitrotoluene						
1	25.087	25.102	-0.015	10033	187.7	
8 m-Nitrotoluene						
1	27.060	27.052	0.008	10192	188.9	
21 PETN						
2	29.663	29.649	0.014	7108	193.5	

Report Date: 13-Sep-2012 10:19:57 Chrom Revision: 2.1 12-Sep-2012 21:43:20

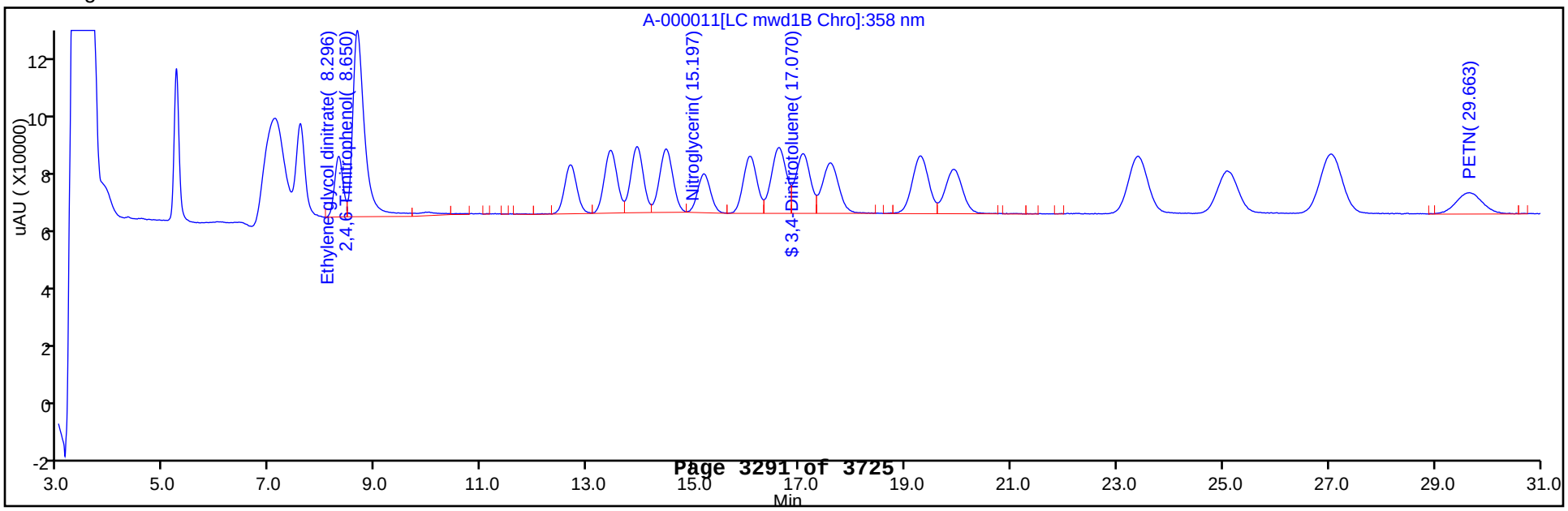
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000011.D		
Injection Date:	01-Sep-2012 15:10:52	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	7
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000012.D
Lims ID: STD07 Client ID:
Inject. Date: 01-Sep-2012 15:50:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD07 HP8330L7_00003 500ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 17
Lims Batch ID: 3377 Lims Sample ID: 8
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:57 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:26:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.219	5.235	-0.016	60012	477.0	
19 RDX						
1	7.552	7.579	-0.027	38684	434.7	
3 Ethylene glycol dinitrate						
2	8.275	8.305	-0.030	46640	481.5	
10 2,4,6-Trinitrophenol						
2	8.589	8.685	-0.096	113505	921.6	
1	8.589	8.685	-0.096	76565	926.2	
27 1,3,5-Trinitrobenzene						
1	9.965	9.992	-0.027	75872	466.4	
24 1,3-Dinitrobenzene						
1	12.652	12.682	-0.030	75133	464.7	
9 3,5-Dinitroaniline						
1	13.406	13.449	-0.043	48539	467.1	
20 Tetryl						
1	13.912	13.939	-0.027	41709	481.9	
5 Nitrobenzene						
1	14.459	14.495	-0.036	33500	454.3	
7 Nitroglycerin						
2	15.172	15.202	-0.030	31323	482.7	
25 2,4,6-Trinitrotoluene						
1	16.046	16.069	-0.023	44540	480.0	
26 4-Amino-2,6-dinitrotoluene						
1	16.579	16.619	-0.040	36822	486.2	
$ 30 3,4-Dinitrotoluene						
1	17.032	17.072	-0.040	16552	293.9	
2	17.046	17.082	-0.036	30648	296.6	

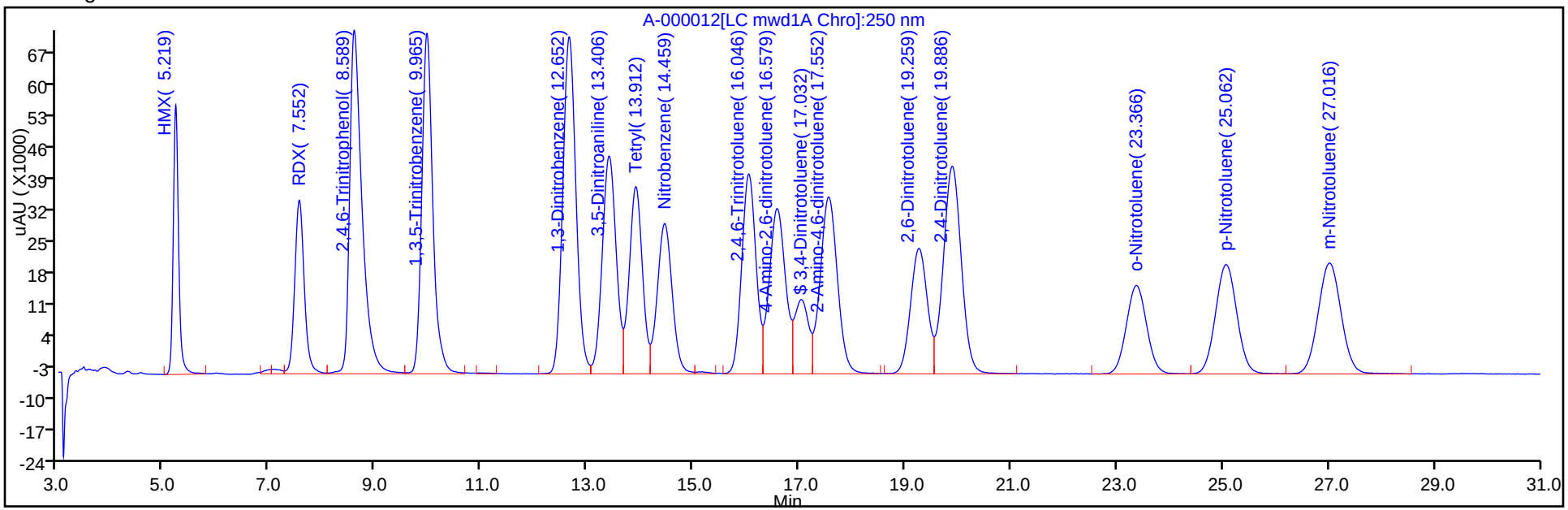
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.552	17.595	-0.043	39404	471.4	
12 2,6-Dinitrotoluene						
1	19.259	19.285	-0.026	27941	469.0	
23 2,4-Dinitrotoluene						
1	19.886	19.925	-0.039	46229	481.7	
16 o-Nitrotoluene						
1	23.366	23.415	-0.049	19740	443.0	
15 p-Nitrotoluene						
1	25.062	25.102	-0.040	24382	456.3	
8 m-Nitrotoluene						
1	27.016	27.052	-0.036	24716	458.3	
21 PETN						
2	29.619	29.649	-0.030	17810	485.0	

Report Date: 13-Sep-2012 10:19:57 Chrom Revision: 2.1 12-Sep-2012 21:43:20

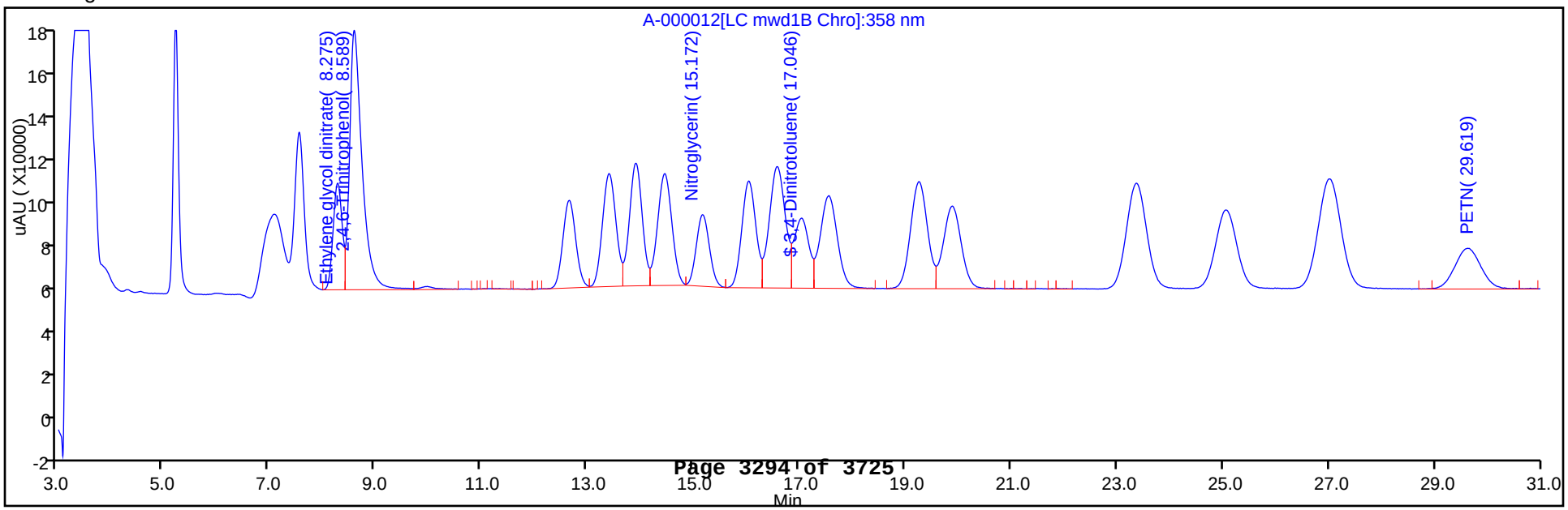
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000012.D		
Injection Date:	01-Sep-2012 15:50:51	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	8
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Lims ID: STD08 Client ID:
Inject. Date: 01-Sep-2012 16:31:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD08 HP8330L1_00003 1000ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 18
Lims Batch ID: 3377 Lims Sample ID: 9
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:58 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:31:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.195	5.235	-0.040	103824	825.3	
19 RDX						
1	7.512	7.579	-0.067	62894	706.8	
3 Ethylene glycol dinitrate						
2	8.245	8.305	-0.060	78274	808.1	
10 2,4,6-Trinitrophenol						
2	8.499	8.685	-0.186	192528	1563.2	
1	8.495	8.685	-0.190	130237	1575.4	
27 1,3,5-Trinitrobenzene						
1	9.925	9.992	-0.067	131741	809.9	
24 1,3-Dinitrobenzene						
1	12.602	12.682	-0.080	129194	799.1	
9 3,5-Dinitroaniline						
1	13.349	13.449	-0.100	83656	805.1	
20 Tetryl						
1	13.866	13.939	-0.073	78184	903.3	
5 Nitrobenzene						
1	14.399	14.495	-0.096	58527	793.7	
7 Nitroglycerin						
2	15.126	15.202	-0.076	56481	870.5	
25 2,4,6-Trinitrotoluene						
1	16.002	16.069	-0.067	82556	889.7	
26 4-Amino-2,6-dinitrotoluene						
1	16.519	16.619	-0.100	66457	877.5	
$ 30 3,4-Dinitrotoluene						
1	16.972	17.072	-0.100	26867	477.1	
2	16.982	17.082	-0.100	48479	469.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.489	17.595	-0.106	70652	845.2	
12 2,6-Dinitrotoluene						
1	19.199	19.285	-0.086	51202	859.4	
23 2,4-Dinitrotoluene						
1	19.829	19.925	-0.096	84833	884.0	
16 o-Nitrotoluene						
1	23.292	23.415	-0.123	36585	821.1	
15 p-Nitrotoluene						
1	24.989	25.102	-0.113	45695	855.2	
8 m-Nitrotoluene						
1	26.939	27.052	-0.113	46712	866.1	
21 PETN						
2	29.569	29.649	-0.080	34728	945.6	

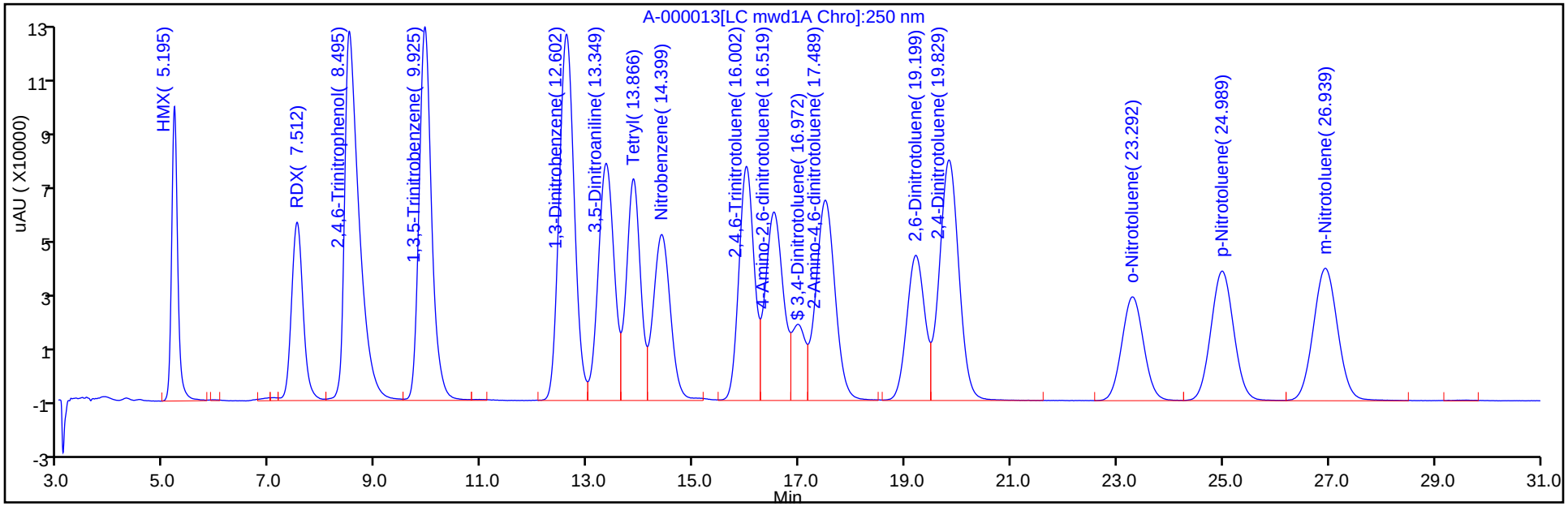
Report Date: 13-Sep-2012 10:19:58 Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

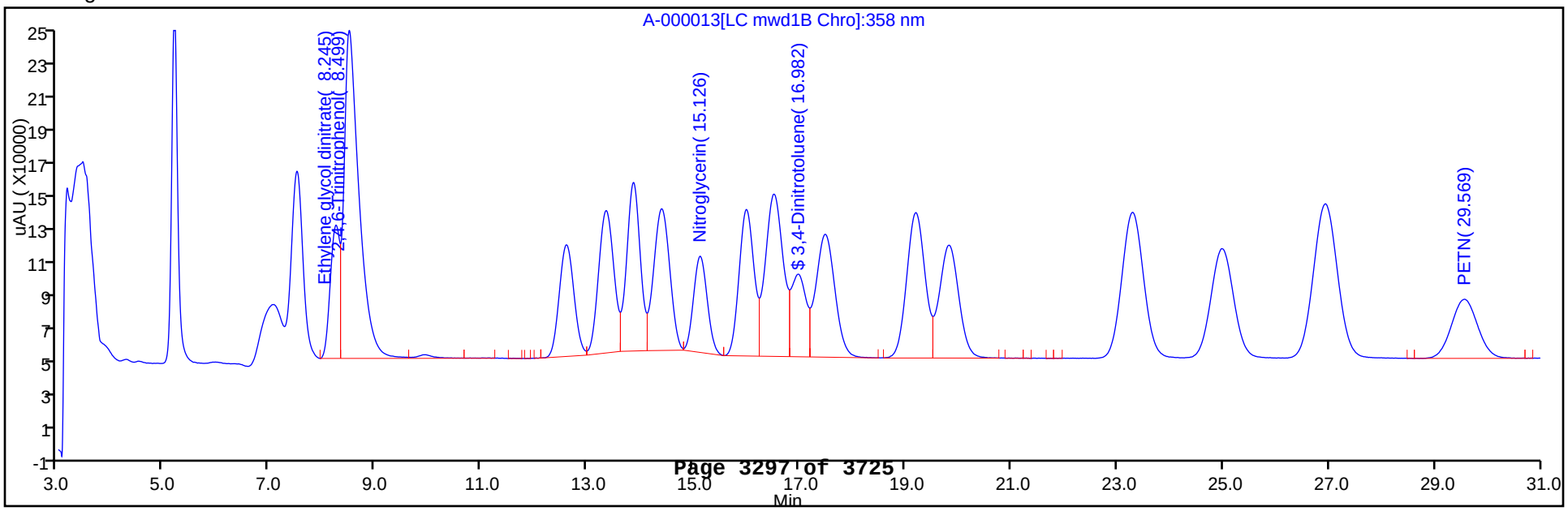
Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D

Injection Date:	01-Sep-2012 16:31:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	9
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 4221

SDG No.:

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2012 12:30 Calibration End Date: 10/01/2012 20:08 Calibration ID: 1330

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-4221/2	C-000004.D
Level 2	STD02 320-4221/3	C-000005.D
Level 3	STD03 320-4221/4	C-000006.D
Level 4	STD04 320-4221/5	C-000007.D
Level 5	STD05 320-4221/6	C-000008.D
Level 6	STD06 320-4221/7	C-000009.D
Level 7	STD07 320-4221/8	C-000010.D
Level 8	STD08 320-4221/9	C-000011.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
Nitrobenzene	21.445	21.475	21.441	21.416	21.424	21.418	21.377	21.419			21.195 - 21.695	21.427
Ethylene glycol dinitrate	+++++	+++++	22.331	22.363	22.354	22.341	22.310	22.305			22.139 - 22.639	22.343
1,3-Dinitrobenzene	24.385	24.365	24.371	24.346	24.360	24.341	24.310	24.362			24.135 - 24.635	24.355
1,3,5-Trinitrobenzene	26.912	26.898	26.881	26.863	26.877	26.851	26.824	26.872			26.639 - 27.139	26.872
2-Nitrotoluene	28.422	28.458	28.421	28.406	28.430	28.398	28.384	+++++			28.212 - 28.712	28.423
4-Nitrotoluene	28.422	28.458	28.421	28.406	28.430	28.398	28.384	+++++			28.212 - 28.712	28.423
3-Nitrotoluene	29.035	29.018	28.985	28.979	28.994	28.958	28.934				28.782 - 29.282	28.986
3,5-Dinitroaniline	30.502	30.518	30.471	30.463	30.480	30.451	30.440	30.512			30.275 - 30.775	30.480
RDX	31.199	31.168	31.141	31.126	31.134	31.105	31.094	31.139			30.939 - 31.439	31.138
2,4-Dinitrotoluene	32.099	32.095	32.058	32.039	32.060	32.025	32.017	32.089			31.849 - 32.349	32.060
2,6-Dinitrotoluene	33.079	33.078	33.008	33.016	33.030	32.991	32.990	33.062			32.825 - 33.325	33.032
2-Amino-4,6-dinitrotoluene	35.235	35.242	35.205	35.183	35.194	35.158	35.164	35.255			35.015 - 35.515	35.205
4-Amino-2,6-dinitrotoluene	35.829	35.835	35.761	35.766	35.774	35.731	35.734	35.789			35.599 - 36.099	35.777
2,4,6-Trinitrotoluene	39.622	39.598	39.571	39.556	39.560	39.538	39.544	39.605			39.365 - 39.865	39.574
HMX	41.772	41.778	41.738	41.746	41.740	41.715	41.727	41.779			41.552 - 42.052	41.749
Nitroglycerin	+++++	+++++	44.121	44.129	44.130	44.108	44.117	44.189			43.935 - 44.435	44.138
Tetryl	45.955	45.932	45.908	45.922	45.920	45.905	45.910	46.005			45.735 - 46.235	45.932
PETN	+++++	+++++	52.631	52.626	52.630	52.628	52.630	52.702			52.422 - 52.922	52.642
3,4-Dinitrotoluene	37.689	37.632	37.618	37.606	37.604	37.571	37.577	37.652			37.425 - 37.925	37.619

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 4221

SDG No.:

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2012 12:30 Calibration End Date: 10/01/2012 20:08 Calibration ID: 1330

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-4221/2	C-000004.D
Level 2	STD02 320-4221/3	C-000005.D
Level 3	STD03 320-4221/4	C-000006.D
Level 4	STD04 320-4221/5	C-000007.D
Level 5	STD05 320-4221/6	C-000008.D
Level 6	STD06 320-4221/7	C-000009.D
Level 7	STD07 320-4221/8	C-000010.D
Level 8	STD08 320-4221/9	C-000011.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Nitrobenzene	54.800 46.890	50.700 45.370	48.500 40.138	46.600 31.779	Ave		45.5971250				15.0		20.0			
Ethylene glycol dinitrate	+++++ 22.530	+++++ 21.415	24.850 19.432	22.220 16.105	Ave		21.0920000				14.0		20.0			
1,3-Dinitrobenzene	116.60 101.54	111.70 99.195	107.55 90.810	101.82 73.865	Ave		100.385000				13.0		20.0			
1,3,5-Trinitrobenzene	89.800 78.710	86.800 77.705	82.350 73.146	78.660 62.902	Ave		78.7591250				11.0		20.0			
2-Nitrotoluene	69.400 59.540	64.900 58.370	62.050 53.264	58.720 +++++	Ave		60.8920000				8.5		20.0			
4-Nitrotoluene	69.400 59.540	64.900 58.370	62.050 53.264	58.720 +++++	Ave		60.8920000				8.5		20.0			
3-Nitrotoluene	48.600 38.990	43.000 38.320	41.150 35.354	38.240	Ave		40.5220000				11.0		20.0			
3,5-Dinitroaniline	93.000 79.640	88.100 78.470	84.950 72.796	80.000 60.329	Ave		79.6606250				13.0		20.0			
RDX	58.000 46.850	51.800 45.810	49.950 42.648	46.880 35.987	Ave		47.2406250				14.0		20.0			
2,4-Dinitrotoluene	110.80 90.950	101.90 89.515	96.400 84.300	90.960 71.751	Ave		92.0720000				13.0		20.0			
2,6-Dinitrotoluene	64.200 53.720	60.800 53.020	56.800 49.932	53.680 42.712	Ave		54.3580000				12.0		20.0			
2-Amino-4,6-dinitrotoluene	98.000 73.810	81.500 72.935	78.000 69.376	73.920 59.533	Ave		75.8842500				15.0		20.0			
4-Amino-2,6-dinitrotoluene	75.600 61.640	69.800 61.325	64.550 58.766	61.960 51.500	Ave		63.1426250				11.0		20.0			
2,4,6-Trinitrotoluene	79.400 73.430	79.400 73.045	76.100 71.404	72.420 65.557	Ave		73.8445000				6.1		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 4221

SDG No.:

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2012 12:30 Calibration End Date: 10/01/2012 20:08 Calibration ID: 1330

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
HMX	71.600 60.610	69.700 60.315	63.300 59.062	61.020 53.842	Ave		62.4311250				9.2		20.0			
Nitroglycerin	+++++ 86.810	+++++ 86.870	94.150 85.430	87.360 78.528	Ave		86.5246667				5.8		20.0			
Tetryl	128.00 114.53	124.90 114.50	118.50 114.33	113.80 107.97	Ave		117.066375				5.6		20.0			
PETN	+++++ 152.19	+++++ 150.21	155.05 151.75	149.94 150.08	Ave		151.536167				1.3		20.0			
3,4-Dinitrotoluene	61.800 46.460	53.200 45.165	49.750 44.800	45.940 39.392	Ave		48.3133750				14.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 4221

SDG No.:

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2012 12:30 Calibration End Date: 10/01/2012 20:08 Calibration ID: 1330

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-4221/2	C-000004.D
Level 2	STD02 320-4221/3	C-000005.D
Level 3	STD03 320-4221/4	C-000006.D
Level 4	STD04 320-4221/5	C-000007.D
Level 5	STD05 320-4221/6	C-000008.D
Level 6	STD06 320-4221/7	C-000009.D
Level 7	STD07 320-4221/8	C-000010.D
Level 8	STD08 320-4221/9	C-000011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Nitrobenzene	Ave	274 9074	507 20069	970 31779	2330	4689	5.00 200	10.0 500	20.0 1000	50.0	100
Ethylene glycol dinitrate	Ave	+++++ 4283	+++++ 9716	497 16105	1111	2253	+++++ 200	+++++ 500	20.0 1000	50.0	100
1,3-Dinitrobenzene	Ave	583 19839	1117 45405	2151 73865	5091	10154	5.00 200	10.0 500	20.0 1000	50.0	100
1,3,5-Trinitrobenzene	Ave	449 15541	868 36573	1647 62902	3933	7871	5.00 200	10.0 500	20.0 1000	50.0	100
2-Nitrotoluene	Ave	347 11674	649 26632	1241 +++++	2936	5954	5.00 200	10.0 500	20.0 +++++	50.0	100
4-Nitrotoluene	Ave	347 11674	649 26632	1241 +++++	2936	5954	5.00 200	10.0 500	20.0 +++++	50.0	100
3-Nitrotoluene	Ave	243 7664	430 17677	823	1912	3899	5.00 200	10.0 500	20.0	50.0	100
3,5-Dinitroaniline	Ave	465 15694	881 36398	1699 60329	4000	7964	5.00 200	10.0 500	20.0 1000	50.0	100
RDX	Ave	290 9162	518 21324	999 35987	2344	4685	5.00 200	10.0 500	20.0 1000	50.0	100
2,4-Dinitrotoluene	Ave	554 17903	1019 42150	1928 71751	4548	9095	5.00 200	10.0 500	20.0 1000	50.0	100
2,6-Dinitrotoluene	Ave	321 10604	608 24966	1136 42712	2684	5372	5.00 200	10.0 500	20.0 1000	50.0	100
2-Amino-4,6-dinitrotoluene	Ave	490 14587	815 34688	1560 59533	3696	7381	5.00 200	10.0 500	20.0 1000	50.0	100
4-Amino-2,6-dinitrotoluene	Ave	378 12265	698 29383	1291 51500	3098	6164	5.00 200	10.0 500	20.0 1000	50.0	100
2,4,6-Trinitrotoluene	Ave	397 14609	794 35702	1522 65557	3621	7343	5.00 200	10.0 500	20.0 1000	50.0	100
HMX	Ave	358 12063	697 29531	1266 53842	3051	6061	5.00 200	10.0 500	20.0 1000	50.0	100

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1 Analy Batch No.: 4221

SDG No.:

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2012 12:30 Calibration End Date: 10/01/2012 20:08 Calibration ID: 1330

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Nitroglycerin	Ave	+++++ 17374	+++++ 42715	1883 78528	4368	8681	+++++ 200	+++++ 500	20.0 1000	50.0	100
Tetryl	Ave	640 22900	1249 57167	2370 107967	5690	11453	5.00 200	10.0 500	20.0 1000	50.0	100
PETN	Ave	+++++ 30042	+++++ 75876	3101 150075	7497	15219	+++++ 200	+++++ 500	20.0 1000	50.0	100
3,4-Dinitrotoluene	Ave	309 9033	532 13440	995 19696	2297	4646	5.00 200	10.0 300	20.0 500	50.0	100

Curve Type Legend:
Ave = Average by Height

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000004.D		
Lims ID:	STD01	Client ID:	
Inject. Date:	01-Oct-2012 12:30:50	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	HP8330L1_00004 5ng/mL;1;320-0000975-002		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	11
Lims Batch ID:	4221	Lims Sample ID:	2
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m		
Last Update:	02-Oct-2012 13:09:27	Calib Date:	01-Oct-2012 20:08:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 02-Oct-2012 08:00:41

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.445	21.445	0.0	274	6.01	
3 Ethylene glycol dinitrate						
2	22.385	22.389	-0.004	212	10.1	
24 1,3-Dinitrobenzene						
1	24.385	24.385	0.0	583	5.81	
27 1,3,5-Trinitrobenzene						
1	26.912	26.889	0.023	449	5.70	
16 o-Nitrotoluene						
1	28.422	28.462	-0.040	347	5.70	
15 p-Nitrotoluene						
1	28.422	28.462	-0.040	347	5.70	
8 m-Nitrotoluene						
1	29.035	29.032	0.003	243	6.00	
9 3,5-Dinitroaniline						
1	30.502	30.525	-0.023	465	5.84	
19 RDX						
1	31.199	31.189	0.010	290	6.14	
23 2,4-Dinitrotoluene						
1	32.099	32.099	0.0	554	6.02	
12 2,6-Dinitrotoluene						
1	33.079	33.075	0.004	321	5.91	
6 2-Amino-4,6-dinitrotoluene						
1	35.235	35.265	-0.030	490	6.46	
26 4-Amino-2,6-dinitrotoluene						
1	35.829	35.849	-0.020	378	5.99	
$ 30 3,4-Dinitrotoluene						
1	37.689	37.675	0.014	309	6.40	

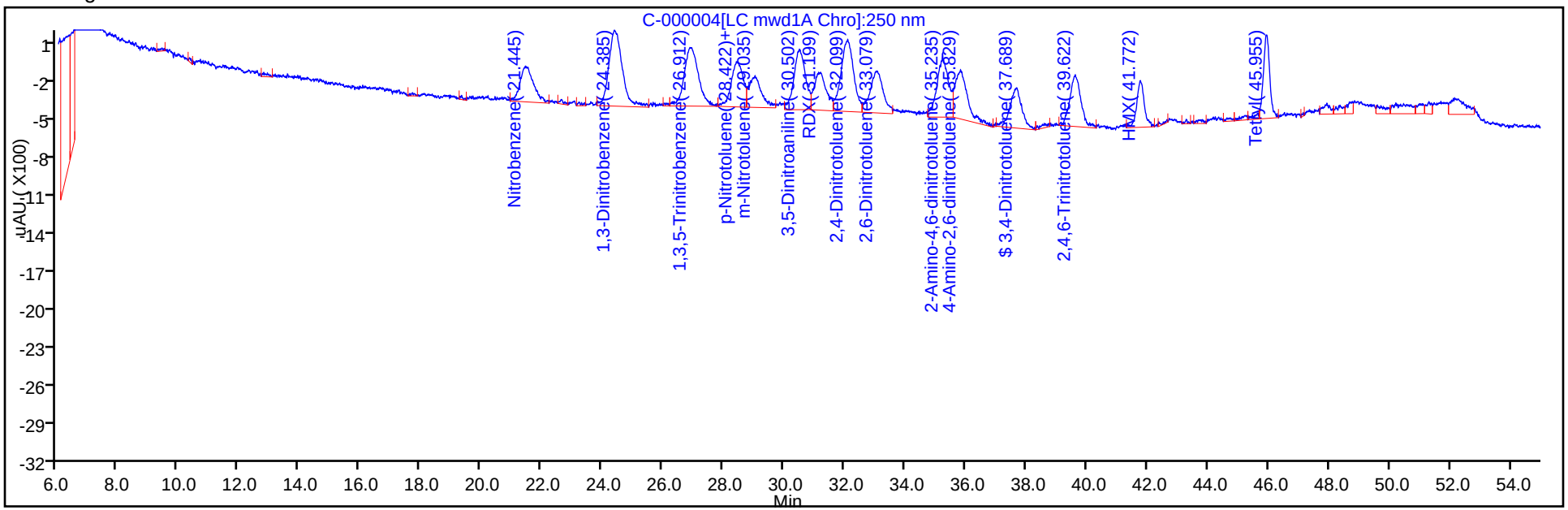
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.622	39.615	0.007	397	5.38	
11 HMX						
1	41.772	41.802	-0.030	358	5.73	
7 Nitroglycerin						
2	44.162	44.185	-0.023	528	6.10	
20 Tetryl						
1	45.955	45.985	-0.030	640	5.47	
21 PETN						
2	52.649	52.672	-0.023	841	5.55	

Report Date: 02-Oct-2012 13:09:28 Chrom Revision: 2.1 28-Sep-2012 12:22:52

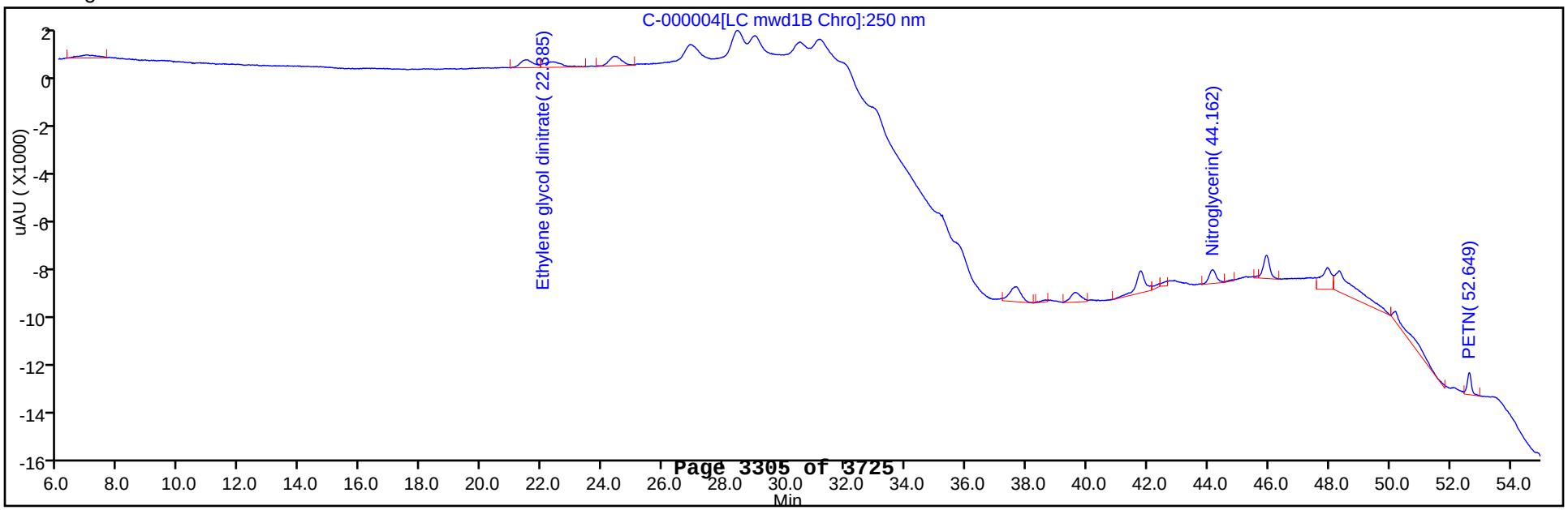
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000004.D		
Injection Date:	01-Oct-2012 12:30:50	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	4221	Lims Sample ID:	2
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000005.D		
Lims ID:	STD02	Client ID:	
Inject. Date:	01-Oct-2012 13:36:10	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	HP8330L2_00003 10ng/mL;1;320-0000975-003		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	12
Lims Batch ID:	4221	Lims Sample ID:	3
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m		
Last Update:	02-Oct-2012 13:09:28	Calib Date:	01-Oct-2012 20:08:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 02-Oct-2012 08:00:50

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.475	21.445	0.030	507	11.1	
3 Ethylene glycol dinitrate						
2	22.352	22.389	-0.037	295	14.0	
24 1,3-Dinitrobenzene						
1	24.365	24.385	-0.020	1117	11.1	
27 1,3,5-Trinitrobenzene						
1	26.898	26.889	0.009	868	11.0	
16 o-Nitrotoluene						
1	28.458	28.462	-0.004	649	10.7	
15 p-Nitrotoluene						
1	28.458	28.462	-0.004	649	10.7	
8 m-Nitrotoluene						
1	29.018	29.032	-0.014	430	10.6	
9 3,5-Dinitroaniline						
1	30.518	30.525	-0.007	881	11.1	
19 RDX						
1	31.168	31.189	-0.021	518	11.0	
23 2,4-Dinitrotoluene						
1	32.095	32.099	-0.004	1019	11.1	
12 2,6-Dinitrotoluene						
1	33.078	33.075	0.003	608	11.2	
6 2-Amino-4,6-dinitrotoluene						
1	35.242	35.265	-0.023	815	10.7	
26 4-Amino-2,6-dinitrotoluene						
1	35.835	35.849	-0.014	698	11.1	
$ 30 3,4-Dinitrotoluene						
1	37.632	37.675	-0.043	532	11.0	

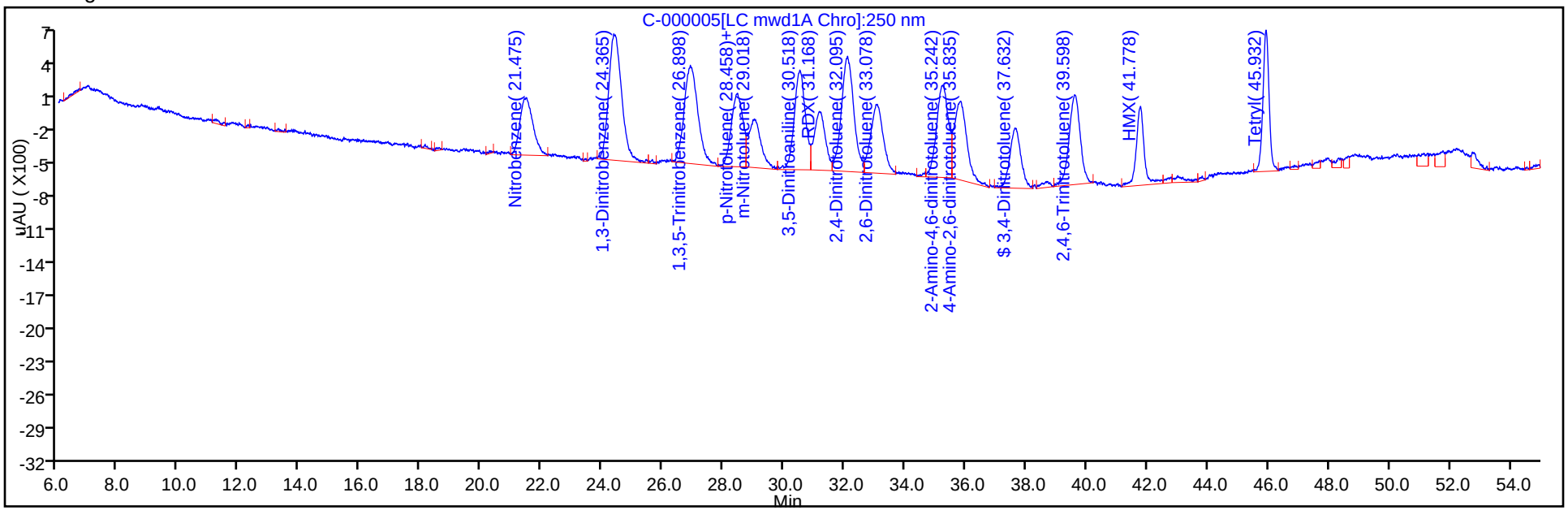
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.598	39.615	-0.017	794	10.8	
11 HMX						
1	41.778	41.802	-0.024	697	11.2	
7 Nitroglycerin						
2	44.145	44.185	-0.040	984	11.4	
20 Tetryl						
1	45.932	45.985	-0.053	1249	10.7	
21 PETN						
2	52.638	52.672	-0.034	1595	10.5	

Report Date: 02-Oct-2012 13:09:29 Chrom Revision: 2.1 28-Sep-2012 12:22:52

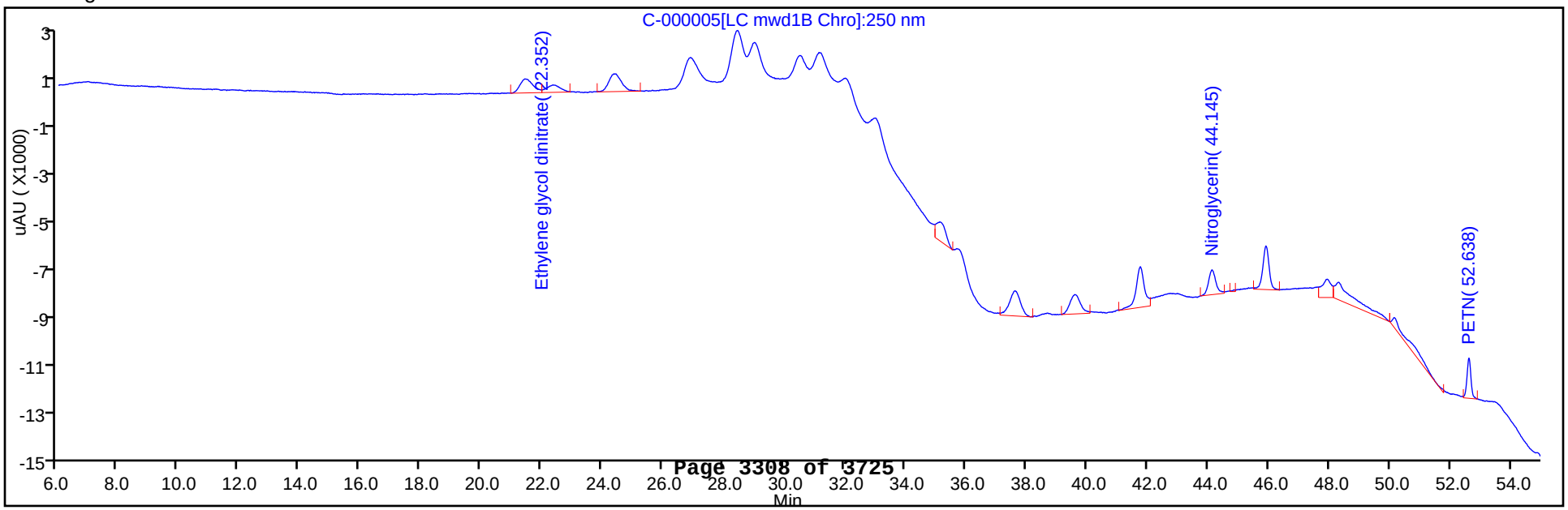
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000005.D		
Injection Date:	01-Oct-2012 13:36:10	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	4221	Lims Sample ID:	3
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000006.D		
Lims ID:	STD03	Client ID:	
Inject. Date:	01-Oct-2012 14:41:28	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	HP8330L3_00003 20ng/mL;1;320-0000975-004		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	13
Lims Batch ID:	4221	Lims Sample ID:	4
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m		
Last Update:	02-Oct-2012 13:09:29	Calib Date:	01-Oct-2012 20:08:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 02-Oct-2012 08:00:57

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.441	21.445	-0.004	970	21.3	
3 Ethylene glycol dinitrate						
2	22.331	22.389	-0.058	497	23.6	
24 1,3-Dinitrobenzene						
1	24.371	24.385	-0.014	2151	21.4	
27 1,3,5-Trinitrobenzene						
1	26.881	26.889	-0.008	1647	20.9	
16 o-Nitrotoluene						
1	28.421	28.462	-0.041	1241	20.4	
15 p-Nitrotoluene						
1	28.421	28.462	-0.041	1241	20.4	
8 m-Nitrotoluene						
1	28.985	29.032	-0.047	823	20.3	
9 3,5-Dinitroaniline						
1	30.471	30.525	-0.054	1699	21.3	
19 RDX						
1	31.141	31.189	-0.048	999	21.1	
23 2,4-Dinitrotoluene						
1	32.058	32.099	-0.041	1928	20.9	
12 2,6-Dinitrotoluene						
1	33.008	33.075	-0.067	1136	20.9	
6 2-Amino-4,6-dinitrotoluene						
1	35.205	35.265	-0.060	1560	20.6	
26 4-Amino-2,6-dinitrotoluene						
1	35.761	35.849	-0.088	1291	20.4	
$ 30 3,4-Dinitrotoluene						
1	37.618	37.675	-0.057	995	20.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.571	39.615	-0.044	1522	20.6	
11 HMX						
1	41.738	41.802	-0.064	1266	20.3	
7 Nitroglycerin						
2	44.121	44.185	-0.064	1883	21.8	
20 Tetryl						
1	45.908	45.985	-0.077	2370	20.2	
21 PETN						
2	52.631	52.672	-0.041	3101	20.5	

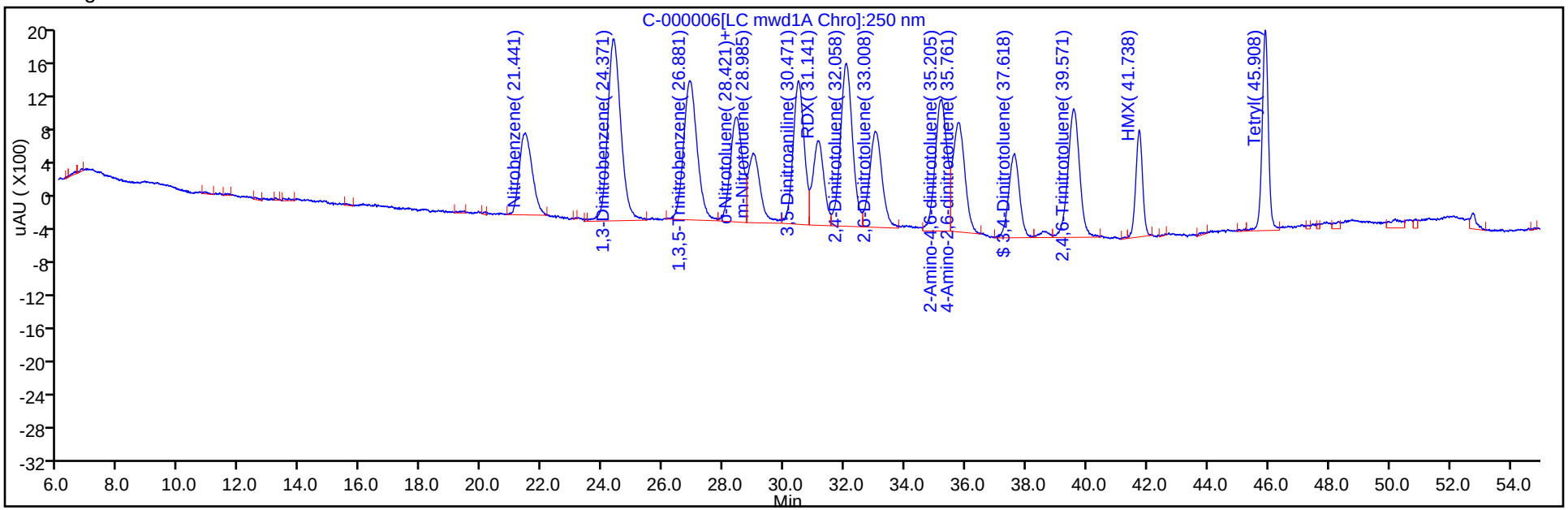
Report Date: 02-Oct-2012 13:09:30 Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

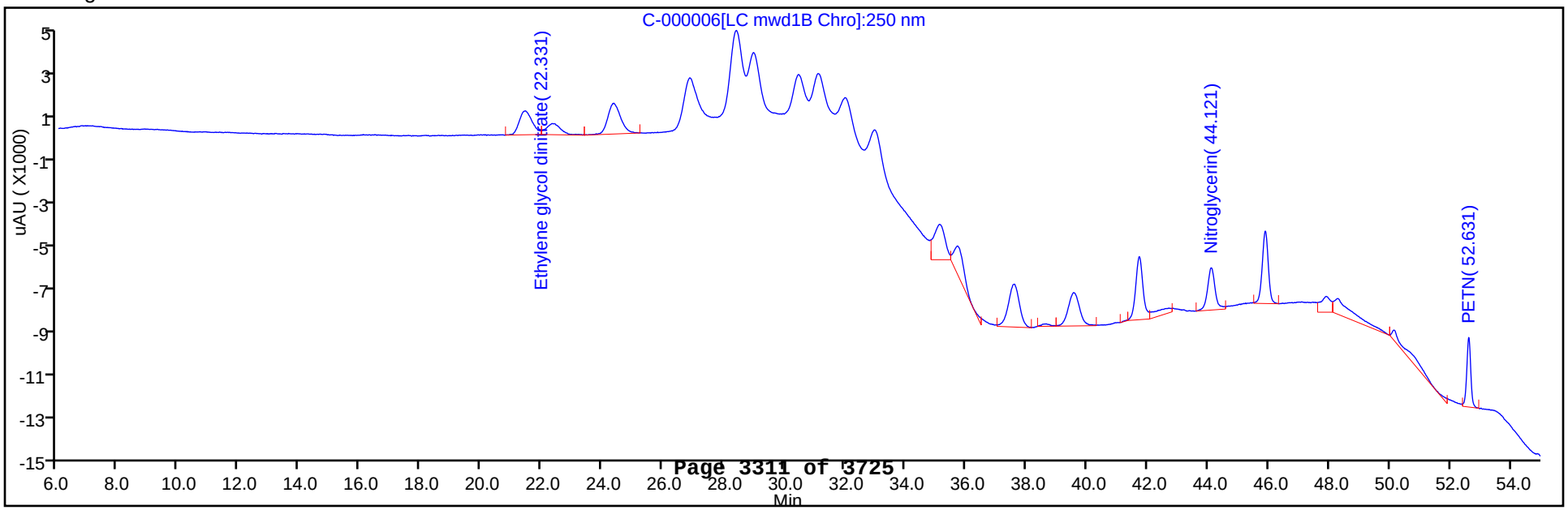
Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000006.D

Injection Date:	01-Oct-2012 14:41:28	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	4221	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000007.D		
Lims ID:	STD04	Client ID:	
Inject. Date:	01-Oct-2012 15:46:48	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	HP8330L4_00003 50ng/mL;1;320-0000975-005		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	14
Lims Batch ID:	4221	Lims Sample ID:	5
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m		
Last Update:	02-Oct-2012 13:09:30	Calib Date:	01-Oct-2012 20:08:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 02-Oct-2012 08:01:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.416	21.445	-0.029	2330	51.1	
3 Ethylene glycol dinitrate						
2	22.363	22.389	-0.026	1111	52.7	
24 1,3-Dinitrobenzene						
1	24.346	24.385	-0.039	5091	50.7	
27 1,3,5-Trinitrobenzene						
1	26.863	26.889	-0.026	3933	49.9	
16 o-Nitrotoluene						
1	28.406	28.462	-0.056	2936	48.2	
15 p-Nitrotoluene						
1	28.406	28.462	-0.056	2936	48.2	
8 m-Nitrotoluene						
1	28.979	29.032	-0.053	1912	47.2	
9 3,5-Dinitroaniline						
1	30.463	30.525	-0.062	4000	50.2	
19 RDX						
1	31.126	31.189	-0.063	2344	49.6	
23 2,4-Dinitrotoluene						
1	32.039	32.099	-0.060	4548	49.4	
12 2,6-Dinitrotoluene						
1	33.016	33.075	-0.059	2684	49.4	
6 2-Amino-4,6-dinitrotoluene						
1	35.183	35.265	-0.082	3696	48.7	
26 4-Amino-2,6-dinitrotoluene						
1	35.766	35.849	-0.083	3098	49.1	
$ 30 3,4-Dinitrotoluene						
1	37.606	37.675	-0.069	2297	47.5	

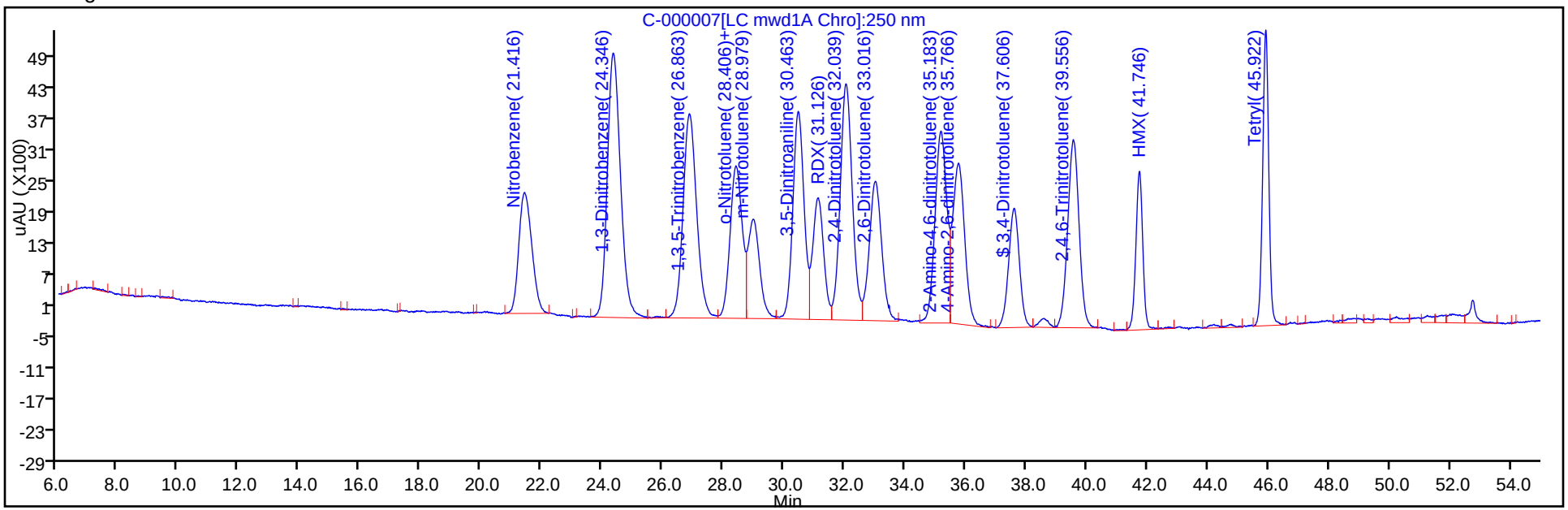
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.556	39.615	-0.059	3621	49.0	
11 HMX						
1	41.746	41.802	-0.056	3051	48.9	
7 Nitroglycerin						
2	44.129	44.185	-0.056	4368	50.5	
20 Tetryl						
1	45.922	45.985	-0.063	5690	48.6	
21 PETN						
2	52.626	52.672	-0.046	7497	49.5	

Report Date: 02-Oct-2012 13:09:31 Chrom Revision: 2.1 28-Sep-2012 12:22:52

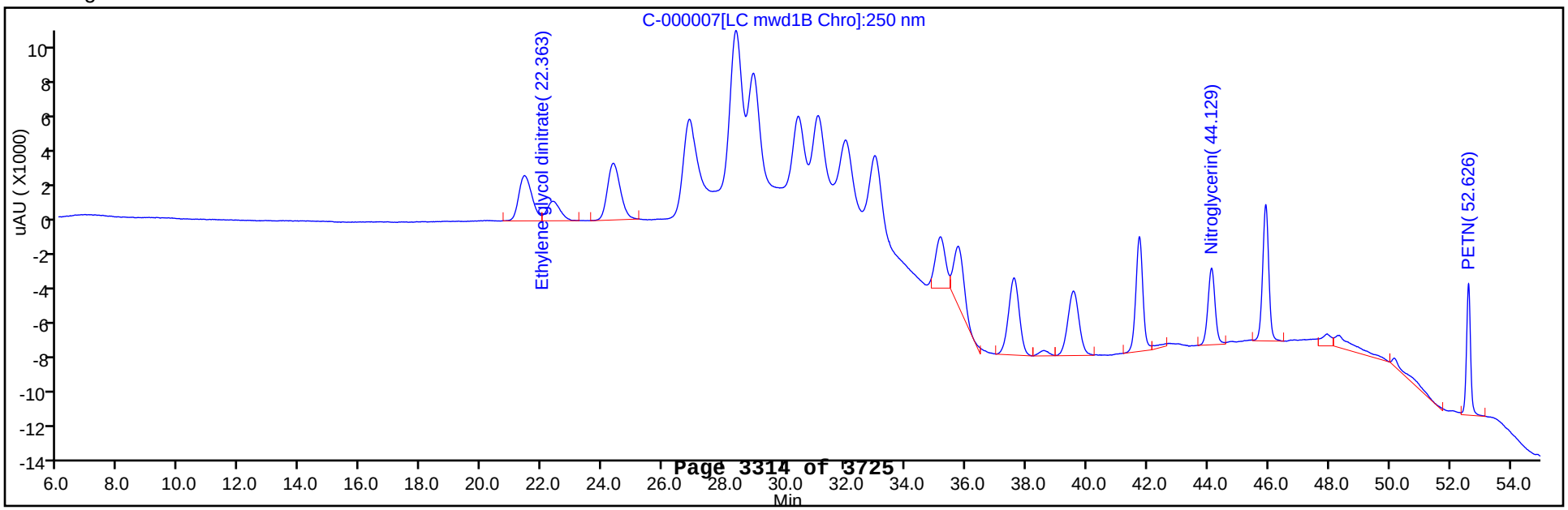
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000007.D		
Injection Date:	01-Oct-2012 15:46:48	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	4221	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000008.D
Lims ID: STD05 Client ID:
Inject. Date: 01-Oct-2012 16:52:25 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: HP8330L5_00004 ;1;320-0000975-006
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 15
Lims Batch ID: 4221 Lims Sample ID: 6
Sublist: chrom-LC12_Conf_8330*sub1

Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
Last Update: 02-Oct-2012 13:09:31 Calib Date: 01-Oct-2012 20:08:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK005

First Level Reviewer: noonanr Date: 02-Oct-2012 08:01:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.424	21.424	0.0	4689	102.8	
3 Ethylene glycol dinitrate						
2	22.354	22.354	0.0	2253	106.8	
24 1,3-Dinitrobenzene						
1	24.360	24.360	0.0	10154	101.2	
27 1,3,5-Trinitrobenzene						
1	26.877	26.877	0.0	7871	99.9	
16 o-Nitrotoluene						
1	28.430	28.430	0.0	5954	97.8	
15 p-Nitrotoluene						
1	28.430	28.430	0.0	5954	97.8	
8 m-Nitrotoluene						
1	28.994	28.994	0.0	3899	96.2	
9 3,5-Dinitroaniline						
1	30.480	30.480	0.0	7964	100.0	
19 RDX						
1	31.134	31.134	0.0	4685	99.2	
23 2,4-Dinitrotoluene						
1	32.060	32.060	0.0	9095	98.8	
12 2,6-Dinitrotoluene						
1	33.030	33.030	0.0	5372	98.8	
6 2-Amino-4,6-dinitrotoluene						
1	35.194	35.194	0.0	7381	97.3	
26 4-Amino-2,6-dinitrotoluene						
1	35.774	35.774	0.0	6164	97.6	
$ 30 3,4-Dinitrotoluene						
1	37.604	37.604	0.0	4646	96.2	

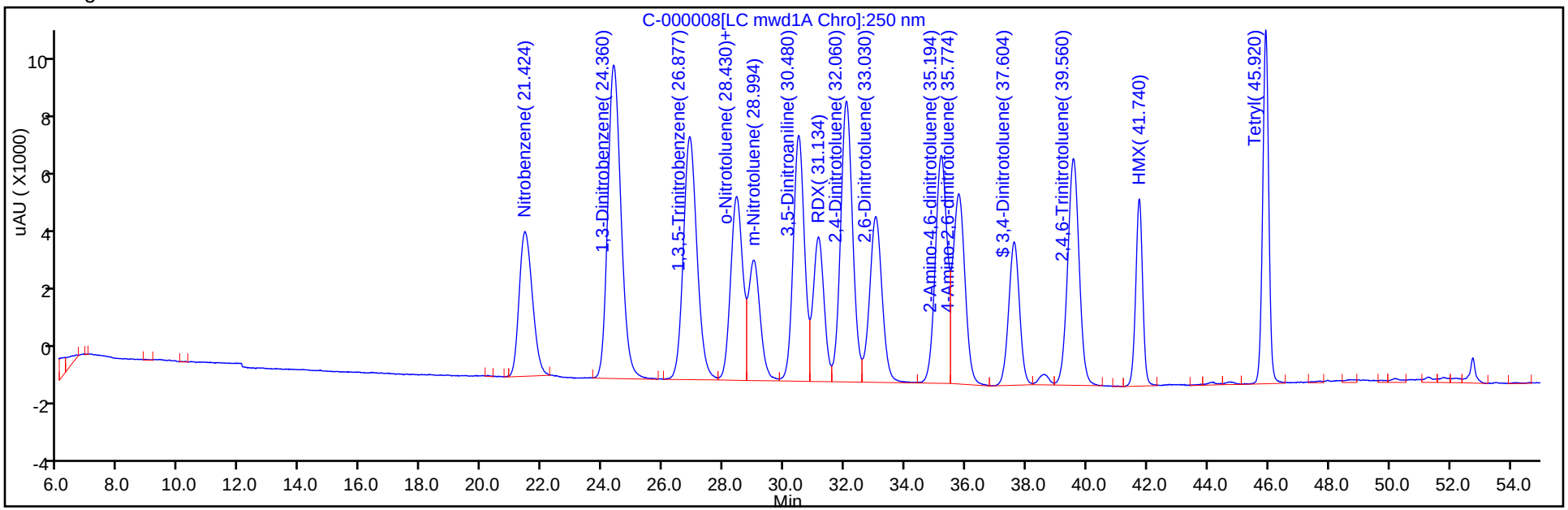
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.560	39.560	0.0	7343	99.4	
11 HMX						
1	41.740	41.740	0.0	6061	97.1	
7 Nitroglycerin						
2	44.130	44.130	0.0	8681	100.3	
20 Tetryl						
1	45.920	45.920	0.0	11453	97.8	
21 PETN						
2	52.630	52.630	0.0	15219	100.4	

Report Date: 02-Oct-2012 13:09:32 Chrom Revision: 2.1 28-Sep-2012 12:22:52

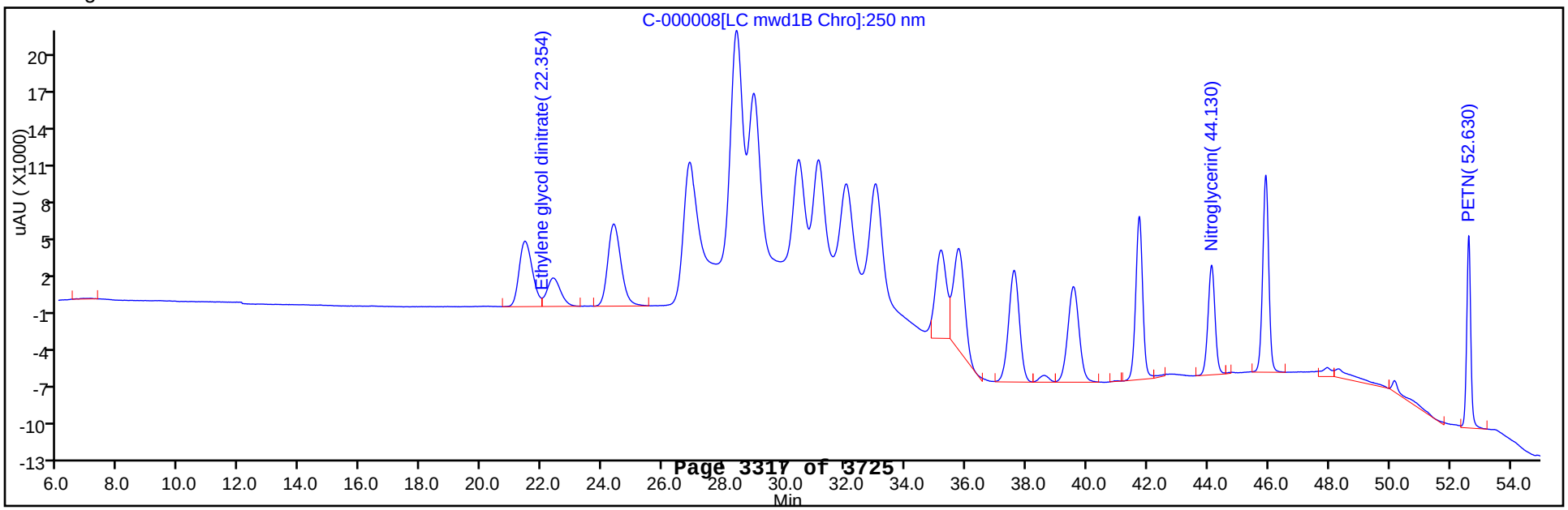
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000008.D		
Injection Date:	01-Oct-2012 16:52:25	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	4221	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000009.D		
Lims ID:	STD06	Client ID:	
Inject. Date:	01-Oct-2012 17:57:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	HP8330L6_00004 ;1;320-0000975-007		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	16
Lims Batch ID:	4221	Lims Sample ID:	7
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m		
Last Update:	02-Oct-2012 13:09:32	Calib Date:	01-Oct-2012 20:08:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 02-Oct-2012 08:01:18

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.418	21.424	-0.006	9074	199.0	
3 Ethylene glycol dinitrate						
2	22.341	22.354	-0.013	4283	203.1	
24 1,3-Dinitrobenzene						
1	24.341	24.360	-0.019	19839	197.6	
27 1,3,5-Trinitrobenzene						
1	26.851	26.877	-0.026	15541	197.3	
16 o-Nitrotoluene						
1	28.398	28.430	-0.032	11674	191.7	
15 p-Nitrotoluene						
1	28.398	28.430	-0.032	11674	191.7	
8 m-Nitrotoluene						
1	28.958	28.994	-0.036	7664	189.1	
9 3,5-Dinitroaniline						
1	30.451	30.480	-0.029	15694	197.0	
19 RDX						
1	31.105	31.134	-0.029	9162	193.9	
23 2,4-Dinitrotoluene						
1	32.025	32.060	-0.035	17903	194.4	
12 2,6-Dinitrotoluene						
1	32.991	33.030	-0.039	10604	195.1	
6 2-Amino-4,6-dinitrotoluene						
1	35.158	35.194	-0.036	14587	192.2	
26 4-Amino-2,6-dinitrotoluene						
1	35.731	35.774	-0.043	12265	194.2	
$ 30 3,4-Dinitrotoluene						
1	37.571	37.604	-0.033	9033	187.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.538	39.560	-0.022	14609	197.8	
11 HMX						
1	41.715	41.740	-0.025	12063	193.2	
7 Nitroglycerin						
2	44.108	44.130	-0.022	17374	200.8	
20 Tetryl						
1	45.905	45.920	-0.015	22900	195.6	
21 PETN						
2	52.628	52.630	-0.002	30042	198.2	

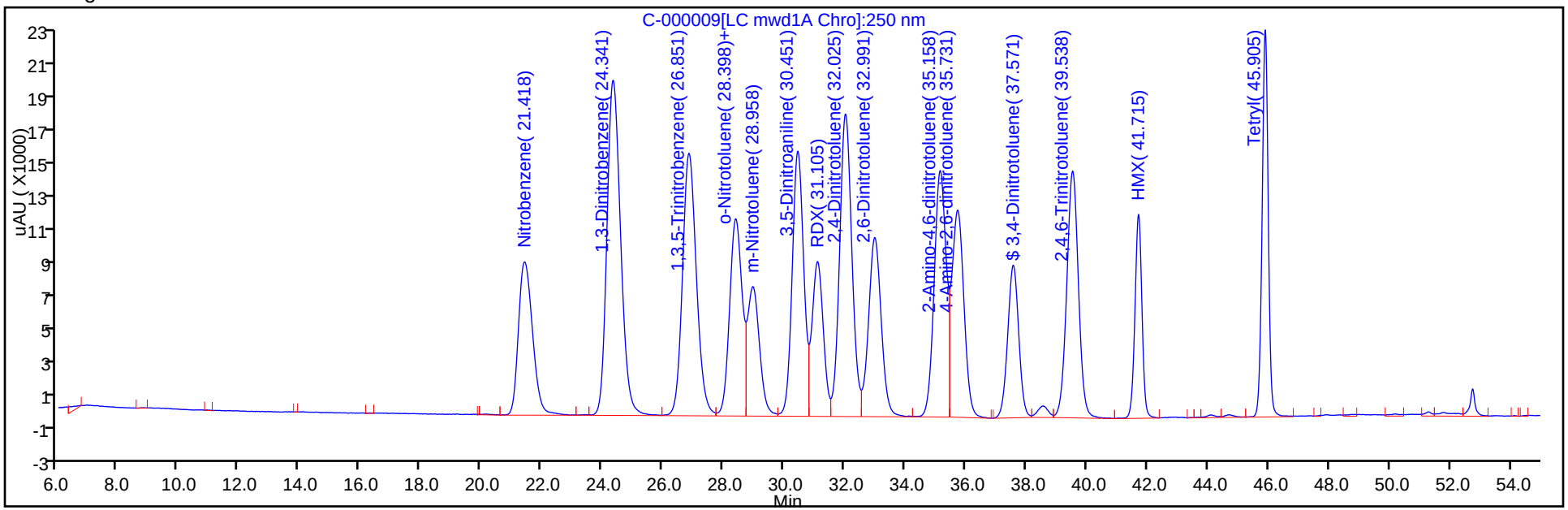
Report Date: 02-Oct-2012 13:09:33 Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

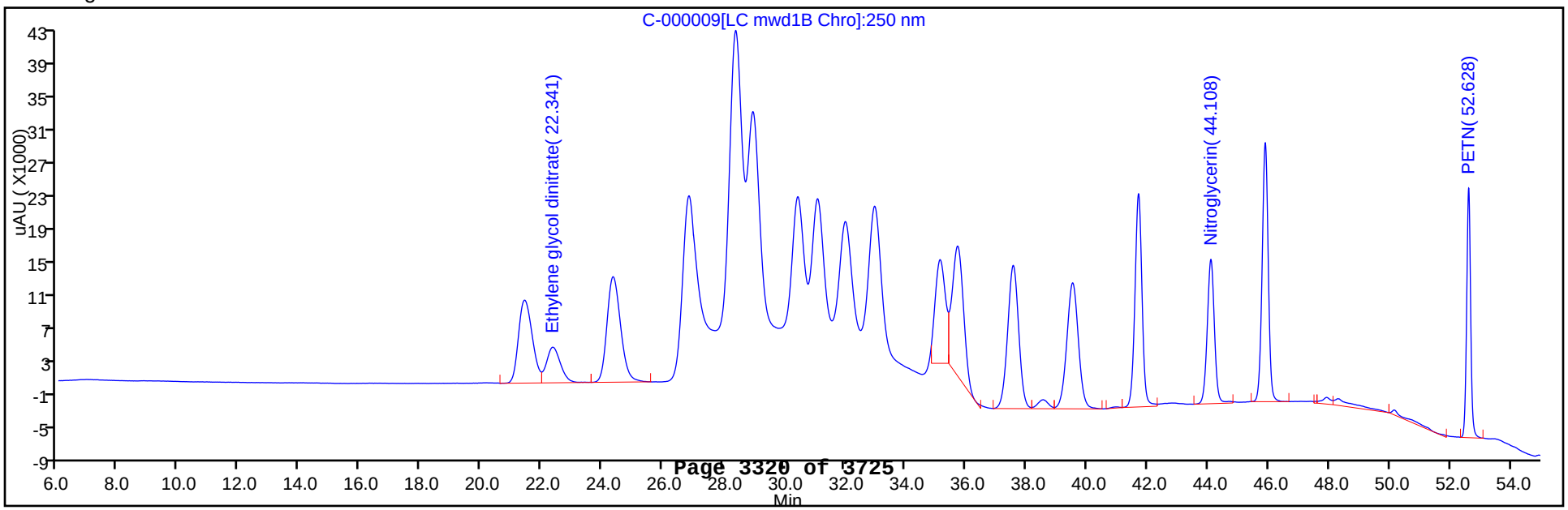
Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000009.D

Injection Date:	01-Oct-2012 17:57:45	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	4221	Lims Sample ID:	7
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000010.D		
Lims ID:	STD07	Client ID:	
Inject. Date:	01-Oct-2012 19:03:03	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	HP8330L7_00003 ;1;320-0000975-008		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	17
Lims Batch ID:	4221	Lims Sample ID:	8
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m		
Last Update:	02-Oct-2012 13:09:33	Calib Date:	01-Oct-2012 20:08:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 02-Oct-2012 08:01:31

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.377	21.424	-0.047	20069	440.1	
3 Ethylene glycol dinitrate						
2	22.310	22.354	-0.044	9716	460.6	
24 1,3-Dinitrobenzene						
1	24.310	24.360	-0.050	45405	452.3	
27 1,3,5-Trinitrobenzene						
1	26.824	26.877	-0.053	36573	464.4	
16 o-Nitrotoluene						
1	28.384	28.430	-0.046	26632	437.4	
15 p-Nitrotoluene						
1	28.384	28.430	-0.046	26632	437.4	
8 m-Nitrotoluene						
1	28.934	28.994	-0.060	17677	436.2	
9 3,5-Dinitroaniline						
1	30.440	30.480	-0.040	36398	456.9	
19 RDX						
1	31.094	31.134	-0.040	21324	451.4	
23 2,4-Dinitrotoluene						
1	32.017	32.060	-0.043	42150	457.8	
12 2,6-Dinitrotoluene						
1	32.990	33.030	-0.040	24966	459.3	
6 2-Amino-4,6-dinitrotoluene						
1	35.164	35.194	-0.030	34688	457.1	
26 4-Amino-2,6-dinitrotoluene						
1	35.734	35.774	-0.040	29383	465.3	
$ 30 3,4-Dinitrotoluene						
1	37.577	37.604	-0.027	13440	278.2	

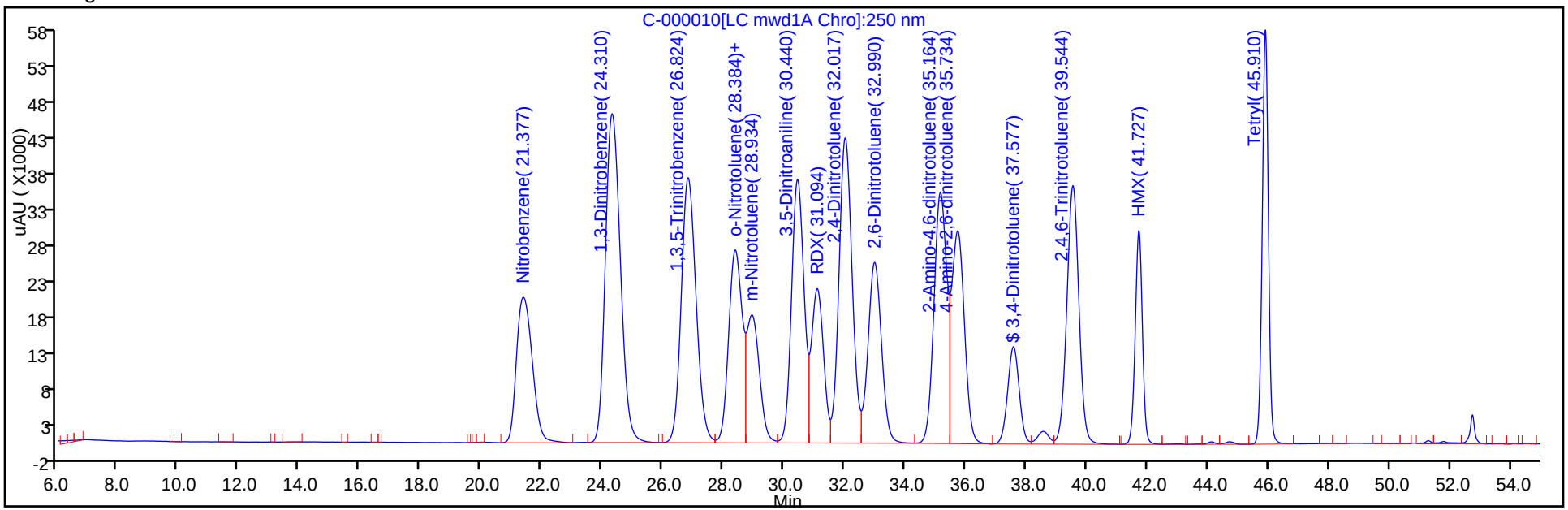
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	39.544	39.560	-0.016	35702	483.5	
11 HMX						
1	41.727	41.740	-0.013	29531	473.0	
7 Nitroglycerin						
2	44.117	44.130	-0.013	42715	493.7	
20 Tetryl						
1	45.910	45.920	-0.010	57167	488.3	
21 PETN						
2	52.630	52.630	0.0	75876	500.7	

Report Date: 02-Oct-2012 13:09:34 Chrom Revision: 2.1 28-Sep-2012 12:22:52

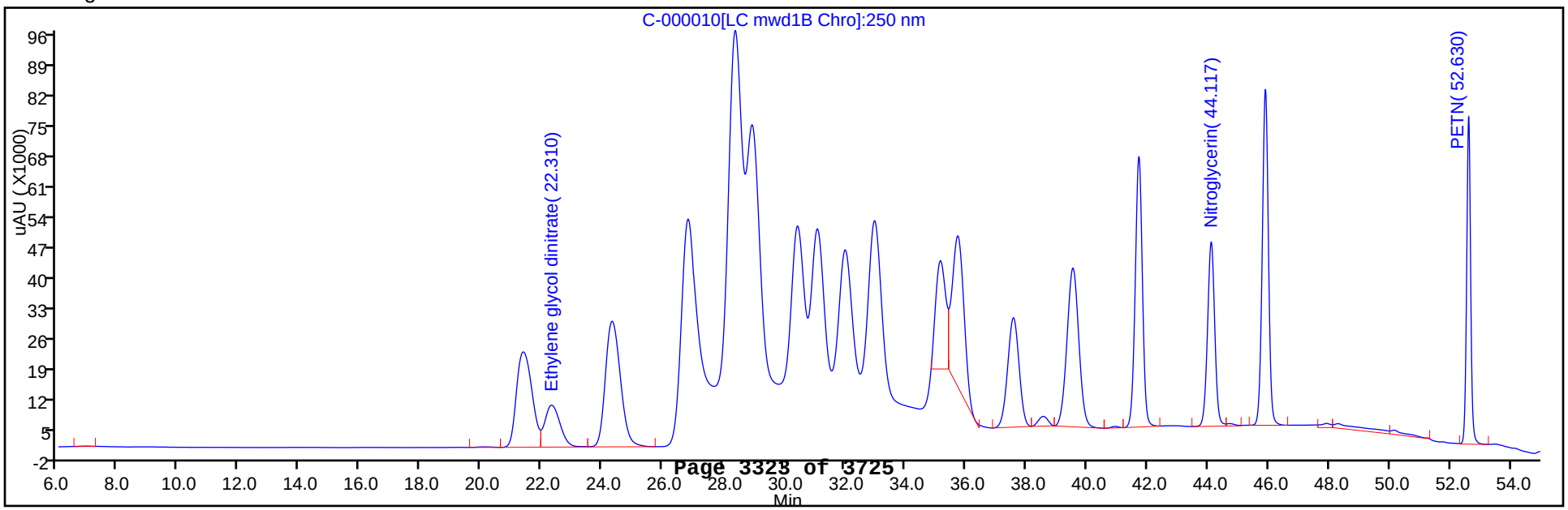
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000010.D		
Injection Date:	01-Oct-2012 19:03:03	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	4221	Lims Sample ID:	8
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
Lims ID: STD08 Client ID:
Inject. Date: 01-Oct-2012 20:08:22 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: HP8330L8_00003;1;320-0000975-009
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 18
Lims Batch ID: 4221 Lims Sample ID: 9
Sublist: chrom-LC12_Conf_8330*sub1

Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
Last Update: 02-Oct-2012 13:09:34 Calib Date: 01-Oct-2012 20:08:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK005

First Level Reviewer: noonanr Date: 02-Oct-2012 07:53:58

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
10 2,4,6-Trinitrophenol						
2	0.095	0.089	0.006	102	2000.0	
1	0.095	0.089	0.006	102	0	
5 Nitrobenzene						
1	21.419	21.424	-0.005	31779	697.0	
3 Ethylene glycol dinitrate						
2	22.305	22.354	-0.049	16105	763.6	
24 1,3-Dinitrobenzene						
1	24.362	24.360	0.002	73865	735.8	
27 1,3,5-Trinitrobenzene						
1	26.872	26.877	-0.005	62902	798.7	
16 o-Nitrotoluene						
1	28.465	28.430	0.035	45199	742.3	
15 p-Nitrotoluene						
1	28.465	28.430	0.035	45199	742.3	
9 3,5-Dinitroaniline						
1	30.512	30.480	0.032	60329	757.3	
19 RDX						
1	31.139	31.134	0.005	35987	761.8	
23 2,4-Dinitrotoluene						
1	32.089	32.060	0.029	71751	779.3	
12 2,6-Dinitrotoluene						
1	33.062	33.030	0.032	42712	785.8	
6 2-Amino-4,6-dinitrotoluene						
1	35.255	35.194	0.061	59533	784.5	
26 4-Amino-2,6-dinitrotoluene						
1	35.789	35.774	0.015	51500	815.6	

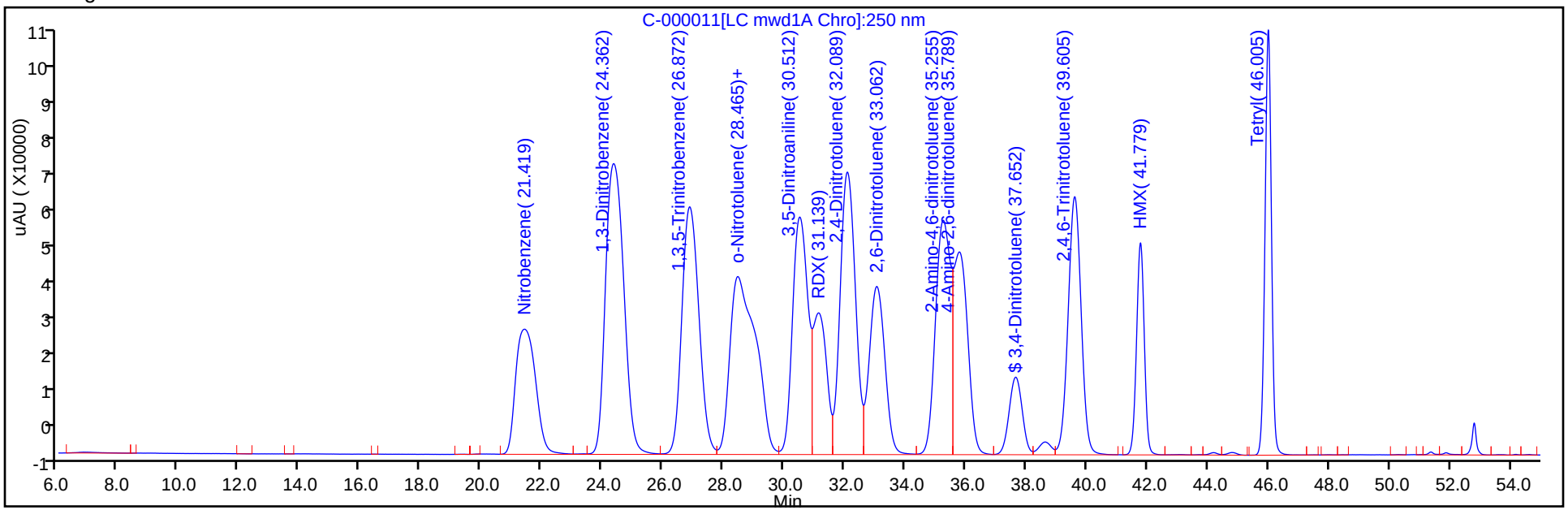
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	37.652	37.604	0.048	19696	407.7	
25 2,4,6-Trinitrotoluene						
1	39.605	39.560	0.045	65557	887.8	
11 HMX						
1	41.779	41.740	0.039	53842	862.4	
7 Nitroglycerin						
2	44.189	44.130	0.059	78528	907.6	
20 Tetryl						
1	46.005	45.920	0.085	107967	922.3	
21 PETN						
2	52.702	52.630	0.072	150075	990.4	

Report Date: 02-Oct-2012 13:09:35 Chrom Revision: 2.1 28-Sep-2012 12:22:52

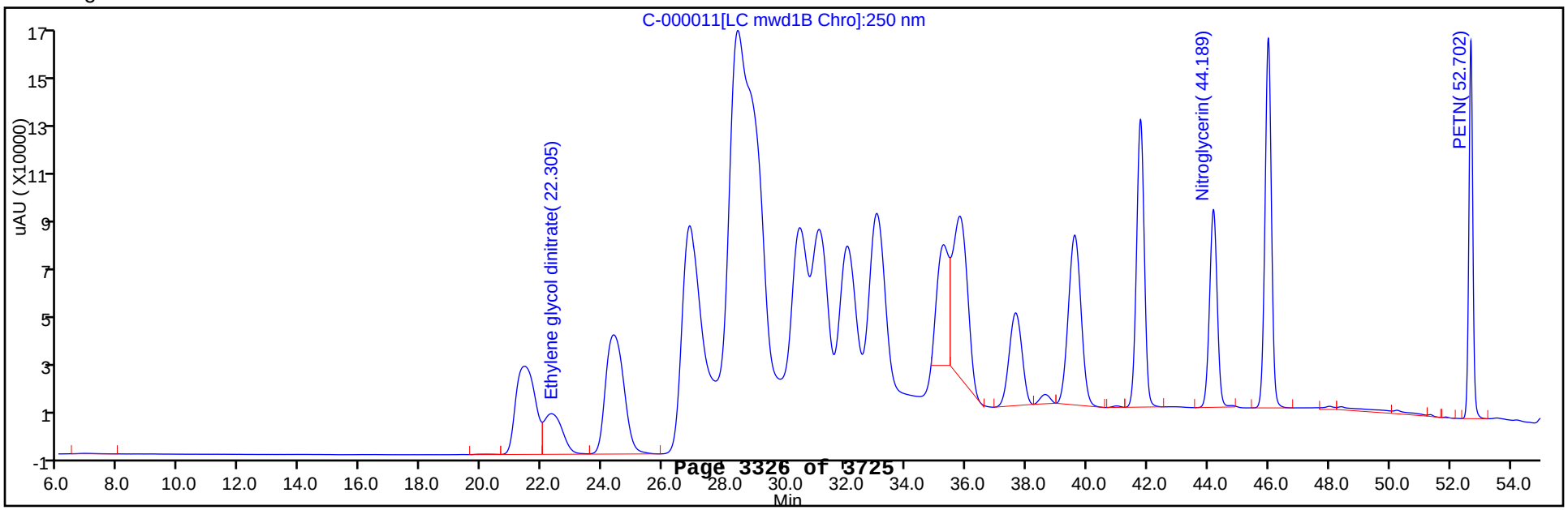
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D		
Injection Date:	01-Oct-2012 20:08:22	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	4221	Lims Sample ID:	9
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000015.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	129.4		514	500	2.8	20.0
RDX	Ave	88.99	86.72		487	500	-2.5	20.0
Ethylene glycol dinitrate	Ave	96.86	112.1		579	500	15.7	20.0
1,3,5-Trinitrobenzene	Ave	162.7	158.6		488	500	-2.5	20.0
1,3-Dinitrobenzene	Ave	161.7	155.7		481	500	-3.7	20.0
3,5-Dinitroaniline	Ave	103.9	108.4		522	500	4.3	20.0
Tetryl	Ave	86.55	92.08		532	500	6.4	20.0
Nitrobenzene	Ave	73.74	71.77		487	500	-2.7	20.0
Nitroglycerin	Ave	64.89	64.13		494	500	-1.2	20.0
2,4,6-Trinitrotoluene	Ave	92.79	94.76		511	500	2.1	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	72.57		479	500	-4.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	81.12		485	500	-3.0	20.0
2,6-Dinitrotoluene	Ave	59.58	57.45		482	500	-3.6	20.0
2,4-Dinitrotoluene	Ave	95.97	94.66		493	500	-1.4	20.0
2-Nitrotoluene	Ave	44.56	40.14		450	500	-9.9	20.0
4-Nitrotoluene	Ave	53.43	49.54		464	500	-7.3	20.0
3-Nitrotoluene	Ave	53.94	48.54		450	500	-10.0	20.0
PETN	Ave	36.72	35.94		489	500	-2.1	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.24	4.99	5.49
RDX	7.58	7.33	7.83
Ethylene glycol dinitrate	8.30	8.06	8.56
1,3,5-Trinitrobenzene	9.99	9.74	10.24
1,3-Dinitrobenzene	12.68	12.43	12.93
3,5-Dinitroaniline	13.44	13.20	13.70
Tetryl	13.94	13.69	14.19
Nitrobenzene	14.49	14.25	14.75
Nitroglycerin	15.19	14.95	15.45
2,4,6-Trinitrotoluene	16.07	15.82	16.32
4-Amino-2,6-dinitrotoluene	16.61	16.37	16.87
2-Amino-4,6-dinitrotoluene	17.59	17.35	17.85
2,6-Dinitrotoluene	19.29	19.04	19.54
2,4-Dinitrotoluene	19.92	19.68	20.18
2-Nitrotoluene	23.39	23.17	23.67
4-Nitrotoluene	25.08	24.85	25.35
3-Nitrotoluene	27.04	26.80	27.30
PETN	29.65	29.40	29.90

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000015.D
Lims ID: ICV Client ID:
Inject. Date: 01-Sep-2012 17:51:02 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV HP8330IC_00005 500ng/mL;2
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 19
Lims Batch ID: 3377 Lims Sample ID: 11
Sublist:

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:58 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:53:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.238	5.235	0.003	64694	514.2	
19 RDX						
1	7.584	7.579	0.005	43361	487.3	
3 Ethylene glycol dinitrate						
2	8.304	8.305	-0.001	56056	578.7	
10 2,4,6-Trinitrophenol						
2	8.611	8.685	-0.074	118451	961.8	
1	8.611	8.685	-0.074	78800	953.2	
27 1,3,5-Trinitrobenzene						
1	9.991	9.992	-0.001	79307	487.5	
24 1,3-Dinitrobenzene						
1	12.684	12.682	0.002	77842	481.5	
9 3,5-Dinitroaniline						
1	13.438	13.449	-0.011	54213	521.7	
20 Tetryl						
1	13.938	13.939	-0.001	46038	531.9	
5 Nitrobenzene						
1	14.488	14.495	-0.007	35885	486.6	
7 Nitroglycerin						
2	15.194	15.202	-0.008	32066	494.2	
25 2,4,6-Trinitrotoluene						
1	16.071	16.069	0.002	47381	510.6	
26 4-Amino-2,6-dinitrotoluene						
1	16.611	16.619	-0.008	36286	479.1	
6 2-Amino-4,6-dinitrotoluene						
1	17.591	17.595	-0.004	40559	485.2	

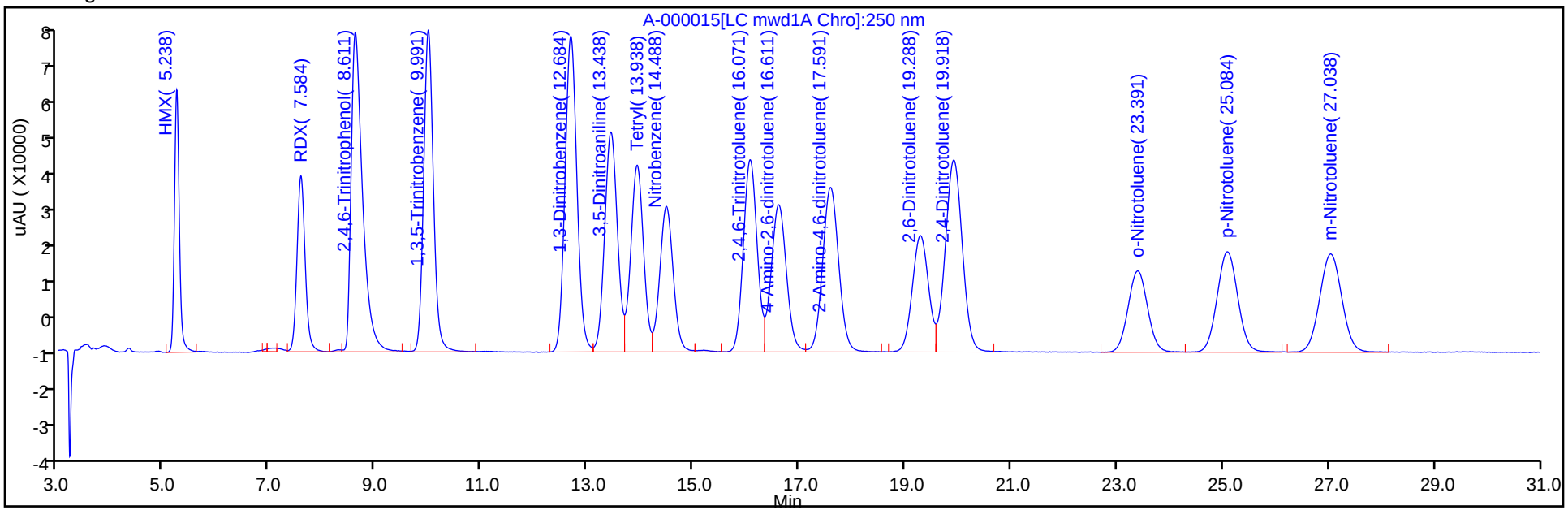
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	19.288	19.285	0.003	28726	482.1	
23 2,4-Dinitrotoluene						
1	19.918	19.925	-0.007	47332	493.2	
16 o-Nitrotoluene						
1	23.391	23.415	-0.024	20070	450.5	
15 p-Nitrotoluene						
1	25.084	25.102	-0.018	24769	463.6	
8 m-Nitrotoluene						
1	27.038	27.052	-0.014	24271	450.0	
21 PETN						
2	29.648	29.649	-0.001	17969	489.3	

Report Date: 13-Sep-2012 10:20:00 Chrom Revision: 2.1 12-Sep-2012 21:43:20

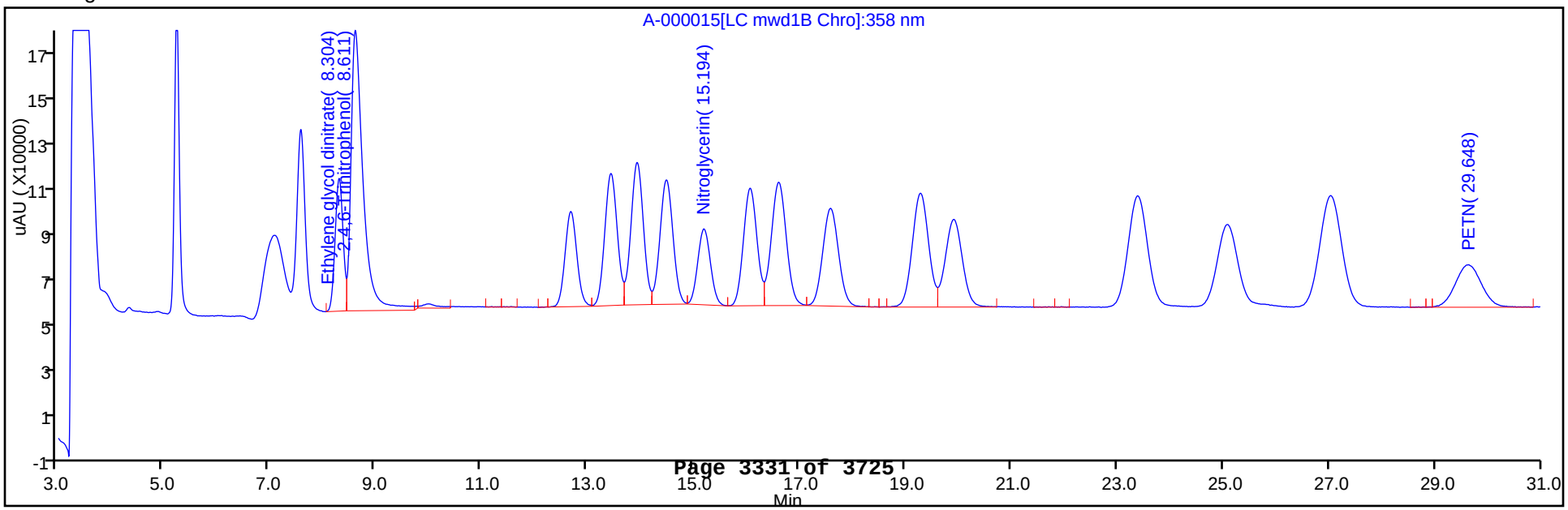
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000015.D		
Injection Date:	01-Sep-2012 17:51:02	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	11
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000017.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	123.8		4.92	5.00	-1.6	
RDX	Ave	88.99	99.40		5.59	5.00	11.7	
1,3,5-Trinitrobenzene	Ave	162.7	165.0		5.07	5.00	1.4	
1,3-Dinitrobenzene	Ave	161.7	168.6		5.21	5.00	4.3	
3,5-Dinitroaniline	Ave	103.9	110.0		5.29	5.00	5.9	
Tetryl	Ave	86.55	76.60		4.43	5.00	-11.5	
Nitrobenzene	Ave	73.74	77.80		5.28	5.00	5.5	
Nitroglycerin	Ave	64.89	84.10		25.9	20.0	29.6	
2,4,6-Trinitrotoluene	Ave	92.79	89.60		4.83	5.00	-3.4	
4-Amino-2,6-dinitrotoluene	Ave	75.73	92.20		6.09	5.00	21.7	
2-Amino-4,6-dinitrotoluene	Ave	83.59	91.20		5.46	5.00	9.1	
2,6-Dinitrotoluene	Ave	59.58	63.20		5.30	5.00	6.1	
2,4-Dinitrotoluene	Ave	95.97	108.0		5.63	5.00	12.5	
2-Nitrotoluene	Ave	44.56	55.20		6.19	5.00	23.9	
4-Nitrotoluene	Ave	53.43	69.20		6.48	5.00	29.5	
3-Nitrotoluene	Ave	53.94	62.60		5.80	5.00	16.1	
PETN	Ave	36.72	36.40		19.8	20.0	-0.9	
3,4-Dinitrotoluene	Ave	56.32	52.85		18.8	20.0	-6.2	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000017.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.25	4.99	5.49
RDX	7.57	7.33	7.83
1,3,5-Trinitrobenzene	10.01	9.74	10.24
1,3-Dinitrobenzene	12.70	12.43	12.93
3,5-Dinitroaniline	13.46	13.20	13.70
Tetryl	13.90	13.69	14.19
Nitrobenzene	14.53	14.25	14.75
Nitroglycerin	15.19	14.95	15.45
2,4,6-Trinitrotoluene	16.09	15.82	16.32
4-Amino-2,6-dinitrotoluene	16.61	16.37	16.87
2-Amino-4,6-dinitrotoluene	17.57	17.35	17.85
2,6-Dinitrotoluene	19.30	19.04	19.54
2,4-Dinitrotoluene	19.97	19.68	20.18
2-Nitrotoluene	23.32	23.17	23.67
4-Nitrotoluene	25.07	24.85	25.35
3-Nitrotoluene	27.00	26.80	27.30
PETN	29.57	29.40	29.90
Ethylene glycol dinitrate			
3,4-Dinitrotoluene	17.07	16.82	17.32

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000017.D
Lims ID: LODV 5-20ng/mL Client ID:
Inject. Date: 01-Sep-2012 19:11:04 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: MRL HP8330ICL_00002 5-50ng/mL;2
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 21
Lims Batch ID: 3377 Lims Sample ID: 13

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 13:28:32 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK036

First Level Reviewer: noonanr Date: 12-Sep-2012 14:27:02

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.245	5.235	0.010	619	4.92	
19 RDX						
1	7.565	7.579	-0.014	497	5.59	
27 1,3,5-Trinitrobenzene						
1	10.005	9.992	0.013	825	5.07	
24 1,3-Dinitrobenzene						
1	12.702	12.682	0.020	843	5.21	
9 3,5-Dinitroaniline						
1	13.459	13.449	0.010	550	5.29	
20 Tetryl						
1	13.902	13.939	-0.037	383	4.43	
5 Nitrobenzene						
1	14.532	14.495	0.037	389	5.28	
7 Nitroglycerin						
2	15.186	15.202	-0.016	1682	25.9	
25 2,4,6-Trinitrotoluene						
1	16.092	16.069	0.023	448	4.83	
26 4-Amino-2,6-dinitrotoluene						
1	16.609	16.619	-0.010	461	6.09	
$ 30 3,4-Dinitrotoluene						
1	17.069	17.072	-0.003	1057	18.8	
2	17.109	17.082	0.027	2127	20.6	
6 2-Amino-4,6-dinitrotoluene						
1	17.569	17.595	-0.026	456	5.46	
12 2,6-Dinitrotoluene						
1	19.299	19.285	0.014	316	5.30	
23 2,4-Dinitrotoluene						
1	19.966	19.925	0.041	540	5.63	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	23.316	23.415	-0.099	276	6.19	
15 p-Nitrotoluene						
1	25.066	25.102	-0.036	346	6.48	
8 m-Nitrotoluene						
1	26.999	27.052	-0.053	313	5.80	
21 PETN						
2	29.572	29.649	-0.077	728	19.8	

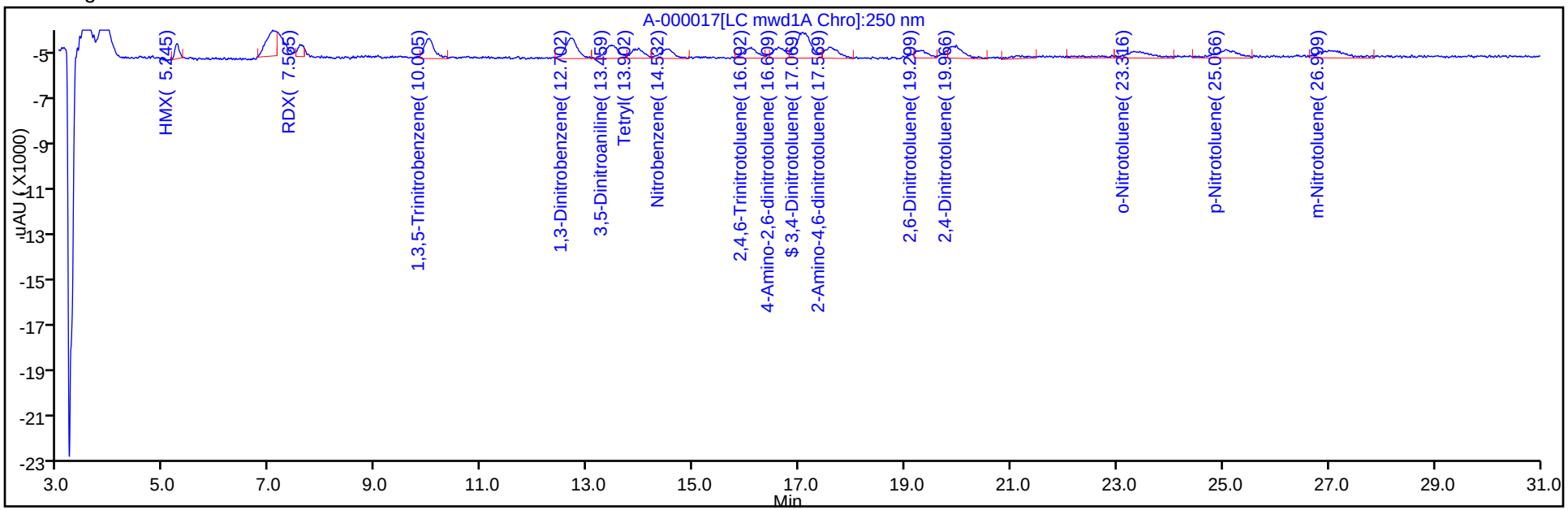
Report Date: 18-Sep-2012 08:28:09 Chrom Revision: 2.1 16-Sep-2012 09:37:06

TestAmerica West Sacramento

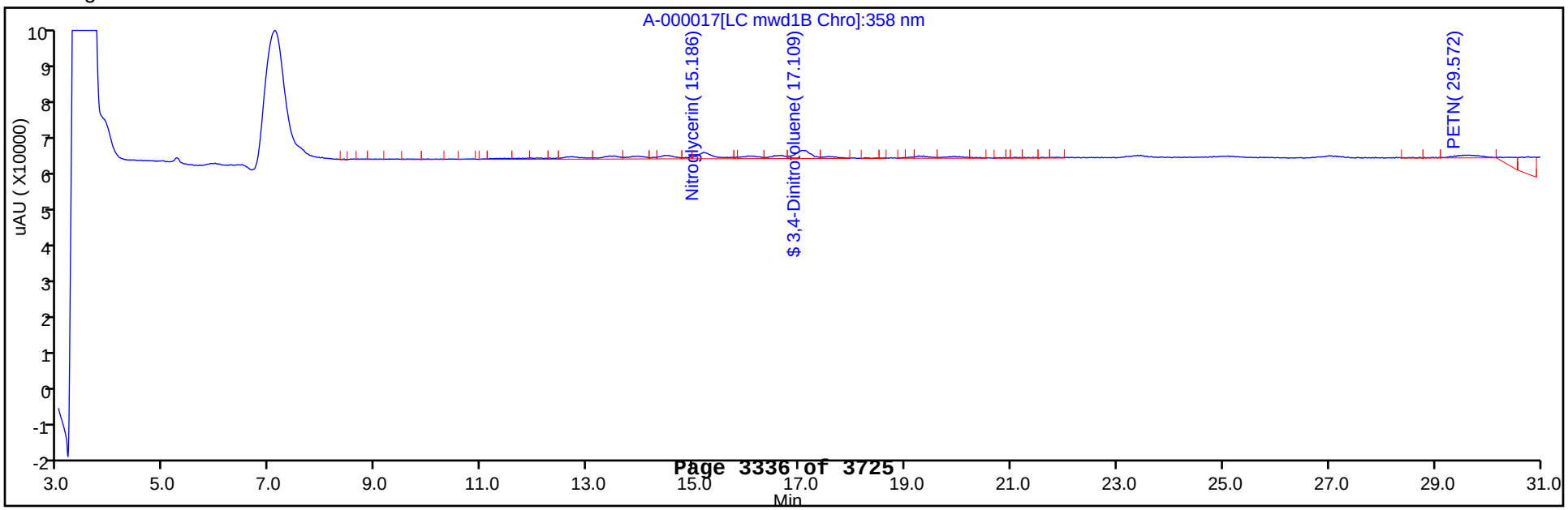
Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000017.D

Injection Date:	01-Sep-2012 19:11:04	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 320-8012/67 Calibration Date: 12/29/2012 23:13

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZB000058.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	128.0		102	100	1.8	20.0
RDX	Ave	88.99	90.92		102	100	2.2	20.0
Ethylene glycol dinitrate	Ave	96.86	112.6		116	100	16.2	20.0
1,3,5-Trinitrobenzene	Ave	162.7	166.3		102	100	2.2	20.0
1,3-Dinitrobenzene	Ave	161.7	166.6		103	100	3.1	20.0
3,5-Dinitroaniline	Ave	103.9	107.1		103	100	3.0	20.0
Tetryl	Ave	86.55	97.23		112	100	12.3	20.0
Nitrobenzene	Ave	73.74	76.04		103	100	3.1	20.0
Nitroglycerin	Ave	64.89	64.77		99.8	100	-0.2	20.0
2,4,6-Trinitrotoluene	Ave	92.79	101.3		109	100	9.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	76.70		101	100	1.3	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	85.84		103	100	2.7	20.0
2,6-Dinitrotoluene	Ave	59.58	60.51		102	100	1.6	20.0
2,4-Dinitrotoluene	Ave	95.97	99.46		104	100	3.6	20.0
2-Nitrotoluene	Ave	44.56	43.55		97.7	100	-2.3	20.0
4-Nitrotoluene	Ave	53.43	54.21		101	100	1.5	20.0
3-Nitrotoluene	Ave	53.94	54.27		101	100	0.6	20.0
PETN	Ave	36.72	38.60		105	100	5.1	20.0
3,4-Dinitrotoluene	Ave	56.32	56.47		100	100	0.3	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 320-8012/67 Calibration Date: 12/29/2012 23:13

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZB000058.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.49	7.24	7.74
Ethylene glycol dinitrate	8.18	7.93	8.43
1,3,5-Trinitrobenzene	9.82	9.57	10.07
1,3-Dinitrobenzene	12.43	12.18	12.68
3,5-Dinitroaniline	13.17	12.92	13.42
Tetryl	13.58	13.33	13.83
Nitrobenzene	14.17	13.92	14.42
Nitroglycerin	14.78	14.53	15.03
2,4,6-Trinitrotoluene	15.68	15.43	15.93
4-Amino-2,6-dinitrotoluene	16.20	15.95	16.45
2-Amino-4,6-dinitrotoluene	17.17	16.92	17.42
2,6-Dinitrotoluene	18.77	18.52	19.02
2,4-Dinitrotoluene	19.39	19.14	19.64
2-Nitrotoluene	22.73	22.48	22.98
4-Nitrotoluene	24.39	24.14	24.64
3-Nitrotoluene	26.24	25.99	26.49
PETN	28.57	28.32	28.82
3,4-Dinitrotoluene	16.67	16.42	16.92

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000058.D		
Lims ID:	CCV 05	Client ID:	
Inject. Date:	29-Dec-2012 23:13:04	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	320-0001996-067		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	4
Lims Batch ID:	8012	Lims Sample ID:	67
Sublist:	chrom-8330_LC10*sub1		
Method:	\\SACChrom\ChromData\LC10\20121228-1996.b\8330_LC10.m		
Last Update:	31-Dec-2012 12:38:51	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 31-Dec-2012 12:38:51

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.206	5.206	0.0	12801	101.8	
19 RDX						
1	7.489	7.489	0.0	9092	102.2	
3 Ethylene glycol dinitrate						
2	8.183	8.183	0.0	11255	116.2	
10 2,4,6-Trinitrophenol						
2	8.586	8.586	0.0	25540	207.4	
1	8.589	8.589	0.0	17693	214.0	
27 1,3,5-Trinitrobenzene						
1	9.823	9.823	0.0	16628	102.2	
24 1,3-Dinitrobenzene						
1	12.429	12.429	0.0	16661	103.1	
9 3,5-Dinitroaniline						
1	13.169	13.169	0.0	10706	103.0	
20 Tetryl						
1	13.583	13.583	0.0	9723	112.3	
5 Nitrobenzene						
1	14.169	14.169	0.0	7604	103.1	
7 Nitroglycerin						
2	14.783	14.783	0.0	6477	99.8	
25 2,4,6-Trinitrotoluene						
1	15.679	15.679	0.0	10128	109.2	
26 4-Amino-2,6-dinitrotoluene						
1	16.199	16.199	0.0	7670	101.3	
$ 30 3,4-Dinitrotoluene						
1	16.666	16.666	0.0	5647	100.3	
2	16.686	16.686	0.0	10126	98.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.166	17.166	0.0	8584	102.7	
12 2,6-Dinitrotoluene						
1	18.766	18.766	0.0	6051	101.6	
23 2,4-Dinitrotoluene						
1	19.393	19.393	0.0	9946	103.6	
16 o-Nitrotoluene						
1	22.726	22.726	0.0	4355	97.7	
15 p-Nitrotoluene						
1	24.393	24.393	0.0	5421	101.5	
8 m-Nitrotoluene						
1	26.239	26.239	0.0	5427	100.6	
21 PETN						M
2	28.569	28.569	0.0	3860	105.1	M

QC Flag Legend

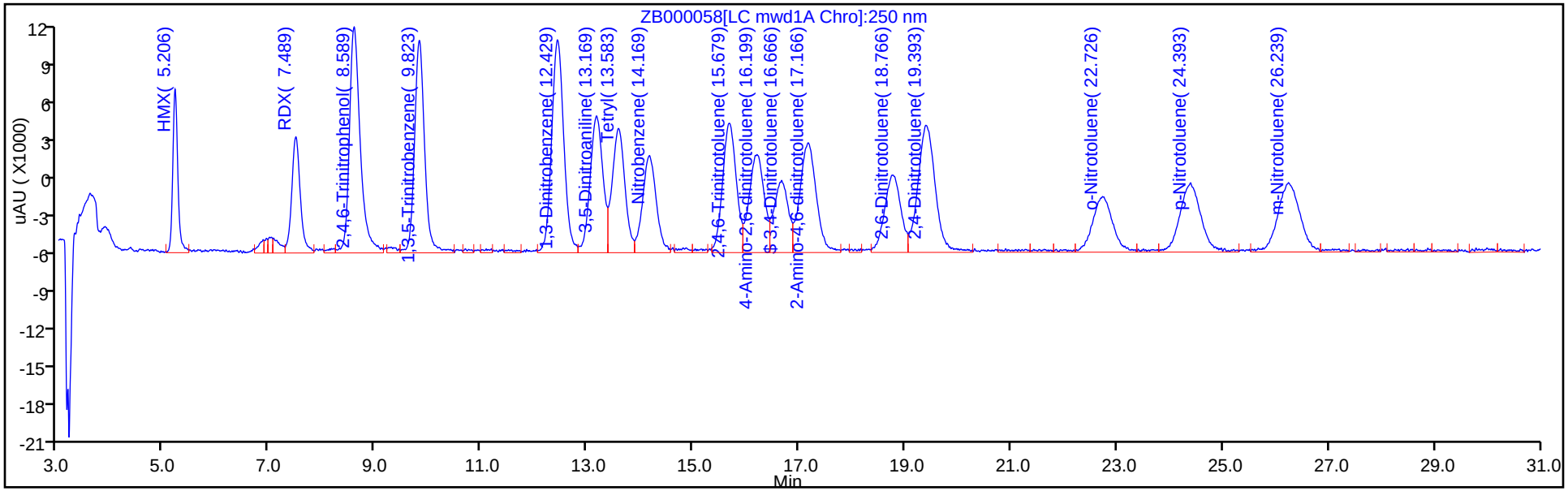
Review Flags
M - Manually Integrated

Report Date: 31-Dec-2012 12:38:52 Chrom Revision: 2.1 24-Dec-2012 15:14:58

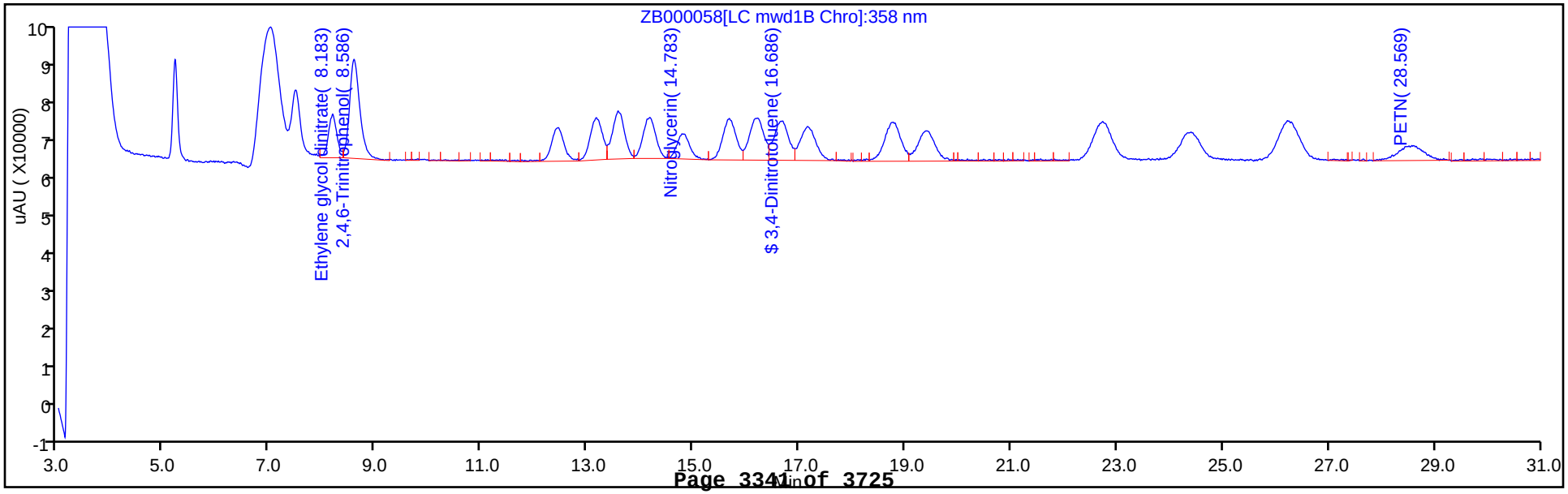
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000058.D		
Injection Date:	29-Dec-2012 23:13:04	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	67
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

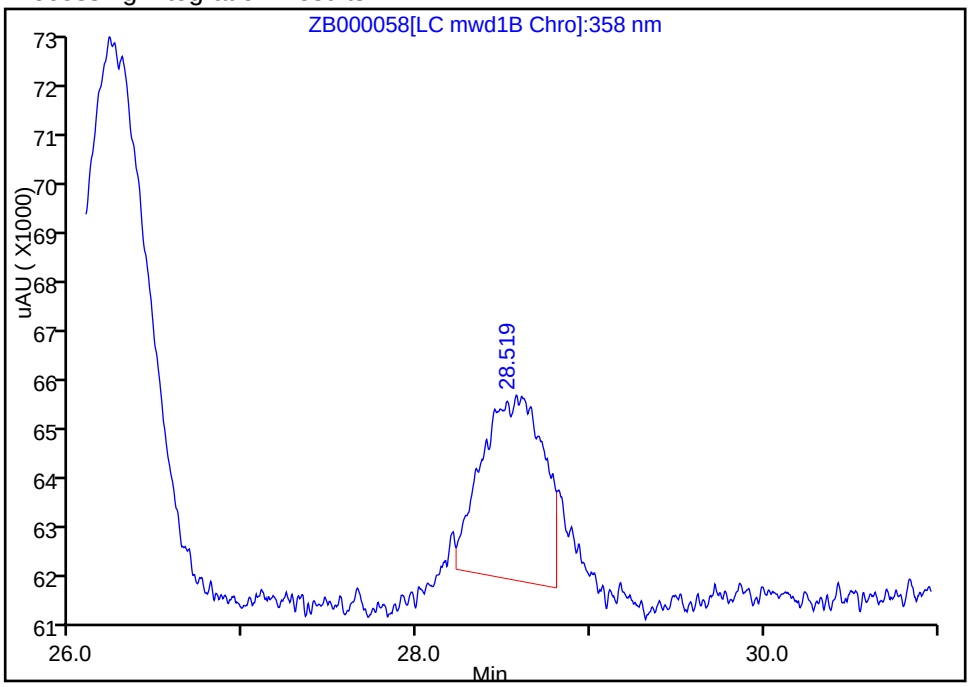
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000058.D		
Injection Date:	29-Dec-2012 23:13:04	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	67
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.57, Det: LC mwd1B

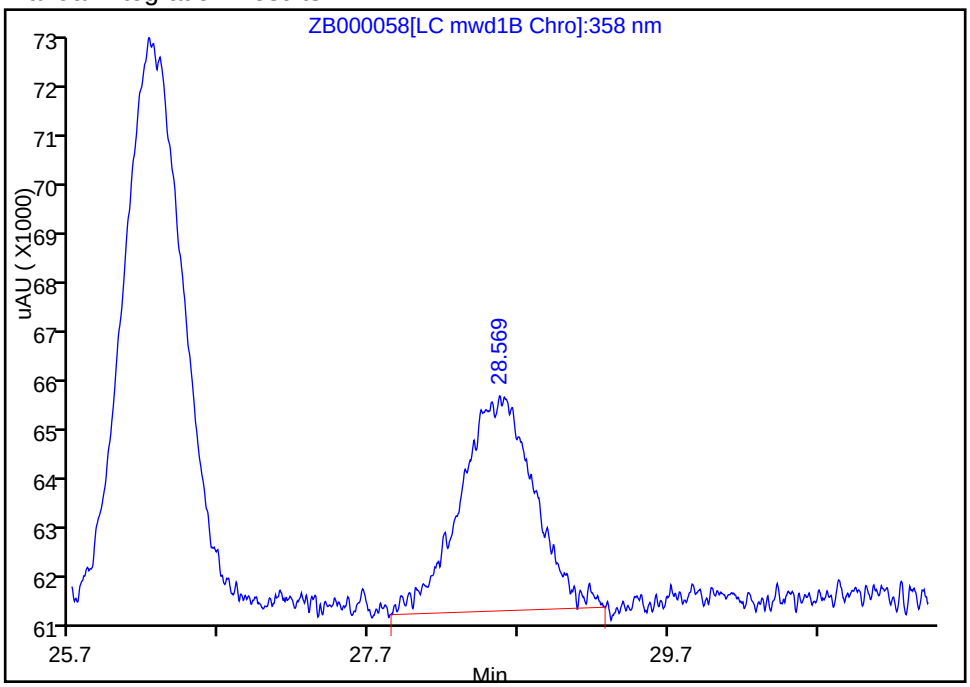
Processing Integration Results

RT: 28.52
Response: 3187
Amount: 86.780910



Manual Integration Results

RT: 28.57
Response: 3860
Amount: 105.1065



Reviewer: noonanr, 31-Dec-2012 12:38:51
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCVL 320-8012/30 Calibration Date: 12/29/2012 23:53

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZB000059.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	158.4		6.30	5.00	25.9	30.0
RDX	Ave	88.99	121.2		6.81	5.00	36.2*	30.0
1,3,5-Trinitrobenzene	Ave	162.7	181.6		5.58	5.00	11.6	30.0
1,3-Dinitrobenzene	Ave	161.7	185.6		5.74	5.00	14.8	30.0
3,5-Dinitroaniline	Ave	103.9	130.0		6.26	5.00	25.1	30.0
Tetryl	Ave	86.55	95.00		5.49	5.00	9.8	30.0
Nitrobenzene	Ave	73.74	103.4		7.01	5.00	40.2*	30.0
Nitroglycerin	Ave	64.89	76.75		23.7	20.0	18.3	30.0
2,4,6-Trinitrotoluene	Ave	92.79	114.4		6.16	5.00	23.3	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	109.0		7.20	5.00	43.9*	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	120.2		7.19	5.00	43.8*	30.0
2,6-Dinitrotoluene	Ave	59.58	94.40		7.92	5.00	58.4*	30.0
2,4-Dinitrotoluene	Ave	95.97	134.2		6.99	5.00	39.8*	30.0
2-Nitrotoluene	Ave	44.56	72.20		8.10	5.00	62.0*	30.0
4-Nitrotoluene	Ave	53.43	72.60		6.79	5.00	35.9*	30.0
3-Nitrotoluene	Ave	53.94	74.00		6.86	5.00	37.2*	30.0
PETN	Ave	36.72	53.00		28.9	20.0	44.3*	30.0
3,4-Dinitrotoluene	Ave	56.32	56.95		20.2	20.0	1.1	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCVL 320-8012/30 Calibration Date: 12/29/2012 23:53

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZB000059.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.49	7.24	7.74
1,3,5-Trinitrobenzene	9.80	9.55	10.05
1,3-Dinitrobenzene	12.38	12.13	12.63
3,5-Dinitroaniline	13.14	12.89	13.39
Tetryl	13.47	13.22	13.72
Nitrobenzene	14.13	13.88	14.38
Nitroglycerin	14.79	14.54	15.04
2,4,6-Trinitrotoluene	15.66	15.41	15.91
4-Amino-2,6-dinitrotoluene	16.15	15.90	16.40
2-Amino-4,6-dinitrotoluene	17.08	16.83	17.33
2,6-Dinitrotoluene	18.70	18.45	18.95
2,4-Dinitrotoluene	19.36	19.11	19.61
2-Nitrotoluene	22.70	22.45	22.95
4-Nitrotoluene	24.27	24.02	24.52
3-Nitrotoluene	26.19	25.94	26.44
PETN	28.48	28.23	28.73
3,4-Dinitrotoluene	16.64	16.39	16.89

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121228-1996.b\ZB000059.D
Lims ID: CCVL Client ID:
Inject. Date: 29-Dec-2012 23:53:14 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0001996-030
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 10
Lims Batch ID: 8012 Lims Sample ID: 30
Sublist: chrom-8330_LC10*sub2

Method: \\SACChrom\ChromData\LC10\20121228-1996.b\8330_LC10.m
Last Update: 31-Dec-2012 12:46:19 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK005

First Level Reviewer: noonanr Date: 31-Dec-2012 12:46:19

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.216	5.216	0.0	792	6.30	
19 RDX						
1	7.486	7.486	0.0	606	6.81	
27 1,3,5-Trinitrobenzene						
1	9.796	9.796	0.0	908	5.58	
24 1,3-Dinitrobenzene						
1	12.379	12.379	0.0	928	5.74	
9 3,5-Dinitroaniline						
1	13.142	13.142	0.0	650	6.26	
20 Tetryl						
1	13.472	13.472	0.0	475	5.49	
5 Nitrobenzene						
1	14.126	14.126	0.0	517	7.01	
7 Nitroglycerin						M
2	14.786	14.786	0.0	1535	23.7	M
25 2,4,6-Trinitrotoluene						
1	15.656	15.656	0.0	572	6.16	
26 4-Amino-2,6-dinitrotoluene						M
1	16.146	16.146	0.0	545	7.20	M
$ 30 3,4-Dinitrotoluene						M
1	16.639	16.639	0.0	1139	20.2	
2	16.642	16.642	0.0	2060	19.9	M
6 2-Amino-4,6-dinitrotoluene						
1	17.082	17.082	0.0	601	7.19	
12 2,6-Dinitrotoluene						
1	18.696	18.696	0.0	472	7.92	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.356	19.356	0.0	671	6.99	
16 o-Nitrotoluene						
1	22.702	22.702	0.0	361	8.10	
15 p-Nitrotoluene						
1	24.272	24.272	0.0	363	6.79	
8 m-Nitrotoluene						
1	26.189	26.189	0.0	370	6.86	
21 PETN						M
2	28.482	28.482	0.0	1060	28.9	M

QC Flag Legend

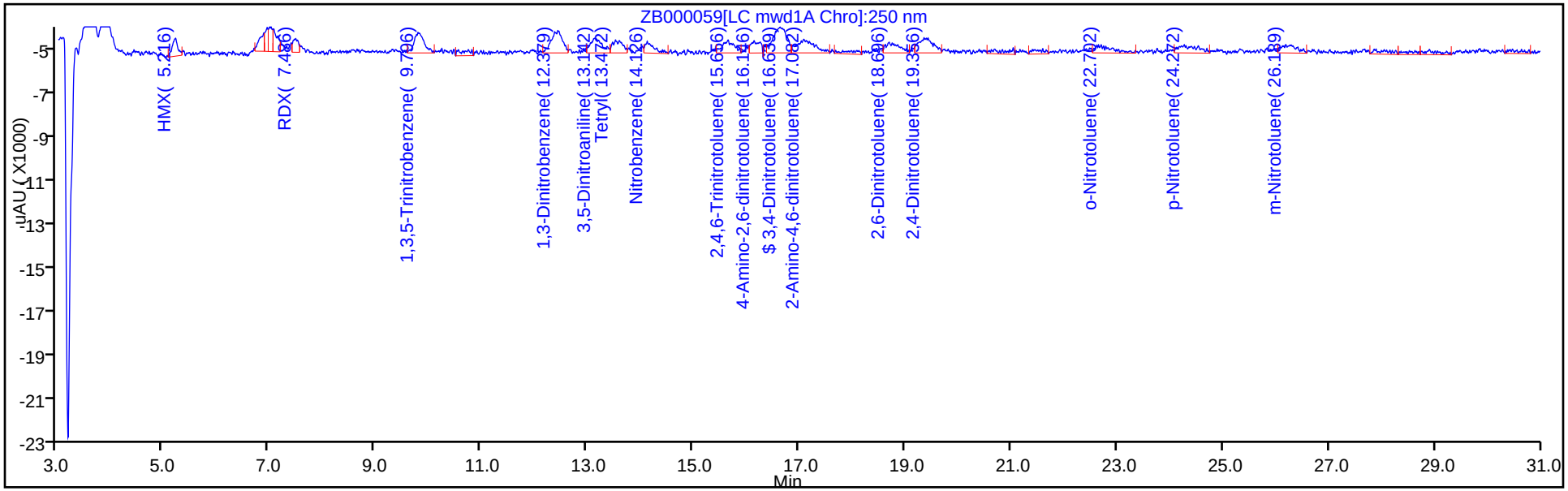
Review Flags
M - Manually Integrated

Report Date: 31-Dec-2012 12:46:19 Chrom Revision: 2.1 24-Dec-2012 15:14:58

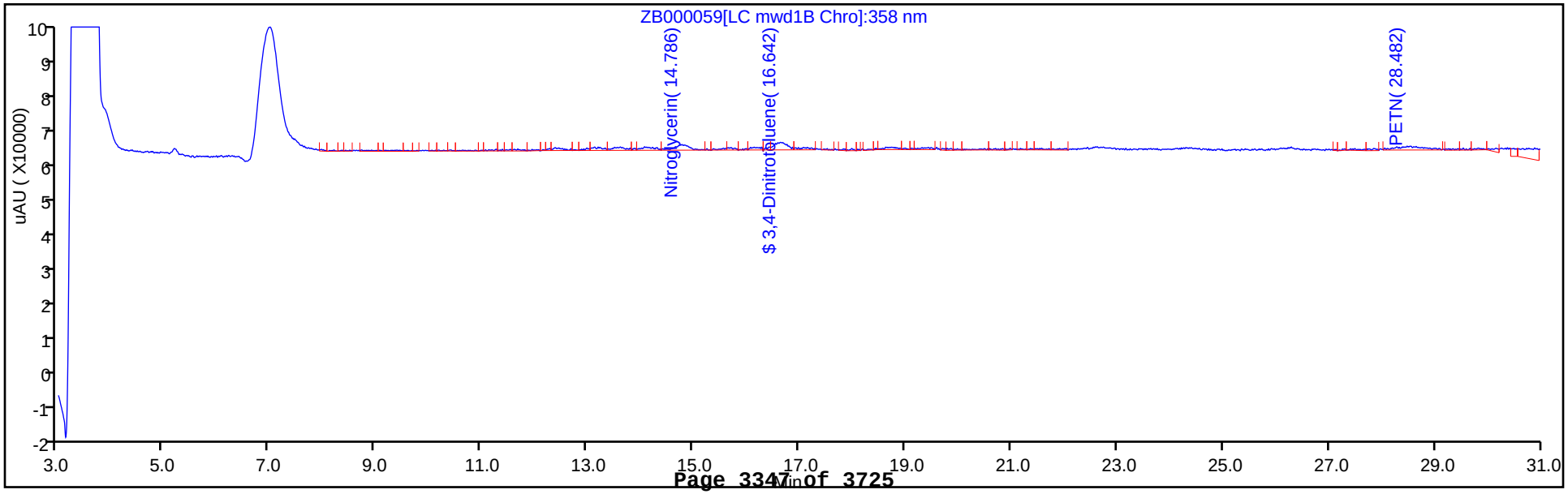
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000059.D		
Injection Date:	29-Dec-2012 23:53:14	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	30
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

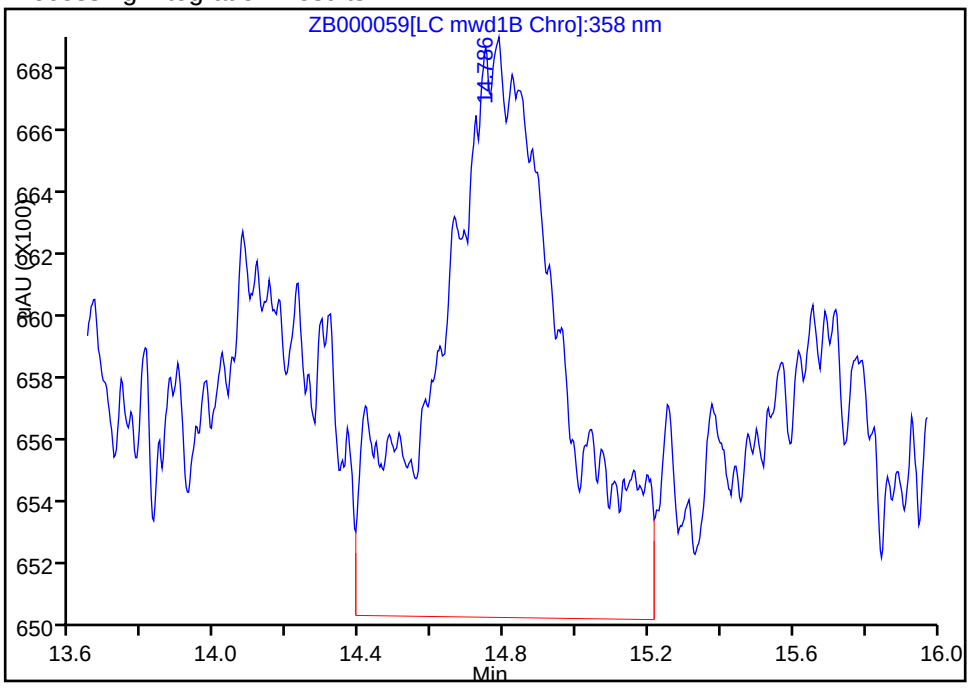
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000059.D		
Injection Date:	29-Dec-2012 23:53:14	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	30
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

7 Nitroglycerin, Signal: 1, Type: quant, RT: 14.79, Det: LC mwd1B

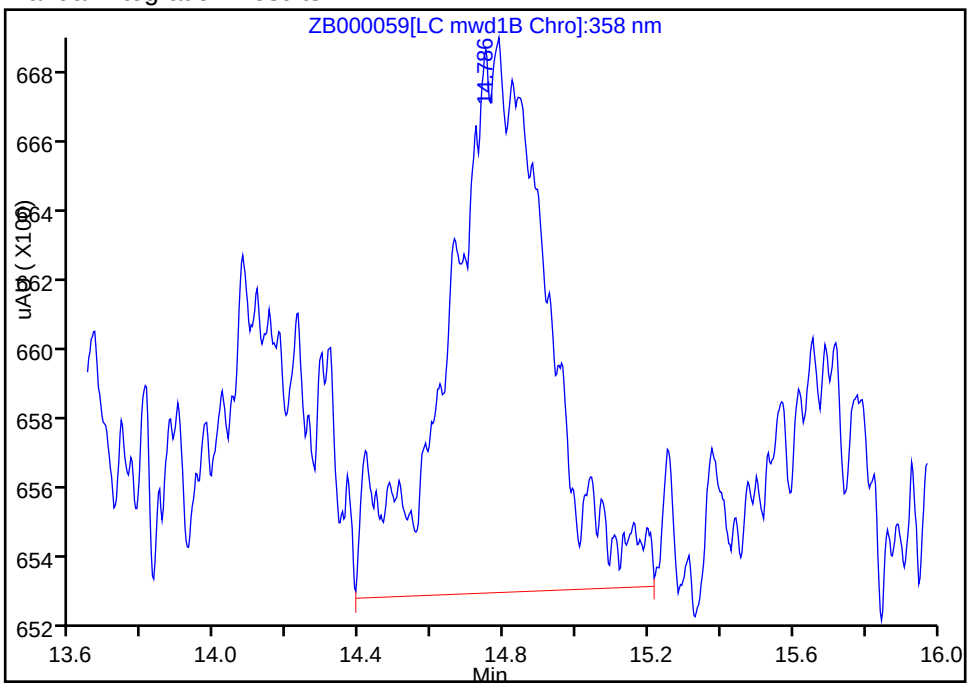
Processing Integration Results

RT: 14.79
Response: 1797
Amount: 27.695011



Manual Integration Results

RT: 14.79
Response: 1535
Amount: 23.657118



Reviewer: noonanr, 31-Dec-2012 12:43:57
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

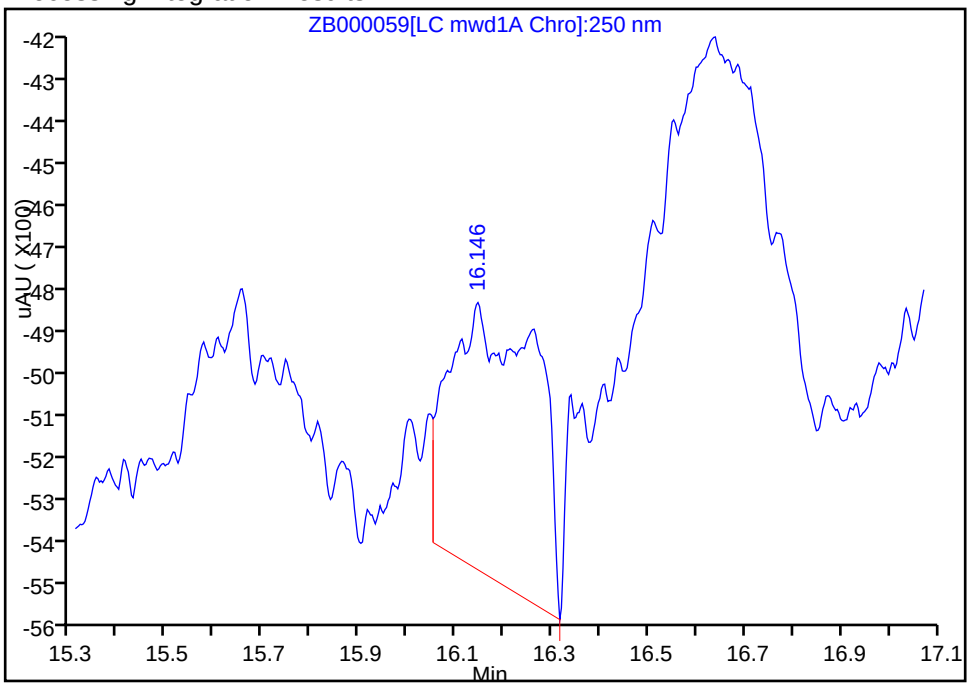
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000059.D		
Injection Date:	29-Dec-2012 23:53:14	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	30
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

26 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 16.15, Det: LC mwd1A

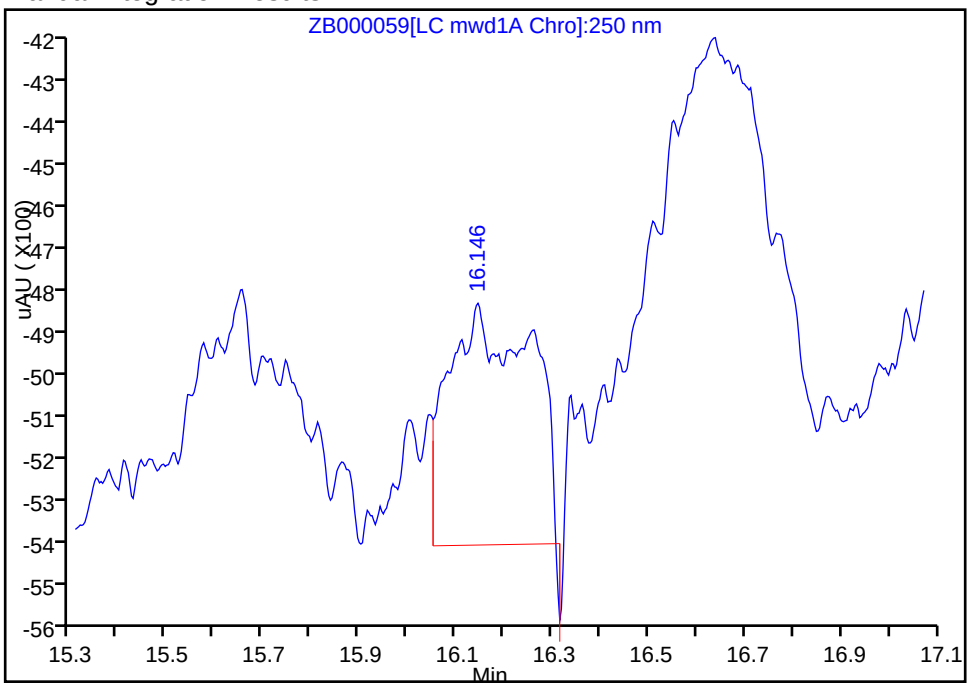
Processing Integration Results

RT: 16.15
Response: 602
Amount: 7.949215



Manual Integration Results

RT: 16.15
Response: 545
Amount: 7.196548



Reviewer: noonanr, 31-Dec-2012 12:46:19
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

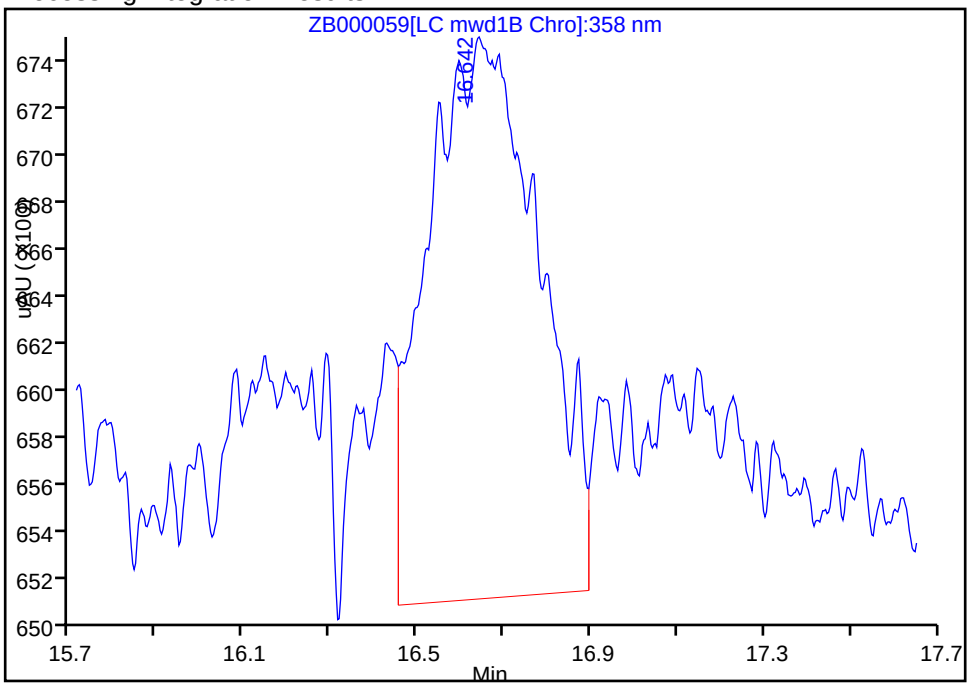
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000059.D		
Injection Date:	29-Dec-2012 23:53:14	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	30
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

$ 30 3,4-Dinitrotoluene, Signal: 2, Type: quant, RT: 16.64, Det: LC mwd1B

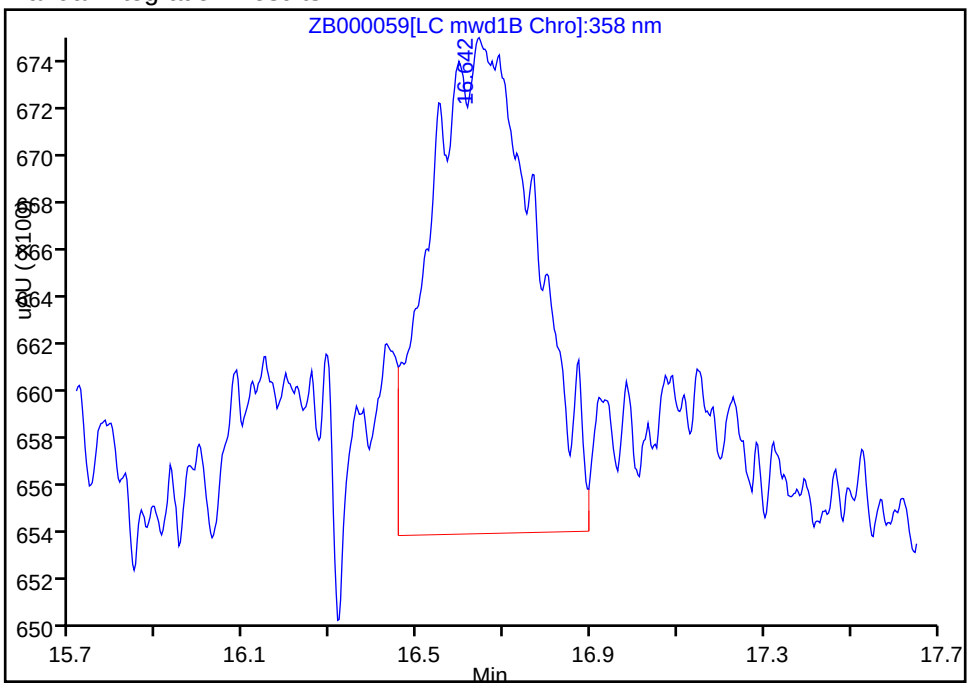
Processing Integration Results

RT: 16.64
Response: 2334
Amount: 22.590066



Manual Integration Results

RT: 16.64
Response: 2060
Amount: 19.938105



Reviewer: noonanr, 31-Dec-2012 12:43:57
Audit Action: Assigned New Baseline
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

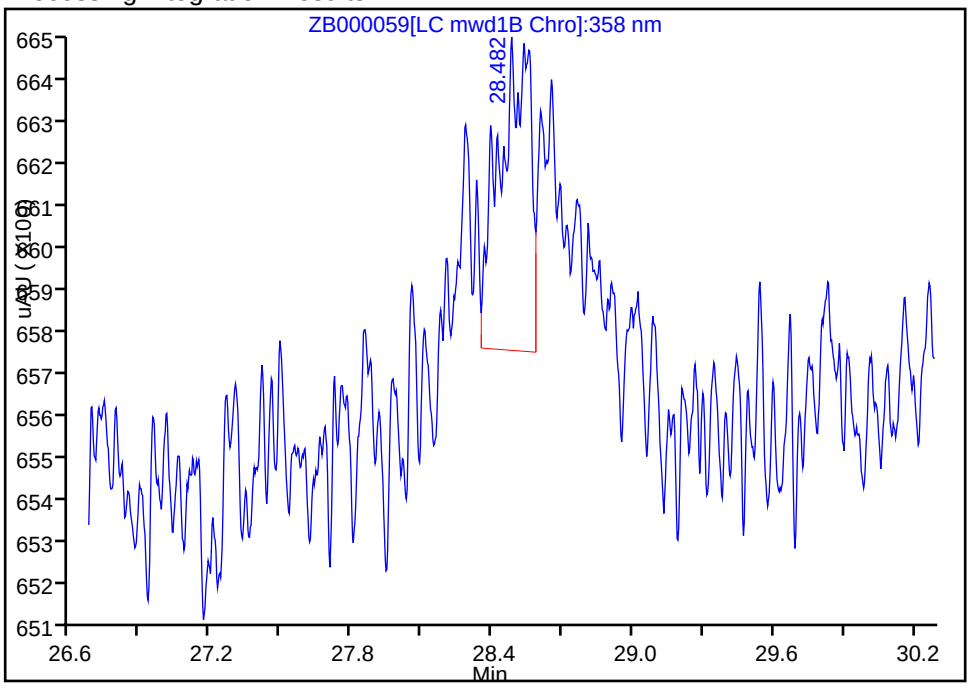
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000059.D		
Injection Date:	29-Dec-2012 23:53:14	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	30
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.48, Det: LC mwd1B

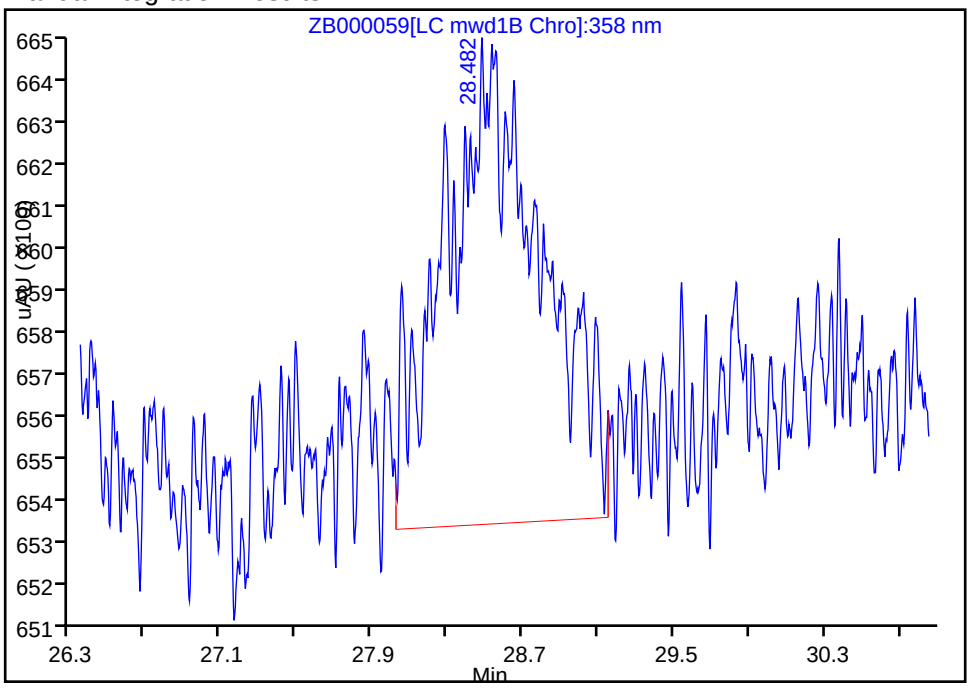
Processing Integration Results

RT: 28.48
Response: 683
Amount: 18.597854



Manual Integration Results

RT: 28.48
Response: 1060
Amount: 28.863434



Reviewer: noonanr, 31-Dec-2012 12:46:19
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 320-8012/38 Calibration Date: 12/30/2012 05:15

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZB000067.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	129.7		103	100	3.1	20.0
RDX	Ave	88.99	88.74		99.7	100	-0.3	20.0
Ethylene glycol dinitrate	Ave	96.86	108.5		112	100	12.0	20.0
1,3,5-Trinitrobenzene	Ave	162.7	164.9		101	100	1.4	20.0
1,3-Dinitrobenzene	Ave	161.7	166.9		103	100	3.2	20.0
3,5-Dinitroaniline	Ave	103.9	106.5		103	100	2.5	20.0
Tetryl	Ave	86.55	97.30		112	100	12.4	20.0
Nitrobenzene	Ave	73.74	73.71		100	100	-0.0	20.0
Nitroglycerin	Ave	64.89	66.05		102	100	1.8	20.0
2,4,6-Trinitrotoluene	Ave	92.79	100.1		108	100	7.8	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	76.80		101	100	1.4	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	85.55		102	100	2.3	20.0
2,6-Dinitrotoluene	Ave	59.58	60.01		101	100	0.7	20.0
2,4-Dinitrotoluene	Ave	95.97	98.93		103	100	3.1	20.0
2-Nitrotoluene	Ave	44.56	41.55		93.3	100	-6.7	20.0
4-Nitrotoluene	Ave	53.43	51.55		96.5	100	-3.5	20.0
3-Nitrotoluene	Ave	53.94	51.60		95.7	100	-4.3	20.0
PETN	Ave	36.72	40.83		111	100	11.2	20.0
3,4-Dinitrotoluene	Ave	56.32	55.40		98.4	100	-1.6	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 320-8012/38 Calibration Date: 12/30/2012 05:15

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZB000067.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.50	7.25	7.75
Ethylene glycol dinitrate	8.20	7.95	8.45
1,3,5-Trinitrobenzene	9.83	9.58	10.08
1,3-Dinitrobenzene	12.45	12.20	12.70
3,5-Dinitroaniline	13.19	12.94	13.44
Tetryl	13.60	13.35	13.85
Nitrobenzene	14.17	13.92	14.42
Nitroglycerin	14.81	14.56	15.06
2,4,6-Trinitrotoluene	15.68	15.43	15.93
4-Amino-2,6-dinitrotoluene	16.20	15.95	16.45
2-Amino-4,6-dinitrotoluene	17.18	16.93	17.43
2,6-Dinitrotoluene	18.80	18.55	19.05
2,4-Dinitrotoluene	19.42	19.17	19.67
2-Nitrotoluene	22.74	22.49	22.99
4-Nitrotoluene	24.40	24.15	24.65
3-Nitrotoluene	26.28	26.03	26.53
PETN	28.56	28.31	28.81
3,4-Dinitrotoluene	16.69	16.44	16.94

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000067.D		
Lims ID:	CCV 05	Client ID:	
Inject. Date:	30-Dec-2012 05:15:23	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	320-0001996-038		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	4
Lims Batch ID:	8012	Lims Sample ID:	38
Sublist:	chrom-8330_LC10*sub1		
Method:	\\SACChrom\ChromData\LC10\20121228-1996.b\8330_LC10.m		
Last Update:	31-Dec-2012 12:52:37	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 31-Dec-2012 12:52:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.214	5.214	0.0	12971	103.1	
19 RDX						
1	7.501	7.501	0.0	8874	99.7	
3 Ethylene glycol dinitrate						
2	8.197	8.197	0.0	10848	112.0	
10 2,4,6-Trinitrophenol						
2	8.597	8.597	0.0	26071	211.7	
1	8.601	8.601	0.0	17671	213.8	
27 1,3,5-Trinitrobenzene						
1	9.831	9.831	0.0	16491	101.4	
24 1,3-Dinitrobenzene						
1	12.448	12.448	0.0	16689	103.2	
9 3,5-Dinitroaniline						
1	13.191	13.191	0.0	10654	102.5	
20 Tetryl						
1	13.598	13.598	0.0	9730	112.4	
5 Nitrobenzene						
1	14.174	14.174	0.0	7371	100.0	
7 Nitroglycerin						
2	14.811	14.811	0.0	6605	101.8	
25 2,4,6-Trinitrotoluene						
1	15.684	15.684	0.0	10007	107.8	
26 4-Amino-2,6-dinitrotoluene						
1	16.204	16.204	0.0	7680	101.4	
$ 30 3,4-Dinitrotoluene						
1	16.691	16.691	0.0	5540	98.4	
2	16.664	16.664	0.0	10399	100.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.181	17.181	0.0	8555	102.3	
12 2,6-Dinitrotoluene						
1	18.798	18.798	0.0	6001	100.7	
23 2,4-Dinitrotoluene						
1	19.421	19.421	0.0	9893	103.1	
16 o-Nitrotoluene						
1	22.741	22.741	0.0	4155	93.3	
15 p-Nitrotoluene						
1	24.404	24.404	0.0	5155	96.5	
8 m-Nitrotoluene						M
1	26.284	26.284	0.0	5160	95.7	M
21 PETN						
2	28.564	28.564	0.0	4083	111.2	

QC Flag Legend

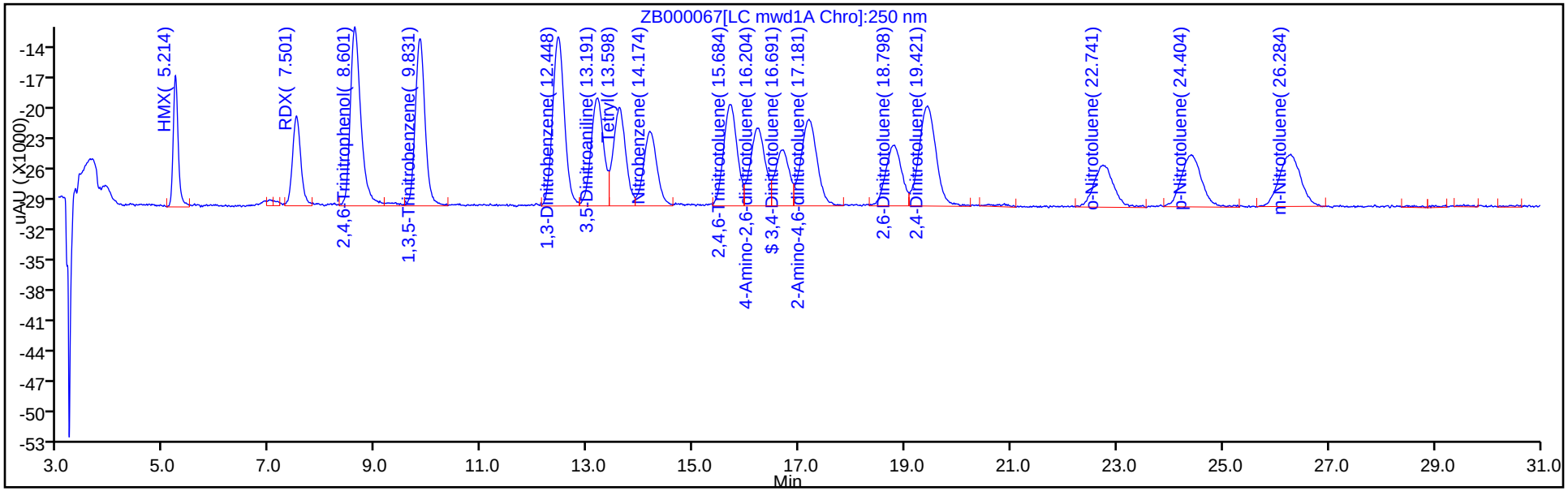
Review Flags
M - Manually Integrated

Report Date: 31-Dec-2012 12:52:37 Chrom Revision: 2.1 24-Dec-2012 15:14:58

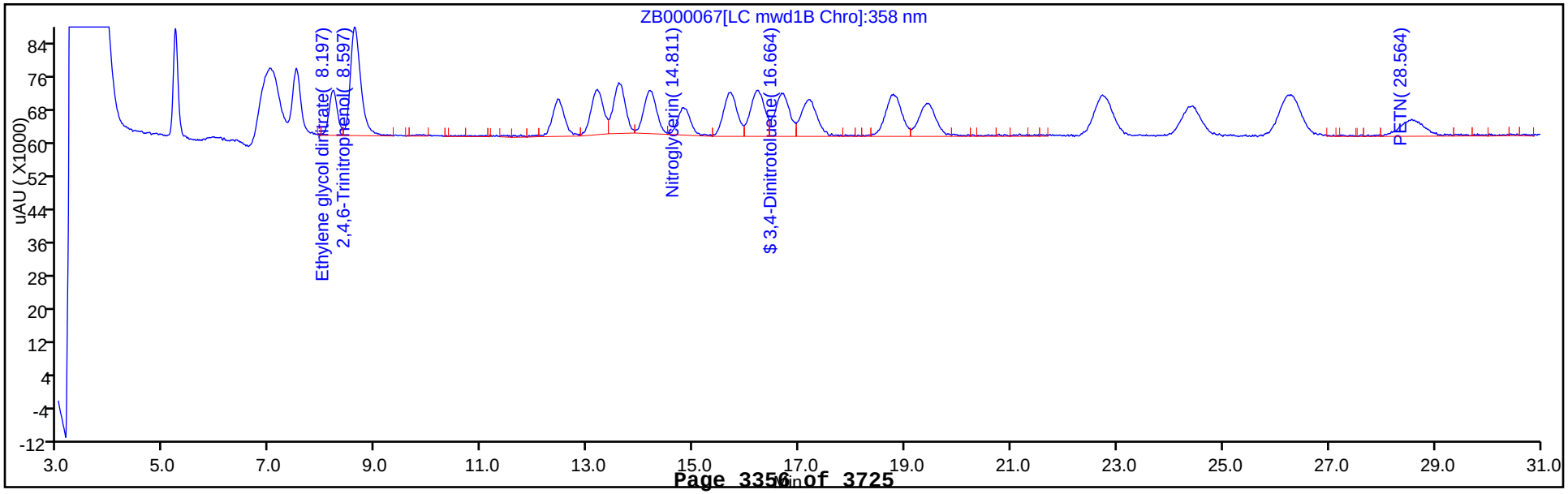
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000067.D		
Injection Date:	30-Dec-2012 05:15:23	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	38
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

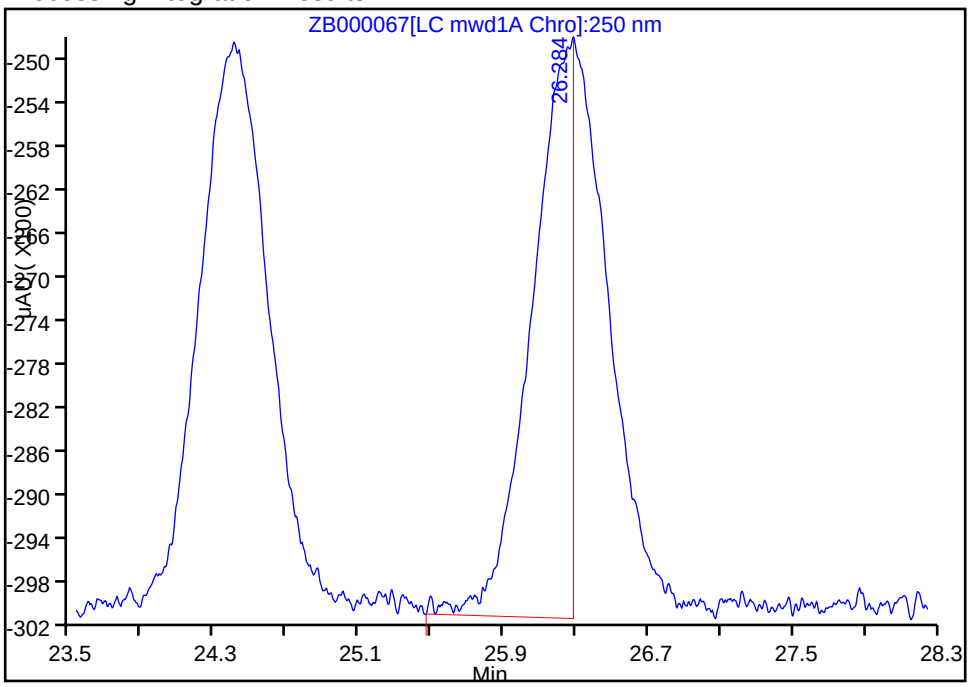
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000067.D		
Injection Date:	30-Dec-2012 05:15:23	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	38
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 26.28, Det: LC mwd1A

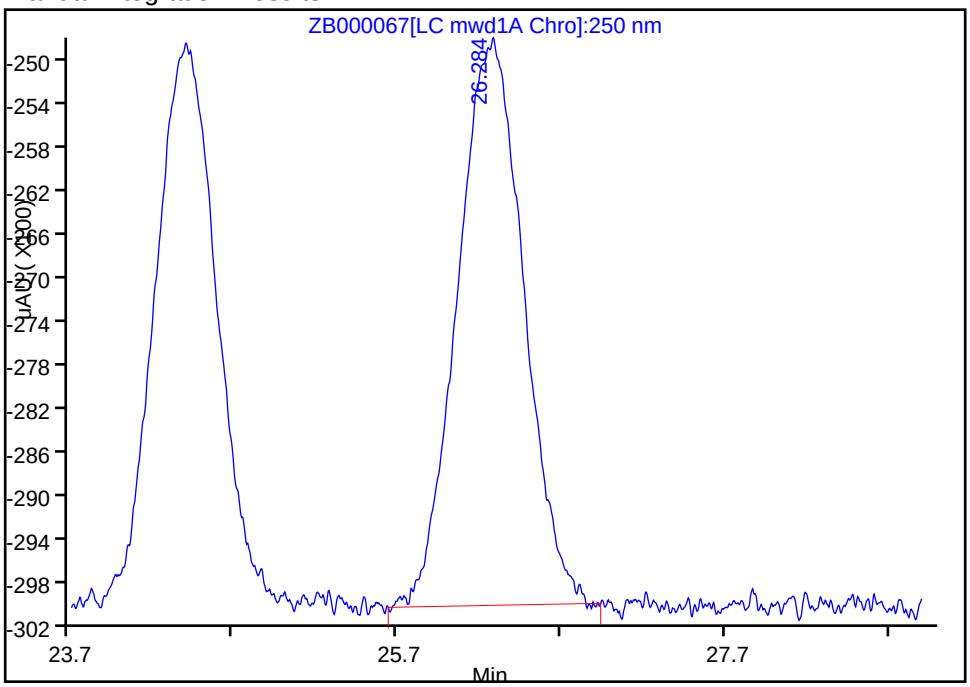
Processing Integration Results

RT: 26.28
Response: 5287
Amount: 98.024492



Manual Integration Results

RT: 26.28
Response: 5160
Amount: 95.669828



Reviewer: noonanr, 31-Dec-2012 12:52:37
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCVL 320-8012/39 Calibration Date: 12/30/2012 05:55

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZB000068.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	173.4		6.89	5.00	37.8*	30.0
RDX	Ave	88.99	114.6		6.44	5.00	28.8	30.0
1,3,5-Trinitrobenzene	Ave	162.7	204.6		6.29	5.00	25.8	30.0
1,3-Dinitrobenzene	Ave	161.7	198.0		6.12	5.00	22.5	30.0
3,5-Dinitroaniline	Ave	103.9	145.0		6.98	5.00	39.5*	30.0
Tetryl	Ave	86.55	122.6		7.08	5.00	41.7*	30.0
Nitrobenzene	Ave	73.74	92.40		6.27	5.00	25.3	30.0
Nitroglycerin	Ave	64.89	70.10		21.6	20.0	8.0	30.0
2,4,6-Trinitrotoluene	Ave	92.79	114.2		6.15	5.00	23.1	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	77.80		5.14	5.00	2.7	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	107.2		6.41	5.00	28.2	30.0
2,6-Dinitrotoluene	Ave	59.58	82.80		6.95	5.00	39.0*	30.0
2,4-Dinitrotoluene	Ave	95.97	128.6		6.70	5.00	34.0*	30.0
2-Nitrotoluene	Ave	44.56	65.80		7.38	5.00	47.7*	30.0
4-Nitrotoluene	Ave	53.43	73.80		6.91	5.00	38.1*	30.0
3-Nitrotoluene	Ave	53.94	66.20		6.14	5.00	22.7	30.0
PETN	Ave	36.72	51.55		28.1	20.0	40.4*	30.0
3,4-Dinitrotoluene	Ave	56.32	60.00		21.3	20.0	6.5	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCVL 320-8012/39 Calibration Date: 12/30/2012 05:55

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZB000068.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.50	7.25	7.75
1,3,5-Trinitrobenzene	9.82	9.57	10.07
1,3-Dinitrobenzene	12.46	12.21	12.71
3,5-Dinitroaniline	13.19	12.94	13.44
Tetryl	13.59	13.34	13.84
Nitrobenzene	14.18	13.93	14.43
Nitroglycerin	14.83	14.58	15.08
2,4,6-Trinitrotoluene	15.72	15.47	15.97
4-Amino-2,6-dinitrotoluene	16.17	15.92	16.42
2-Amino-4,6-dinitrotoluene	17.25	17.00	17.50
2,6-Dinitrotoluene	18.78	18.53	19.03
2,4-Dinitrotoluene	19.44	19.19	19.69
2-Nitrotoluene	22.71	22.46	22.96
4-Nitrotoluene	24.42	24.17	24.67
3-Nitrotoluene	26.28	26.03	26.53
PETN	28.67	28.42	28.92
3,4-Dinitrotoluene	16.71	16.46	16.96

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000068.D		
Lims ID:	CCVL	Client ID:	
Inject. Date:	30-Dec-2012 05:55:38	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0001996-039		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	10
Lims Batch ID:	8012	Lims Sample ID:	39
Sublist:	chrom-8330_LC10*sub2		
Method:	\\SACChrom\ChromData\LC10\20121228-1996.b\8330_LC10.m		
Last Update:	31-Dec-2012 12:56:09	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 31-Dec-2012 12:56:09

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.213	5.213	0.0	867	6.89	
19 RDX						M
1	7.500	7.500	0.0	573	6.44	M
27 1,3,5-Trinitrobenzene						
1	9.823	9.823	0.0	1023	6.29	
24 1,3-Dinitrobenzene						
1	12.457	12.457	0.0	990	6.12	
9 3,5-Dinitroaniline						
1	13.194	13.194	0.0	725	6.98	
20 Tetryl						
1	13.587	13.587	0.0	613	7.08	
5 Nitrobenzene						
1	14.177	14.177	0.0	462	6.27	
7 Nitroglycerin						
2	14.834	14.834	0.0	1402	21.6	
25 2,4,6-Trinitrotoluene						M
1	15.717	15.717	0.0	571	6.15	M
26 4-Amino-2,6-dinitrotoluene						
1	16.167	16.167	0.0	389	5.14	
$ 30 3,4-Dinitrotoluene						
1	16.714	16.714	0.0	1200	21.3	
2	16.767	16.767	0.0	2084	20.2	
6 2-Amino-4,6-dinitrotoluene						M
1	17.250	17.250	0.0	536	6.41	M
12 2,6-Dinitrotoluene						M
1	18.777	18.777	0.0	414	6.95	M

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.437	19.437	0.0	643	6.70	
16 o-Nitrotoluene						
1	22.714	22.714	0.0	329	7.38	
15 p-Nitrotoluene						
1	24.417	24.417	0.0	369	6.91	
8 m-Nitrotoluene						
1	26.277	26.277	0.0	331	6.14	
21 PETN						M
2	28.667	28.667	0.0	1031	28.1	M

QC Flag Legend

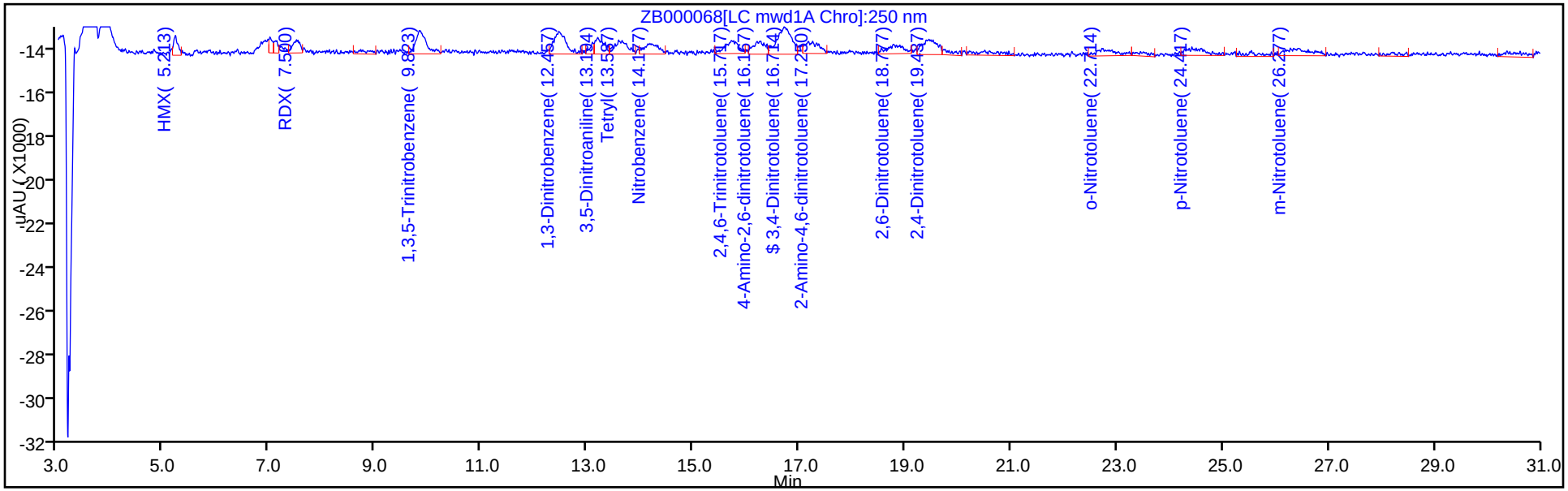
Review Flags
M - Manually Integrated

Report Date: 31-Dec-2012 12:56:09 Chrom Revision: 2.1 24-Dec-2012 15:14:58

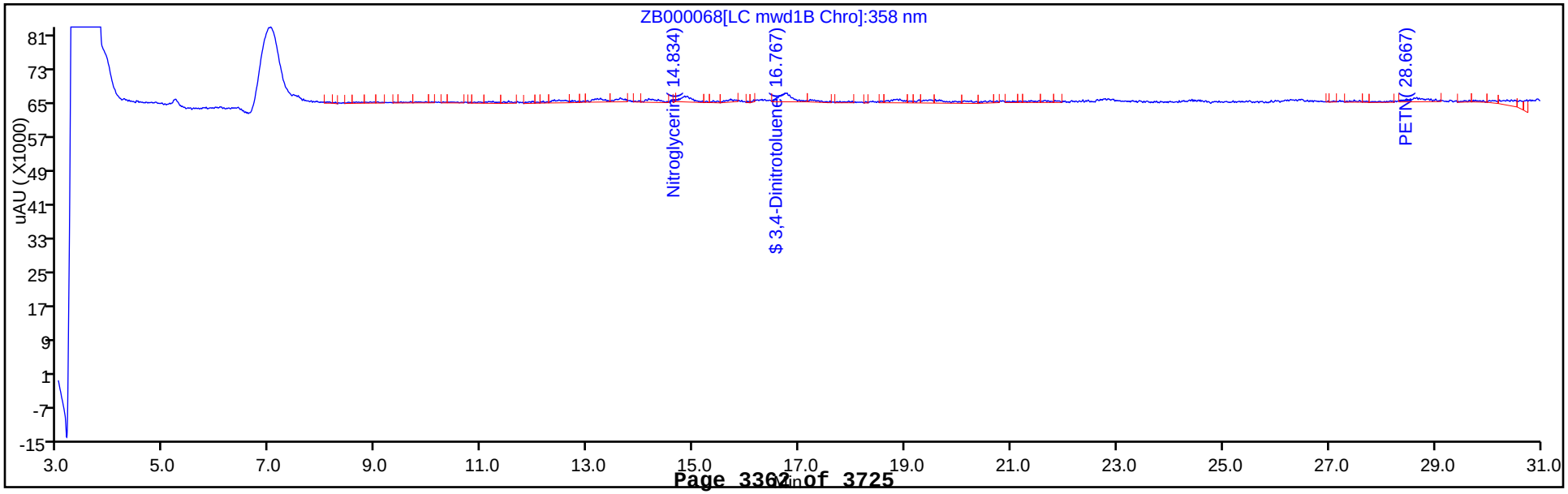
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000068.D		
Injection Date:	30-Dec-2012 05:55:38	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	39
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

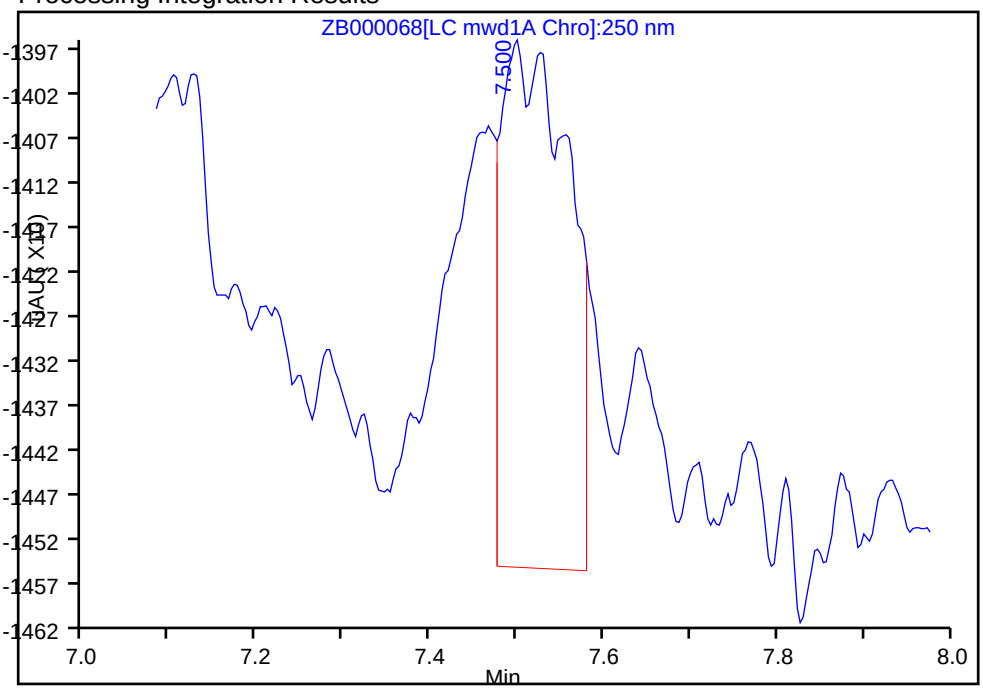
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000068.D		
Injection Date:	30-Dec-2012 05:55:38	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	39
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

19 RDX, Signal: 1, Type: quant, RT: 7.50, Det: LC mwd1A

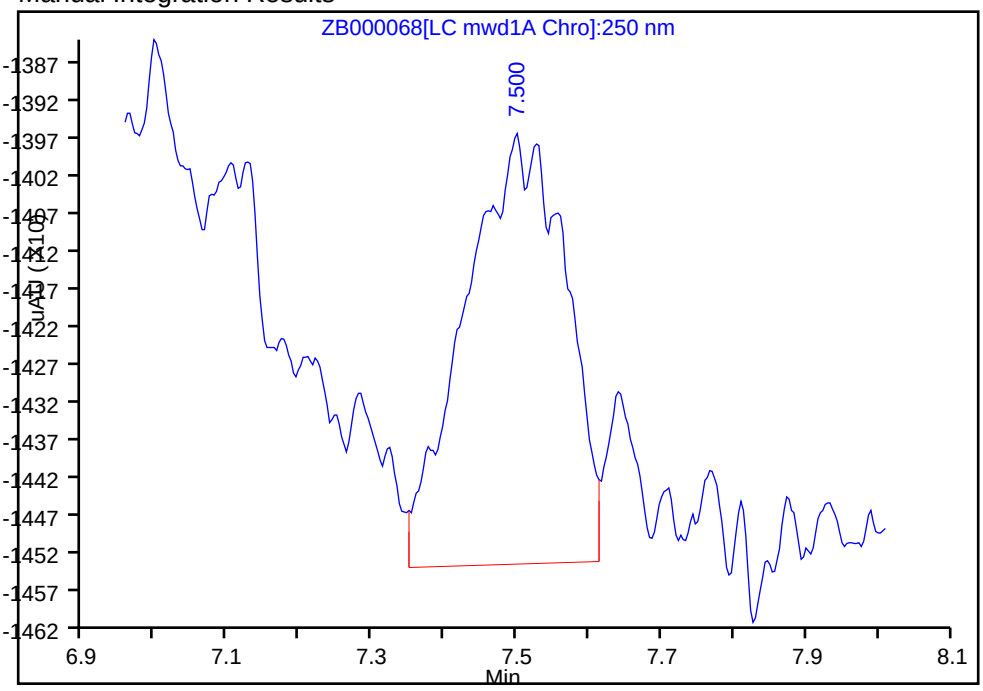
Processing Integration Results

RT: 7.50
Response: 589
Amount: 6.618982



Manual Integration Results

RT: 7.50
Response: 573
Amount: 6.439179



Reviewer: noonanr, 31-Dec-2012 12:56:09
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

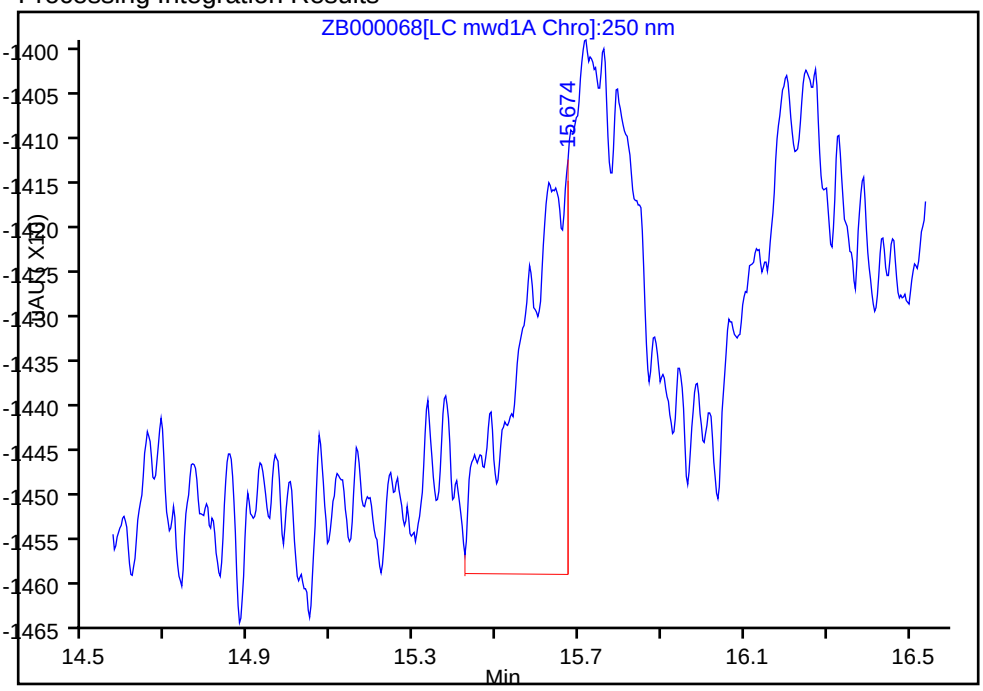
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000068.D		
Injection Date:	30-Dec-2012 05:55:38	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	39
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

25 2,4,6-Trinitrotoluene, Signal: 1, Type: quant, RT: 15.72, Det: LC mwd1A

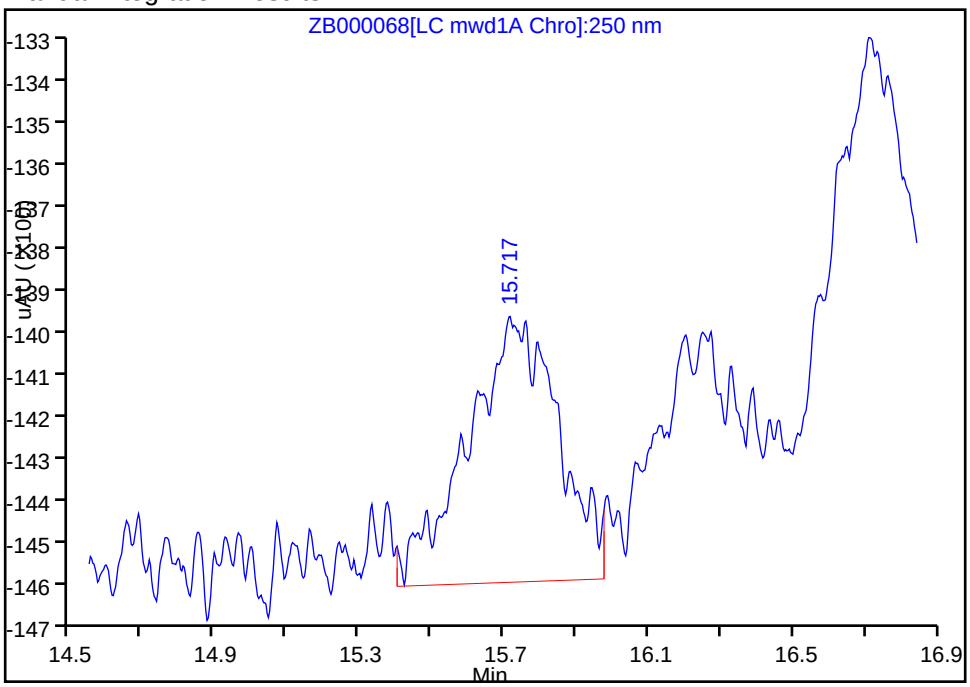
Processing Integration Results

RT: 15.67
Response: 465
Amount: 5.011377



Manual Integration Results

RT: 15.72
Response: 571
Amount: 6.153755



Reviewer: noonanr, 31-Dec-2012 12:56:09
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

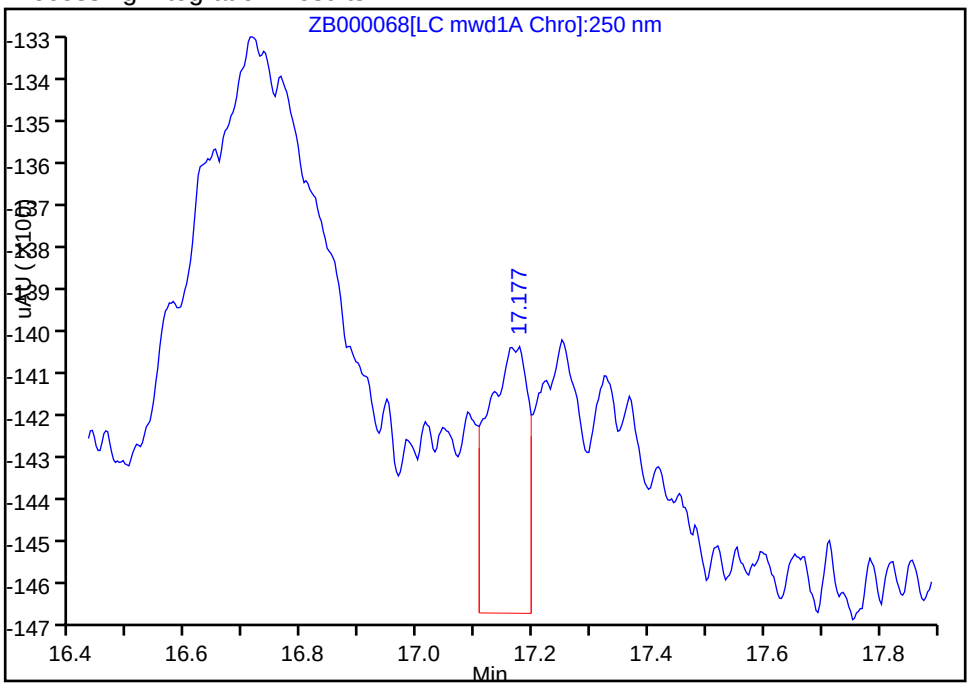
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000068.D		
Injection Date:	30-Dec-2012 05:55:38	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	39
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

6 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 17.25, Det: LC mwd1A

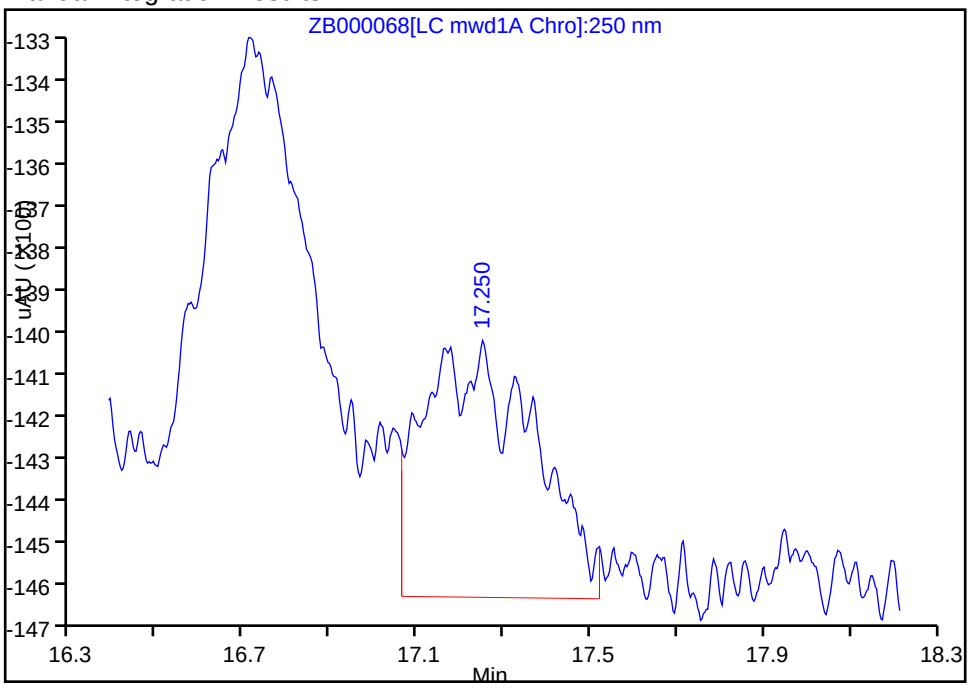
Processing Integration Results

RT: 17.18
Response: 556
Amount: 6.651414



Manual Integration Results

RT: 17.25
Response: 536
Amount: 6.412154



Reviewer: noonanr, 31-Dec-2012 12:56:09
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

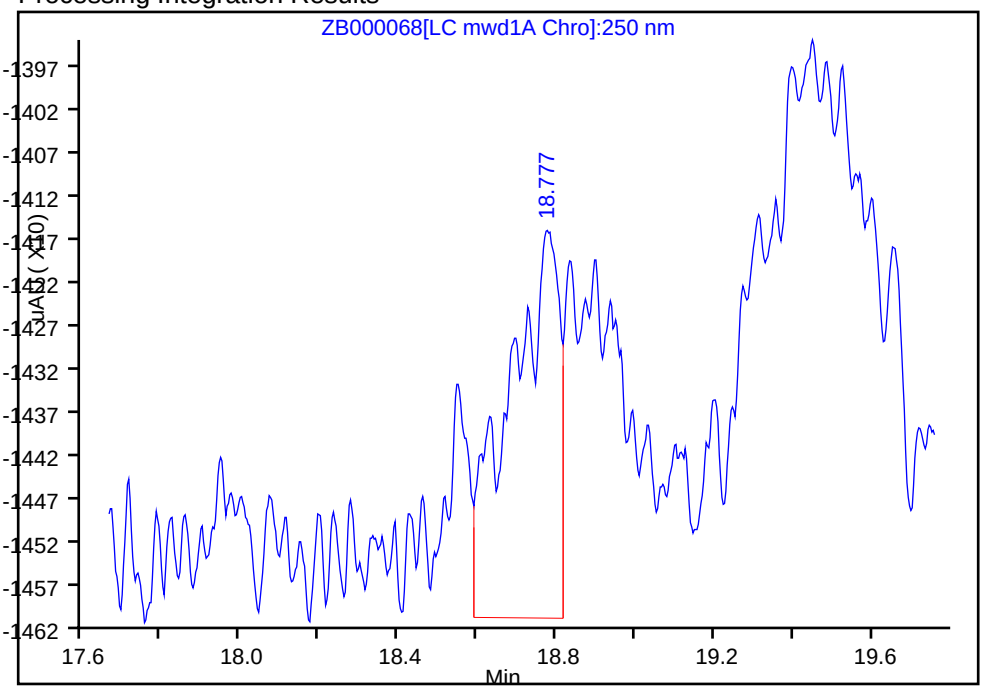
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000068.D		
Injection Date:	30-Dec-2012 05:55:38	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	39
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

12 2,6-Dinitrotoluene, Signal: 1, Type: quant, RT: 18.78, Det: LC mwd1A

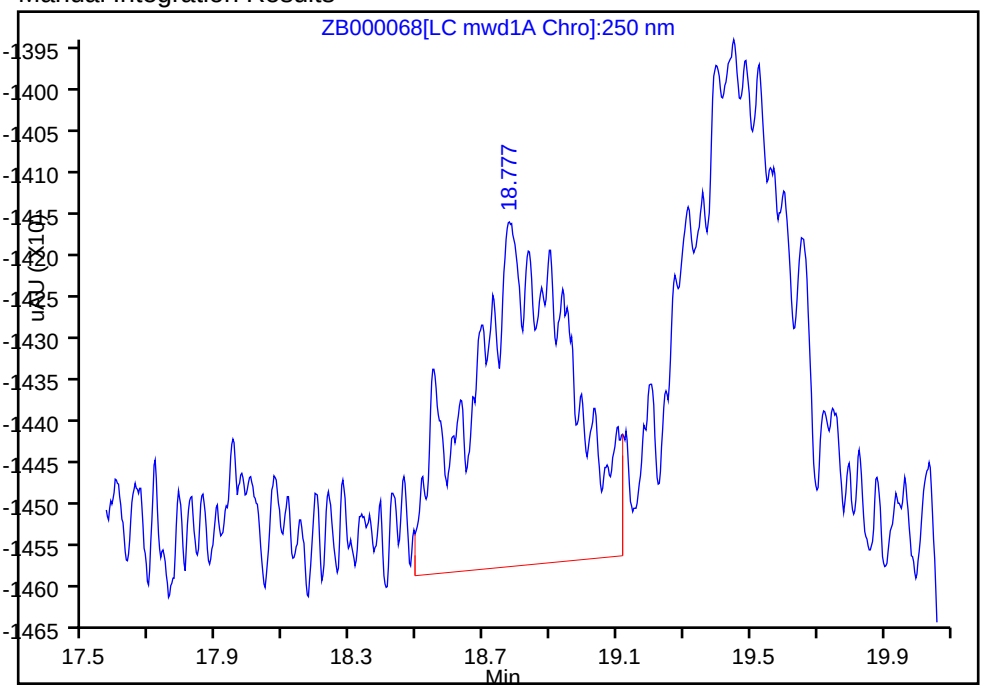
Processing Integration Results

RT: 18.78
Response: 445
Amount: 7.468730



Manual Integration Results

RT: 18.78
Response: 414
Amount: 6.948436



Reviewer: noonanr, 31-Dec-2012 12:56:09
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 31-Dec-2012 12:56:09 Chrom Revision: 2.1 24-Dec-2012 15:14:58

Manual Integration/User Assign Peak Report

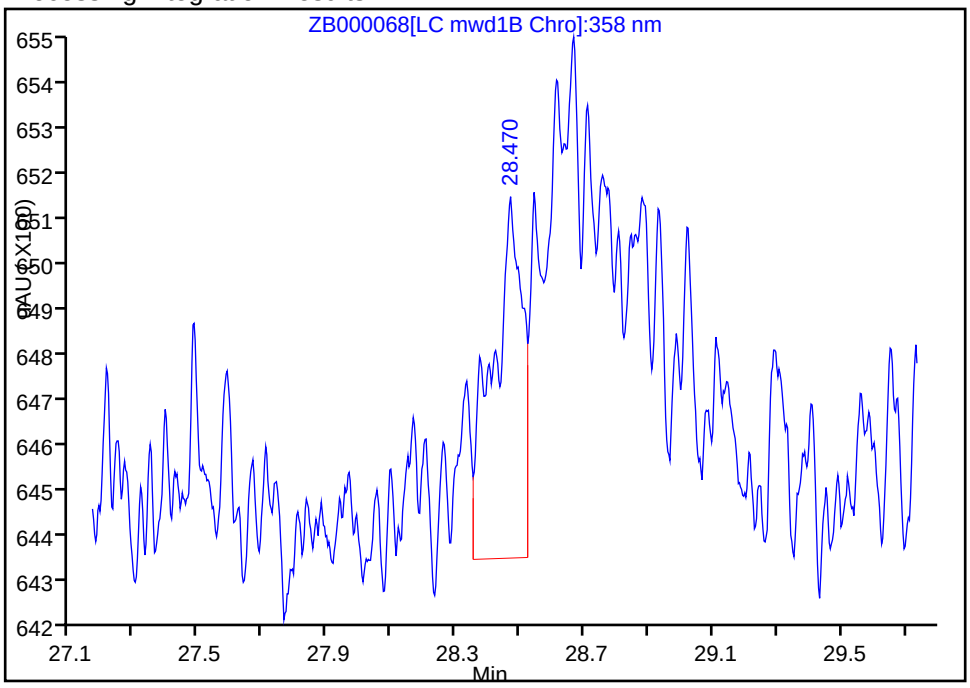
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000068.D		
Injection Date:	30-Dec-2012 05:55:38	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	39
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.67, Det: LC mwd1B

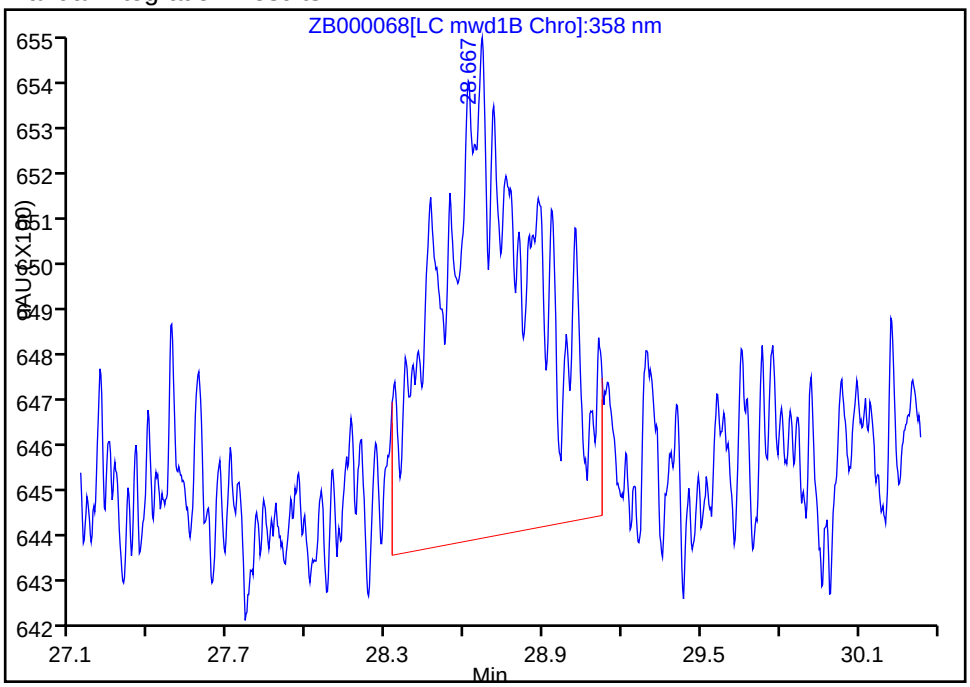
Processing Integration Results

RT: 28.47
Response: 745
Amount: 20.286093



Manual Integration Results

RT: 28.67
Response: 1031
Amount: 28.073774



Reviewer: noonanr, 31-Dec-2012 12:56:09
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 320-4221/12 Calibration Date: 10/01/2012 23:24

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 10/01/2012 20:08

Lab File ID: C-000014.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	45.60	46.99		515	500	3.1	20.0
Ethylene glycol dinitrate	Ave	21.09	23.66		561	500	12.2	20.0
1,3-Dinitrobenzene	Ave	100.4	99.30		495	500	-1.1	20.0
1,3,5-Trinitrobenzene	Ave	78.76	77.75		494	500	-1.3	20.0
2-Nitrotoluene	Ave	60.89	58.73		482	500	-3.6	20.0
4-Nitrotoluene	Ave	60.89	58.73		482	500	-3.6	20.0
3-Nitrotoluene	Ave	40.52	38.86		480	500	-4.1	20.0
3,5-Dinitroaniline	Ave	79.66	85.27		535	500	7.0	20.0
RDX	Ave	47.24	47.29		501	500	0.1	20.0
2,4-Dinitrotoluene	Ave	92.07	91.17		495	500	-1.0	20.0
2,6-Dinitrotoluene	Ave	54.36	54.14		498	500	-0.4	20.0
2-Amino-4,6-dinitrotoluene	Ave	75.88	74.17		489	500	-2.3	20.0
4-Amino-2,6-dinitrotoluene	Ave	63.14	61.58		488	500	-2.5	20.0
2,4,6-Trinitrotoluene	Ave	73.84	77.95		528	500	5.6	20.0
HMX	Ave	62.43	61.60		493	500	-1.3	20.0
Nitroglycerin	Ave	86.52	85.85		496	500	-0.8	20.0
Tetryl	Ave	117.1	125.2		535	500	6.9	20.0
PETN	Ave	151.5	154.2		509	500	1.7	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICV 320-4221/12 Calibration Date: 10/01/2012 23:24

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 10/01/2012 20:08

Lab File ID: C-000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	21.49	21.17	21.67
Ethylene glycol dinitrate	22.41	22.10	22.60
1,3-Dinitrobenzene	24.42	24.11	24.61
1,3,5-Trinitrobenzene	26.92	26.63	27.13
2-Nitrotoluene	28.50	28.18	28.68
4-Nitrotoluene	28.50	28.18	28.68
3-Nitrotoluene	29.07	28.74	29.24
3,5-Dinitroaniline	30.56	30.23	30.73
RDX	31.22	30.88	31.38
2,4-Dinitrotoluene	32.14	31.81	32.31
2,6-Dinitrotoluene	33.12	32.78	33.28
2-Amino-4,6-dinitrotoluene	35.31	34.94	35.44
4-Amino-2,6-dinitrotoluene	35.89	35.52	36.02
2,4,6-Trinitrotoluene	39.66	39.31	39.81
HMX	41.84	41.49	41.99
Nitroglycerin	44.24	43.88	44.38
Tetryl	46.05	45.67	46.17
PETN	52.75	52.38	52.88

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000014.D
Lims ID: ICV Client ID:
Inject. Date: 01-Oct-2012 23:24:29 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV HP8330IC_00005;2;320-0000975-012
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 19
Lims Batch ID: 4221 Lims Sample ID: 12
Sublist:

Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
Last Update: 02-Oct-2012 13:09:34 Calib Date: 01-Oct-2012 20:08:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK005

First Level Reviewer: noonanr Date: 02-Oct-2012 09:17:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.487	21.424	0.063	23494	515.3	
3 Ethylene glycol dinitrate						
2	22.410	22.354	0.056	11829	560.8	
24 1,3-Dinitrobenzene						
1	24.420	24.360	0.060	49649	494.6	
27 1,3,5-Trinitrobenzene						
1	26.920	26.877	0.043	38874	493.6	
16 o-Nitrotoluene						
1	28.504	28.430	0.074	29363	482.2	
15 p-Nitrotoluene						
1	28.504	28.430	0.074	29363	482.2	
8 m-Nitrotoluene						
1	29.070	28.994	0.076	19432	479.5	
9 3,5-Dinitroaniline						
1	30.564	30.480	0.084	42633	535.2	
19 RDX						
1	31.217	31.134	0.083	23645	500.5	
23 2,4-Dinitrotoluene						
1	32.140	32.060	0.080	45585	495.1	
12 2,6-Dinitrotoluene						
1	33.120	33.030	0.090	27068	498.0	
6 2-Amino-4,6-dinitrotoluene						
1	35.307	35.194	0.113	37086	488.7	
26 4-Amino-2,6-dinitrotoluene						
1	35.894	35.774	0.120	30788	487.6	
25 2,4,6-Trinitrotoluene						
1	39.660	39.560	0.100	38974	527.8	

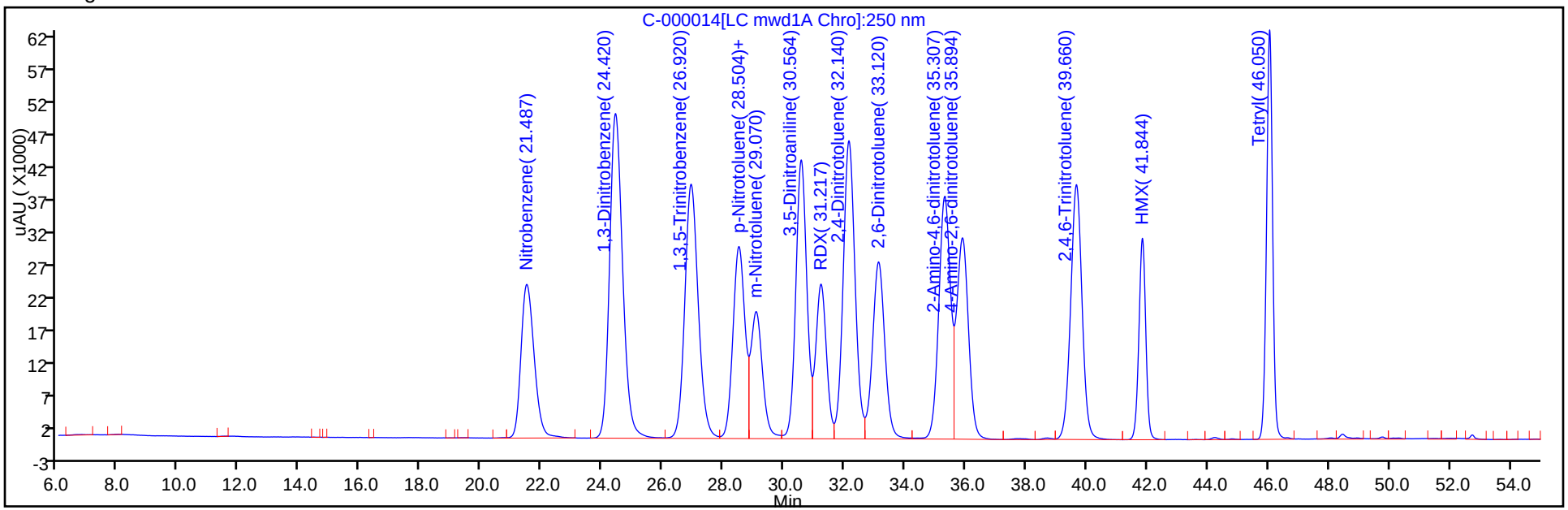
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	41.844	41.740	0.104	30798	493.3	
7 Nitroglycerin						
2	44.244	44.130	0.114	42925	496.1	
20 Tetryl						
1	46.050	45.920	0.130	62583	534.6	
21 PETN						
2	52.750	52.630	0.120	77089	508.7	

Report Date: 02-Oct-2012 13:09:37 Chrom Revision: 2.1 28-Sep-2012 12:22:52

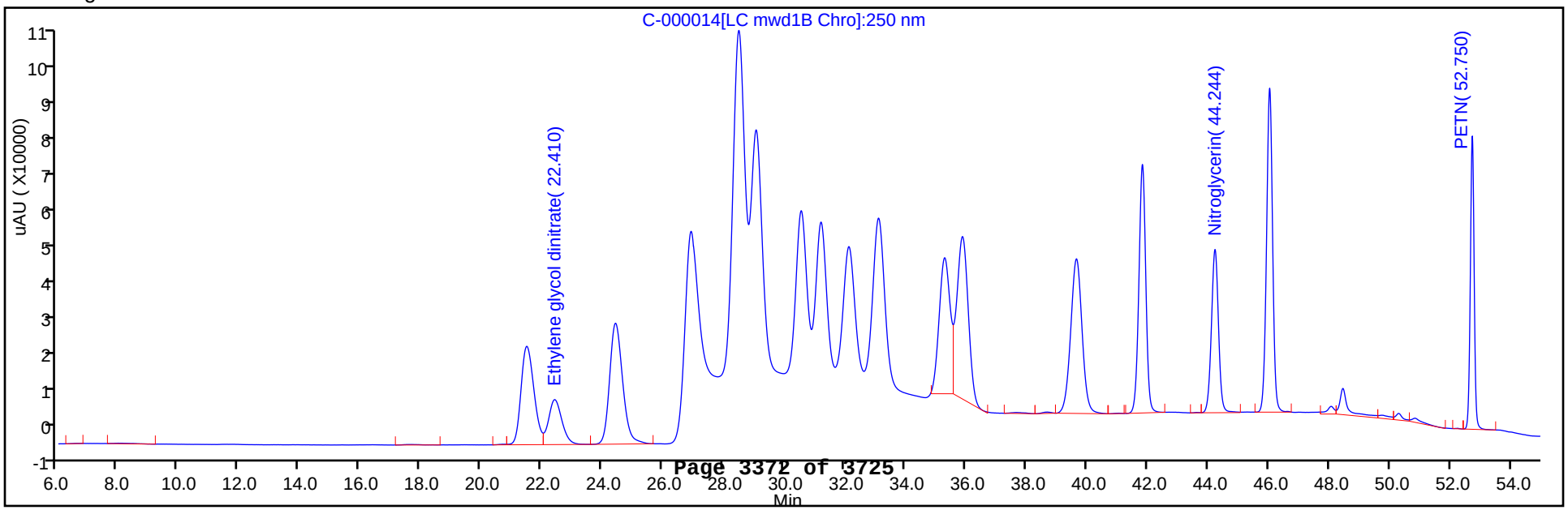
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000014.D		
Injection Date:	01-Oct-2012 23:24:29	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	4221	Lims Sample ID:	12
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: LODV 320-4221/13 Calibration Date: 10/02/2012 00:29

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 10/01/2012 20:08

Lab File ID: C-000015.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	45.60	51.20		5.61	5.00	12.3	
1,3-Dinitrobenzene	Ave	100.4	105.0		5.23	5.00	4.6	
1,3,5-Trinitrobenzene	Ave	78.76	79.20		5.03	5.00	0.6	
2-Nitrotoluene	Ave	60.89	62.60		5.14	5.00	2.8	
4-Nitrotoluene	Ave	60.89	62.60		5.14	5.00	2.8	
3-Nitrotoluene	Ave	40.52	38.60		4.76	5.00	-4.7	
3,5-Dinitroaniline	Ave	79.66	85.60		5.37	5.00	7.5	
RDX	Ave	47.24	52.40		5.55	5.00	10.9	
2,4-Dinitrotoluene	Ave	92.07	100.6		5.46	5.00	9.3	
2,6-Dinitrotoluene	Ave	54.36	60.00		5.52	5.00	10.4	
2-Amino-4,6-dinitrotoluene	Ave	75.88	82.20		5.42	5.00	8.3	
4-Amino-2,6-dinitrotoluene	Ave	63.14	68.20		5.40	5.00	8.0	
2,4,6-Trinitrotoluene	Ave	73.84	58.60		3.97	5.00	-20.6	
HMX	Ave	62.43	66.80		5.35	5.00	7.0	
Nitroglycerin	Ave	86.52	84.55		19.5	20.0	-2.3	
Tetryl	Ave	117.1	101.6		4.34	5.00	-13.2	
PETN	Ave	151.5	135.2		17.8	20.0	-10.8	
3,4-Dinitrotoluene	Ave	48.31	49.00		20.3	20.0	1.4	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: LODV 320-4221/13 Calibration Date: 10/02/2012 00:29

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 10/01/2012 20:08

Lab File ID: C-000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	21.49	21.17	21.67
1,3-Dinitrobenzene	24.42	24.11	24.61
1,3,5-Trinitrobenzene	26.90	26.63	27.13
2-Nitrotoluene	28.53	28.18	28.68
4-Nitrotoluene	28.53	28.18	28.68
3-Nitrotoluene	29.12	28.74	29.24
3,5-Dinitroaniline	30.58	30.23	30.73
RDX	31.20	30.88	31.38
2,4-Dinitrotoluene	32.17	31.81	32.31
2,6-Dinitrotoluene	33.15	32.78	33.28
2-Amino-4,6-dinitrotoluene	35.30	34.94	35.44
4-Amino-2,6-dinitrotoluene	35.93	35.52	36.02
2,4,6-Trinitrotoluene	39.68	39.31	39.81
HMX	41.83	41.49	41.99
Nitroglycerin	44.24	43.88	44.38
Tetryl	46.05	45.67	46.17
PETN	52.75	52.38	52.88
Ethylene glycol dinitrate			
3,4-Dinitrotoluene	37.71	37.35	37.85

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000015.D
Lims ID: LODV 5-20ng/mL Client ID:
Inject. Date: 02-Oct-2012 00:29:51 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: LODV HP8330ICL_00002;2;320-0000975-013
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 20
Lims Batch ID: 4221 Lims Sample ID: 13

Method: \\SACChrom\ChromData\LC12\20121001-975.b\LC12_Conf_8330.m
Last Update: 02-Oct-2012 13:57:03 Calib Date: 01-Oct-2012 20:08:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000011.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK005

First Level Reviewer: noonanr Date: 02-Oct-2012 13:57:03

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	21.489	21.424	0.065	256	5.61	
24 1,3-Dinitrobenzene						
1	24.419	24.360	0.059	525	5.23	
27 1,3,5-Trinitrobenzene						
1	26.895	26.877	0.018	396	5.03	
16 o-Nitrotoluene						
1	28.532	28.430	0.102	313	5.14	
15 p-Nitrotoluene						
1	28.532	28.430	0.102	313	5.14	
8 m-Nitrotoluene						
1	29.115	28.994	0.121	193	4.76	
9 3,5-Dinitroaniline						
1	30.575	30.480	0.095	428	5.37	
19 RDX						
1	31.195	31.134	0.061	262	5.55	
23 2,4-Dinitrotoluene						
1	32.169	32.060	0.109	503	5.46	
12 2,6-Dinitrotoluene						
1	33.149	33.030	0.119	300	5.52	
6 2-Amino-4,6-dinitrotoluene						
1	35.302	35.194	0.108	411	5.42	
26 4-Amino-2,6-dinitrotoluene						
1	35.932	35.774	0.158	341	5.40	
$ 30 3,4-Dinitrotoluene						
1	37.705	37.604	0.101	980	20.3	
25 2,4,6-Trinitrotoluene						
1	39.679	39.560	0.119	293	3.97	

Report Date: 02-Oct-2012 13:57:03 Chrom Revision: 2.1 28-Sep-2012 12:22:52
Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000015.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	41.832	41.740	0.092	334	5.35	
7 Nitroglycerin						
2	44.242	44.130	0.112	1691	19.5	
20 Tetryl						
1	46.052	45.920	0.132	508	4.34	
21 PETN						M
2	52.752	52.630	0.122	2703	17.8	M

QC Flag Legend

Review Flags
M - Manually Integrated

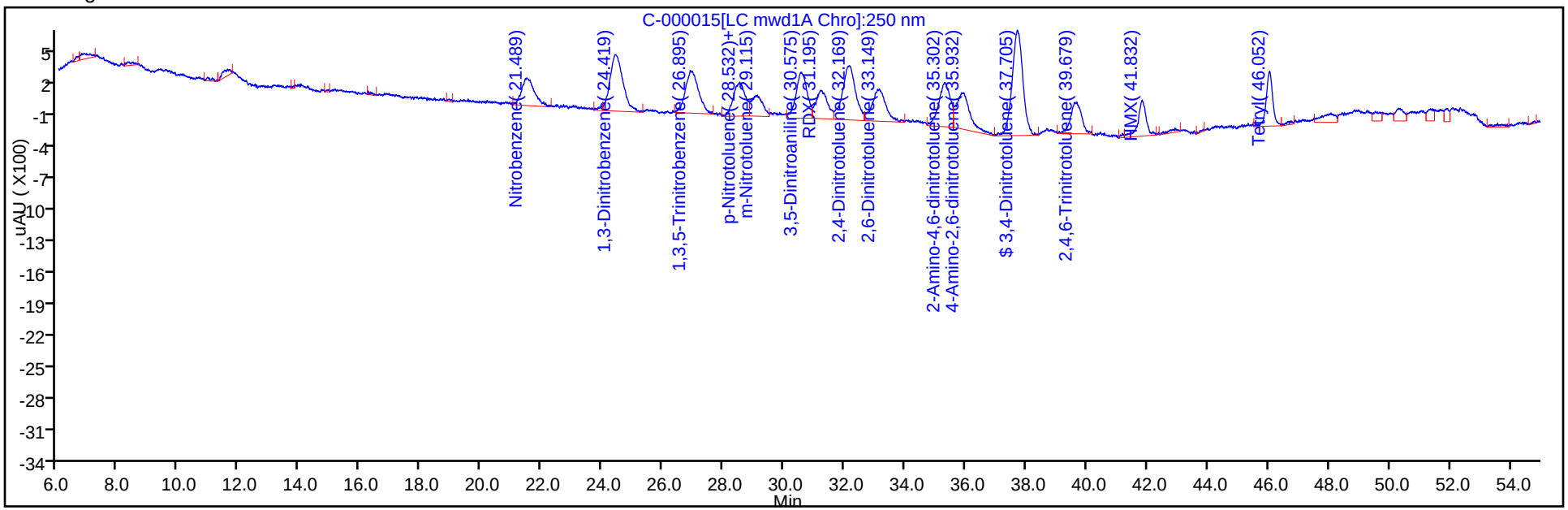
Report Date: 02-Oct-2012 13:57:03 Chrom Revision: 2.1 28-Sep-2012 12:22:52

TestAmerica West Sacramento

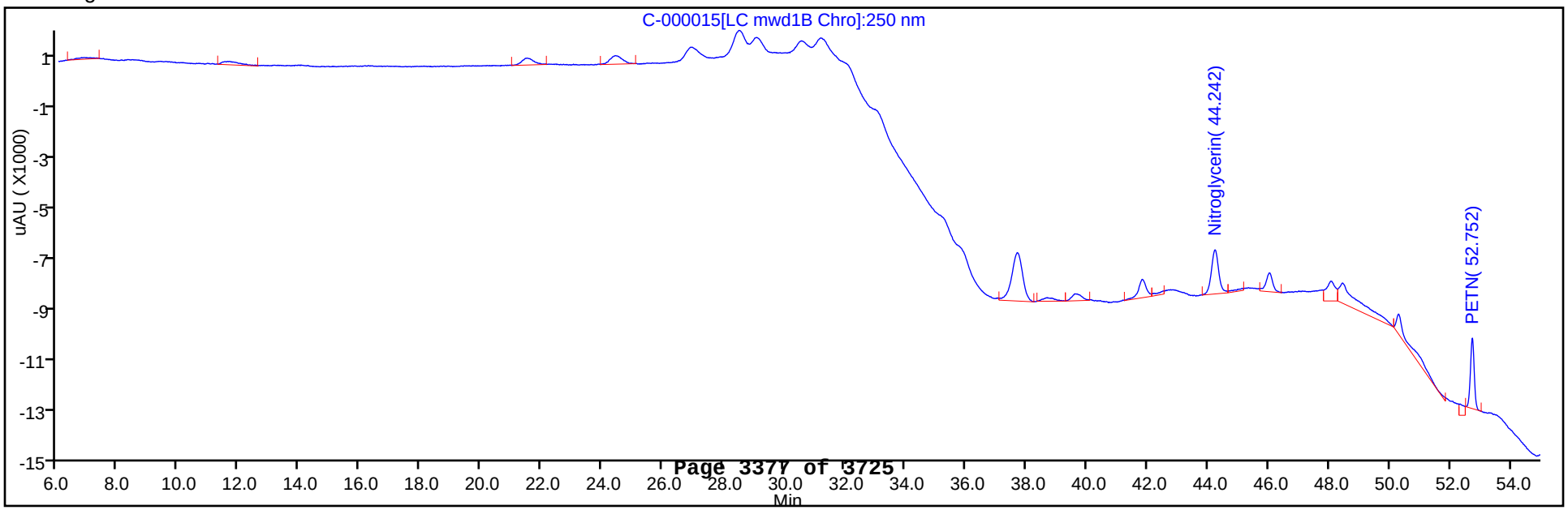
Data File: \\SACChrom\ChromData\LC12\20121001-975.b\C-000015.D

Injection Date:	02-Oct-2012 00:29:51	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	4221	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

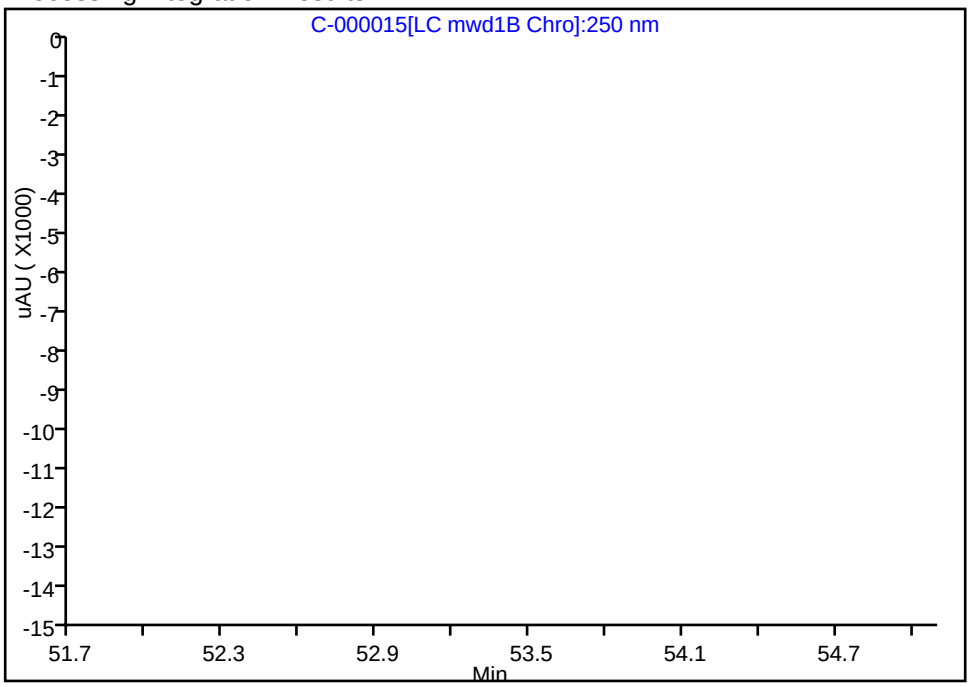
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC12\20121001-975.b\C-000015.D		
Injection Date:	02-Oct-2012 00:29:51	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	4221	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 52.63, Det: LC mwd1B

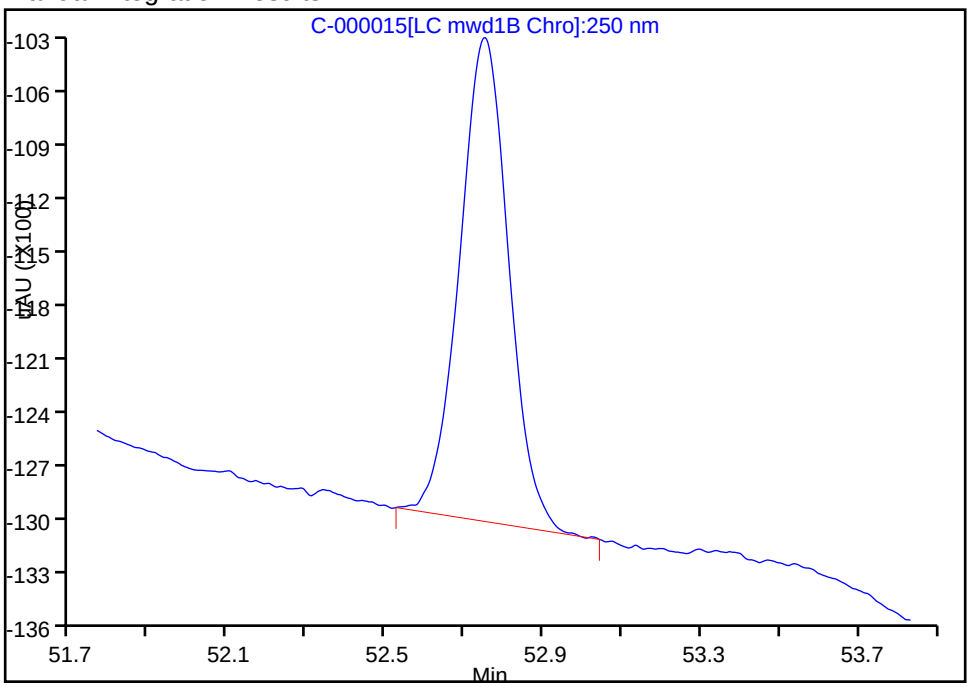
Processing Integration Results

RT: 52.75
Response: 3116
Amount: 20.562748



Manual Integration Results

RT: 52.75
Response: 2703
Amount: 17.837326



Reviewer: noonanr, 02-Oct-2012 09:20:32
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 320-8144/13 Calibration Date: 01/02/2013 23:33

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 10/01/2012 20:08

Lab File ID: B000013.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	45.60	47.40		104	100	4.0	20.0
Ethylene glycol dinitrate	Ave	21.09	23.69		112	100	12.3	20.0
1,3-Dinitrobenzene	Ave	100.4	102.1		102	100	1.7	20.0
1,3,5-Trinitrobenzene	Ave	78.76	79.25		101	100	0.6	20.0
2-Nitrotoluene	Ave	60.89	59.01		96.9	100	-3.1	20.0
4-Nitrotoluene	Ave	60.89	59.01		96.9	100	-3.1	20.0
3-Nitrotoluene	Ave	40.52	39.46		97.4	100	-2.6	20.0
3,5-Dinitroaniline	Ave	79.66	78.77		98.9	100	-1.1	20.0
RDX	Ave	47.24	46.12		97.6	100	-2.4	20.0
2,4-Dinitrotoluene	Ave	92.07	94.78		103	100	2.9	20.0
2,6-Dinitrotoluene	Ave	54.36	59.23		109	100	9.0	20.0
2-Amino-4,6-dinitrotoluene	Ave	75.88	77.38		102	100	2.0	20.0
4-Amino-2,6-dinitrotoluene	Ave	63.14	66.02		105	100	4.6	20.0
2,4,6-Trinitrotoluene	Ave	73.84	66.97		90.7	100	-9.3	20.0
HMX	Ave	62.43	53.14		85.1	100	-14.9	20.0
Nitroglycerin	Ave	86.52	79.51		91.9	100	-8.1	20.0
Tetryl	Ave	117.1	116.7		99.6	100	-0.4	20.0
PETN	Ave	151.5	142.7		94.1	100	-5.9	20.0
3,4-Dinitrotoluene	Ave	48.31	41.86		86.6	100	-13.4	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 320-8144/13 Calibration Date: 01/02/2013 23:33

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 10/01/2012 20:08

Lab File ID: B000013.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	20.38	20.13	20.63
Ethylene glycol dinitrate	21.09	20.84	21.34
1,3-Dinitrobenzene	23.07	22.82	23.32
1,3,5-Trinitrobenzene	25.28	25.03	25.53
2-Nitrotoluene	27.08	26.83	27.33
4-Nitrotoluene	27.08	26.83	27.33
3-Nitrotoluene	27.61	27.36	27.86
3,5-Dinitroaniline	28.95	28.70	29.20
RDX	29.61	29.36	29.86
2,4-Dinitrotoluene	30.49	30.24	30.74
2,6-Dinitrotoluene	31.36	31.11	31.61
2-Amino-4,6-dinitrotoluene	33.39	33.14	33.64
4-Amino-2,6-dinitrotoluene	33.90	33.65	34.15
2,4,6-Trinitrotoluene	37.50	37.25	37.75
HMX	40.39	40.14	40.64
Nitroglycerin	42.79	42.54	43.04
Tetryl	44.78	44.53	45.03
PETN	51.85	51.60	52.10
3,4-Dinitrotoluene	35.74	35.49	35.99

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130102-2037.b\B000013.D		
Lims ID:	CCV 5	Client ID:	
Inject. Date:	02-Jan-2013 23:33:34	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	320-0002037-013		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	3
Lims Batch ID:	8144	Lims Sample ID:	13
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20130102-2037.b\LC12_Conf_8330.m		
Last Update:	03-Jan-2013 07:46:09	Calib Date:	19-Nov-2012 14:12:43
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20121116-1443.b\P000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK024		

First Level Reviewer: noonanr Date: 03-Jan-2013 07:46:09

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	20.383	20.383	0.0	4740	104.0	
3 Ethylene glycol dinitrate						
2	21.093	21.093	0.0	2369	112.3	
24 1,3-Dinitrobenzene						
1	23.066	23.066	0.0	10209	101.7	
27 1,3,5-Trinitrobenzene						
1	25.276	25.276	0.0	7925	100.6	
16 o-Nitrotoluene						
1	27.083	27.083	0.0	5901	96.9	
15 p-Nitrotoluene						
1	27.083	27.083	0.0	5901	96.9	
8 m-Nitrotoluene						
1	27.613	27.613	0.0	3946	97.4	
9 3,5-Dinitroaniline						
1	28.953	28.953	0.0	7877	98.9	
19 RDX						
1	29.613	29.613	0.0	4612	97.6	
23 2,4-Dinitrotoluene						
1	30.493	30.493	0.0	9478	102.9	
12 2,6-Dinitrotoluene						
1	31.359	31.359	0.0	5923	109.0	
6 2-Amino-4,6-dinitrotoluene						
1	33.386	33.386	0.0	7738	102.0	
26 4-Amino-2,6-dinitrotoluene						
1	33.899	33.899	0.0	6602	104.6	
$ 30 3,4-Dinitrotoluene						
1	35.739	35.739	0.0	4186	86.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	37.502	37.502	0.0	6697	90.7	
11 HMX						
1	40.389	40.389	0.0	5314	85.1	
7 Nitroglycerin						
2	42.786	42.786	0.0	7951	91.9	
20 Tetryl						
1	44.782	44.782	0.0	11665	99.6	
21 PETN						
2	51.849	51.849	0.0	14266	94.1	

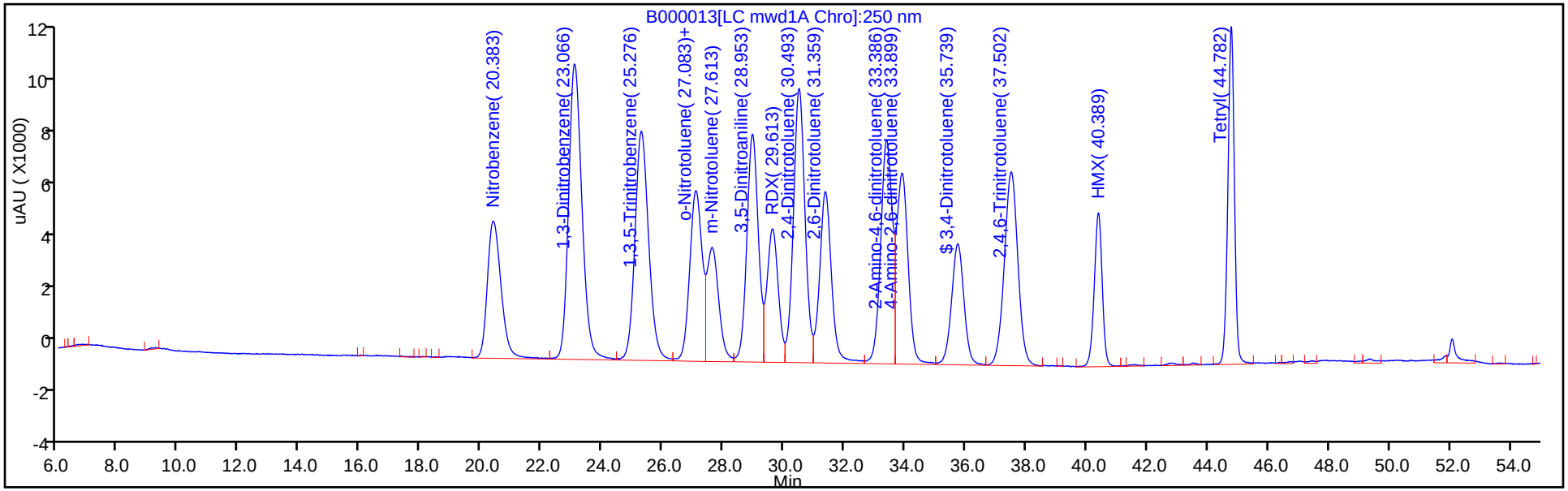
Report Date: 03-Jan-2013 07:46:09 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica Sacramento

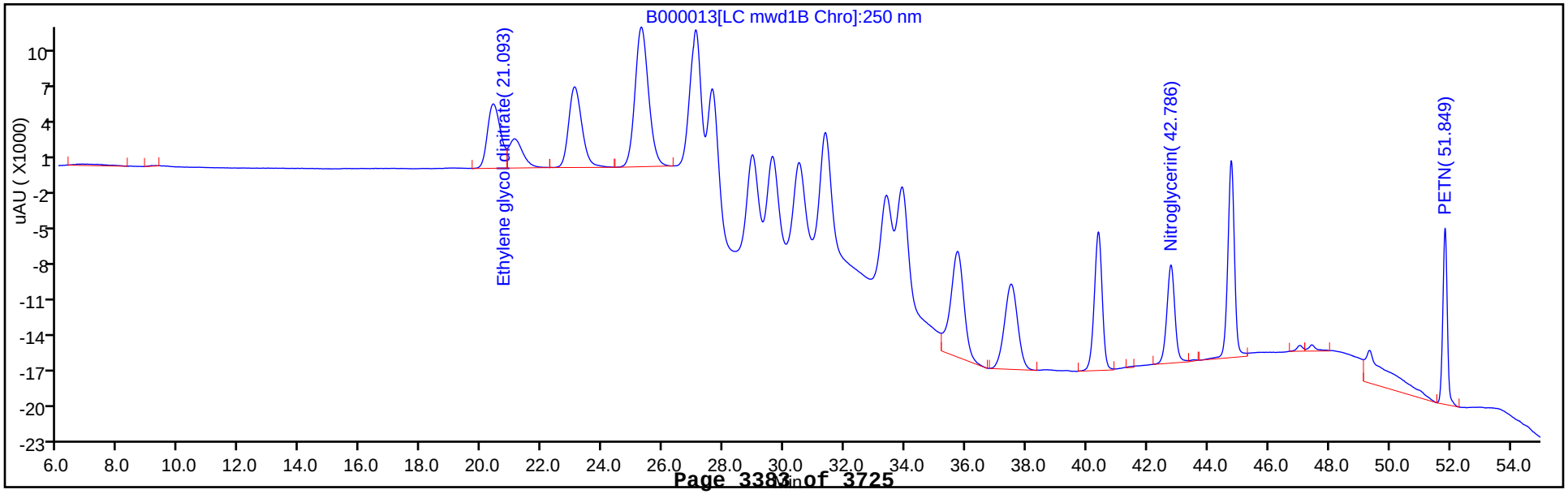
Data File: \\SACChrom\ChromData\LC12\20130102-2037.b\B000013.D

Injection Date:	02-Jan-2013 23:33:34	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	8144	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCVL 320-8144/14 Calibration Date: 01/03/2013 00:39

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 10/01/2012 20:08

Lab File ID: B000014.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	45.60	47.80		5.24	5.00	4.8	30.0
1,3-Dinitrobenzene	Ave	100.4	111.6		5.56	5.00	11.2	30.0
1,3,5-Trinitrobenzene	Ave	78.76	86.40		5.49	5.00	9.7	30.0
2-Nitrotoluene	Ave	60.89	61.60		5.06	5.00	1.2	30.0
4-Nitrotoluene	Ave	60.89	61.60		5.06	5.00	1.2	30.0
3-Nitrotoluene	Ave	40.52	39.60		4.89	5.00	-2.3	30.0
3,5-Dinitroaniline	Ave	79.66	86.00		5.40	5.00	8.0	30.0
RDX	Ave	47.24	53.60		5.67	5.00	13.5	30.0
2,4-Dinitrotoluene	Ave	92.07	100.8		5.47	5.00	9.5	30.0
2,6-Dinitrotoluene	Ave	54.36	75.80		6.97	5.00	39.4*	30.0
2-Amino-4,6-dinitrotoluene	Ave	75.88	87.80		5.79	5.00	15.7	30.0
4-Amino-2,6-dinitrotoluene	Ave	63.14	72.80		5.76	5.00	15.3	30.0
2,4,6-Trinitrotoluene	Ave	73.84	71.40		4.83	5.00	-3.3	30.0
HMX	Ave	62.43	58.80		4.71	5.00	-5.8	30.0
Nitroglycerin	Ave	86.52	76.15		17.6	20.0	-12.0	30.0
Tetryl	Ave	117.1	113.2		4.83	5.00	-3.3	30.0
PETN	Ave	151.5	134.8		17.8	20.0	-11.0	30.0
3,4-Dinitrotoluene	Ave	48.31	42.35		17.5	20.0	-12.3	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCVL 320-8144/14 Calibration Date: 01/03/2013 00:39

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 10/01/2012 20:08

Lab File ID: B000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	20.54	20.29	20.79
1,3-Dinitrobenzene	23.27	23.02	23.52
1,3,5-Trinitrobenzene	25.50	25.25	25.75
2-Nitrotoluene	27.39	27.14	27.64
4-Nitrotoluene	27.39	27.14	27.64
3-Nitrotoluene	27.92	27.67	28.17
3,5-Dinitroaniline	29.29	29.04	29.54
RDX	29.97	29.72	30.22
2,4-Dinitrotoluene	30.82	30.57	31.07
2,6-Dinitrotoluene	31.76	31.51	32.01
2-Amino-4,6-dinitrotoluene	33.81	33.56	34.06
4-Amino-2,6-dinitrotoluene	34.35	34.10	34.60
2,4,6-Trinitrotoluene	37.94	37.69	38.19
HMX	40.77	40.52	41.02
Nitroglycerin	43.20	42.95	43.45
Tetryl	45.22	44.97	45.47
PETN	52.29	52.04	52.54
3,4-Dinitrotoluene	36.26	36.01	36.51

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130102-2037.b\B000014.D		
Lims ID:	CCVL	Client ID:	
Inject. Date:	03-Jan-2013 00:39:00	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0002037-014		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	10
Lims Batch ID:	8144	Lims Sample ID:	14
Sublist:	chrom-LC12_Conf_8330*sub4		
Method:	\\SACChrom\ChromData\LC12\20130102-2037.b\LC12_Conf_8330.m		
Last Update:	03-Jan-2013 07:48:10	Calib Date:	19-Nov-2012 14:12:43
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20121116-1443.b\P000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK024		

First Level Reviewer: noonanr Date: 03-Jan-2013 07:48:10

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	20.543	20.543	0.0	239	5.24	
24 1,3-Dinitrobenzene						
1	23.270	23.270	0.0	558	5.56	
27 1,3,5-Trinitrobenzene						
1	25.497	25.497	0.0	432	5.49	
16 o-Nitrotoluene						
1	27.390	27.390	0.0	308	5.06	
15 p-Nitrotoluene						
1	27.390	27.390	0.0	308	5.06	
8 m-Nitrotoluene						
1	27.917	27.917	0.0	198	4.89	
9 3,5-Dinitroaniline						
1	29.290	29.290	0.0	430	5.40	
19 RDX						
1	29.970	29.970	0.0	268	5.67	
23 2,4-Dinitrotoluene						
1	30.820	30.820	0.0	504	5.47	
12 2,6-Dinitrotoluene						
1	31.760	31.760	0.0	379	6.97	
6 2-Amino-4,6-dinitrotoluene						
1	33.813	33.813	0.0	439	5.79	
26 4-Amino-2,6-dinitrotoluene						
1	34.353	34.353	0.0	364	5.76	
$ 30 3,4-Dinitrotoluene						
1	36.263	36.263	0.0	847	17.5	
25 2,4,6-Trinitrotoluene						
1	37.937	37.937	0.0	357	4.83	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	40.767	40.767	0.0	294	4.71	
7 Nitroglycerin						
2	43.197	43.197	0.0	1523	17.6	
20 Tetryl						
1	45.217	45.217	0.0	566	4.83	
21 PETN						
2	52.287	52.287	0.0	2696	17.8	

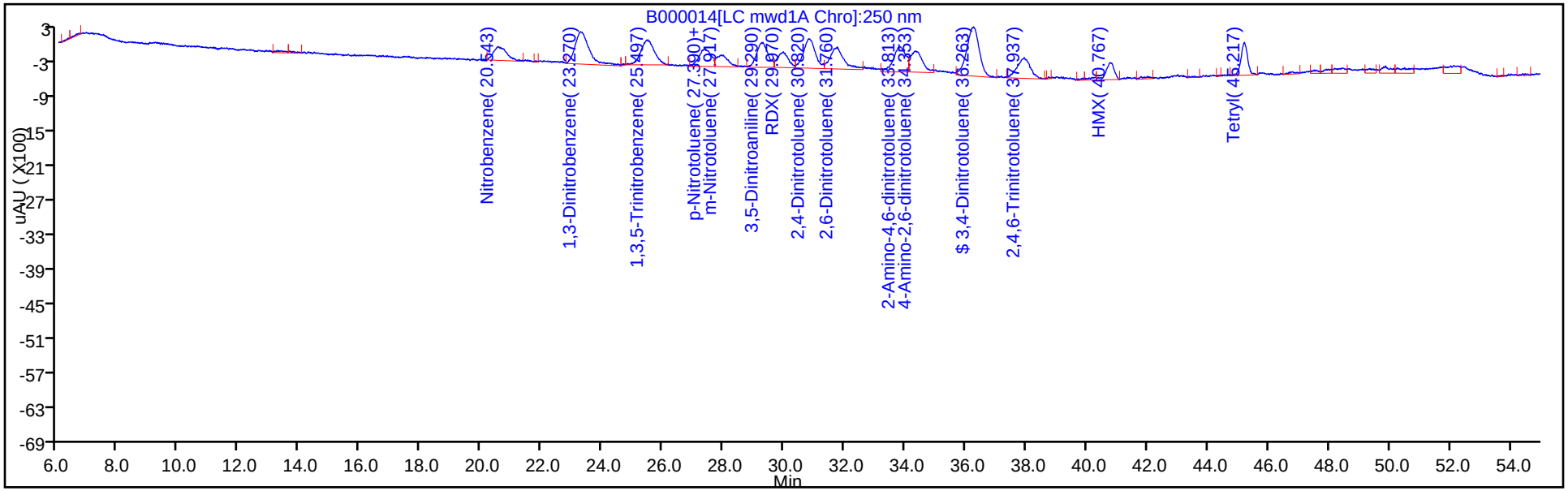
Report Date: 03-Jan-2013 07:48:10 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica Sacramento

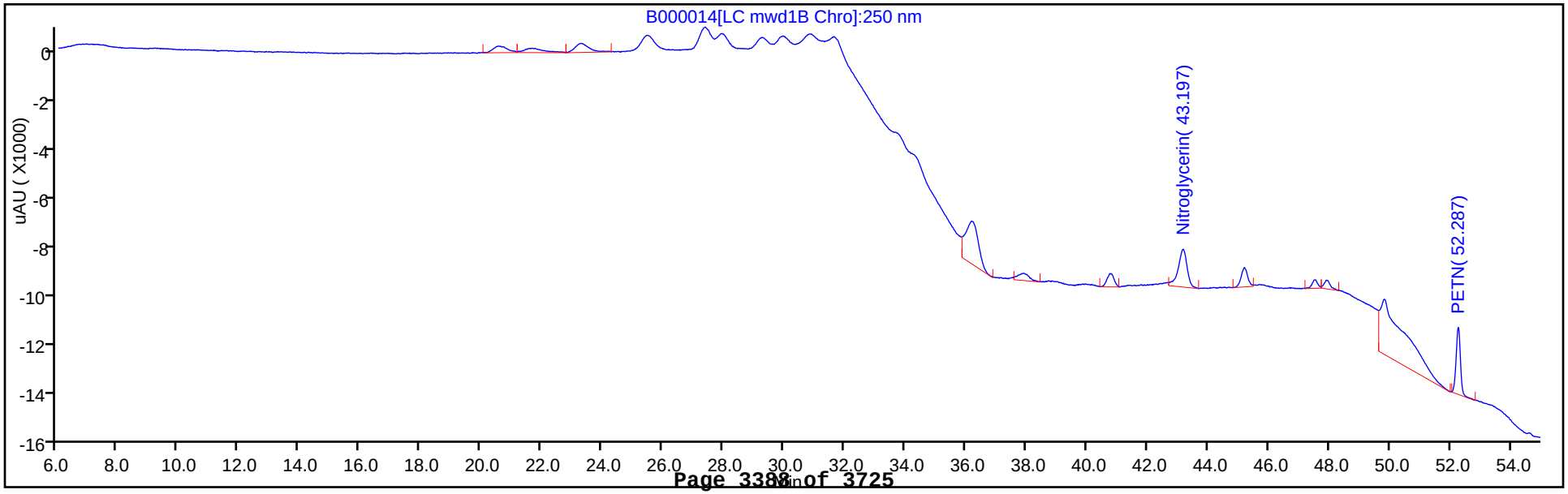
Data File: \\SACChrom\ChromData\LC12\20130102-2037.b\B000014.D

Injection Date:	03-Jan-2013 00:39:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	8144	Lims Sample ID:	14
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 320-8144/17 Calibration Date: 01/03/2013 10:28

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 10/01/2012 20:08

Lab File ID: B000023.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	45.60	45.97		101	100	0.8	20.0
Ethylene glycol dinitrate	Ave	21.09	23.48		111	100	11.3	20.0
1,3-Dinitrobenzene	Ave	100.4	101.2		101	100	0.8	20.0
1,3,5-Trinitrobenzene	Ave	78.76	78.42		99.6	100	-0.4	20.0
2-Nitrotoluene	Ave	60.89	57.07		93.7	100	-6.3	20.0
4-Nitrotoluene	Ave	60.89	57.07		93.7	100	-6.3	20.0
3-Nitrotoluene	Ave	40.52	38.24		94.4	100	-5.6	20.0
3,5-Dinitroaniline	Ave	79.66	78.14		98.1	100	-1.9	20.0
RDX	Ave	47.24	45.66		96.7	100	-3.3	20.0
2,4-Dinitrotoluene	Ave	92.07	93.77		102	100	1.8	20.0
2,6-Dinitrotoluene	Ave	54.36	57.83		106	100	6.4	20.0
2-Amino-4,6-dinitrotoluene	Ave	75.88	75.93		100	100	0.0	20.0
4-Amino-2,6-dinitrotoluene	Ave	63.14	65.00		103	100	2.9	20.0
2,4,6-Trinitrotoluene	Ave	73.84	67.42		91.3	100	-8.7	20.0
HMX	Ave	62.43	53.91		86.4	100	-13.6	20.0
Nitroglycerin	Ave	86.52	79.31		91.7	100	-8.3	20.0
Tetryl	Ave	117.1	117.3		100	100	0.2	20.0
PETN	Ave	151.5	143.1		94.4	100	-5.6	20.0
3,4-Dinitrotoluene	Ave	48.31	41.03		84.9	100	-15.1	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCV 320-8144/17 Calibration Date: 01/03/2013 10:28

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 10/01/2012 20:08

Lab File ID: B000023.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	20.49	20.24	20.74
Ethylene glycol dinitrate	21.12	20.87	21.37
1,3-Dinitrobenzene	23.19	22.94	23.44
1,3,5-Trinitrobenzene	25.37	25.12	25.62
2-Nitrotoluene	27.28	27.03	27.53
4-Nitrotoluene	27.28	27.03	27.53
3-Nitrotoluene	27.82	27.57	28.07
3,5-Dinitroaniline	29.16	28.91	29.41
RDX	29.84	29.59	30.09
2,4-Dinitrotoluene	30.71	30.46	30.96
2,6-Dinitrotoluene	31.59	31.34	31.84
2-Amino-4,6-dinitrotoluene	33.69	33.44	33.94
4-Amino-2,6-dinitrotoluene	34.22	33.97	34.47
2,4,6-Trinitrotoluene	37.78	37.53	38.03
HMX	40.67	40.42	40.92
Nitroglycerin	43.00	42.75	43.25
Tetryl	45.00	44.75	45.25
PETN	52.04	51.79	52.29
3,4-Dinitrotoluene	36.10	35.85	36.35

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130102-2037.b\B000023.D		
Lims ID:	CCV 5	Client ID:	
Inject. Date:	03-Jan-2013 10:28:34	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	320-0002037-017		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	3
Lims Batch ID:	8144	Lims Sample ID:	17
Sublist:	chrom-LC12_Conf_8330*sub1		
Method:	\\SACChrom\ChromData\LC12\20130102-2037.b\LC12_Conf_8330.m		
Last Update:	03-Jan-2013 12:55:54	Calib Date:	19-Nov-2012 14:12:43
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20121116-1443.b\P000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK024		

First Level Reviewer: noonanr Date: 03-Jan-2013 12:55:54

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	20.490	20.490	0.0	4597	100.8	
3 Ethylene glycol dinitrate						
2	21.124	21.124	0.0	2348	111.3	
24 1,3-Dinitrobenzene						
1	23.187	23.187	0.0	10123	100.8	
27 1,3,5-Trinitrobenzene						
1	25.370	25.370	0.0	7842	99.6	
16 o-Nitrotoluene						
1	27.277	27.277	0.0	5707	93.7	
15 p-Nitrotoluene						
1	27.277	27.277	0.0	5707	93.7	
8 m-Nitrotoluene						
1	27.817	27.817	0.0	3824	94.4	
9 3,5-Dinitroaniline						
1	29.157	29.157	0.0	7814	98.1	
19 RDX						
1	29.837	29.837	0.0	4566	96.7	
23 2,4-Dinitrotoluene						
1	30.707	30.707	0.0	9377	101.8	
12 2,6-Dinitrotoluene						
1	31.594	31.594	0.0	5783	106.4	
6 2-Amino-4,6-dinitrotoluene						
1	33.690	33.690	0.0	7593	100.1	
26 4-Amino-2,6-dinitrotoluene						
1	34.217	34.217	0.0	6500	102.9	
$ 30 3,4-Dinitrotoluene						
1	36.104	36.104	0.0	4103	84.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	37.784	37.784	0.0	6742	91.3	
11 HMX						
1	40.667	40.667	0.0	5391	86.4	
7 Nitroglycerin						
2	42.997	42.997	0.0	7931	91.7	
20 Tetryl						
1	44.997	44.997	0.0	11734	100.2	
21 PETN						
2	52.040	52.040	0.0	14312	94.4	

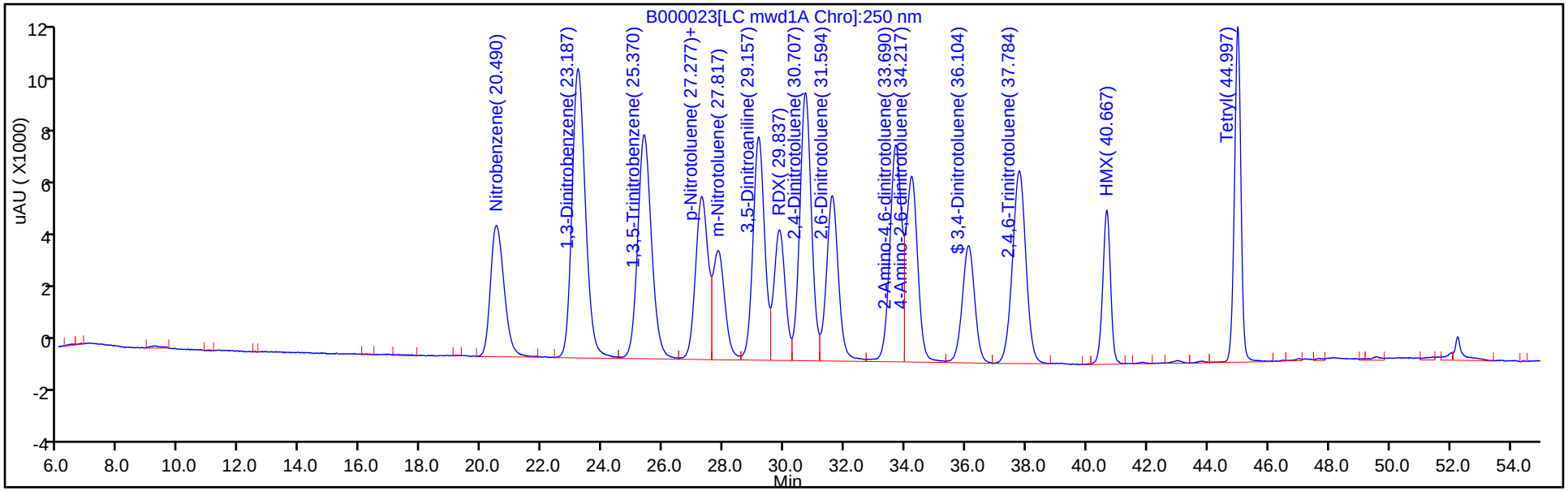
Report Date: 03-Jan-2013 12:55:54 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica Sacramento

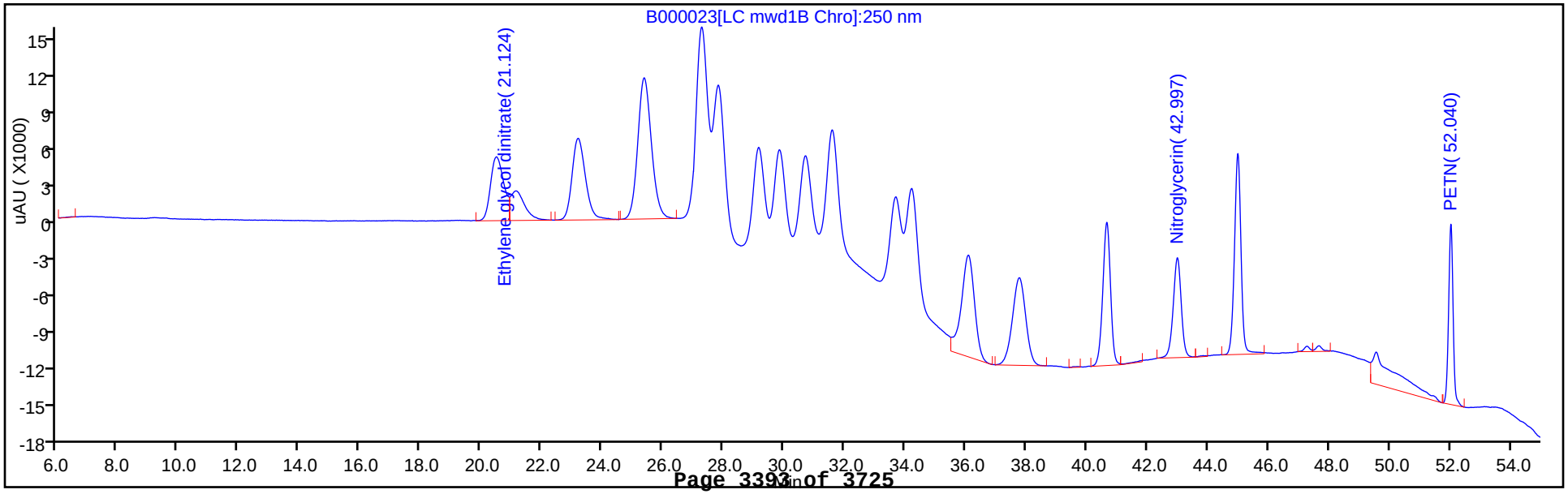
Data File: \\SACChrom\ChromData\LC12\20130102-2037.b\B000023.D

Injection Date:	03-Jan-2013 10:28:34	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	8144	Lims Sample ID:	17
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCVL 320-8144/18 Calibration Date: 01/03/2013 11:34

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 10/01/2012 20:08

Lab File ID: B000024.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	45.60	49.80		5.46	5.00	9.2	30.0
1,3-Dinitrobenzene	Ave	100.4	110.8		5.52	5.00	10.4	30.0
1,3,5-Trinitrobenzene	Ave	78.76	88.80		5.64	5.00	12.7	30.0
2-Nitrotoluene	Ave	60.89	60.40		4.96	5.00	-0.8	30.0
4-Nitrotoluene	Ave	60.89	60.40		4.96	5.00	-0.8	30.0
3-Nitrotoluene	Ave	40.52	36.60		4.52	5.00	-9.7	30.0
3,5-Dinitroaniline	Ave	79.66	86.00		5.40	5.00	8.0	30.0
RDX	Ave	47.24	52.60		5.57	5.00	11.3	30.0
2,4-Dinitrotoluene	Ave	92.07	105.8		5.75	5.00	14.9	30.0
2,6-Dinitrotoluene	Ave	54.36	74.00		6.81	5.00	36.1*	30.0
2-Amino-4,6-dinitrotoluene	Ave	75.88	86.40		5.69	5.00	13.9	30.0
4-Amino-2,6-dinitrotoluene	Ave	63.14	73.00		5.78	5.00	15.6	30.0
2,4,6-Trinitrotoluene	Ave	73.84	74.60		5.05	5.00	1.0	30.0
HMX	Ave	62.43	59.80		4.79	5.00	-4.2	30.0
Nitroglycerin	Ave	86.52	79.60		18.4	20.0	-8.0	30.0
Tetryl	Ave	117.1	109.4		4.67	5.00	-6.5	30.0
PETN	Ave	151.5	133.9		17.7	20.0	-11.7	30.0
3,4-Dinitrotoluene	Ave	48.31	42.70		17.7	20.0	-11.6	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Lab Sample ID: CCVL 320-8144/18 Calibration Date: 01/03/2013 11:34

Instrument ID: LC12 Calib Start Date: 10/01/2012 12:30

GC Column: Zorbax CN ID: 4.60(mm) Calib End Date: 10/01/2012 20:08

Lab File ID: B000024.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	20.51	20.26	20.76
1,3-Dinitrobenzene	23.19	22.94	23.44
1,3,5-Trinitrobenzene	25.40	25.15	25.65
2-Nitrotoluene	27.27	27.02	27.52
4-Nitrotoluene	27.27	27.02	27.52
3-Nitrotoluene	27.78	27.53	28.03
3,5-Dinitroaniline	29.18	28.93	29.43
RDX	29.90	29.65	30.15
2,4-Dinitrotoluene	30.72	30.47	30.97
2,6-Dinitrotoluene	31.60	31.35	31.85
2-Amino-4,6-dinitrotoluene	33.68	33.43	33.93
4-Amino-2,6-dinitrotoluene	34.21	33.96	34.46
2,4,6-Trinitrotoluene	37.79	37.54	38.04
HMX	40.67	40.42	40.92
Nitroglycerin	42.99	42.74	43.24
Tetryl	44.99	44.74	45.24
PETN	52.02	51.77	52.27
3,4-Dinitrotoluene	36.08	35.83	36.33

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130102-2037.b\B000024.D		
Lims ID:	CCVL	Client ID:	
Inject. Date:	03-Jan-2013 11:34:06	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0002037-018		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	10
Lims Batch ID:	8144	Lims Sample ID:	18
Sublist:	chrom-LC12_Conf_8330*sub4		
Method:	\\SACChrom\ChromData\LC12\20130102-2037.b\LC12_Conf_8330.m		
Last Update:	03-Jan-2013 12:51:08	Calib Date:	19-Nov-2012 14:12:43
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20121116-1443.b\P000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK024		

First Level Reviewer: noonanr Date: 03-Jan-2013 12:51:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
5 Nitrobenzene						
1	20.505	20.505	0.0	249	5.46	
24 1,3-Dinitrobenzene						
1	23.188	23.188	0.0	554	5.52	
27 1,3,5-Trinitrobenzene						
1	25.398	25.398	0.0	444	5.64	
16 o-Nitrotoluene						
1	27.265	27.265	0.0	302	4.96	
15 p-Nitrotoluene						
1	27.265	27.265	0.0	302	4.96	
8 m-Nitrotoluene						
1	27.782	27.782	0.0	183	4.52	
9 3,5-Dinitroaniline						
1	29.182	29.182	0.0	430	5.40	
19 RDX						
1	29.895	29.895	0.0	263	5.57	
23 2,4-Dinitrotoluene						
1	30.722	30.722	0.0	529	5.75	
12 2,6-Dinitrotoluene						
1	31.602	31.602	0.0	370	6.81	
6 2-Amino-4,6-dinitrotoluene						
1	33.678	33.678	0.0	432	5.69	
26 4-Amino-2,6-dinitrotoluene						
1	34.205	34.205	0.0	365	5.78	
$ 30 3,4-Dinitrotoluene						
1	36.082	36.082	0.0	854	17.7	
25 2,4,6-Trinitrotoluene						
1	37.792	37.792	0.0	373	5.05	

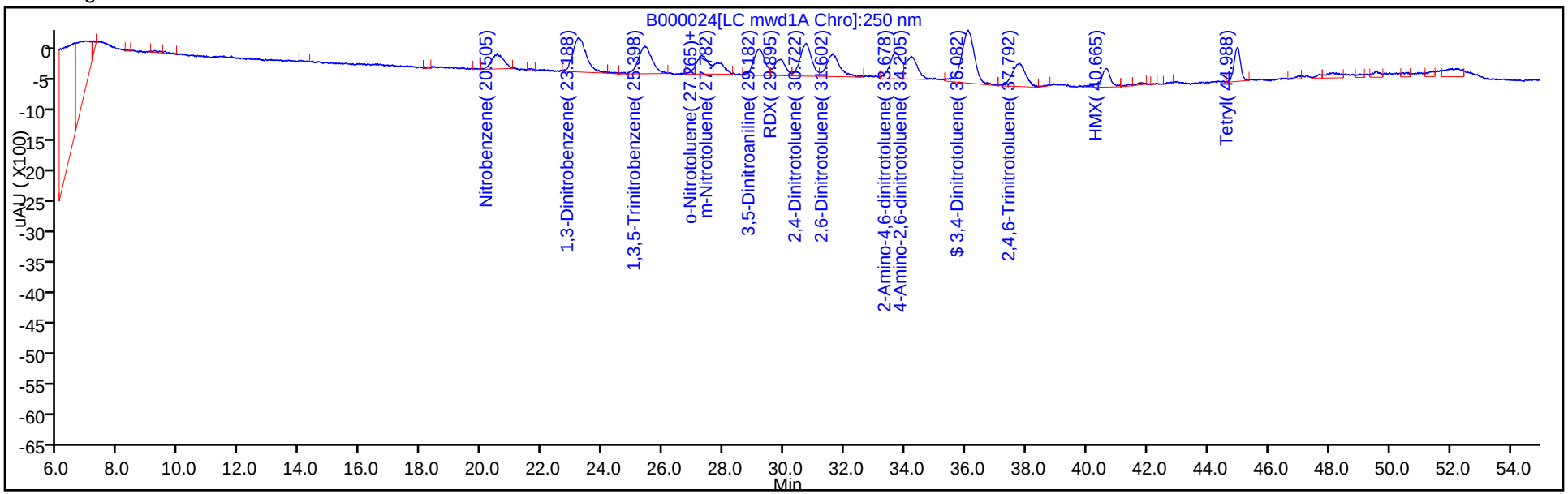
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	40.665	40.665	0.0	299	4.79	
7 Nitroglycerin						
2	42.985	42.985	0.0	1592	18.4	
20 Tetryl						
1	44.988	44.988	0.0	547	4.67	
21 PETN						
2	52.022	52.022	0.0	2677	17.7	

Report Date: 03-Jan-2013 12:51:08 Chrom Revision: 2.1 24-Dec-2012 15:14:58

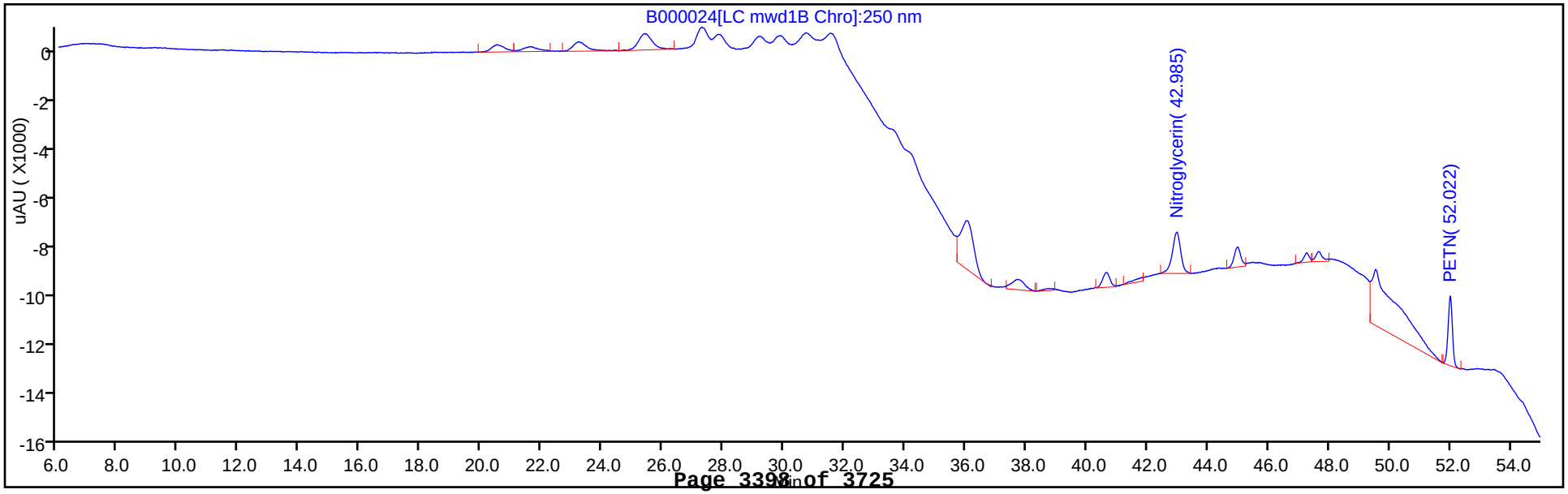
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130102-2037.b\B000024.D		
Injection Date:	03-Jan-2013 11:34:06	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	8144	Lims Sample ID:	18
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-7655/1-A

Matrix: Solid Lab File ID: ZB000060.D

Analysis Method: 8330B Date Collected:

Extraction Method: 8330B Date Extracted: 12/20/2012 09:53

Sample wt/vol: 10.00(g) Date Analyzed: 12/30/2012 00:33

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 8012 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0073
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.018
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.050	U	0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	96		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000060.D		
Lims ID:	MB 320-7655/1-A	Client ID:	
Inject. Date:	30-Dec-2012 00:33:28	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0001996-031		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	34
Lims Batch ID:	8012	Lims Sample ID:	31
Method:	\\SACChrom\ChromData\LC10\20121228-1996.b\8330_LC10.m		
Last Update:	31-Dec-2012 12:46:51	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 31-Dec-2012 12:46:51

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	16.645	16.639	0.006	3372	59.9	
2	16.669	16.642	0.027	6704	64.9	

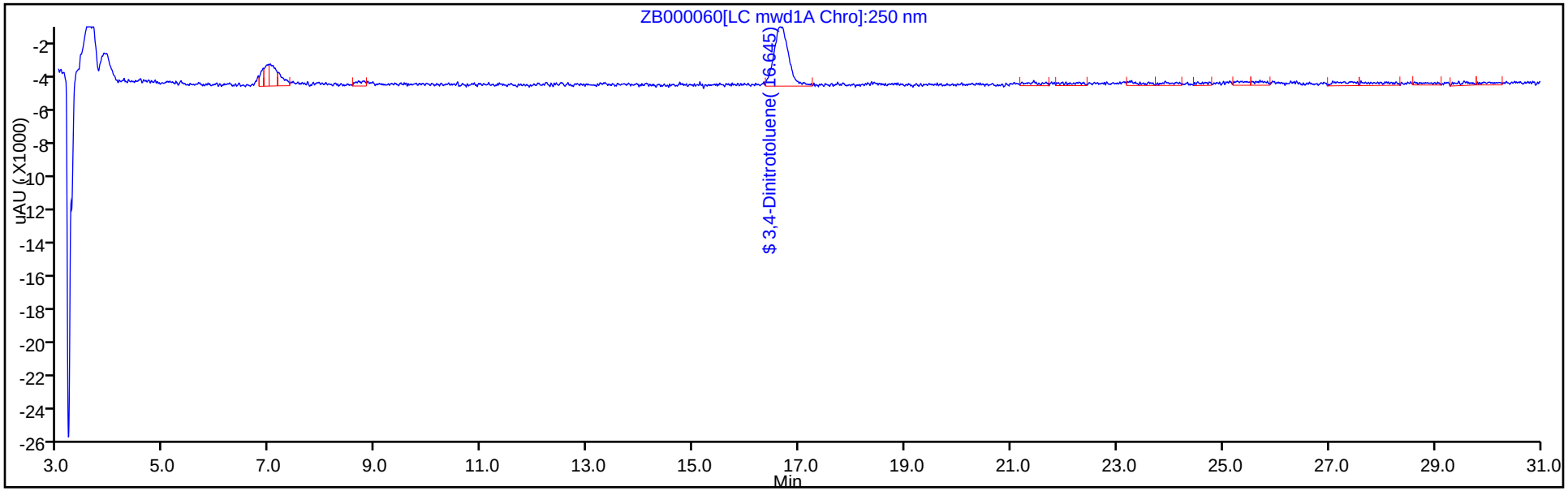
Report Date: 31-Dec-2012 12:46:51 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica West Sacramento

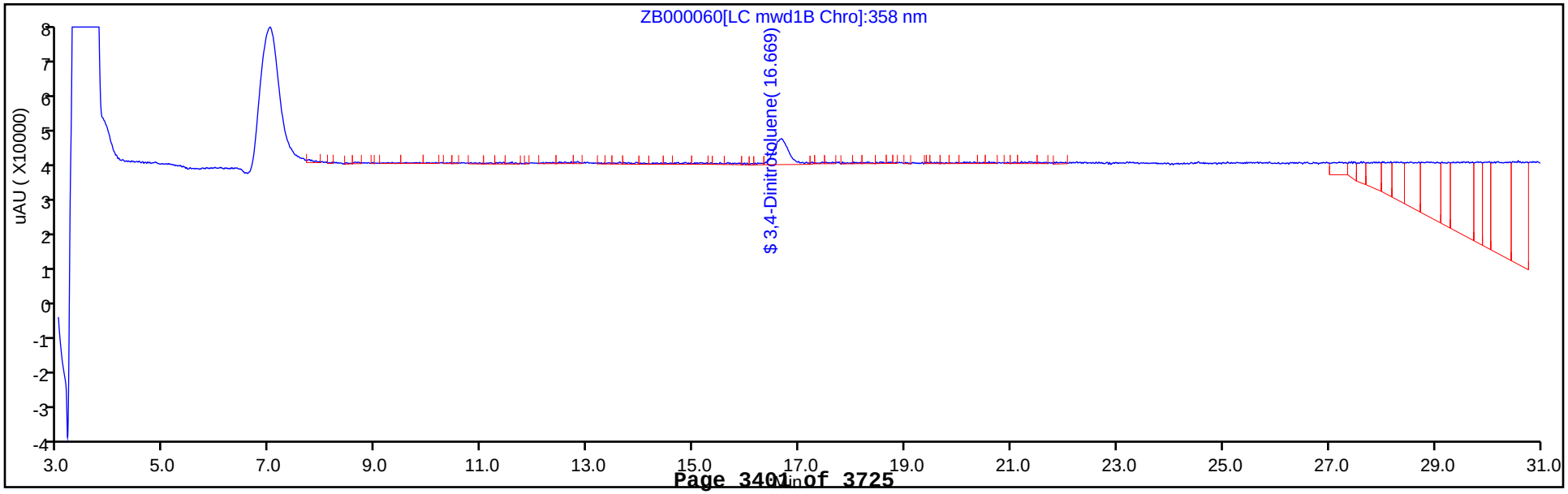
Data File: \\SACChrom\ChromData\LC10\20121228-1996.b\ZB000060.D

Injection Date:	30-Dec-2012 00:33:28	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	31
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-7655/1-A

Matrix: Solid Lab File ID: B000015.D

Analysis Method: 8330B Date Collected:

Extraction Method: 8330B Date Extracted: 12/20/2012 09:53

Sample wt/vol: 10.00(g) Date Analyzed: 01/03/2013 01:44

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 8144 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	88	*M*	78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC12\20130102-2037.b\B000015.D		
Lims ID:	MB 320-7655/1-A	Client ID:	
Inject. Date:	03-Jan-2013 01:44:31	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0002037-015		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC12
Injection Vol:	500.0 ul	ALS Bottle#:	20
Lims Batch ID:	8144	Lims Sample ID:	15
Method:	\\SACChrom\ChromData\LC12\20130102-2037.b\LC12_Conf_8330.m		
Last Update:	03-Jan-2013 07:50:59	Calib Date:	19-Nov-2012 14:12:43
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC12\20121116-1443.b\P000007.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm
Process Host:	XAWRK024		

First Level Reviewer: noonanr Date: 03-Jan-2013 07:48:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
10	2,4,6-Trinitrophenol					
2	0.090	0.109	-0.019	90	0	
1	0.090	0.109	-0.019	81	0	
$ 30	3,4-Dinitrotoluene					M
1	36.143	36.263	-0.120	2654	54.9	M

QC Flag Legend

Review Flags
M - Manually Integrated

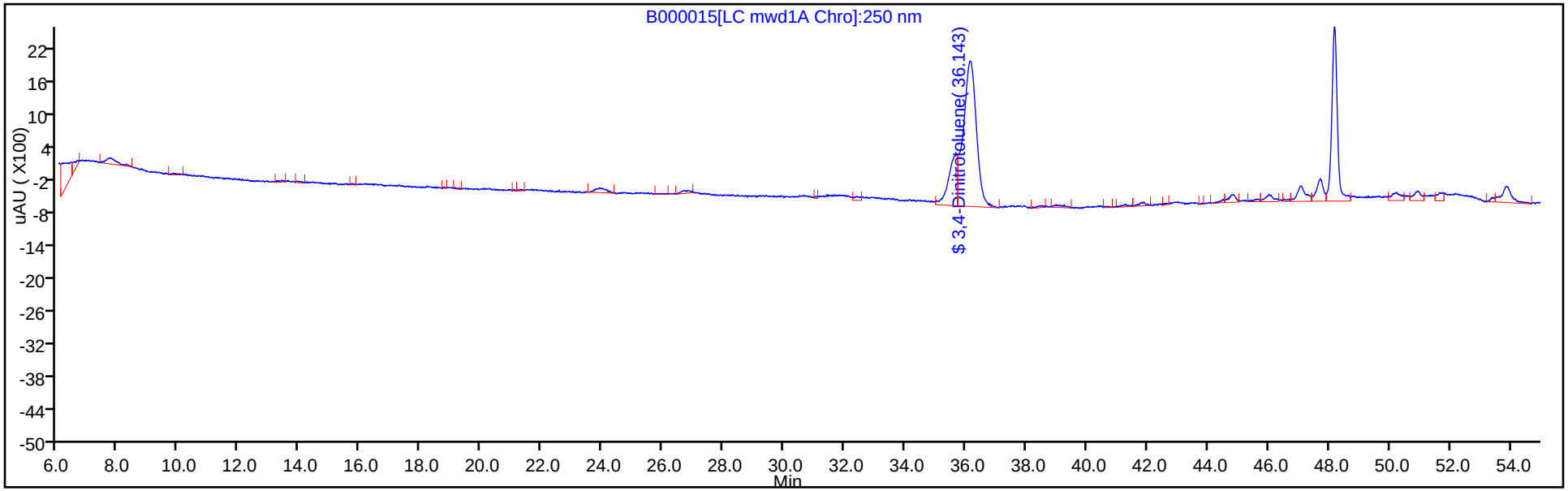
Report Date: 03-Jan-2013 07:50:59 Chrom Revision: 2.1 24-Dec-2012 15:14:58

TestAmerica Sacramento

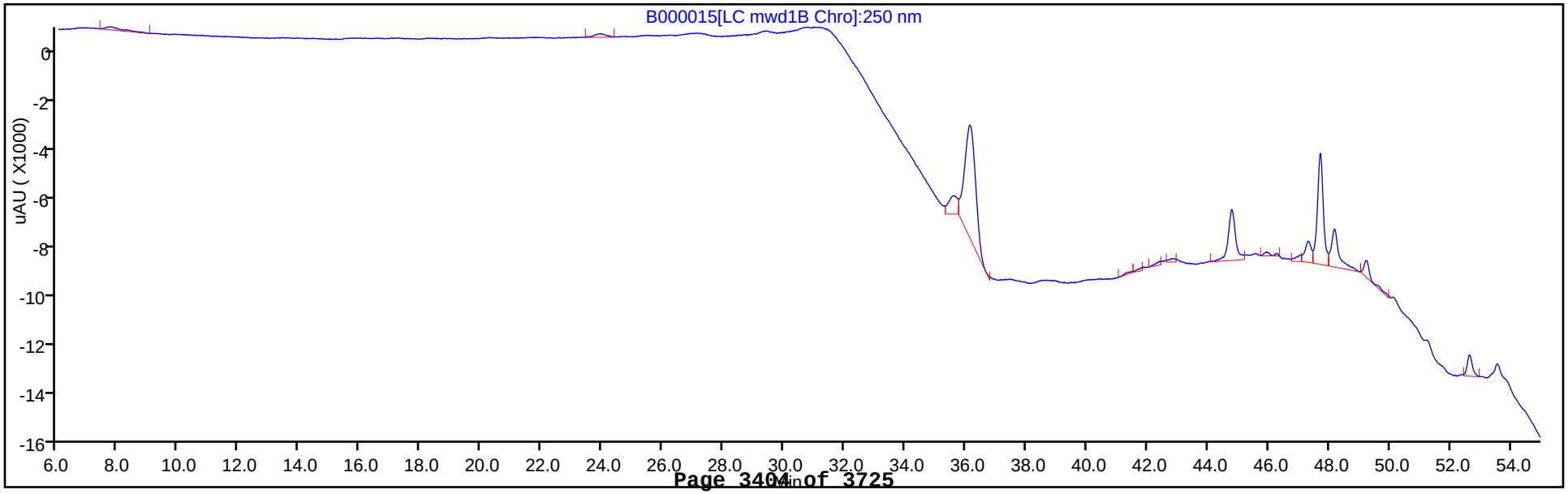
Data File: \\SACChrom\ChromData\LC12\20130102-2037.b\B000015.D

Injection Date:	03-Jan-2013 01:44:31	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	8144	Lims Sample ID:	15
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

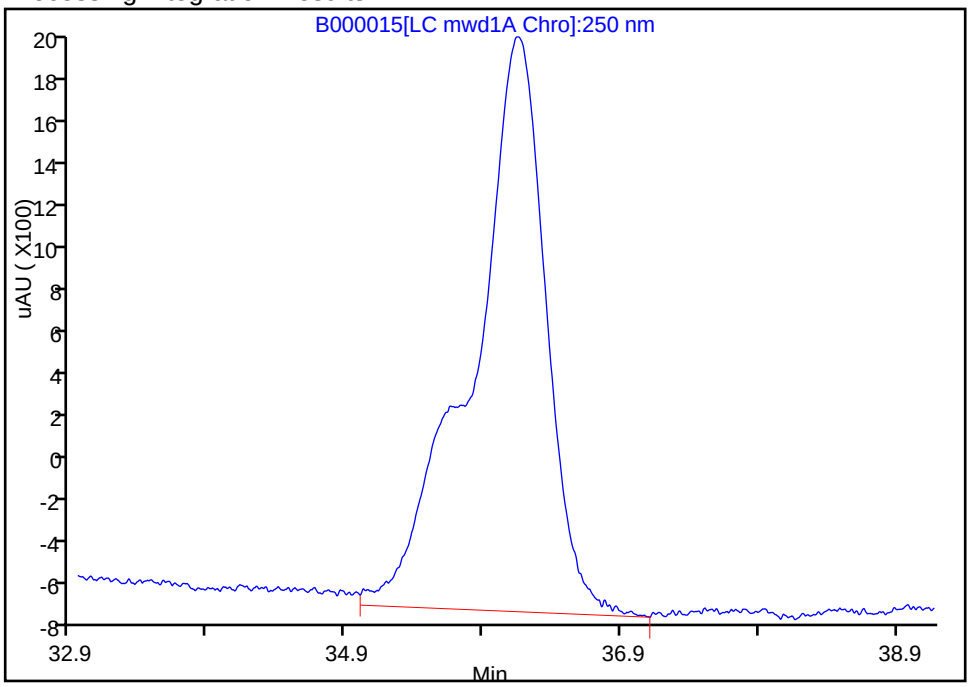
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\LC12\20130102-2037.b\B000015.D		
Injection Date:	03-Jan-2013 01:44:31	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC12
Lims Batch ID:	8144	Lims Sample ID:	15
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Zorbax Cyano CN	Column Dia:	4.60 mm

$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 36.26, Det: LC mwd1A

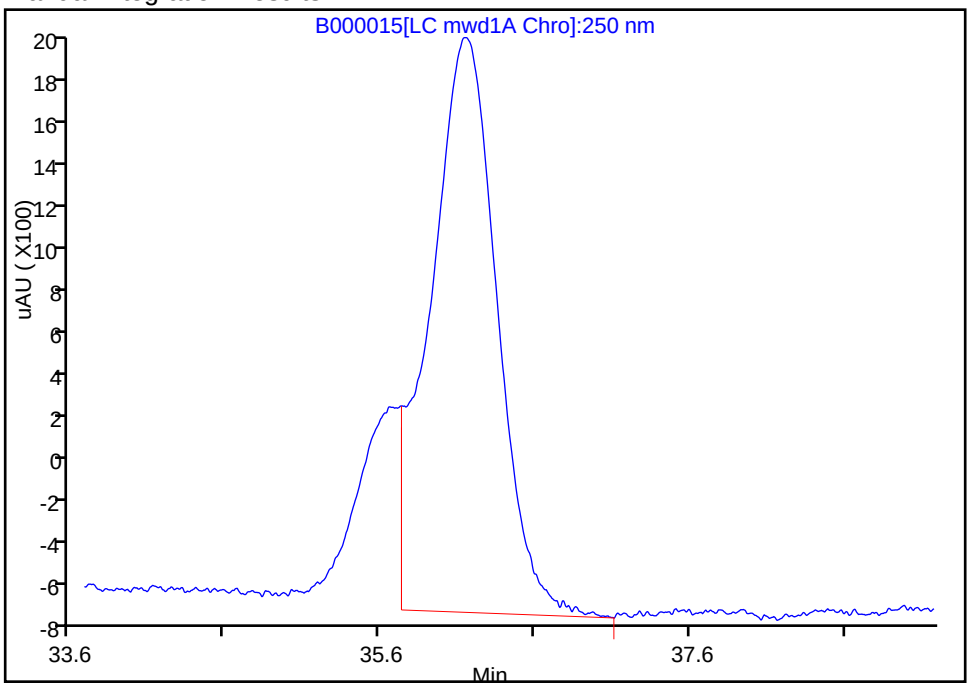
Processing Integration Results

RT: 36.16
Response: 2655
Amount: 54.953727



Manual Integration Results

RT: 36.14
Response: 2654
Amount: 54.933028



Reviewer: noonanr, 03-Jan-2013 07:48:23
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 320-7655/2-A

Matrix: Solid Lab File ID: ZB000061.D

Analysis Method: 8330B Date Collected:

Extraction Method: 8330B Date Extracted: 12/20/2012 09:53

Sample wt/vol: 10.00(g) Date Analyzed: 12/30/2012 01:13

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 8012 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.488		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.506		0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.507		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.496		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.492		0.25	0.050	0.0073
2691-41-0	HMX	0.507		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.499		0.25	0.050	0.018
55-63-0	Nitroglycerin	0.978		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.482		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.479		0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.479		0.25	0.050	0.018
78-11-5	PETN	1.01		0.50	0.25	0.025
121-82-4	RDX	0.503		0.25	0.050	0.012
479-45-8	Tetryl	0.471		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.497		0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.469		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	99		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121228-1996.b\ZB000061.D
Lims ID: LCS 320-7655/2-A Client ID:
Inject. Date: 30-Dec-2012 01:13:36 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 320-0001996-032
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 35
Lims Batch ID: 8012 Lims Sample ID: 32

Method: \\SACChrom\ChromData\LC10\20121228-1996.b\8330_LC10.m
Last Update: 31-Dec-2012 12:47:13 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK005

First Level Reviewer: noonanr Date: 31-Dec-2012 12:47:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.217	5.216	0.001	7971	63.4	
19 RDX						
1	7.500	7.486	0.014	5595	62.9	
27 1,3,5-Trinitrobenzene						
1	9.837	9.796	0.041	10113	62.2	
24 1,3-Dinitrobenzene						
1	12.464	12.379	0.085	10251	63.4	
9 3,5-Dinitroaniline						
1	13.187	13.142	0.045	6494	62.5	
20 Tetryl						
1	13.624	13.472	0.152	5098	58.9	
5 Nitrobenzene						
1	14.214	14.126	0.088	4599	62.4	
7 Nitroglycerin						
2	14.820	14.786	0.034	7932	122.2	
25 2,4,6-Trinitrotoluene						
1	15.730	15.656	0.074	5437	58.6	
26 4-Amino-2,6-dinitrotoluene						
1	16.247	16.146	0.101	4793	63.3	
$ 30 3,4-Dinitrotoluene						
1	16.707	16.639	0.068	3475	61.7	
2	16.720	16.642	0.078	5671	54.9	
6 2-Amino-4,6-dinitrotoluene						
1	17.210	17.082	0.128	5099	61.0	
12 2,6-Dinitrotoluene						
1	18.807	18.696	0.111	3665	61.5	
23 2,4-Dinitrotoluene						
1	19.470	19.356	0.114	5952	62.0	

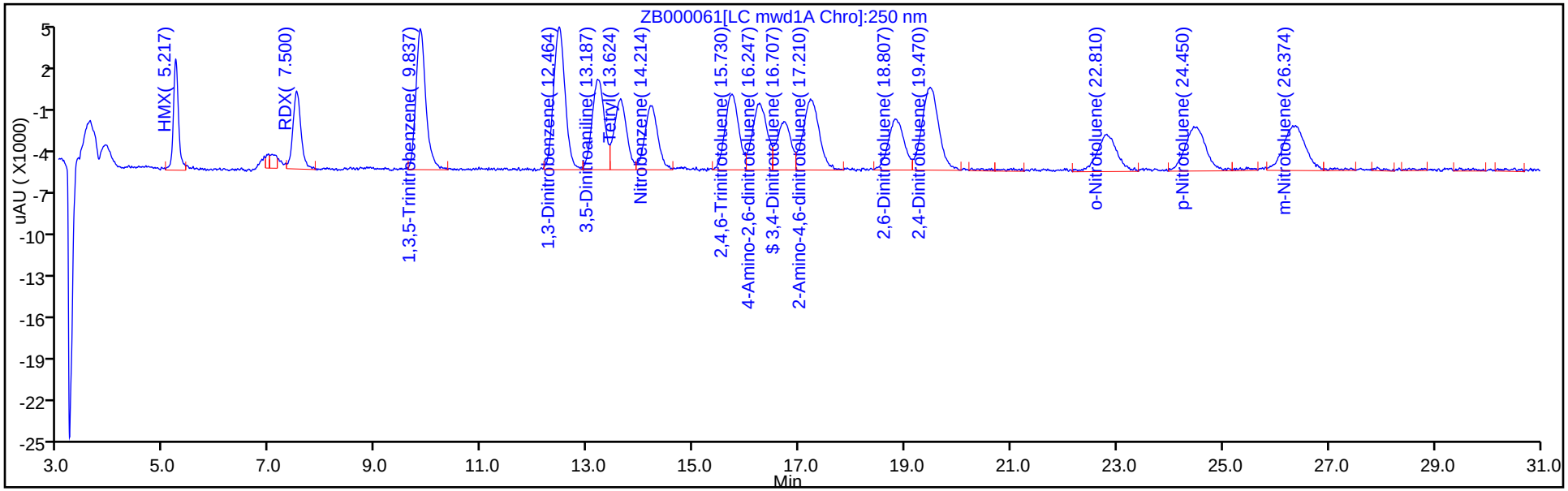
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.810	22.702	0.108	2682	60.2	
15 p-Nitrotoluene						
1	24.450	24.272	0.178	3199	59.9	
8 m-Nitrotoluene						
1	26.374	26.189	0.185	3230	59.9	
21 PETN						
2	28.670	28.482	0.188	4630	126.1	

Report Date: 31-Dec-2012 12:47:13 Chrom Revision: 2.1 24-Dec-2012 15:14:58

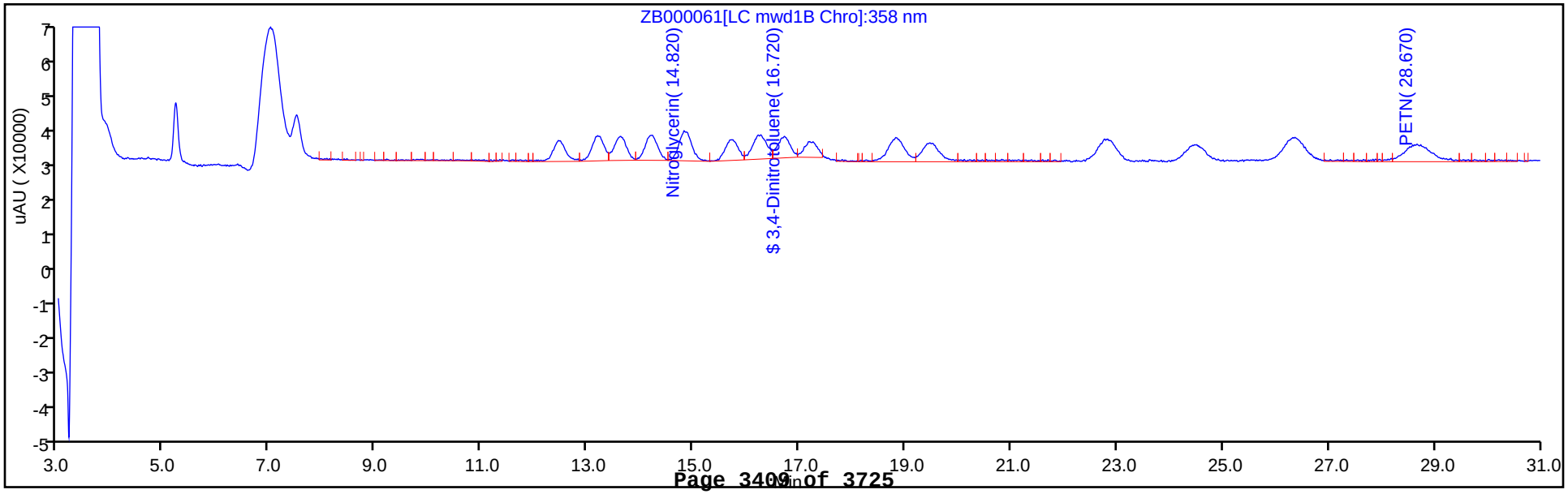
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000061.D		
Injection Date:	30-Dec-2012 01:13:36	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	32
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MS | Lab Sample ID: 240-18581-1 MS

Matrix: Solid | Lab File ID: ZB000063.D

Analysis Method: 8330B | Date Collected: 12/07/2012 11:45

Extraction Method: 8330B | Date Extracted: 12/20/2012 09:53

Sample wt/vol: 10.17(g) | Date Analyzed: 12/30/2012 02:34

Con. Extract Vol.: 80(mL) | Dilution Factor: 1

Injection Volume: 500(uL) | GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 8012 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.501		0.25	0.049	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.582		0.25	0.049	0.0098
99-65-0	1,3-Dinitrobenzene	0.521		0.25	0.049	0.0041
121-14-2	2,4-Dinitrotoluene	0.479		0.25	0.049	0.0052
606-20-2	2,6-Dinitrotoluene	0.501		0.25	0.049	0.0072
2691-41-0	HMX	0.486		0.25	0.049	0.012
98-95-3	Nitrobenzene	0.545		0.25	0.049	0.017
55-63-0	Nitroglycerin	0.958		0.49	0.25	0.015
88-72-2	2-Nitrotoluene	0.490		0.25	0.049	0.013
99-08-1	3-Nitrotoluene	0.495		0.25	0.049	0.015
99-99-0	4-Nitrotoluene	0.493		0.25	0.049	0.018
78-11-5	PETN	0.966		0.49	0.25	0.025
121-82-4	RDX	0.446		0.25	0.049	0.012
479-45-8	Tetryl	0.489		0.25	0.049	0.0098
99-35-4	1,3,5-Trinitrobenzene	0.472		0.25	0.049	0.0098
118-96-7	2,4,6-Trinitrotoluene	0.493		0.25	0.049	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	101		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000063.D		
Lims ID:	240-18581-N-1-G MS	Client ID:	070SB-0042M-0002-SO
Inject. Date:	30-Dec-2012 02:34:14	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	320-0001996-034		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	37
Lims Batch ID:	8012	Lims Sample ID:	34
Method:	\\SACChrom\ChromData\LC10\20121228-1996.b\8330_LC10.m		
Last Update:	31-Dec-2012 12:50:58	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 31-Dec-2012 12:50:58

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.204	5.216	-0.012	7773	61.8	
19 RDX						
1	7.491	7.486	0.005	5049	56.7	
27 1,3,5-Trinitrobenzene						
1	9.821	9.796	0.025	9771	60.1	
24 1,3-Dinitrobenzene						
1	12.434	12.379	0.055	10714	66.3	
9 3,5-Dinitroaniline						
1	13.154	13.142	0.012	6603	63.5	
20 Tetryl						
1	13.578	13.472	0.106	5376	62.1	
5 Nitrobenzene						
1	14.164	14.126	0.038	5106	69.2	
7 Nitroglycerin						
2	14.804	14.786	0.018	7899	121.7	
25 2,4,6-Trinitrotoluene						
1	15.681	15.656	0.025	5810	62.6	
26 4-Amino-2,6-dinitrotoluene						
1	16.208	16.146	0.062	5602	74.0	
$ 30 3,4-Dinitrotoluene						
1	16.628	16.639	-0.011	3568	63.4	
2	16.624	16.642	-0.018	6889	66.7	
6 2-Amino-4,6-dinitrotoluene						
1	17.148	17.082	0.066	5319	63.6	
12 2,6-Dinitrotoluene						
1	18.774	18.696	0.078	3793	63.7	
23 2,4-Dinitrotoluene						
1	19.404	19.356	0.048	5846	60.9	

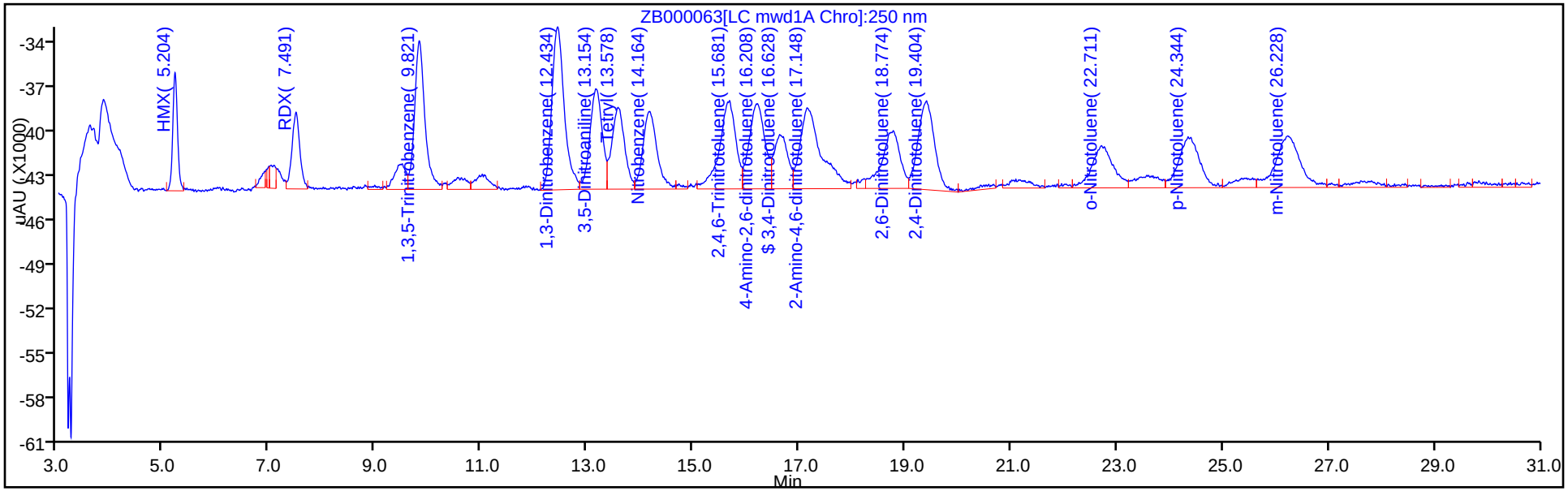
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.711	22.702	0.009	2776	62.3	
15 p-Nitrotoluene						
1	24.344	24.272	0.072	3348	62.7	
8 m-Nitrotoluene						
1	26.228	26.189	0.039	3394	62.9	
21 PETN						
2	28.534	28.482	0.052	4510	122.8	

Report Date: 31-Dec-2012 12:50:58 Chrom Revision: 2.1 24-Dec-2012 15:14:58

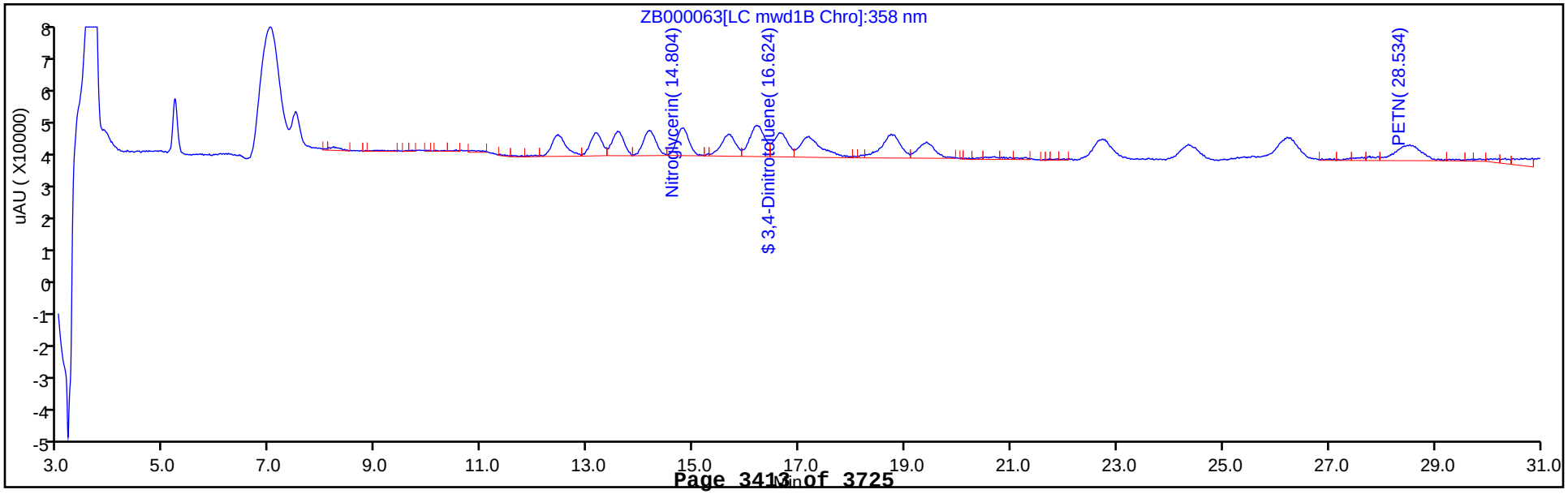
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000063.D		
Injection Date:	30-Dec-2012 02:34:14	Limit Group:	LC 8330B ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	34
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Client Sample ID: 070SB-0042M-0001-SO MSD Lab Sample ID: 240-18581-1 MSD

Matrix: Solid Lab File ID: ZB000064.D

Analysis Method: 8330B Date Collected: 12/07/2012 11:45

Extraction Method: 8330B Date Extracted: 12/20/2012 09:53

Sample wt/vol: 10.02(g) Date Analyzed: 12/30/2012 03:14

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 8012 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.526		0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.609		0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.528		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.493		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.526		0.25	0.050	0.0073
2691-41-0	HMX	0.495		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.566		0.25	0.050	0.018
55-63-0	Nitroglycerin	0.968		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.516		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.524		0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.515		0.25	0.050	0.018
78-11-5	PETN	0.938	M	0.50	0.25	0.025
121-82-4	RDX	0.458		0.25	0.050	0.012
479-45-8	Tetryl	0.499		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.475		0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.509		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	108		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000064.D		
Lims ID:	240-18581-N-1-H MSD	Client ID:	070SB-0042M-0002-SO
Inject. Date:	30-Dec-2012 03:14:34	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	320-0001996-035		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	38
Lims Batch ID:	8012	Lims Sample ID:	35
Method:	\\SACChrom\ChromData\LC10\20121228-1996.b\8330_LC10.m		
Last Update:	31-Dec-2012 12:50:32	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK005		

First Level Reviewer: noonanr Date: 31-Dec-2012 12:50:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.204	5.216	-0.012	7800	62.0	
19 RDX						
1	7.487	7.486	0.001	5105	57.4	
27 1,3,5-Trinitrobenzene						
1	9.821	9.796	0.025	9680	59.5	
24 1,3-Dinitrobenzene						
1	12.444	12.379	0.065	10700	66.2	
9 3,5-Dinitroaniline						
1	13.164	13.142	0.022	6737	64.8	
20 Tetryl						
1	13.581	13.472	0.109	5412	62.5	
5 Nitrobenzene						
1	14.191	14.126	0.065	5224	70.8	
7 Nitroglycerin						
2	14.774	14.786	-0.012	7870	121.3	
25 2,4,6-Trinitrotoluene						
1	15.657	15.656	0.001	5919	63.8	
26 4-Amino-2,6-dinitrotoluene						
1	16.214	16.146	0.068	5772	76.2	
$ 30 3,4-Dinitrotoluene						
1	16.651	16.639	0.012	3814	67.7	
2	16.661	16.642	0.019	7041	68.1	
6 2-Amino-4,6-dinitrotoluene						
1	17.174	17.082	0.092	5507	65.9	
12 2,6-Dinitrotoluene						
1	18.774	18.696	0.078	3922	65.8	
23 2,4-Dinitrotoluene						
1	19.407	19.356	0.051	5929	61.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.704	22.702	0.002	2881	64.7	
15 p-Nitrotoluene						
1	24.394	24.272	0.122	3444	64.5	
8 m-Nitrotoluene						
1	26.234	26.189	0.045	3540	65.6	
21 PETN						M
2	28.541	28.482	0.059	4313	117.4	M

QC Flag Legend

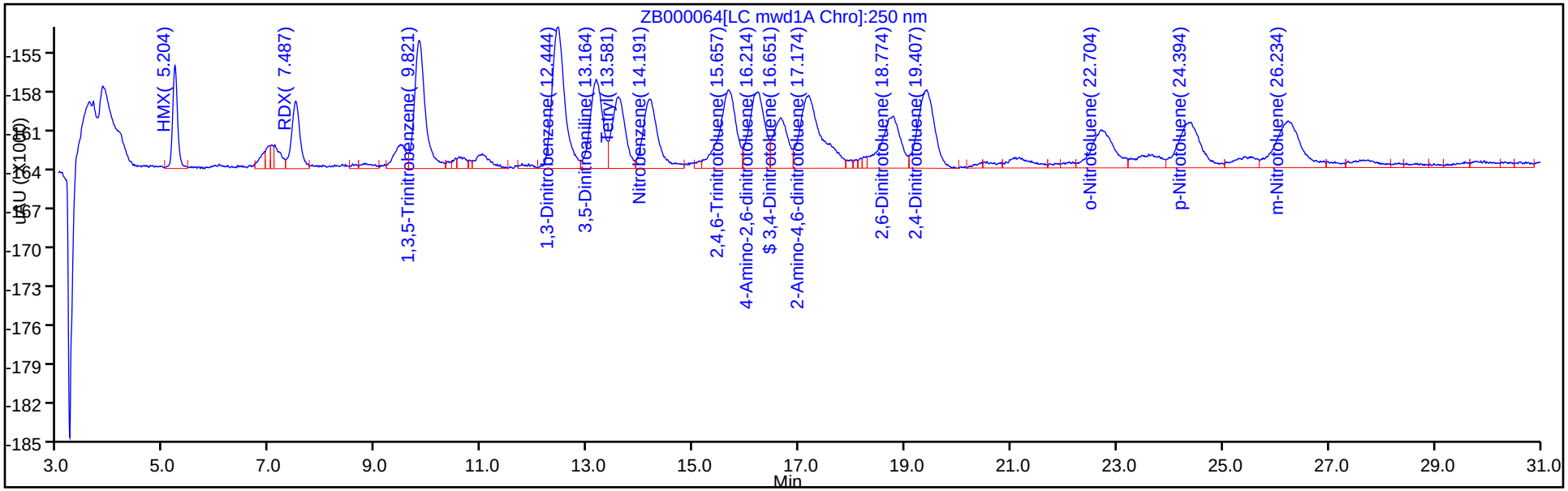
Review Flags
M - Manually Integrated

Report Date: 31-Dec-2012 12:50:32 Chrom Revision: 2.1 24-Dec-2012 15:14:58

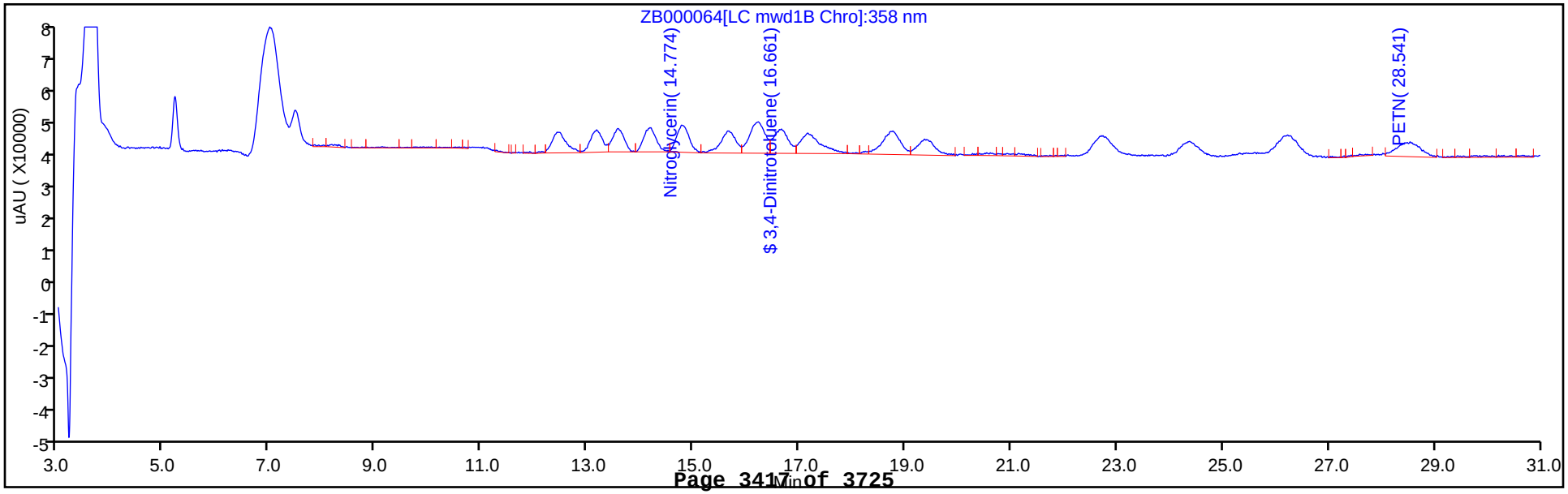
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000064.D		
Injection Date:	30-Dec-2012 03:14:34	Limit Group:	LC 8330B ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	35
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

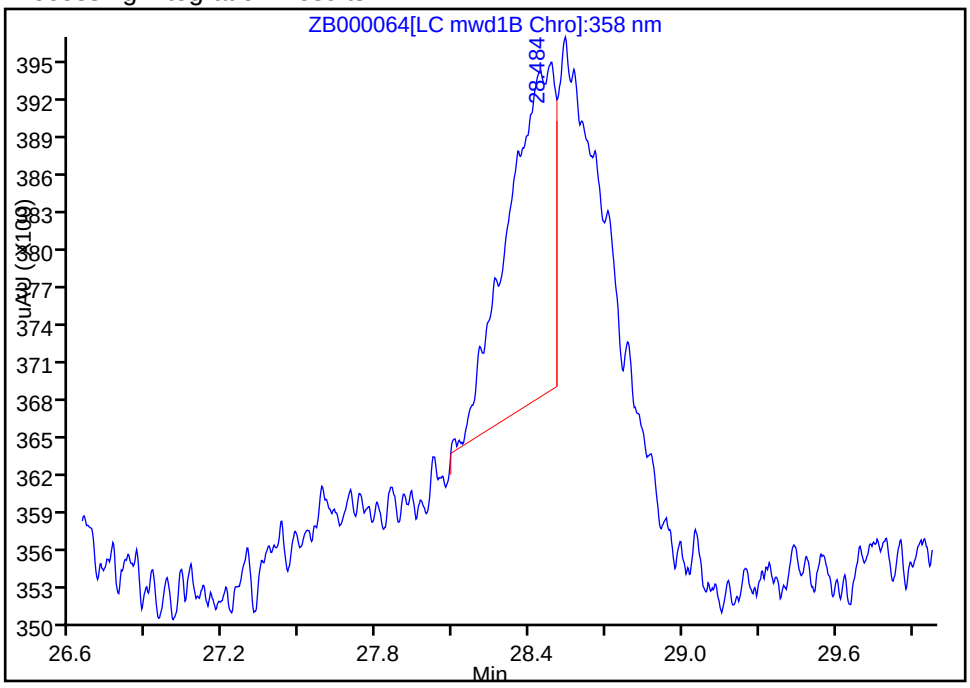
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121228-1996.b\ZB000064.D		
Injection Date:	30-Dec-2012 03:14:34	Limit Group:	LC 8330B ICAL
Client ID:	070SB-0042M-0002-SO	Instrument ID:	LC10
Lims Batch ID:	8012	Lims Sample ID:	35
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.48, Det: LC mwd1B

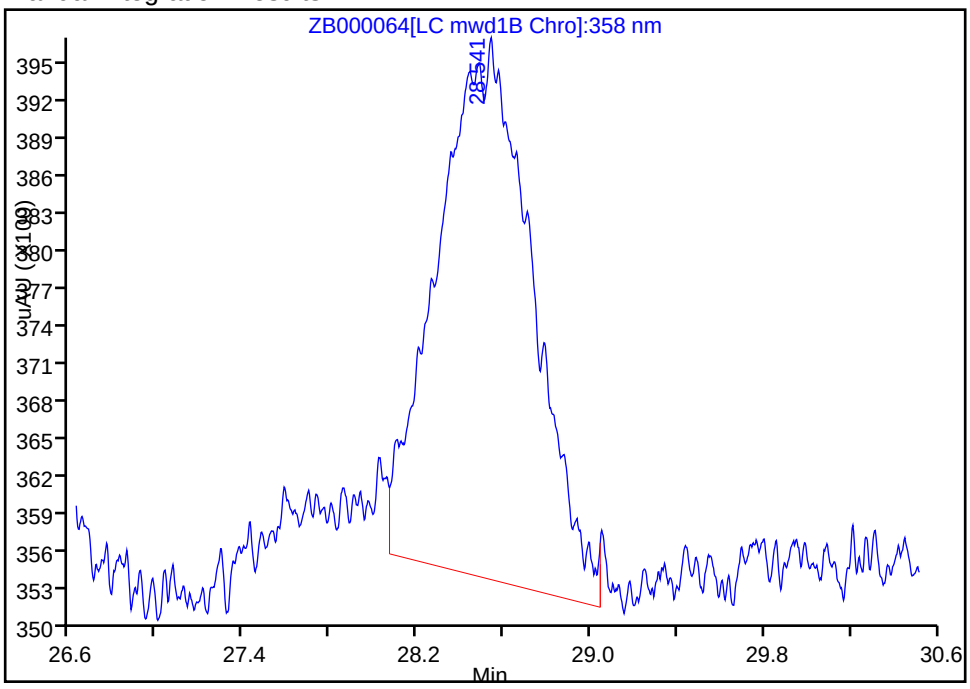
Processing Integration Results

RT: 28.48
Response: 2610
Amount: 71.069399



Manual Integration Results

RT: 28.54
Response: 4313
Amount: 117.4415



Reviewer: noonanr, 31-Dec-2012 12:50:32
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: LC10 Start Date: 09/01/2012 11:10

Analysis Batch Number: 3377 End Date: 09/01/2012 19:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/01/2012 11:10	1		Synergi C18 4.6(mm)
STD01 320-3377/2 IC		09/01/2012 11:50	1	A-000006.D	Synergi C18 4.6(mm)
STD02 320-3377/3 IC		09/01/2012 12:30	1	A-000007.D	Synergi C18 4.6(mm)
STD03 320-3377/4 IC		09/01/2012 13:10	1	A-000008.D	Synergi C18 4.6(mm)
STD04 320-3377/5 IC		09/01/2012 13:50	1	A-000009.D	Synergi C18 4.6(mm)
STD05 320-3377/6 IC		09/01/2012 14:30	1	A-000010.D	Synergi C18 4.6(mm)
STD06 320-3377/7 IC		09/01/2012 15:10	1	A-000011.D	Synergi C18 4.6(mm)
STD07 320-3377/8 IC		09/01/2012 15:50	1	A-000012.D	Synergi C18 4.6(mm)
STD08 320-3377/9 IC		09/01/2012 16:31	1	A-000013.D	Synergi C18 4.6(mm)
ZZZZZ		09/01/2012 17:10	1		Synergi C18 4.6(mm)
ICV 320-3377/11		09/01/2012 17:51	1	A-000015.D	Synergi C18 4.6(mm)
ICV 320-3377/12		09/01/2012 18:31	1		
LODV 320-3377/13		09/01/2012 19:11	1	A-000017.D	Synergi C18 4.6(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: LC10 Start Date: 12/29/2012 23:13

Analysis Batch Number: 8012 End Date: 12/30/2012 05:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-8012/67 CCVRT		12/29/2012 23:13	1	ZB000058.D	Synergi C18 4.6(mm)
CCVL 320-8012/30		12/29/2012 23:53	1	ZB000059.D	Synergi C18 4.6(mm)
MB 320-7655/1-A		12/30/2012 00:33	1	ZB000060.D	Synergi C18 4.6(mm)
LCS 320-7655/2-A		12/30/2012 01:13	1	ZB000061.D	Synergi C18 4.6(mm)
240-18581-1	070SB-0042M-0001-SO	12/30/2012 01:53	1	ZB000062.D	Synergi C18 4.6(mm)
240-18581-1 MS	070SB-0042M-0001-SO MS	12/30/2012 02:34	1	ZB000063.D	Synergi C18 4.6(mm)
240-18581-1 MSD	070SB-0042M-0001-SO MSD	12/30/2012 03:14	1	ZB000064.D	Synergi C18 4.6(mm)
240-18581-3	070SB-044M-0001-SO	12/30/2012 03:54	1	ZB000065.D	Synergi C18 4.6(mm)
240-18581-5	070SB-046M-0001-SO	12/30/2012 04:35	1	ZB000066.D	Synergi C18 4.6(mm)
CCV 320-8012/38 CCVRT		12/30/2012 05:15	1	ZB000067.D	Synergi C18 4.6(mm)
CCVL 320-8012/39		12/30/2012 05:55	1	ZB000068.D	Synergi C18 4.6(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: LC12 Start Date: 10/01/2012 12:30

Analysis Batch Number: 4221 End Date: 10/03/2012 00:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD01 320-4221/2 IC		10/01/2012 12:30	1	C-000004.D	Zorbax CN 4.6(mm)
STD02 320-4221/3 IC		10/01/2012 13:36	1	C-000005.D	Zorbax CN 4.6(mm)
STD03 320-4221/4 IC		10/01/2012 14:41	1	C-000006.D	Zorbax CN 4.6(mm)
STD04 320-4221/5 IC		10/01/2012 15:46	1	C-000007.D	Zorbax CN 4.6(mm)
STD05 320-4221/6 IC		10/01/2012 16:52	1	C-000008.D	Zorbax CN 4.6(mm)
STD06 320-4221/7 IC		10/01/2012 17:57	1	C-000009.D	Zorbax CN 4.6(mm)
STD07 320-4221/8 IC		10/01/2012 19:03	1	C-000010.D	Zorbax CN 4.6(mm)
STD08 320-4221/9 IC		10/01/2012 20:08	1	C-000011.D	Zorbax CN 4.6(mm)
ZZZZZ		10/01/2012 21:13	1		Zorbax CN 4.6(mm)
ZZZZZ		10/01/2012 22:19	1		Zorbax CN 4.6(mm)
ICV 320-4221/12		10/01/2012 23:24	1	C-000014.D	Zorbax CN 4.6(mm)
LODV 320-4221/13		10/02/2012 00:29	1	C-000015.D	Zorbax CN 4.6(mm)
CCV 320-4221/22		10/02/2012 10:17	1		Zorbax CN 4.6(mm)
CCV 320-4221/32		10/02/2012 21:11	1		Zorbax CN 4.6(mm)
CCV 320-4221/35		10/03/2012 00:27	1		Zorbax CN 4.6(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: LC12 Start Date: 01/02/2013 12:39

Analysis Batch Number: 8144 End Date: 01/04/2013 05:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-8144/3 CCVRT		01/02/2013 12:39	1		Zorbax CN 4.6(mm)
CCV 320-8144/13 CCVRT		01/02/2013 23:33	1	B000013.D	Zorbax CN 4.6(mm)
CCVL 320-8144/14		01/03/2013 00:39	1	B000014.D	Zorbax CN 4.6(mm)
MB 320-7655/1-A		01/03/2013 01:44	1	B000015.D	Zorbax CN 4.6(mm)
240-18581-1	070SB-0042M-0001-SO	01/03/2013 02:50	1	B000016.D	Zorbax CN 4.6(mm)
CCV 320-8144/17 CCVRT		01/03/2013 10:28	1	B000023.D	Zorbax CN 4.6(mm)
CCVL 320-8144/18		01/03/2013 11:34	1	B000024.D	Zorbax CN 4.6(mm)
CCV 320-8144/33 CCVRT		01/03/2013 21:22	1		Zorbax CN 4.6(mm)
CCV 320-8144/40 CCVRT		01/04/2013 05:01	1		Zorbax CN 4.6(mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Batch Number: 7655 Batch Start Date: 12/20/12 09:53 Batch Analyst: Phan, Tuan

Batch Method: 8330B Batch End Date: 12/24/12 14:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HP34DNTSU 00008	HP8330SP 00011	HPNGPETNSP 00001	
MB 320-7655/1		8330B, 8330B		10.00 g	80 mL	100 uL			
LCS 320-7655/2		8330B, 8330B		10.00 g	80 mL	100 uL	100 uL	200 uL	
240-18581-N-1	070SB-0042M-0001-SO	8330B, 8330B	T	10.32 g	80 mL	100 uL			
240-18581-N-1 MS	070SB-0042M-0001-SO	8330B, 8330B	T	10.17 g	80 mL	100 uL	100 uL	200 uL	
240-18581-N-1 MSD	070SB-0042M-0001-SO	8330B, 8330B	T	10.02 g	80 mL	100 uL	100 uL	200 uL	
240-18581-N-3	070SB-044M-0001-SO	8330B, 8330B	T	10.41 g	80 mL	100 uL			
240-18581-L-5	070SB-046M-0001-SO	8330B, 8330B	T	10.05 g	80 mL	100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Batch Number: 7655 Batch Start Date: 12/20/12 09:53 Batch Analyst: Phan, Tuan

Batch Method: 8330B Batch End Date: 12/24/12 14:30

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	CACL2_00004
Person's name who did the concentration	TP
Date of Clean up	12/24/12
Analyst performed Clean Up	TP
Date Dilution Performed	12/24/12
Analytst performing Dilution	TP
Filter Lot #	MILLIPORE R2DA02309A
Filter Type	0.45uM
Minumum Temperature	0
Prep Solvent Volume Used	20 mL
Person's name who witnessed reagent drop	HA
Blank Sand Lot #	FISHER 120571
Solvent Lot #	HPHOAC/ACN_00003
Solvent Name	0.1%HOAC/ACN
Sonication Start Time	12/20/12 10:30
Sonication Stop Time	12/21/12 4:30
SOP Number	WS-LC-0009
Maximum Temperature	35

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-18581-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
070SB-0042M-0001-SO	240-18581-1
070SB-044M-0001-SO	240-18581-3
070SB-046M-0001-SO	240-18581-5
070SB-047M-0001-SO	240-18581-6
072SB-0056-0001-SO	240-18581-7
072SB-0057-0001-SO	240-18581-8
072SB-0058-0001-SO	240-18581-9
072SB-0059-0001-SO	240-18581-10
072SB-0060-0001-SO	240-18581-11
072SB-0070-0001-SO	240-18581-13
072SB-0071-0001-SO	240-18581-14
072SB-0072-0001-SO	240-18581-15
072SB-0073-0001-SO	240-18581-16
070SS-0048M-0001-SO	240-18581-17
070SB-0049M-0001-SO	240-18581-18
070SB-0050M-0001-SO	240-18581-19
070SB-0051M-0001-SO	240-18581-20
070SB-0052M-0001-SO	240-18581-21
070SB-0053M-0001-SO	240-18581-22
070SB-0054M-0001-SO	240-18581-23

Comments:

COVER PAGE
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-18581-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
070SB-0042M-0001-SO	240-18581-1
070SB-044M-0001-SO	240-18581-3
070SB-046M-0001-SO	240-18581-5
070SB-047M-0001-SO	240-18581-6
072SB-0056-0001-SO	240-18581-7
072SB-0057-0001-SO	240-18581-8
072SB-0058-0001-SO	240-18581-9
072SB-0059-0001-SO	240-18581-10
072SB-0060-0001-SO	240-18581-11
072SB-0070-0001-SO	240-18581-13
072SB-0071-0001-SO	240-18581-14
072SB-0072-0001-SO	240-18581-15
072SB-0073-0001-SO	240-18581-16
070SS-0048M-0001-SO	240-18581-17
070SB-0049M-0001-SO	240-18581-18
070SB-0050M-0001-SO	240-18581-19
070SB-0051M-0001-SO	240-18581-20
070SB-0052M-0001-SO	240-18581-21
070SB-0053M-0001-SO	240-18581-22
070SB-0054M-0001-SO	240-18581-23

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0042M-0001-SO
Lab Sample ID: 240-18581-1
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 11:45
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.018	0.095	0.031	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-044M-0001-SO
Lab Sample ID: 240-18581-3
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 11:15
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.017	0.11	0.037	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-046M-0001-SO
Lab Sample ID: 240-18581-5
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:50
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.018	0.088	0.029	0.012	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-047M-0001-SO
Lab Sample ID: 240-18581-6
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:50
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.021	0.091	0.030	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0056-0001-SO
Lab Sample ID: 240-18581-7
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 13:04
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 87.7

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.018	0.13	0.043	0.018	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0057-0001-SO
Lab Sample ID: 240-18581-8
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 13:25
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 87.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.018	0.11	0.037	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0058-0001-SO
Lab Sample ID: 240-18581-9
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 13:35
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 88.8

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.020	0.13	0.043	0.018	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0059-0001-SO
Lab Sample ID: 240-18581-10
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 13:37
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 89.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.019	0.12	0.040	0.017	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0060-0001-SO
Lab Sample ID: 240-18581-11
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 13:45
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 90.3

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.017	0.11	0.035	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0070-0001-SO
Lab Sample ID: 240-18581-13
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 14:20
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 89.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.016	0.12	0.038	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0071-0001-SO
Lab Sample ID: 240-18581-14
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 14:40
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 88.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.017	0.11	0.036	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0072-0001-SO
Lab Sample ID: 240-18581-15
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 14:55
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 86.3

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.045	0.14	0.045	0.019	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0073-0001-SO
Lab Sample ID: 240-18581-16
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 15:05
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 87.3

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.037	0.11	0.037	0.016	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SS-0048M-0001-SO
Lab Sample ID: 240-18581-17
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:22
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.031	0.095	0.031	0.013	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0049M-0001-SO
Lab Sample ID: 240-18581-18
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:22
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.030	0.091	0.030	0.013	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0050M-0001-SO
Lab Sample ID: 240-18581-19
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 09:25
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.032	0.098	0.032	0.014	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0051M-0001-SO
Lab Sample ID: 240-18581-20
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 09:45
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.037	0.11	0.037	0.016	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0052M-0001-SO
Lab Sample ID: 240-18581-21
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:00
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.033	0.10	0.033	0.014	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0053M-0001-SO
Lab Sample ID: 240-18581-22
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:18
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.031	0.094	0.031	0.013	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0054M-0001-SO
Lab Sample ID: 240-18581-23
Lab Name: TestAmerica Canton
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:25
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.033	0.10	0.033	0.014	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0042M-0001-SO
Lab Sample ID: 240-18581-1
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 11:45
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.033	0.097	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	12000	2.9	0.58	0.28	mg/Kg			1	6020/DOD
Arsenic	9.6	0.097	0.049	0.018	mg/Kg			1	6020/DOD
Barium	93	0.97	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.69	0.097	0.0097	0.0073	mg/Kg			1	6020/DOD
Calcium	7000	9.7	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.21	0.097	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	17	0.19	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	13	0.049	0.0097	0.0023	mg/Kg		Q	1	6020/DOD
Copper	19	0.19	0.058	0.032	mg/Kg		Q	1	6020/DOD
Iron	27000	4.9	1.9	1.0	mg/Kg		B	1	6020/DOD
Magnesium	4100	9.7	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	510	0.49	0.029	0.015	mg/Kg			1	6020/DOD
Sodium	60	9.7	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	26	0.097	0.029	0.011	mg/Kg			1	6020/DOD
Lead	14	0.097	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.097	0.19	0.097	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.16	0.097	0.019	0.0099	mg/Kg			1	6020/DOD
Vanadium	19	0.097	0.058	0.029	mg/Kg			1	6020/DOD
Zinc	57	0.49	0.19	0.063	mg/Kg		Q	1	6020/DOD
Potassium	1100	9.7	5.8	3.1	mg/Kg			1	6020/DOD
Selenium	0.54	0.49	0.097	0.049	mg/Kg		Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-044M-0001-SO
Lab Sample ID: 240-18581-3
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 11:15
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.023	0.098	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	10000	2.9	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	7.7	0.098	0.049	0.018	mg/Kg			1	6020/DOD
Barium	64	0.98	0.020	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.68	0.098	0.0098	0.0074	mg/Kg			1	6020/DOD
Calcium	7000	9.8	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.19	0.098	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.20	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	8.2	0.049	0.0098	0.0024	mg/Kg		Q	1	6020/DOD
Copper	15	0.20	0.059	0.032	mg/Kg		Q	1	6020/DOD
Iron	20000	4.9	2.0	1.1	mg/Kg		B	1	6020/DOD
Magnesium	3400	9.8	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	340	0.49	0.029	0.016	mg/Kg			1	6020/DOD
Sodium	89	9.8	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	19	0.098	0.029	0.011	mg/Kg			1	6020/DOD
Lead	12	0.098	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.098	0.20	0.098	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.13	0.098	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	14	0.098	0.059	0.029	mg/Kg			1	6020/DOD
Zinc	44	0.49	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	800	9.8	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.47	0.49	0.098	0.050	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-046M-0001-SO
Lab Sample ID: 240-18581-5
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:50
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.026	0.097	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	6900	2.9	0.58	0.28	mg/Kg			1	6020/DOD
Arsenic	7.8	0.097	0.049	0.018	mg/Kg			1	6020/DOD
Barium	39	0.97	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.35	0.097	0.0097	0.0073	mg/Kg			1	6020/DOD
Calcium	1600	9.7	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.15	0.097	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	9.8	0.19	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	5.5	0.049	0.0097	0.0023	mg/Kg		Q	1	6020/DOD
Copper	14	0.19	0.058	0.032	mg/Kg		Q	1	6020/DOD
Iron	16000	4.9	1.9	1.0	mg/Kg		B	1	6020/DOD
Magnesium	1700	9.7	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	220	0.49	0.029	0.015	mg/Kg			1	6020/DOD
Sodium	69	9.7	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	12	0.097	0.029	0.011	mg/Kg			1	6020/DOD
Lead	12	0.097	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.097	0.19	0.097	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.098	0.097	0.019	0.0099	mg/Kg			1	6020/DOD
Vanadium	12	0.097	0.058	0.029	mg/Kg			1	6020/DOD
Zinc	37	0.49	0.19	0.063	mg/Kg		Q	1	6020/DOD
Potassium	630	9.7	5.8	3.1	mg/Kg			1	6020/DOD
Selenium	0.31	0.49	0.097	0.049	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-047M-0001-SO
Lab Sample ID: 240-18581-6
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:50
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.029	0.10	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	9700	3.0	0.60	0.28	mg/Kg			1	6020/DOD
Arsenic	8.1	0.10	0.050	0.018	mg/Kg			1	6020/DOD
Barium	55	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.49	0.10	0.010	0.0075	mg/Kg			1	6020/DOD
Calcium	1500	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.17	0.10	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	7.6	0.050	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	16	0.20	0.060	0.033	mg/Kg		Q	1	6020/DOD
Iron	20000	5.0	2.0	1.1	mg/Kg		B	1	6020/DOD
Magnesium	2500	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	270	0.50	0.030	0.016	mg/Kg			1	6020/DOD
Sodium	91	10	5.0	2.7	mg/Kg			1	6020/DOD
Nickel	17	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	14	0.10	0.030	0.015	mg/Kg			1	6020/DOD
Antimony	0.10	0.20	0.10	0.046	mg/Kg	U		1	6020/DOD
Thallium	0.13	0.10	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	16	0.10	0.060	0.030	mg/Kg			1	6020/DOD
Zinc	45	0.50	0.20	0.065	mg/Kg		Q	1	6020/DOD
Potassium	850	10	6.0	3.2	mg/Kg			1	6020/DOD
Selenium	0.40	0.50	0.10	0.051	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0056-0001-SO
Lab Sample ID: 240-18581-7
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 13:04
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 87.7

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.039	0.094	0.028	0.011	mg/Kg	J		1	6020/DOD
Aluminum	14000	2.8	0.57	0.27	mg/Kg			1	6020/DOD
Arsenic	11	0.094	0.047	0.017	mg/Kg			1	6020/DOD
Barium	150	0.94	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.74	0.094	0.0094	0.0071	mg/Kg			1	6020/DOD
Calcium	2100	9.4	2.4	1.2	mg/Kg			1	6020/DOD
Cadmium	0.24	0.094	0.028	0.012	mg/Kg			1	6020/DOD
Chromium	20	0.19	0.038	0.021	mg/Kg			1	6020/DOD
Cobalt	11	0.047	0.0094	0.0023	mg/Kg		Q	1	6020/DOD
Copper	18	0.19	0.057	0.031	mg/Kg		Q	1	6020/DOD
Iron	27000	4.7	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	4800	9.4	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	300	0.47	0.028	0.015	mg/Kg			1	6020/DOD
Sodium	110	9.4	4.7	2.5	mg/Kg			1	6020/DOD
Nickel	42	0.094	0.028	0.011	mg/Kg			1	6020/DOD
Lead	13	0.094	0.028	0.015	mg/Kg			1	6020/DOD
Antimony	0.078	0.19	0.094	0.043	mg/Kg	J		1	6020/DOD
Thallium	0.17	0.094	0.019	0.0096	mg/Kg			1	6020/DOD
Vanadium	21	0.094	0.057	0.028	mg/Kg			1	6020/DOD
Zinc	57	0.47	0.19	0.061	mg/Kg		Q	1	6020/DOD
Potassium	1500	9.4	5.7	3.0	mg/Kg			1	6020/DOD
Selenium	0.44	0.47	0.094	0.048	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0057-0001-SO
Lab Sample ID: 240-18581-8
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 13:25
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 87.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.030	0.11	0.033	0.012	mg/Kg	J		1	6020/DOD
Aluminum	9600	3.3	0.65	0.31	mg/Kg			1	6020/DOD
Arsenic	12	0.11	0.054	0.020	mg/Kg			1	6020/DOD
Barium	41	1.1	0.022	0.012	mg/Kg		Q	1	6020/DOD
Beryllium	0.51	0.11	0.011	0.0081	mg/Kg			1	6020/DOD
Calcium	8200	11	2.7	1.4	mg/Kg			1	6020/DOD
Cadmium	0.18	0.11	0.033	0.014	mg/Kg			1	6020/DOD
Chromium	15	0.22	0.043	0.024	mg/Kg			1	6020/DOD
Cobalt	10	0.054	0.011	0.0026	mg/Kg		Q	1	6020/DOD
Copper	17	0.22	0.065	0.036	mg/Kg		Q	1	6020/DOD
Iron	24000	5.4	2.2	1.2	mg/Kg			1	6020/DOD
Magnesium	4400	11	2.2	1.2	mg/Kg			1	6020/DOD
Manganese	340	0.54	0.033	0.017	mg/Kg			1	6020/DOD
Sodium	58	11	5.4	2.9	mg/Kg			1	6020/DOD
Nickel	25	0.11	0.033	0.012	mg/Kg			1	6020/DOD
Lead	11	0.11	0.033	0.017	mg/Kg			1	6020/DOD
Antimony	0.056	0.22	0.11	0.050	mg/Kg	J		1	6020/DOD
Thallium	0.13	0.11	0.022	0.011	mg/Kg			1	6020/DOD
Vanadium	15	0.11	0.065	0.032	mg/Kg			1	6020/DOD
Zinc	53	0.54	0.22	0.070	mg/Kg		Q	1	6020/DOD
Potassium	1200	11	6.5	3.4	mg/Kg			1	6020/DOD
Selenium	0.43	0.54	0.11	0.055	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0058-0001-SO
Lab Sample ID: 240-18581-9
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 13:35
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 88.8

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.031	0.087	0.026	0.0099	mg/Kg	J		1	6020/DOD
Aluminum	9200	2.6	0.52	0.25	mg/Kg			1	6020/DOD
Arsenic	13	0.087	0.043	0.016	mg/Kg			1	6020/DOD
Barium	40	0.87	0.017	0.0093	mg/Kg		Q	1	6020/DOD
Beryllium	0.52	0.087	0.0087	0.0065	mg/Kg			1	6020/DOD
Calcium	3700	8.7	2.2	1.1	mg/Kg			1	6020/DOD
Cadmium	0.16	0.087	0.026	0.011	mg/Kg			1	6020/DOD
Chromium	15	0.17	0.035	0.019	mg/Kg			1	6020/DOD
Cobalt	9.7	0.043	0.0087	0.0021	mg/Kg		Q	1	6020/DOD
Copper	18	0.17	0.052	0.029	mg/Kg		Q	1	6020/DOD
Iron	23000	4.3	1.7	0.93	mg/Kg			1	6020/DOD
Magnesium	4400	8.7	1.7	0.93	mg/Kg			1	6020/DOD
Manganese	280	0.43	0.026	0.014	mg/Kg			1	6020/DOD
Sodium	68	8.7	4.3	2.3	mg/Kg			1	6020/DOD
Nickel	23	0.087	0.026	0.0098	mg/Kg			1	6020/DOD
Lead	9.9	0.087	0.026	0.013	mg/Kg			1	6020/DOD
Antimony	0.061	0.17	0.087	0.040	mg/Kg	J		1	6020/DOD
Thallium	0.12	0.087	0.017	0.0088	mg/Kg			1	6020/DOD
Vanadium	14	0.087	0.052	0.026	mg/Kg			1	6020/DOD
Zinc	51	0.43	0.17	0.056	mg/Kg		Q	1	6020/DOD
Potassium	1200	8.7	5.2	2.7	mg/Kg			1	6020/DOD
Selenium	0.37	0.43	0.087	0.044	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0059-0001-SO
Lab Sample ID: 240-18581-10
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 13:37
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 89.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.031	0.10	0.031	0.012	mg/Kg	J		1	6020/DOD
Aluminum	9700	3.1	0.62	0.30	mg/Kg			1	6020/DOD
Arsenic	13	0.10	0.052	0.019	mg/Kg			1	6020/DOD
Barium	47	1.0	0.021	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.54	0.10	0.010	0.0078	mg/Kg			1	6020/DOD
Calcium	1800	10	2.6	1.4	mg/Kg			1	6020/DOD
Cadmium	0.20	0.10	0.031	0.014	mg/Kg			1	6020/DOD
Chromium	15	0.21	0.042	0.023	mg/Kg			1	6020/DOD
Cobalt	11	0.052	0.010	0.0025	mg/Kg		Q	1	6020/DOD
Copper	18	0.21	0.062	0.034	mg/Kg		Q	1	6020/DOD
Iron	24000	5.2	2.1	1.1	mg/Kg			1	6020/DOD
Magnesium	3400	10	2.1	1.1	mg/Kg			1	6020/DOD
Manganese	390	0.52	0.031	0.017	mg/Kg			1	6020/DOD
Sodium	60	10	5.2	2.8	mg/Kg			1	6020/DOD
Nickel	27	0.10	0.031	0.012	mg/Kg			1	6020/DOD
Lead	10	0.10	0.031	0.016	mg/Kg			1	6020/DOD
Antimony	0.077	0.21	0.10	0.048	mg/Kg	J		1	6020/DOD
Thallium	0.14	0.10	0.021	0.011	mg/Kg			1	6020/DOD
Vanadium	15	0.10	0.062	0.031	mg/Kg			1	6020/DOD
Zinc	58	0.52	0.21	0.067	mg/Kg		Q	1	6020/DOD
Potassium	1200	10	6.2	3.3	mg/Kg			1	6020/DOD
Selenium	0.31	0.52	0.10	0.053	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0060-0001-SO
Lab Sample ID: 240-18581-11
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 13:45
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 90.3

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.025	0.098	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	9400	2.9	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	12	0.098	0.049	0.018	mg/Kg			1	6020/DOD
Barium	42	0.98	0.020	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.52	0.098	0.0098	0.0073	mg/Kg			1	6020/DOD
Calcium	1700	9.8	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.15	0.098	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.20	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	9.4	0.049	0.0098	0.0024	mg/Kg		Q	1	6020/DOD
Copper	18	0.20	0.059	0.032	mg/Kg		Q	1	6020/DOD
Iron	23000	4.9	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	3300	9.8	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	290	0.49	0.029	0.016	mg/Kg			1	6020/DOD
Sodium	63	9.8	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	23	0.098	0.029	0.011	mg/Kg			1	6020/DOD
Lead	10	0.098	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.062	0.20	0.098	0.045	mg/Kg	J		1	6020/DOD
Thallium	0.16	0.098	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	14	0.098	0.059	0.029	mg/Kg			1	6020/DOD
Zinc	50	0.49	0.20	0.063	mg/Kg		Q	1	6020/DOD
Potassium	1200	9.8	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.37	0.49	0.098	0.050	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0070-0001-SO
Lab Sample ID: 240-18581-13
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 14:20
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 89.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.028	0.094	0.028	0.011	mg/Kg	J		1	6020/DOD
Aluminum	9600	2.8	0.56	0.27	mg/Kg			1	6020/DOD
Arsenic	12	0.094	0.047	0.017	mg/Kg			1	6020/DOD
Barium	29	0.94	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.49	0.094	0.0094	0.0070	mg/Kg			1	6020/DOD
Calcium	8200	9.4	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.13	0.094	0.028	0.012	mg/Kg			1	6020/DOD
Chromium	14	0.19	0.037	0.021	mg/Kg			1	6020/DOD
Cobalt	9.2	0.047	0.0094	0.0022	mg/Kg		Q	1	6020/DOD
Copper	17	0.19	0.056	0.031	mg/Kg		Q	1	6020/DOD
Iron	23000	4.7	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	5800	9.4	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	210	0.47	0.028	0.015	mg/Kg			1	6020/DOD
Sodium	71	9.4	4.7	2.5	mg/Kg			1	6020/DOD
Nickel	19	0.094	0.028	0.011	mg/Kg			1	6020/DOD
Lead	11	0.094	0.028	0.014	mg/Kg			1	6020/DOD
Antimony	0.053	0.19	0.094	0.043	mg/Kg	J		1	6020/DOD
Thallium	0.097	0.094	0.019	0.0095	mg/Kg			1	6020/DOD
Vanadium	14	0.094	0.056	0.028	mg/Kg			1	6020/DOD
Zinc	49	0.47	0.19	0.061	mg/Kg		Q	1	6020/DOD
Potassium	1600	9.4	5.6	3.0	mg/Kg			1	6020/DOD
Selenium	0.40	0.47	0.094	0.048	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0071-0001-SO
Lab Sample ID: 240-18581-14
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 14:40
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 88.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.034	0.11	0.034	0.013	mg/Kg	J		1	6020/DOD
Aluminum	9700	3.4	0.68	0.32	mg/Kg			1	6020/DOD
Arsenic	15	0.11	0.056	0.020	mg/Kg			1	6020/DOD
Barium	31	1.1	0.023	0.012	mg/Kg		Q	1	6020/DOD
Beryllium	0.52	0.11	0.011	0.0084	mg/Kg			1	6020/DOD
Calcium	4300	11	2.8	1.5	mg/Kg			1	6020/DOD
Cadmium	0.15	0.11	0.034	0.015	mg/Kg			1	6020/DOD
Chromium	14	0.23	0.045	0.025	mg/Kg			1	6020/DOD
Cobalt	9.9	0.056	0.011	0.0027	mg/Kg		Q	1	6020/DOD
Copper	19	0.23	0.068	0.037	mg/Kg		Q	1	6020/DOD
Iron	26000	5.6	2.3	1.2	mg/Kg			1	6020/DOD
Magnesium	4500	11	2.3	1.2	mg/Kg			1	6020/DOD
Manganese	200	0.56	0.034	0.018	mg/Kg			1	6020/DOD
Sodium	53	11	5.6	3.0	mg/Kg			1	6020/DOD
Nickel	24	0.11	0.034	0.013	mg/Kg			1	6020/DOD
Lead	10	0.11	0.034	0.017	mg/Kg			1	6020/DOD
Antimony	0.065	0.23	0.11	0.052	mg/Kg	J		1	6020/DOD
Thallium	0.11	0.11	0.023	0.011	mg/Kg			1	6020/DOD
Vanadium	15	0.11	0.068	0.034	mg/Kg			1	6020/DOD
Zinc	57	0.56	0.23	0.073	mg/Kg		Q	1	6020/DOD
Potassium	1600	11	6.8	3.5	mg/Kg			1	6020/DOD
Selenium	0.38	0.56	0.11	0.057	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0072-0001-SO
Lab Sample ID: 240-18581-15
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 14:55
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 86.3

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.032	0.10	0.030	0.012	mg/Kg	J		1	6020/DOD
Aluminum	9600	3.0	0.61	0.29	mg/Kg			1	6020/DOD
Arsenic	16	0.10	0.051	0.018	mg/Kg			1	6020/DOD
Barium	33	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.51	0.10	0.010	0.0076	mg/Kg			1	6020/DOD
Calcium	11000	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.15	0.10	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.20	0.041	0.023	mg/Kg			1	6020/DOD
Cobalt	10	0.051	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	18	0.20	0.061	0.034	mg/Kg		Q	1	6020/DOD
Iron	26000	5.1	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	4700	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	310	0.51	0.030	0.016	mg/Kg			1	6020/DOD
Sodium	54	10	5.1	2.7	mg/Kg			1	6020/DOD
Nickel	24	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	11	0.10	0.030	0.016	mg/Kg			1	6020/DOD
Antimony	0.069	0.20	0.10	0.047	mg/Kg	J		1	6020/DOD
Thallium	0.11	0.10	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	14	0.10	0.061	0.030	mg/Kg			1	6020/DOD
Zinc	52	0.51	0.20	0.066	mg/Kg		Q	1	6020/DOD
Potassium	1600	10	6.1	3.2	mg/Kg			1	6020/DOD
Selenium	0.34	0.51	0.10	0.052	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 072SB-0073-0001-SO
Lab Sample ID: 240-18581-16
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 15:05
Reporting Basis: DRY
Date Received: 12/08/2012 11:20
% Solids: 87.3

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.034	0.11	0.033	0.013	mg/Kg	J		1	6020/DOD
Aluminum	10000	3.3	0.67	0.32	mg/Kg			1	6020/DOD
Arsenic	15	0.11	0.056	0.020	mg/Kg			1	6020/DOD
Barium	32	1.1	0.022	0.012	mg/Kg		Q	1	6020/DOD
Beryllium	0.55	0.11	0.011	0.0083	mg/Kg			1	6020/DOD
Calcium	3700	11	2.8	1.5	mg/Kg			1	6020/DOD
Cadmium	0.16	0.11	0.033	0.015	mg/Kg			1	6020/DOD
Chromium	15	0.22	0.044	0.025	mg/Kg			1	6020/DOD
Cobalt	11	0.056	0.011	0.0027	mg/Kg		Q	1	6020/DOD
Copper	19	0.22	0.067	0.037	mg/Kg		Q	1	6020/DOD
Iron	26000	5.6	2.2	1.2	mg/Kg			1	6020/DOD
Magnesium	4600	11	2.2	1.2	mg/Kg			1	6020/DOD
Manganese	190	0.56	0.033	0.018	mg/Kg			1	6020/DOD
Sodium	56	11	5.6	3.0	mg/Kg			1	6020/DOD
Nickel	26	0.11	0.033	0.013	mg/Kg			1	6020/DOD
Lead	10	0.11	0.033	0.017	mg/Kg			1	6020/DOD
Antimony	0.060	0.22	0.11	0.051	mg/Kg	J		1	6020/DOD
Thallium	0.12	0.11	0.022	0.011	mg/Kg			1	6020/DOD
Vanadium	15	0.11	0.067	0.033	mg/Kg			1	6020/DOD
Zinc	59	0.56	0.22	0.072	mg/Kg		Q	1	6020/DOD
Potassium	1800	11	6.7	3.5	mg/Kg			1	6020/DOD
Selenium	0.42	0.56	0.11	0.057	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SS-0048M-0001-SO
Lab Sample ID: 240-18581-17
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:22
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.029	0.096	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	9600	2.9	0.58	0.27	mg/Kg			1	6020/DOD
Arsenic	8.8	0.096	0.048	0.017	mg/Kg			1	6020/DOD
Barium	64	0.96	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.57	0.096	0.0096	0.0072	mg/Kg			1	6020/DOD
Calcium	15000	9.6	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.17	0.096	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.19	0.038	0.021	mg/Kg			1	6020/DOD
Cobalt	49	0.048	0.0096	0.0023	mg/Kg		Q	1	6020/DOD
Copper	16	0.19	0.058	0.032	mg/Kg		Q	1	6020/DOD
Iron	21000	4.8	1.9	1.0	mg/Kg		B	1	6020/DOD
Magnesium	4300	9.6	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	380	0.48	0.029	0.015	mg/Kg			1	6020/DOD
Sodium	150	9.6	4.8	2.6	mg/Kg			1	6020/DOD
Nickel	23	0.096	0.029	0.011	mg/Kg			1	6020/DOD
Lead	12	0.096	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.096	0.19	0.096	0.044	mg/Kg	U		1	6020/DOD
Thallium	0.11	0.096	0.019	0.0098	mg/Kg			1	6020/DOD
Vanadium	13	0.096	0.058	0.029	mg/Kg			1	6020/DOD
Zinc	46	0.48	0.19	0.062	mg/Kg		Q	1	6020/DOD
Potassium	1300	9.6	5.8	3.0	mg/Kg			1	6020/DOD
Selenium	0.34	0.48	0.096	0.049	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0049M-0001-SO
Lab Sample ID: 240-18581-18
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:22
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.015	0.099	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	5800	3.0	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	5.8	0.099	0.050	0.018	mg/Kg			1	6020/DOD
Barium	31	0.99	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.32	0.099	0.0099	0.0074	mg/Kg			1	6020/DOD
Calcium	6800	9.9	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.098	0.099	0.030	0.013	mg/Kg	J		1	6020/DOD
Chromium	9.1	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	7.2	0.050	0.0099	0.0024	mg/Kg		Q	1	6020/DOD
Copper	9.9	0.20	0.059	0.033	mg/Kg		Q	1	6020/DOD
Iron	14000	5.0	2.0	1.1	mg/Kg		B	1	6020/DOD
Magnesium	2700	9.9	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	200	0.50	0.030	0.016	mg/Kg			1	6020/DOD
Sodium	74	9.9	5.0	2.6	mg/Kg			1	6020/DOD
Nickel	15	0.099	0.030	0.011	mg/Kg			1	6020/DOD
Lead	6.5	0.099	0.030	0.015	mg/Kg			1	6020/DOD
Antimony	0.099	0.20	0.099	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.075	0.099	0.020	0.010	mg/Kg	J		1	6020/DOD
Vanadium	8.7	0.099	0.059	0.030	mg/Kg			1	6020/DOD
Zinc	27	0.50	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	920	9.9	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.24	0.50	0.099	0.050	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0050M-0001-SO
Lab Sample ID: 240-18581-19
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 09:25
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.018	0.10	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	8100	3.0	0.60	0.28	mg/Kg			1	6020/DOD
Arsenic	5.8	0.10	0.050	0.018	mg/Kg			1	6020/DOD
Barium	70	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.52	0.10	0.010	0.0075	mg/Kg			1	6020/DOD
Calcium	6200	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.13	0.10	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	12	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	28	0.050	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	12	0.20	0.060	0.033	mg/Kg		Q	1	6020/DOD
Iron	17000	5.0	2.0	1.1	mg/Kg		B	1	6020/DOD
Magnesium	3300	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	280	0.50	0.030	0.016	mg/Kg			1	6020/DOD
Sodium	110	10	5.0	2.7	mg/Kg			1	6020/DOD
Nickel	22	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	8.2	0.10	0.030	0.015	mg/Kg			1	6020/DOD
Antimony	0.10	0.20	0.10	0.046	mg/Kg	U		1	6020/DOD
Thallium	0.074	0.10	0.020	0.010	mg/Kg	J		1	6020/DOD
Vanadium	11	0.10	0.060	0.030	mg/Kg			1	6020/DOD
Zinc	34	0.50	0.20	0.065	mg/Kg		Q	1	6020/DOD
Potassium	1200	10	6.0	3.2	mg/Kg			1	6020/DOD
Selenium	0.33	0.50	0.10	0.051	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0051M-0001-SO
Lab Sample ID: 240-18581-20
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 09:45
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.017	0.10	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	3900	3.0	0.60	0.28	mg/Kg			1	6020/DOD
Arsenic	1.8	0.10	0.050	0.018	mg/Kg			1	6020/DOD
Barium	33	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.34	0.10	0.010	0.0075	mg/Kg			1	6020/DOD
Calcium	13000	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.12	0.10	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	6.1	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	32	0.050	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	4.7	0.20	0.060	0.033	mg/Kg		Q	1	6020/DOD
Iron	5200	5.0	2.0	1.1	mg/Kg		B	1	6020/DOD
Magnesium	1800	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	260	0.50	0.030	0.016	mg/Kg			1	6020/DOD
Sodium	110	10	5.0	2.7	mg/Kg			1	6020/DOD
Nickel	5.8	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	9.1	0.10	0.030	0.015	mg/Kg			1	6020/DOD
Antimony	0.10	0.20	0.10	0.046	mg/Kg	U		1	6020/DOD
Thallium	0.030	0.10	0.020	0.010	mg/Kg	J		1	6020/DOD
Vanadium	4.7	0.10	0.060	0.030	mg/Kg			1	6020/DOD
Zinc	18	0.50	0.20	0.065	mg/Kg		Q	1	6020/DOD
Potassium	530	10	6.0	3.2	mg/Kg			1	6020/DOD
Selenium	0.26	0.50	0.10	0.051	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0052M-0001-SO
Lab Sample ID: 240-18581-21
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:00
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.020	0.10	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	7700	3.0	0.60	0.28	mg/Kg			1	6020/DOD
Arsenic	8.0	0.10	0.050	0.018	mg/Kg			1	6020/DOD
Barium	43	1.0	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.42	0.10	0.010	0.0075	mg/Kg			1	6020/DOD
Calcium	5100	10	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.13	0.10	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	12	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	14	0.050	0.010	0.0024	mg/Kg		Q	1	6020/DOD
Copper	13	0.20	0.060	0.033	mg/Kg		Q	1	6020/DOD
Iron	18000	5.0	2.0	1.1	mg/Kg		B	1	6020/DOD
Magnesium	3200	10	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	270	0.50	0.030	0.016	mg/Kg			1	6020/DOD
Sodium	76	10	5.0	2.7	mg/Kg			1	6020/DOD
Nickel	20	0.10	0.030	0.011	mg/Kg			1	6020/DOD
Lead	9.0	0.10	0.030	0.015	mg/Kg			1	6020/DOD
Antimony	0.10	0.20	0.10	0.046	mg/Kg	U		1	6020/DOD
Thallium	0.097	0.10	0.020	0.010	mg/Kg	J		1	6020/DOD
Vanadium	11	0.10	0.060	0.030	mg/Kg			1	6020/DOD
Zinc	38	0.50	0.20	0.065	mg/Kg		Q	1	6020/DOD
Potassium	1100	10	6.0	3.2	mg/Kg			1	6020/DOD
Selenium	0.27	0.50	0.10	0.051	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0053M-0001-SO
Lab Sample ID: 240-18581-22
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:18
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.017	0.098	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	7300	2.9	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	6.5	0.098	0.049	0.018	mg/Kg			1	6020/DOD
Barium	38	0.98	0.020	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.38	0.098	0.0098	0.0074	mg/Kg			1	6020/DOD
Calcium	11000	9.8	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.11	0.098	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	12	0.20	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	8.6	0.049	0.0098	0.0024	mg/Kg		Q	1	6020/DOD
Copper	13	0.20	0.059	0.032	mg/Kg		Q	1	6020/DOD
Iron	17000	4.9	2.0	1.1	mg/Kg		B	1	6020/DOD
Magnesium	3400	9.8	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	220	0.49	0.029	0.016	mg/Kg			1	6020/DOD
Sodium	86	9.8	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	19	0.098	0.029	0.011	mg/Kg			1	6020/DOD
Lead	7.6	0.098	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.098	0.20	0.098	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.091	0.098	0.020	0.010	mg/Kg	J		1	6020/DOD
Vanadium	11	0.098	0.059	0.029	mg/Kg			1	6020/DOD
Zinc	34	0.49	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	1100	9.8	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.24	0.49	0.098	0.050	mg/Kg	J	Q	1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 070SB-0054M-0001-SO
Lab Sample ID: 240-18581-23
Lab Name: TestAmerica Pittsburgh
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:25
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.027	0.099	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	10000	3.0	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	11	0.099	0.050	0.018	mg/Kg			1	6020/DOD
Barium	50	0.99	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.55	0.099	0.0099	0.0074	mg/Kg			1	6020/DOD
Calcium	16000	9.9	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.16	0.099	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	16	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	12	0.050	0.0099	0.0024	mg/Kg		Q	1	6020/DOD
Copper	18	0.20	0.059	0.033	mg/Kg		Q	1	6020/DOD
Iron	25000	5.0	2.0	1.1	mg/Kg		B	1	6020/DOD
Magnesium	5400	9.9	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	310	0.50	0.030	0.016	mg/Kg			1	6020/DOD
Sodium	160	9.9	5.0	2.6	mg/Kg			1	6020/DOD
Nickel	26	0.099	0.030	0.011	mg/Kg			1	6020/DOD
Lead	11	0.099	0.030	0.015	mg/Kg			1	6020/DOD
Antimony	0.099	0.20	0.099	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.13	0.099	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	15	0.099	0.059	0.030	mg/Kg			1	6020/DOD
Zinc	51	0.50	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	1400	9.9	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.42	0.50	0.099	0.050	mg/Kg	J	Q	1	6020/DOD

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

ICV Source: MTHGICVW_00450 Concentration Units: ug/L

CCV Source: MTHGCALW_00292

Analyte	ICV 240-69001/7-A 12/18/2012 09:31				CCV 240-69001/10-A 12/18/2012 11:07				CCV 240-69001/10-A 12/18/2012 11:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.36		2.50	94	5.18		5.00	104	5.17		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

ICV Source: MTHGICVW_00450 Concentration Units: ug/L

CCV Source: MTHGCALW_00292

Analyte	CCV 240-69001/10-A 12/18/2012 11:55				CCV 240-69001/10-A 12/18/2012 12:19							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.21		5.00	104	5.19		5.00	104				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

ICV Source: MTHGICVW_00455 Concentration Units: ug/L

CCV Source: MTHGCALW_00294

Analyte	ICV 240-70130/7-A 12/26/2012 16:05				CCV 240-70130/10-A 12/26/2012 16:34				CCV 240-70130/10-A 12/26/2012 16:59			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.29		2.50	92	5.15		5.00	103	5.20		5.00	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

ICV Source: MTHGICVW_00455 Concentration Units: ug/L

CCV Source: MTHGCALW_00294

Analyte	CCV 240-70130/10-A 12/26/2012 17:22				CCV 240-70130/10-A 12/26/2012 17:46							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.17		5.00	103	5.14		5.00	103				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	ICV 180-59694/5 12/28/2012 22:54				CCV 180-59694/10 12/28/2012 23:21				CCV 180-59694/22 12/29/2012 00:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	391		400	98	495		500	99	500		500	100
Antimony	77.8		80.0	97	93.2		100	93	93.0		100	93
Arsenic	79.7		80.0	100	95.9		100	96	95.6		100	96
Barium	78.0		80.0	97	92.5		100	93	93.2		100	93
Beryllium	77.9		80.0	97	98.3		100	98	96.5		100	97
Cadmium	80.3		80.0	100	98.4		100	98	98.1		100	98
Calcium	38300		40000	96	47100		50000	94	47800		50000	96
Chromium	79.8		80.0	100	96.1		100	96	95.3		100	95
Cobalt	77.8		80.0	97	94.8		100	95	94.0		100	94
Copper	79.1		80.0	99	95.6		100	96	96.4		100	96
Iron	19600		20000	98	24200		25000	97	24400		25000	98
Lead	77.8		80.0	97	93.5		100	94	93.4		100	93
Magnesium	38200		40000	95	48600		50000	97	49000		50000	98
Manganese	394		400	99	484		500	97	462		500	92
Nickel	78.3		80.0	98	95.3		100	95	95.1		100	95
Potassium	39100		40000	98	46900		50000	94	48100		50000	96
Selenium	81.1		80.0	101	99.4		100	99	98.9		100	99
Silver	78.4		80.0	98	96.3		100	96	96.4		100	96
Sodium	38600		40000	96	47900		50000	96	47700		50000	95
Thallium	80.2		80.0	100	93.7		100	94	93.5		100	94
Vanadium	77.1		80.0	96	95.3		100	95	95.0		100	95
Zinc	84.9		80.0	106	101		100	101	99.5		100	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	CCV 180-59694/34 12/29/2012 01:17				CCV 180-59694/46 12/29/2012 02:19				CCV 180-59694/58 12/29/2012 03:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	493		500	99	495		500	99	483		500	97
Antimony	94.9		100	95	96.0		100	96	95.7		100	96
Arsenic	97.0		100	97	97.0		100	97	96.2		100	96
Barium	94.0		100	94	96.7		100	97	97.0		100	97
Beryllium	96.4		100	96	99.6		100	100	99.5		100	99
Cadmium	98.9		100	99	99.2		100	99	98.7		100	99
Calcium	48600		50000	97	49300		50000	99	49100		50000	98
Chromium	95.3		100	95	94.7		100	95	95.0		100	95
Cobalt	94.7		100	95	94.3		100	94	93.8		100	94
Copper	95.6		100	96	95.9		100	96	95.8		100	96
Iron	24900		25000	99	24900		25000	100	24800		25000	99
Lead	95.7		100	96	93.9		100	94	92.4		100	92
Magnesium	49000		50000	98	49600		50000	99	48200		50000	96
Manganese	477		500	95	476		500	95	453		500	91
Nickel	94.1		100	94	95.3		100	95	94.8		100	95
Potassium	48400		50000	97	48900		50000	98	49000		50000	98
Selenium	101		100	101	101		100	101	99.5		100	99
Silver	97.0		100	97	96.2		100	96	96.9		100	97
Sodium	47400		50000	95	48800		50000	98	48300		50000	97
Thallium	95.6		100	96	93.9		100	94	92.6		100	93
Vanadium	94.1		100	94	95.4		100	95	94.4		100	94
Zinc	99.3		100	99	99.0		100	99	97.8		100	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	CCV 180-59694/70 12/29/2012 04:35											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	501		500	100								
Antimony	96.5		100	97								
Arsenic	98.5		100	98								
Barium	97.6		100	98								
Beryllium	101		100	101								
Cadmium	99.9		100	100								
Calcium	51400		50000	103								
Chromium	97.4		100	97								
Cobalt	96.3		100	96								
Copper	98.1		100	98								
Iron	25800		25000	103								
Lead	93.2		100	93								
Magnesium	50700		50000	101								
Manganese	456		500	91								
Nickel	96.9		100	97								
Potassium	51200		50000	102								
Selenium	104		100	104								
Silver	97.4		100	97								
Sodium	50000		50000	100								
Thallium	93.5		100	93								
Vanadium	97.0		100	97								
Zinc	101		100	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Method: 7471/DOD Instrument ID: H4

Lab Sample ID: CRA 240-69001/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00292

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.190	J	95	

Lab Sample ID: CRA 240-69001/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00292

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.213		107	

Lab Sample ID: CRA 240-70130/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00294

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.180	J	90	

Lab Sample ID: CRA 240-70130/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00294

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.190	J	95	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Method: 6020/DOD Instrument ID: M

Lab Sample ID: CRI 180-59694/7 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.986	J	99	80-120
Aluminum	30.0	31.4		105	80-120
Arsenic	1.00	1.06		106	80-120
Barium	10.0	9.24	J	92	80-120
Beryllium	1.00	0.955	J	95	80-120
Calcium	100	102		102	80-120
Cadmium	1.00	1.05		105	80-120
Chromium	2.00	1.91	J	96	80-120
Cobalt	0.500	0.486	J	97	80-120
Copper	2.00	2.10		105	80-120
Iron	50.0	59.0		118	80-120
Magnesium	100	96.8	J	97	80-120
Manganese	5.00	5.12		102	80-120
Sodium	100	97.1	J	97	80-120
Nickel	1.00	0.968	J	97	80-120
Lead	1.00	0.923	J	92	80-120
Antimony	2.00	1.87	J	94	80-120
Thallium	1.00	0.865	J	87	80-120
Vanadium	1.00	0.898	J	90	80-120
Zinc	5.00	5.83		117	80-120
Potassium	100	92.3	J	92	80-120
Selenium	5.00	5.05		101	80-120

Lab Sample ID: CRI 180-59694/69 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.937	J	94	80-120
Aluminum	30.0	32.3		108	80-120
Arsenic	1.00	0.883	J	88	80-120
Barium	10.0	9.28	J	93	80-120
Beryllium	1.00	0.909	J	91	80-120
Calcium	100	108		108	80-120
Cadmium	1.00	1.01		101	80-120
Chromium	2.00	1.97	J	99	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Method: 6020/DOD Instrument ID: M

Lab Sample ID: CRI 180-59694/69 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cobalt	0.500	0.495	J	99	80-120
Copper	2.00	2.12		106	80-120
Iron	50.0	57.7		115	80-120
Magnesium	100	98.6	J	99	80-120
Manganese	5.00	5.42		108	80-120
Sodium	100	94.5	J	95	80-120
Nickel	1.00	0.970	J	97	80-120
Lead	1.00	0.873	J	87	80-120
Antimony	2.00	1.90	J	95	80-120
Thallium	1.00	0.825	J	82	80-120
Vanadium	1.00	0.942	J	94	80-120
Zinc	5.00	5.72		114	80-120
Potassium	100	99.2	J	99	80-120
Selenium	5.00	4.99	J	100	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-69001/8-A 12/18/2012 09:34		CCB 240-69001/11-A 12/18/2012 11:09		CCB 240-69001/11-A 12/18/2012 11:33		CCB 240-69001/11-A 12/18/2012 11:57	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-69001/11-A 12/18/2012 12:21							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-70130/8-A 12/26/2012 16:07		CCB 240-70130/11-A 12/26/2012 16:36		CCB 240-70130/11-A 12/26/2012 17:01		CCB 240-70130/11-A 12/26/2012 17:24	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-70130/11-A 12/26/2012 17:48							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 180-59694/6 12/28/2012 23:01		CCB1 180-59694/11 12/28/2012 23:29		CCB2 180-59694/23 12/29/2012 00:27		CCB3 180-59694/35 12/29/2012 01:25	
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	5.0	U	5.0	U	5.0	U
Antimony	2.0	0.90	U	0.90	U	0.90	U	0.90	U
Arsenic	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Barium	10	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	1.0	0.090	U	0.090	U	0.090	U	0.090	U
Cadmium	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Calcium	100	20	U	20	U	20	U	20	U
Chromium	2.0	1.0	U	1.0	U	1.0	U	1.0	U
Cobalt	0.50	0.050	U	0.050	U	0.050	U	0.050	U
Copper	2.0	0.50	U	0.50	U	0.50	U	0.50	U
Iron	50	20	U	11.5	J	11.5	J	12.3	J
Lead	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Magnesium	100	22	U	22	U	22	U	22	U
Manganese	5.0	0.30	U	0.30	U	0.341	J	0.368	J
Nickel	1.0	0.35	U	0.35	U	0.35	U	0.35	U
Potassium	100	60	U	60	U	60	U	60	U
Selenium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Silver	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Sodium	100	55	U	55	U	55	U	55	U
Thallium	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Vanadium	1.0	0.60	U	0.60	U	0.60	U	0.60	U
Zinc	5.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB4 180-59694/47 12/29/2012 02:27		CCB5 180-59694/59 12/29/2012 03:26		CCB6 180-59694/71 12/29/2012 04:43			
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	5.0	U	5.0	U		
Antimony	2.0	0.90	U	0.90	U	0.90	U		
Arsenic	1.0	0.50	U	0.50	U	0.50	U		
Barium	10	0.15	U	0.15	U	0.15	U		
Beryllium	1.0	0.090	U	0.090	U	0.090	U		
Cadmium	1.0	0.30	U	0.30	U	0.30	U		
Calcium	100	20	U	20	U	20	U		
Chromium	2.0	1.0	U	1.0	U	1.0	U		
Cobalt	0.50	0.050	U	0.050	U	0.050	U		
Copper	2.0	0.50	U	0.50	U	0.50	U		
Iron	50	20	U	11.0	J	20	U		
Lead	1.0	0.30	U	0.30	U	0.30	U		
Magnesium	100	22	U	22	U	22	U		
Manganese	5.0	0.195	J	0.30	U	0.251	J		
Nickel	1.0	0.35	U	0.35	U	0.35	U		
Potassium	100	60	U	60	U	60	U		
Selenium	5.0	1.0	U	1.0	U	1.0	U		
Silver	1.0	0.20	U	0.20	U	0.20	U		
Sodium	100	55	U	55	U	55	U		
Thallium	1.0	0.20	U	0.20	U	0.20	U		
Vanadium	1.0	0.60	U	0.60	U	0.60	U		
Zinc	5.0	2.0	U	2.0	U	2.0	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-69021/1-A

Instrument Code: H4 Batch No.: 69324

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.033	U		7471_DOD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-69805/1-A

Instrument Code: H4 Batch No.: 70191

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.033	U		7471_DOD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 180-59183/1-A

Instrument Code: M Batch No.: 59694

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.030	U		6020_DoD
7429-90-5	Aluminum	0.515	J		6020_DoD
7440-38-2	Arsenic	0.050	U		6020_DoD
7440-39-3	Barium	0.0133	J	Q	6020_DoD
7440-41-7	Beryllium	0.010	U		6020_DoD
7440-70-2	Calcium	2.78	J		6020_DoD
7440-43-9	Cadmium	0.030	U		6020_DoD
7440-47-3	Chromium	0.040	U		6020_DoD
7440-48-4	Cobalt	0.010	U	Q	6020_DoD
7440-50-8	Copper	0.060	U	Q	6020_DoD
7439-89-6	Iron	1.12	J		6020_DoD
7439-95-4	Magnesium	2.0	U		6020_DoD
7439-96-5	Manganese	0.030	U		6020_DoD
7440-23-5	Sodium	5.0	U		6020_DoD
7440-02-0	Nickel	0.0132	J		6020_DoD
7439-92-1	Lead	0.030	U		6020_DoD
7440-36-0	Antimony	0.10	U		6020_DoD
7440-28-0	Thallium	0.020	U		6020_DoD
7440-62-2	Vanadium	0.060	U		6020_DoD
7440-66-6	Zinc	0.141	J	Q	6020_DoD
7440-09-7	Potassium	6.0	U		6020_DoD
7782-49-2	Selenium	0.10	U	Q	6020_DoD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 180-59314/1-A

Instrument Code: M Batch No.: 59694

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.029	U		6020_DoD
7429-90-5	Aluminum	1.08	J		6020_DoD
7440-38-2	Arsenic	0.048	U		6020_DoD
7440-39-3	Barium	0.0165	J	Q	6020_DoD
7440-41-7	Beryllium	0.0096	U		6020_DoD
7440-70-2	Calcium	3.13	J		6020_DoD
7440-43-9	Cadmium	0.029	U		6020_DoD
7440-47-3	Chromium	0.038	U		6020_DoD
7440-48-4	Cobalt	0.0096	U	Q	6020_DoD
7440-50-8	Copper	0.0600	J	Q	6020_DoD
7439-89-6	Iron	2.89	J		6020_DoD
7439-95-4	Magnesium	1.00	J		6020_DoD
7439-96-5	Manganese	0.0191	J		6020_DoD
7440-23-5	Sodium	4.8	U		6020_DoD
7440-02-0	Nickel	0.029	U		6020_DoD
7439-92-1	Lead	0.029	U		6020_DoD
7440-36-0	Antimony	0.096	U		6020_DoD
7440-28-0	Thallium	0.019	U		6020_DoD
7440-62-2	Vanadium	0.058	U		6020_DoD
7440-66-6	Zinc	0.183	J	Q	6020_DoD
7440-09-7	Potassium	5.8	U		6020_DoD
7782-49-2	Selenium	0.096	U	Q	6020_DoD

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICSA 180-59694/8 Instrument ID: M

Lab File ID: M21228A.xml ICS Source: MICSAX_00023

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**100000**	**97270**	**97**
Antimony		**0.277**	
Arsenic		**0.322**	
Barium		**0.210**	
Beryllium		**-0.0040**	
Cadmium		**0.218**	
Calcium	**100000**	**98790**	**99**
Chromium		**0.0190**	
Cobalt		**0.135**	
Copper		**1.53**	
Iron	**100000**	**102800**	**103**
Lead		**0.160**	
Magnesium	**100000**	**99060**	**99**
Manganese		**0.282**	
Nickel		**0.215**	
Potassium	**100000**	**98440**	**98**
Selenium		**1.15**	
Silver		**0.0930**	
Sodium	**100000**	**98080**	**98**
Thallium		**-0.0030**	
Vanadium		**-0.358**	
Zinc		**3.61**	
Boron		*0.416*	
Molybdenum	*2000*	*2138*	*107*
Silicon		*29.6*	
Strontium		*4.65*	
Tin		*0.287*	
Titanium	*2000*	*2124*	*106*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Lab Sample ID: ICSAB 180-59694/9 Instrument ID: M

Lab File ID: M21228A.xml ICS Source: MICSABX_00026

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**100000**	**94617**	**95**
Antimony	**20.0**	**18.8**	**94**
Arsenic	**20.0**	**20.3**	**101**
Barium	**20.0**	**19.5**	**98**
Beryllium	**20.0**	**18.8**	**94**
Cadmium	**20.0**	**19.4**	**97**
Calcium	**100000**	**96587**	**97**
Chromium	**20.0**	**19.7**	**98**
Cobalt	**20.0**	**19.1**	**95**
Copper	**20.0**	**20.2**	**101**
Iron	**100000**	**98603**	**99**
Lead	**20.0**	**19.9**	**100**
Magnesium	**100000**	**96100**	**96**
Manganese	**22.5**	**20.3**	**90**
Nickel	**20.0**	**18.7**	**93**
Potassium	**100000**	**95383**	**95**
Selenium	**50.0**	**51.5**	**103**
Silver	**20.0**	**18.8**	**94**
Sodium	**100000**	**96977**	**97**
Thallium	**20.0**	**19.7**	**99**
Vanadium	**20.0**	**19.5**	**98**
Zinc	**25.0**	**23.3**	**93**
Boron	*50.0*	*44.9*	*90*
Molybdenum	*2000*	*2062*	*103*
Silicon	*500*	*532*	*106*
Strontium	*20.0*	*23.6*	*118*
Tin	*100*	*94.8*	*95*
Titanium	*2000*	*2071*	*104*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-69021/2-A

Lab Name: TestAmerica Canton Job No.: 240-18581-1

Sample Matrix: Solid LCS Source: MTHGICVW_00450

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.815		98	80	120		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-69805/2-A

Lab Name: TestAmerica Canton Job No.: 240-18581-1

Sample Matrix: Solid LCS Source: MTHGICVW_00454

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.812		97	80	120		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-59183/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

Sample Matrix: Solid LCS Source: CANMSB_High_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	10.0	9.48		95	60	114		6020/DOD
Aluminum	1000	918		92	80	120		6020/DOD
Arsenic	100	84.4		84	73	110		6020/DOD
Barium	100	88.5		88	70	110	Q	6020/DOD
Beryllium	100	83.9		84	79	110		6020/DOD
Calcium	1000	961		96	80	120		6020/DOD
Cadmium	100	87.4		87	74	110		6020/DOD
Chromium	100	93.9		94	70	110		6020/DOD
Cobalt	100	92.9		93	74	110	Q	6020/DOD
Copper	100	94.8		95	73	110	Q	6020/DOD
Iron	1000	966		97	80	120		6020/DOD
Magnesium	1000	938		94	80	120		6020/DOD
Manganese	100	96.5		97	80	120		6020/DOD
Sodium	1000	893		89	80	120		6020/DOD
Nickel	100	95.2		95	75	110		6020/DOD
Lead	100	89.7		90	75	110		6020/DOD
Antimony	10.0	8.35		84	68	113		6020/DOD
Thallium	25.0	22.2		89	71	110		6020/DOD
Vanadium	100	91.6		92	72	110		6020/DOD
Zinc	100	87.6		88	72	113	Q	6020/DOD
Potassium	1000	910		91	80	120		6020/DOD
Selenium	100	81.8		82	65	110	Q	6020/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-59314/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

Sample Matrix: Solid LCS Source: MTAPITTICPMS_00010

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	5.00	4.50		90	60	114		6020/DOD
Aluminum	200	192		96	80	120		6020/DOD
Arsenic	4.00	3.33		83	73	110		6020/DOD
Barium	200	179		89	70	110	Q	6020/DOD
Beryllium	5.00	4.27		85	79	110		6020/DOD
Calcium	5000	4880		98	80	120		6020/DOD
Cadmium	5.00	4.26		85	74	110		6020/DOD
Chromium	20.0	18.8		94	70	110		6020/DOD
Cobalt	50.0	46.3		93	74	110	Q	6020/DOD
Copper	25.0	23.4		94	73	110	Q	6020/DOD
Iron	100	105		105	80	120		6020/DOD
Magnesium	5000	4740		95	80	120		6020/DOD
Manganese	50.0	46.9		94	80	120		6020/DOD
Sodium	5000	4690		94	80	120		6020/DOD
Nickel	50.0	46.2		92	75	110		6020/DOD
Lead	2.00	1.82		91	75	110		6020/DOD
Antimony	50.0	41.5		83	68	113		6020/DOD
Thallium	5.00	4.53		91	71	110		6020/DOD
Vanadium	50.0	47.5		95	72	110		6020/DOD
Zinc	50.0	42.0		84	72	113	Q	6020/DOD
Potassium	5000	4780		96	80	120		6020/DOD
Selenium	1.00	0.961		96	65	110	Q	6020/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 180-59314/3-A

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

Sample Matrix: Solid LCS Source: MTAPITTICPMS_00010

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	4.44		5.00	89	60-114	1	20		6020/DOD
Aluminum	190		200	95	80-120	1	20		6020/DOD
Arsenic	3.29		4.00	82	73-110	1	20		6020/DOD
Barium	176		200	88	70-110	1	20	Q	6020/DOD
Beryllium	4.31		5.00	86	79-110	1	20		6020/DOD
Calcium	4830		5000	97	80-120	1	20		6020/DOD
Cadmium	4.22		5.00	84	74-110	1	20		6020/DOD
Chromium	18.8		20.0	94	70-110	0	20		6020/DOD
Cobalt	45.9		50.0	92	74-110	1	20	Q	6020/DOD
Copper	23.3		25.0	93	73-110	1	20	Q	6020/DOD
Iron	103		100	103	80-120	2	20		6020/DOD
Magnesium	4730		5000	95	80-120	0	20		6020/DOD
Manganese	46.0		50.0	92	80-120	2	20		6020/DOD
Sodium	4730		5000	95	80-120	1	20		6020/DOD
Nickel	46.1		50.0	92	75-110	0	20		6020/DOD
Lead	1.82		2.00	91	75-110	0	20		6020/DOD
Antimony	40.3		50.0	81	68-113	3	20		6020/DOD
Thallium	4.48		5.00	90	71-110	1	20		6020/DOD
Vanadium	47.0		50.0	94	72-110	1	20		6020/DOD
Zinc	41.6		50.0	83	72-113	1	20	Q	6020/DOD
Potassium	4780		5000	96	80-120	0	20		6020/DOD
Selenium	0.877		1.00	88	65-110	9	20	Q	6020/DOD

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 240-18581-3

SDG No:

Lab Name: TestAmerica Pittsburgh Job No: 240-18581-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Silver	0.023	J	0.15	U	NC		6020/DOD
Aluminum	10000		10300		0.91	D	6020/DOD
Arsenic	7.7		7.81		1.0	D	6020/DOD
Barium	64		65.3		1.4	D Q	6020/DOD
Beryllium	0.68		0.693		1.7	D	6020/DOD
Calcium	7000		6890		1.4	D	6020/DOD
Cadmium	0.19		0.169	J	NC	D	6020/DOD
Chromium	14		13.9		1.8	D	6020/DOD
Cobalt	8.2		8.07		1.5	D Q	6020/DOD
Copper	15		15.5		1.8	D Q	6020/DOD
Iron	20000		20300		3.4	D	6020/DOD
Magnesium	3400		3380		0.42	D	6020/DOD
Manganese	340		348		1.5	D	6020/DOD
Sodium	89		84.7		NC	D	6020/DOD
Nickel	19		18.7		0.71	D	6020/DOD
Lead	12		11.3		2.5	D	6020/DOD
Antimony	0.098	U	0.49	U	NC		6020/DOD
Thallium	0.13		0.123	J	NC	D	6020/DOD
Vanadium	14		13.8		0.21	D	6020/DOD
Zinc	44		48.2		9.8	D Q	6020/DOD
Potassium	800		815		2.3	D	6020/DOD
Selenium	0.47	J	0.49	U	NC	Q	6020/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-18581-1

SDG Number:

Matrix: Solid Instrument ID: H4

Method: 7471/DOD DL Date: 02/16/2010 09:46

Prep Method: 7471A

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Mercury	253.7	0.1	0.014

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-18581-1

SDG Number:

Matrix: Solid Instrument ID: H4

Method: 7471/DOD XMDL Date: 02/16/2010 09:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.2	0.12

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-18581-1

SDG Number:

Matrix: Solid Instrument ID: H4

Method: 7471/DOD DL Date: 02/16/2010 09:46

Prep Method: 7471A

Leach Method: Increment, Prep

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Mercury	253.7	0.1	0.014

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-18581-1

SDG Number:

Matrix: Solid Instrument ID: H4

Method: 7471/DOD XMDL Date: 02/16/2010 09:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.2	0.12

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-18581-1

SDG Number:

Matrix: Solid Instrument ID: M

Method: 6020/DOD DL Date: 01/26/2010 16:34

Prep Method: 3050B

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Aluminum	27	3	0.2849
Antimony	121	0.2	0.0459
Arsenic	75	0.1	0.0181
Barium	137	1	0.0107
Beryllium	9	0.1	0.0075
Cadmium	111	0.1	0.0132
Calcium	44	10	1.326
Chromium	52	0.2	0.0223
Cobalt	59	0.05	0.0024
Copper	65	0.2	0.033
Iron	56	5	1.077
Lead	208	0.1	0.0154
Magnesium	26	10	1.079
Manganese	55	0.5	0.0159
Nickel	60	0.1	0.0113
Potassium	39	10	3.155
Selenium	82	0.5	0.0509
Silver	107	0.1	0.0114
Sodium	23	10	2.658
Thallium	205	0.1	0.0102
Vanadium	51	0.1	0.0299
Zinc	66	0.5	0.0648

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-18581-1

SDG Number:

Matrix: Solid Instrument ID: M

Method: 6020/DOD XMDL Date: 01/26/2010 16:34

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	27	30	2.5662
Antimony	121	2	0.459
Arsenic	75	1	0.2908
Barium	137	10	0.098
Beryllium	9	1	0.0451
Cadmium	111	1	0.132
Calcium	44	100	9.357
Chromium	52	2	0.5433
Cobalt	59	0.5	0.0263
Copper	65	2	0.2443
Iron	56	50	10.77
Lead	208	1	0.154
Magnesium	26	100	10.8
Manganese	55	5	0.159
Nickel	60	1	0.1749
Potassium	39	100	31.6
Selenium	82	5	0.509
Silver	107	1	0.114
Sodium	23	100	26.8
Thallium	205	1	0.102
Vanadium	51	1	0.299
Zinc	66	5	0.9609

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-18581-1

SDG No.:

Instrument ID: H4 Date: 04/01/2011 10:50

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Mercury		10	7471/DOD

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Pittsburgh Job No: 240-18581-1

SDG No.:

Instrument ID: M Date: 03/14/2011 22:35

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Silver		2500	6020/DOD
Aluminum		450000	6020/DOD
Arsenic		4500	6020/DOD
Barium		13500	6020/DOD
Beryllium		9000	6020/DOD
Calcium		1500000	6020/DOD
Cadmium		13500	6020/DOD
Chromium		13500	6020/DOD
Cobalt		13500	6020/DOD
Copper		20000	6020/DOD
Iron		450000	6020/DOD
Magnesium		1500000	6020/DOD
Manganese		25000	6020/DOD
Sodium		450000	6020/DOD
Nickel		13500	6020/DOD
Lead		20000	6020/DOD
Antimony		13500	6020/DOD
Thallium		13500	6020/DOD
Vanadium		13500	6020/DOD
Zinc		25000	6020/DOD
Potassium		450000	6020/DOD
Selenium		4500	6020/DOD

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-69021/1-A	12/17/2012 15:15	69021	0.60		100
LCS 240-69021/2-A	12/17/2012 15:15	69021	0.60		100
240-18581-7	12/17/2012 15:15	69021	0.53		100
240-18581-8	12/17/2012 15:15	69021	0.62		100
240-18581-9	12/17/2012 15:15	69021	0.52		100
240-18581-10	12/17/2012 15:15	69021	0.56		100
240-18581-11	12/17/2012 15:15	69021	0.63		100
240-18581-13	12/17/2012 15:15	69021	0.58		100
240-18581-14	12/17/2012 15:15	69021	0.63		100
240-18581-15	12/17/2012 15:15	69021	0.51		100
240-18581-16	12/17/2012 15:15	69021	0.62		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-69805/1-A	12/21/2012 14:10	69805	0.60		100
LCS 240-69805/2-A	12/21/2012 14:10	69805	0.60		100
240-18581-1	12/21/2012 14:10	69805	0.63		100
240-18581-3	12/21/2012 14:10	69805	0.54		100
240-18581-5	12/21/2012 14:10	69805	0.68		100
240-18581-6	12/21/2012 14:10	69805	0.66		100
240-18581-17	12/21/2012 14:10	69805	0.63		100
240-18581-18	12/21/2012 14:10	69805	0.66		100
240-18581-19	12/21/2012 14:10	69805	0.61		100
240-18581-20	12/21/2012 14:10	69805	0.54		100
240-18581-21	12/21/2012 14:10	69805	0.60		100
240-18581-22	12/21/2012 14:10	69805	0.64		100
240-18581-23	12/21/2012 14:10	69805	0.60		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-59183/1-A	12/17/2012 12:42	59183	1.00		100
LCS 180-59183/2-A	12/17/2012 12:42	59183	1.00		100
240-18581-7	12/17/2012 12:42	59183	1.21		100
240-18581-8	12/17/2012 12:42	59183	1.06		100
240-18581-9	12/17/2012 12:42	59183	1.30		100
240-18581-10	12/17/2012 12:42	59183	1.08		100
240-18581-11	12/17/2012 12:42	59183	1.13		100
240-18581-13	12/17/2012 12:42	59183	1.20		100
240-18581-14	12/17/2012 12:42	59183	1.01		100
240-18581-15	12/17/2012 12:42	59183	1.14		100
240-18581-16	12/17/2012 12:42	59183	1.03		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-59314/1-A	12/24/2012 11:01	59314	00001.04		100
LCS 180-59314/2-A	12/24/2012 11:01	59314	1.0		100
LCSD 180-59314/3-A	12/24/2012 11:01	59314	1.0		100
240-18581-1	12/24/2012 11:01	59314	00001.03		100
240-18581-3	12/24/2012 11:01	59314	00001.02		100
240-18581-5	12/24/2012 11:01	59314	00001.03		100
240-18581-6	12/24/2012 11:01	59314	00001.00		100
240-18581-17	12/24/2012 11:01	59314	00001.04		100
240-18581-18	12/24/2012 11:01	59314	00001.01		100
240-18581-19	12/24/2012 11:01	59314	00001.00		100
240-18581-20	12/24/2012 11:01	59314	00001.00		100
240-18581-21	12/24/2012 11:01	59314	00001.00		100
240-18581-22	12/24/2012 11:01	59314	00001.02		100
240-18581-23	12/24/2012 11:01	59314	00001.01		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/18/2012 09:15 End Date: 12/18/2012 18:25

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 240-69001/1-A			09:15	X																			
IC 240-69001/2-A			09:18	X																			
IC 240-69001/3-A			09:19	X																			
IC 240-69001/4-A			09:23	X																			
IC 240-69001/5-A			09:25	X																			
IC 240-69001/6-A			09:27	X																			
ICV 240-69001/7-A	1		09:31	X																			
ICB 240-69001/8-A	1		09:34	X																			
CRA 240-69001/9-A	1		09:36	X																			
CCV 240-69001/10-A			10:19																				
CCB 240-69001/11-A			10:21																				
ZZZZZZ			10:23																				
ZZZZZZ			10:25																				
ZZZZZZ			10:27																				
ZZZZZZ			10:29																				
ZZZZZZ			10:31																				
ZZZZZZ			10:33																				
ZZZZZZ			10:35																				
ZZZZZZ			10:37																				
ZZZZZZ			10:39																				
ZZZZZZ			10:41																				
CCV 240-69001/10-A			10:43																				
CCB 240-69001/11-A			10:45																				
ZZZZZZ			10:47																				
ZZZZZZ			10:49																				
ZZZZZZ			10:51																				
ZZZZZZ			10:53																				
ZZZZZZ			10:55																				
ZZZZZZ			10:57																				
ZZZZZZ			10:59																				
ZZZZZZ			11:01																				
ZZZZZZ			11:03																				
ZZZZZZ			11:05																				
CCV 240-69001/10-A	1		11:07	X																			
CCB 240-69001/11-A	1		11:09	X																			
ZZZZZZ			11:11																				
ZZZZZZ			11:12																				
ZZZZZZ			11:14																				
MB 240-69021/1-A	1	T	11:17	X																			
LCS 240-69021/2-A	1	T	11:19	X																			
ZZZZZZ			11:22																				
ZZZZZZ			11:24																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/18/2012 09:15 End Date: 12/18/2012 18:25

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			11:26																				
240-18581-16	1	T	11:27	X																			
240-18581-11	1	T	11:29	X																			
CCV 240-69001/10-A	1		11:31	X																			
CCB 240-69001/11-A	1		11:33	X																			
ZZZZZZ			11:35																				
240-18581-10	1	T	11:37	X																			
ZZZZZZ			11:39																				
ZZZZZZ			11:41																				
240-18581-13	1	T	11:43	X																			
240-18581-15	1	T	11:45	X																			
240-18581-14	1	T	11:47	X																			
ZZZZZZ			11:49																				
240-18581-9	1	T	11:51	X																			
ZZZZZZ			11:53																				
CCV 240-69001/10-A	1		11:55	X																			
CCB 240-69001/11-A	1		11:57	X																			
ZZZZZZ			11:59																				
ZZZZZZ			12:01																				
240-18581-7	1	T	12:03	X																			
ZZZZZZ			12:05																				
240-18581-8	1	T	12:07	X																			
ZZZZZZ			12:09																				
ZZZZZZ			12:11																				
CRA 240-69001/9-A	1		12:13	X																			
ZZZZZZ			12:15																				
ZZZZZZ			12:18																				
CCV 240-69001/10-A	1		12:19	X																			
CCB 240-69001/11-A	1		12:21	X																			
ZZZZZZ			12:24																				
ZZZZZZ			12:26																				
ZZZZZZ			12:28																				
ZZZZZZ			12:30																				
CCV 240-69001/10-A			12:32																				
CCB 240-69001/11-A			12:34																				
CCV 240-69001/10-A			14:29																				
CCB 240-69001/11-A			14:31																				
ZZZZZZ			14:33																				
ZZZZZZ			14:35																				
ZZZZZZ			14:37																				
ZZZZZZ			14:39																				
ZZZZZZ			14:41																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/18/2012 09:15 End Date: 12/18/2012 18:25

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			14:42																				
ZZZZZZ			14:44																				
ZZZZZZ			14:46																				
ZZZZZZ			14:48																				
ZZZZZZ			14:51																				
CCV 240-69001/10-A			14:53																				
CCB 240-69001/11-A			14:55																				
ZZZZZZ			14:57																				
ZZZZZZ			14:59																				
ZZZZZZ			15:01																				
ZZZZZZ			15:03																				
ZZZZZZ			15:05																				
ZZZZZZ			15:07																				
ZZZZZZ			15:10																				
ZZZZZZ			15:11																				
ZZZZZZ			15:14																				
ZZZZZZ			15:16																				
CCV 240-69001/10-A			15:17																				
CCB 240-69001/11-A			15:20																				
ZZZZZZ			15:23																				
ZZZZZZ			15:25																				
ZZZZZZ			15:27																				
ZZZZZZ			15:30																				
ZZZZZZ			15:32																				
ZZZZZZ			15:35																				
ZZZZZZ			15:37																				
ZZZZZZ			15:39																				
ZZZZZZ			15:40																				
ZZZZZZ			15:42																				
CCV 240-69001/10-A			15:44																				
CCB 240-69001/11-A			15:46																				
ZZZZZZ			15:48																				
ZZZZZZ			15:50																				
ZZZZZZ			15:52																				
ZZZZZZ			15:54																				
ZZZZZZ			15:55																				
ZZZZZZ			15:58																				
ZZZZZZ			16:00																				
ZZZZZZ			16:02																				
ZZZZZZ			16:04																				
ZZZZZZ			16:06																				
CCV 240-69001/10-A			16:09																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/18/2012 09:15 End Date: 12/18/2012 18:25

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCB 240-69001/11-A			16:11																				
ZZZZZZ			16:12																				
ZZZZZZ			16:14																				
ZZZZZZ			16:16																				
ZZZZZZ			16:20																				
ZZZZZZ			16:22																				
ZZZZZZ			16:23																				
ZZZZZZ			16:26																				
ZZZZZZ			16:28																				
ZZZZZZ			16:30																				
ZZZZZZ			16:32																				
CCV 240-69001/10-A			16:34																				
CCB 240-69001/11-A			16:36																				
CCV 240-69001/10-A			16:42																				
CCB 240-69001/11-A			16:44																				
ZZZZZZ			16:46																				
ZZZZZZ			16:48																				
ZZZZZZ			16:50																				
ZZZZZZ			16:52																				
CCV 240-69001/10-A			16:59																				
CCB 240-69001/11-A			17:01																				
ZZZZZZ			17:04																				
ZZZZZZ			17:07																				
ZZZZZZ			17:09																				
ZZZZZZ			17:10																				
ZZZZZZ			17:12																				
ZZZZZZ			17:14																				
ZZZZZZ			17:16																				
ZZZZZZ			17:18																				
ZZZZZZ			17:20																				
ZZZZZZ			17:22																				
CCV 240-69001/10-A			17:25																				
CCB 240-69001/11-A			17:27																				
ZZZZZZ			17:29																				
ZZZZZZ			17:31																				
ZZZZZZ			17:33																				
ZZZZZZ			17:36																				
ZZZZZZ			17:38																				
ZZZZZZ			17:40																				
ZZZZZZ			17:42																				
ZZZZZZ			17:44																				
ZZZZZZ			17:46																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/18/2012 09:15 End Date: 12/18/2012 18:25

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			17:48																				
CCV 240-69001/10-A			17:51																				
CCB 240-69001/11-A			17:53																				
ZZZZZZ			17:55																				
ZZZZZZ			17:57																				
ZZZZZZ			17:59																				
ZZZZZZ			18:01																				
ZZZZZZ			18:03																				
ZZZZZZ			18:05																				
ZZZZZZ			18:08																				
ZZZZZZ			18:10																				
ZZZZZZ			18:12																				
ZZZZZZ			18:15																				
CCV 240-69001/10-A			18:17																				
CCB 240-69001/11-A			18:19																				
ZZZZZZ			18:21																				
CCV 240-69001/10-A			18:23																				
CCB 240-69001/11-A			18:25																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/26/2012 15:53 End Date: 12/26/2012 18:01

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 240-70130/1-A			15:53	X																			
IC 240-70130/2-A			15:54	X																			
IC 240-70130/3-A			15:56	X																			
IC 240-70130/4-A			15:58	X																			
IC 240-70130/5-A			16:00	X																			
IC 240-70130/6-A			16:03	X																			
ICV 240-70130/7-A	1		16:05	X																			
ICB 240-70130/8-A	1		16:07	X																			
CRA 240-70130/9-A	1		16:09	X																			
CCV 240-70130/10-A			16:11																				
CCB 240-70130/11-A			16:12																				
ZZZZZZ			16:14																				
ZZZZZZ			16:16																				
ZZZZZZ			16:18																				
ZZZZZZ			16:20																				
ZZZZZZ			16:22																				
ZZZZZZ			16:24																				
ZZZZZZ			16:26																				
ZZZZZZ			16:28																				
ZZZZZZ			16:30																				
ZZZZZZ			16:32																				
CCV 240-70130/10-A	1		16:34	X																			
CCB 240-70130/11-A	1		16:36	X																			
ZZZZZZ			16:38																				
ZZZZZZ			16:40																				
ZZZZZZ			16:41																				
ZZZZZZ			16:43																				
ZZZZZZ			16:45																				
MB 240-69805/1-A	1	T	16:48	X																			
LCS 240-69805/2-A	1	T	16:50	X																			
ZZZZZZ			16:53																				
ZZZZZZ			16:55																				
ZZZZZZ			16:57																				
CCV 240-70130/10-A	1		16:59	X																			
CCB 240-70130/11-A	1		17:01	X																			
240-18581-3	1	T	17:03	X																			
ZZZZZZ			17:05																				
240-18581-5	1	T	17:07	X																			
240-18581-18	1	T	17:08	X																			
ZZZZZZ			17:10																				
ZZZZZZ			17:12																				
240-18581-6	1	T	17:14	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: H4 Method: 7471/DOD

Start Date: 12/26/2012 15:53 End Date: 12/26/2012 18:01

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
240-18581-23	1	T	17:16	X																			
240-18581-21	1	T	17:18	X																			
ZZZZZZ			17:20																				
CCV 240-70130/10-A	1		17:22	X																			
CCB 240-70130/11-A	1		17:24	X																			
240-18581-17	1	T	17:26	X																			
240-18581-1	1	T	17:28	X																			
240-18581-22	1	T	17:30	X																			
240-18581-20	1	T	17:32	X																			
ZZZZZZ			17:34																				
240-18581-19	1	T	17:36	X																			
CRA 240-70130/9-A	1		17:37	X																			
ZZZZZZ			17:39																				
ZZZZZZ			17:41																				
ZZZZZZ			17:43																				
CCV 240-70130/10-A	1		17:46	X																			
CCB 240-70130/11-A	1		17:48	X																			
ZZZZZZ			17:51																				
ZZZZZZ			17:55																				
ZZZZZZ			17:57																				
CCV 240-70130/10-A			17:59																				
CCB 240-70130/11-A			18:01																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ITUNE 180-59694/1			15:41																				
STD1 180-59694/2 IC	1		22:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD2 180-59694/3 IC	1		22:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD3 180-59694/4 IC	1		22:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 180-59694/5	1		22:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 180-59694/6	1		23:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-59694/7	1		23:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 180-59694/8	1		23:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 180-59694/9	1		23:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-59694/10	1		23:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB1 180-59694/11	1		23:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 180-59183/1-A	1	T	23:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 180-59183/2-A	1	T	23:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:42																				
ZZZZZZ			23:46																				
ZZZZZZ			23:50																				
ZZZZZZ			23:55																				
ZZZZZZ			23:59																				
ZZZZZZ			00:03																				
ZZZZZZ			00:08																				
ZZZZZZ			00:12																				
CCV 180-59694/22	1		00:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB2 180-59694/23	1		00:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			00:31																				
ZZZZZZ			00:36																				
ZZZZZZ			00:40																				
ZZZZZZ			00:44																				
ZZZZZZ			00:49																				
ZZZZZZ			00:53																				
240-18581-7	1	T	00:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-8	1	T	01:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-9	1	T	01:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-10	1	T	01:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-59694/34	1		01:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB3 180-59694/35	1		01:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-11	1	T	01:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-13	1	T	01:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-14	1	T	01:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-15	1	T	01:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-16	1	T	01:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			01:51																				
MB 180-59314/1-A	1	T	01:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
LCS 180-59314/2-A	1	T	02:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 180-59314/3-A	1	T	02:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			02:12																				
CCV 180-59694/46	1		02:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB4 180-59694/47	1		02:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-1	1	T	02:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-3	1	T	02:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-3 SD	5	T	02:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-5	1	T	02:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-6	1	T	02:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-17	1	T	02:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-18	1	T	02:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-19	1	T	03:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-20	1	T	03:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-21	1	T	03:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-59694/58	1		03:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB5 180-59694/59	1		03:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-22	1	T	03:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-18581-23	1	T	03:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			03:45																				
ZZZZZZ			03:50																				
ZZZZZZ			03:54																				
ZZZZZZ			03:58																				
ZZZZZZ			04:03																				
ZZZZZZ			04:07																				
ZZZZZZ			04:11																				
CRI 180-59694/69	1		04:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-59694/70	1		04:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB6 180-59694/71	1		04:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			04:47																				
ZZZZZZ			04:51																				
ZZZZZZ			04:55																				
ZZZZZZ			05:00																				
ZZZZZZ			05:04																				
ZZZZZZ			05:08																				
ZZZZZZ			05:13																				
ZZZZZZ			05:17																				
ZZZZZZ			05:21																				
ZZZZZZ			05:26																				
CCV 180-59694/82			05:33																				
CCB7 180-59694/83			05:40																				
ZZZZZZ			05:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			05:49																					
ZZZZZZ			05:53																					
ZZZZZZ			05:58																					
ZZZZZZ			06:02																					
ZZZZZZ			06:06																					
ZZZZZZ			06:11																					
ZZZZZZ			06:15																					
ZZZZZZ			06:19																					
ZZZZZZ			06:24																					
CCV 180-59694/94			06:31																					
CCB8 180-59694/95			06:38																					
ZZZZZZ			06:43																					
ZZZZZZ			06:47																					
ZZZZZZ			06:51																					
ZZZZZZ			06:56																					
ZZZZZZ			07:00																					
ZZZZZZ			07:08																					
ZZZZZZ			07:12																					
ZZZZZZ			07:17																					
ZZZZZZ			07:21																					
ZZZZZZ			07:25																					
ZZZZZZ			07:30																					
CCV 180-59694/107			07:37																					
CCB9 180-59694/108			07:44																					
ZZZZZZ			07:49																					
ZZZZZZ			07:53																					
ZZZZZZ			07:57																					
ZZZZZZ			08:02																					
ZZZZZZ			08:06																					
ZZZZZZ			08:10																					
ZZZZZZ			08:15																					
ZZZZZZ			08:19																					
ZZZZZZ			08:23																					
ZZZZZZ			08:28																					
CCV 180-59694/119			08:35																					
CCB10 180-59694/120			08:42																					
ZZZZZZ			08:47																					
ZZZZZZ			08:51																					
ZZZZZZ			08:59																					
ZZZZZZ			09:03																					
ZZZZZZ			09:08																					
ZZZZZZ			09:12																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			09:16																					
ZZZZZZ			09:21																					
ZZZZZZ			09:25																					
ZZZZZZ			09:29																					
CCV 180-59694/131			09:37																					
CCB11 180-59694/132			09:44																					
ZZZZZZ			09:48																					
ZZZZZZ			09:53																					
ZZZZZZ			09:57																					
ZZZZZZ			10:01																					
ZZZZZZ			10:06																					
ZZZZZZ			10:10																					
ZZZZZZ			10:14																					
ZZZZZZ			10:19																					
ZZZZZZ			10:23																					
ZZZZZZ			10:27																					
CCV 180-59694/143			10:35																					
CCB12 180-59694/144			10:42																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	Type	Time	Analytes																				
				V	Zn																			
ITUNE 180-59694/1			15:41																					
STD1 180-59694/2 IC	1		22:40	X	X																			
STD2 180-59694/3 IC	1		22:45	X	X																			
STD3 180-59694/4 IC	1		22:50	X	X																			
ICV 180-59694/5	1		22:54	X	X																			
ICB 180-59694/6	1		23:01	X	X																			
CRI 180-59694/7	1		23:06	X	X																			
ICSA 180-59694/8	1		23:10	X	X																			
ICSAB 180-59694/9	1		23:14	X	X																			
CCV 180-59694/10	1		23:21	X	X																			
CCB1 180-59694/11	1		23:29	X	X																			
MB 180-59183/1-A	1	T	23:33	X	X																			
LCS 180-59183/2-A	1	T	23:37	X	X																			
ZZZZZZ			23:42																					
ZZZZZZ			23:46																					
ZZZZZZ			23:50																					
ZZZZZZ			23:55																					
ZZZZZZ			23:59																					
ZZZZZZ			00:03																					
ZZZZZZ			00:08																					
ZZZZZZ			00:12																					
CCV 180-59694/22	1		00:19	X	X																			
CCB2 180-59694/23	1		00:27	X	X																			
ZZZZZZ			00:31																					
ZZZZZZ			00:36																					
ZZZZZZ			00:40																					
ZZZZZZ			00:44																					
ZZZZZZ			00:49																					
ZZZZZZ			00:53																					
240-18581-7	1	T	00:57	X	X																			
240-18581-8	1	T	01:01	X	X																			
240-18581-9	1	T	01:06	X	X																			
240-18581-10	1	T	01:10	X	X																			
CCV 180-59694/34	1		01:17	X	X																			
CCB3 180-59694/35	1		01:25	X	X																			
240-18581-11	1	T	01:30	X	X																			
240-18581-13	1	T	01:34	X	X																			
240-18581-14	1	T	01:38	X	X																			
240-18581-15	1	T	01:43	X	X																			
240-18581-16	1	T	01:47	X	X																			
ZZZZZZ			01:51																					
MB 180-59314/1-A	1	T	01:59	X	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	Type	Time	Analytes																				
				V	Zn																			
LCS 180-59314/2-A	1	T	02:03	X	X																			
LCSD 180-59314/3-A	1	T	02:08	X	X																			
ZZZZZZ			02:12																					
CCV 180-59694/46	1		02:19	X	X																			
CCB4 180-59694/47	1		02:27	X	X																			
240-18581-1	1	T	02:32	X	X																			
240-18581-3	1	T	02:36	X	X																			
240-18581-3 SD	5	T	02:40	X	X																			
240-18581-5	1	T	02:45	X	X																			
240-18581-6	1	T	02:49	X	X																			
240-18581-17	1	T	02:53	X	X																			
240-18581-18	1	T	02:58	X	X																			
240-18581-19	1	T	03:02	X	X																			
240-18581-20	1	T	03:06	X	X																			
240-18581-21	1	T	03:11	X	X																			
CCV 180-59694/58	1		03:18	X	X																			
CCB5 180-59694/59	1		03:26	X	X																			
240-18581-22	1	T	03:33	X	X																			
240-18581-23	1	T	03:37	X	X																			
ZZZZZZ			03:45																					
ZZZZZZ			03:50																					
ZZZZZZ			03:54																					
ZZZZZZ			03:58																					
ZZZZZZ			04:03																					
ZZZZZZ			04:07																					
ZZZZZZ			04:11																					
CRI 180-59694/69	1		04:27	X	X																			
CCV 180-59694/70	1		04:35	X	X																			
CCB6 180-59694/71	1		04:43	X	X																			
ZZZZZZ			04:47																					
ZZZZZZ			04:51																					
ZZZZZZ			04:55																					
ZZZZZZ			05:00																					
ZZZZZZ			05:04																					
ZZZZZZ			05:08																					
ZZZZZZ			05:13																					
ZZZZZZ			05:17																					
ZZZZZZ			05:21																					
ZZZZZZ			05:26																					
CCV 180-59694/82			05:33																					
CCB7 180-59694/83			05:40																					
ZZZZZZ			05:45																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			05:49																				
ZZZZZZ			05:53																				
ZZZZZZ			05:58																				
ZZZZZZ			06:02																				
ZZZZZZ			06:06																				
ZZZZZZ			06:11																				
ZZZZZZ			06:15																				
ZZZZZZ			06:19																				
ZZZZZZ			06:24																				
CCV 180-59694/94			06:31																				
CCB8 180-59694/95			06:38																				
ZZZZZZ			06:43																				
ZZZZZZ			06:47																				
ZZZZZZ			06:51																				
ZZZZZZ			06:56																				
ZZZZZZ			07:00																				
ZZZZZZ			07:08																				
ZZZZZZ			07:12																				
ZZZZZZ			07:17																				
ZZZZZZ			07:21																				
ZZZZZZ			07:25																				
ZZZZZZ			07:30																				
CCV 180-59694/107			07:37																				
CCB9 180-59694/108			07:44																				
ZZZZZZ			07:49																				
ZZZZZZ			07:53																				
ZZZZZZ			07:57																				
ZZZZZZ			08:02																				
ZZZZZZ			08:06																				
ZZZZZZ			08:10																				
ZZZZZZ			08:15																				
ZZZZZZ			08:19																				
ZZZZZZ			08:23																				
ZZZZZZ			08:28																				
CCV 180-59694/119			08:35																				
CCB10 180-59694/120			08:42																				
ZZZZZZ			08:47																				
ZZZZZZ			08:51																				
ZZZZZZ			08:59																				
ZZZZZZ			09:03																				
ZZZZZZ			09:08																				
ZZZZZZ			09:12																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 12/28/2012 15:41 End Date: 12/29/2012 10:42

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			09:16																				
ZZZZZZ			09:21																				
ZZZZZZ			09:25																				
ZZZZZZ			09:29																				
CCV 180-59694/131			09:37																				
CCB11 180-59694/132			09:44																				
ZZZZZZ			09:48																				
ZZZZZZ			09:53																				
ZZZZZZ			09:57																				
ZZZZZZ			10:01																				
ZZZZZZ			10:06																				
ZZZZZZ			10:10																				
ZZZZZZ			10:14																				
ZZZZZZ			10:19																				
ZZZZZZ			10:23																				
ZZZZZZ			10:27																				
CCV 180-59694/143			10:35																				
CCB12 180-59694/144			10:42																				

Prep Types

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 12/28/2012 End Date: 12/29/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
STD1 180-59694/2 IC	22:40	100		100		100		100		100	
STD2 180-59694/3 IC	22:45	106		114		109		97		106	
STD3 180-59694/4 IC	22:50	110		115		114		111		114	
ICV 180-59694/5	22:54	107		111		116		102		106	
ICB 180-59694/6	23:01	100		114		104		103		104	
CRI 180-59694/7	23:06	100		106		99		98		100	
ICSA 180-59694/8	23:10	81		85		86		81		93	
ICSAB 180-59694/9	23:14	81		86		91		82		95	
CCV 180-59694/10	23:21	81		91		95		85		94	
CCB1 180-59694/11	23:29	86		93		96		95		98	
MB 180-59183/1-A	23:33	89		91		94		94		96	
LCS 180-59183/2-A	23:37	86		84		83		80		85	
CCV 180-59694/22	00:19	94		99		93		84		88	
CCB2 180-59694/23	00:27	103		102		96		97		94	
240-18581-7	00:57	85		89		0		72		78	
240-18581-8	01:01	98		99		0		83		88	
240-18581-9	01:06	94		98		0		83		87	
240-18581-10	01:10	89		87		0		73		78	
CCV 180-59694/34	01:17	92		92		88		80		82	
CCB3 180-59694/35	01:25	97		94		89		92		89	
240-18581-11	01:30	91		92		0		77		80	
240-18581-13	01:34	95		99		0		82		86	
240-18581-14	01:38	101		99		0		83		87	
240-18581-15	01:43	95		96		0		82		86	
240-18581-16	01:47	97		96		0		81		84	
MB 180-59314/1-A	01:59	109		115		102		97		92	
LCS 180-59314/2-A	02:03	98		98		88		86		88	
LCSD 180-59314/3-A	02:08	98		100		90		87		89	
CCV 180-59694/46	02:19	88		92		89		81		81	
CCB4 180-59694/47	02:27	111		107		97		100		88	
240-18581-1	02:32	92		106		0		87		91	
240-18581-3	02:36	94		106		0		88		91	
240-18581-3 SD	02:40	100		103		116		96		95	
240-18581-5	02:45	90		95		0		82		85	
240-18581-6	02:49	80		87		0		74		78	
240-18581-17	02:53	91		102		0		84		88	
240-18581-18	02:58	98		106		0		91		92	
240-18581-19	03:02	93		104		0		89		91	
240-18581-20	03:06	100		104		0		90		91	
240-18581-21	03:11	93		104		0		89		91	
CCV 180-59694/58	03:18	92		96		92		82		83	
CCB5 180-59694/59	03:26	104		101		91		92		86	

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 12/28/2012 End Date: 12/29/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
240-18581-22	03:33	97		103		0		86		88	
240-18581-23	03:37	91		103		0		84		88	
CRI 180-59694/69	04:27	106		96		86		89		82	
CCV 180-59694/70	04:35	96		95		87		80		78	
CCB6 180-59694/71	04:43	112		107		91		91		83	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 12/28/2012 End Date: 12/29/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 180-59694/2 IC	22:40	100		100		100					
STD2 180-59694/3 IC	22:45	106		106		89					
STD3 180-59694/4 IC	22:50	112		111		107					
ICV 180-59694/5	22:54	107		107		92					
ICB 180-59694/6	23:01	104		103		103					
CRI 180-59694/7	23:06	99		99		99					
ICSA 180-59694/8	23:10	93		93		84					
ICSAB 180-59694/9	23:14	95		94		83					
CCV 180-59694/10	23:21	96		96		86					
CCB1 180-59694/11	23:29	99		100		101					
MB 180-59183/1-A	23:33	98		98		100					
LCS 180-59183/2-A	23:37	88		89		79					
CCV 180-59694/22	00:19	88		88		78					
CCB2 180-59694/23	00:27	93		93		95					
240-18581-7	00:57	86		84		68					
240-18581-8	01:01	93		90		74					
240-18581-9	01:06	93		91		75					
240-18581-10	01:10	85		83		69					
CCV 180-59694/34	01:17	85		83		74					
CCB3 180-59694/35	01:25	89		89		94					
240-18581-11	01:30	86		84		71					
240-18581-13	01:34	92		89		74					
240-18581-14	01:38	92		89		74					
240-18581-15	01:43	90		88		73					
240-18581-16	01:47	89		87		72					
MB 180-59314/1-A	01:59	91		91		93					
LCS 180-59314/2-A	02:03	92		92		78					
LCSD 180-59314/3-A	02:08	93		93		79					
CCV 180-59694/46	02:19	81		81		74					
CCB4 180-59694/47	02:27	87		87		93					
240-18581-1	02:32	99		96		78					
240-18581-3	02:36	96		94		78					
240-18581-3 SD	02:40	95		95		88					
240-18581-5	02:45	90		89		78					
240-18581-6	02:49	85		84		73					
240-18581-17	02:53	93		90		75					
240-18581-18	02:58	95		93		81					
240-18581-19	03:02	96		94		81					
240-18581-20	03:06	91		91		81					
240-18581-21	03:11	96		94		81					
CCV 180-59694/58	03:18	82		82		76					
CCB5 180-59694/59	03:26	85		85		92					

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 12/28/2012 End Date: 12/29/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
240-18581-22	03:33	91		89		78					
240-18581-23	03:37	93		91		75					
CRI 180-59694/69	04:27	81		81		85					
CCV 180-59694/70	04:35	79		78		71					
CCB6 180-59694/71	04:43	81		81		88					

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : (7471:)

Run Date: 12/18/12 Analyst: DGH Instrument: H4

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [signature] Date/Time: 12/19/12 Reviewed from 9:15 to 18:25

Analyst: _____ Date/Time: _____ Reviewed from _____ to _____

Comments: Batch # 69324 Analyte Prep Batch # 69021 is DOD/LCG 12/19/12

Level II

Reviewer: [signature] Date/Time: 12/19/12 Reviewed from 9:15 to 18:25

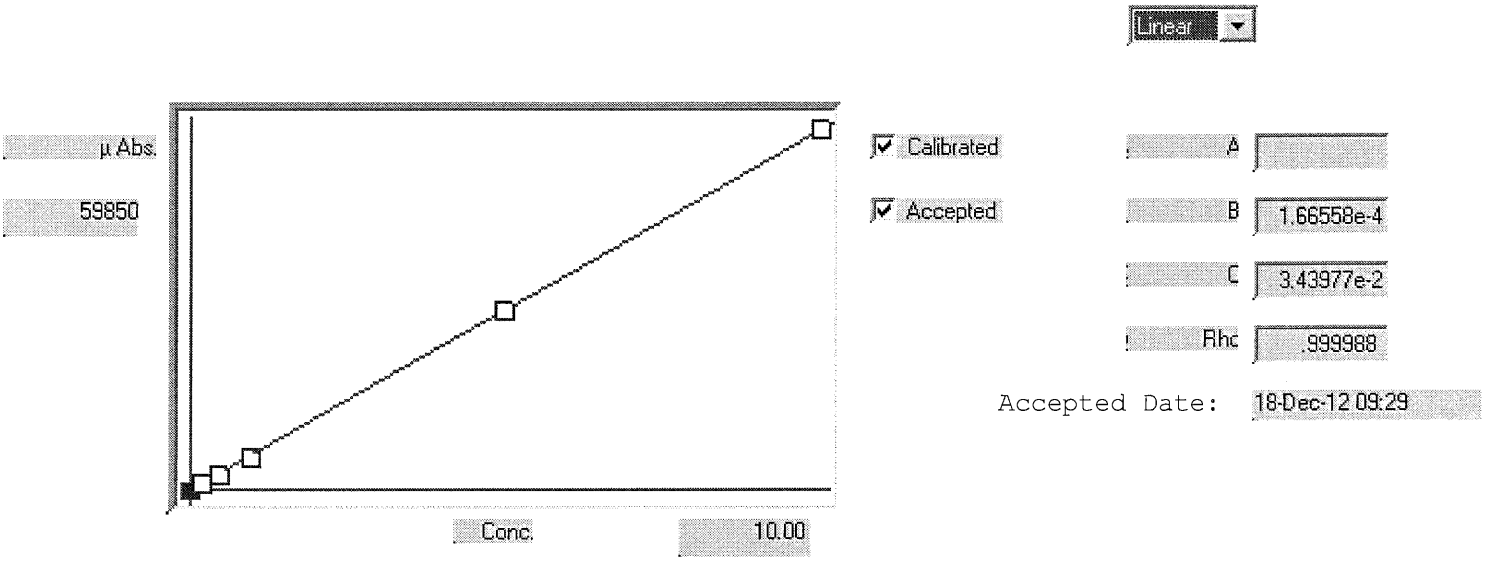
Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____

Comments _____

Curve Date 12/17/12 Curve Time 9:51 - 10:21 DILUTION H20 00012

Revised 11/29/2012

Protocol: 1218AHG4



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0367	.0367	14	0	14				
02	.20000	.1943	-.0057	961	0%	960				
03	.50000	.4828	-.0172	2693	0%	2692				
04	1.0000	.9844	-.0156	5705	0%	5704				
05	5.0000	4.999	-.0012	29807	0%	29806				
06	10.000	10.00	.0029	59851	0%	59850				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		09:15:59 18 Dec 12			HG
Hg	.0000	ppb	14						
*** Standard: 2 Rep: 1				Seq: 2		09:18:08 18 Dec 12			HG
Hg	.2000	ppb	960						
*** Standard: 3 Rep: 1				Seq: 3		09:19:58 18 Dec 12			HG
Hg	.5000	ppb	2692						
*** Standard: 4 Rep: 1				Seq: 4		09:23:10 18 Dec 12			HG
Hg	1.000	ppb	5704						
*** Standard: 5 Rep: 1				Seq: 5		09:25:12 18 Dec 12			HG
Hg	5.000	ppb	29806						
*** Standard: 6 Rep: 1				Seq: 6		09:27:26 18 Dec 12			HG
Hg	10.00	ppb	59850						

*** Check Standard: 2 Ck2ICV				Seq: 7	09:31:41 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.34	2.358	2.500	ppb	.0000

*** Check Standard: 3 Ck3ICB				Seq: 8	09:34:34 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		^^^^^^	.0321	.0000	ppb	.0000

*** Check Standard: 4 Ck4CRA\MRL				Seq: 9	09:36:52 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.73	.1895	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV				Seq: 10	10:19:13 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.93	4.997	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB				Seq: 11	10:21:04 18 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD	
Hg		-.0171	.6000	ppb	.0000	

*** Sample ID:				Seq: 12	10:23:02 18 Dec 12	HG
				mb 240-68994/1-a		
Hg	.0296	ppb	.0000	.0296		

*** Sample ID:				Seq: 13	10:25:32 18 Dec 12	HG
				lcs 240-68994/2-a		
Hg	4.742	ppb	.0000	4.742		

*** Sample ID:				Seq: 14	10:27:24 18 Dec 12	HG
				240-18894-b-1-f		
Hg	14.80 H	ppb	.0000	14.80		

*** Sample ID:				Seq: 15	10:29:14 18 Dec 12	HG
				240-18894-b-1-g ms		
Hg	17.02 H	ppb	.0000	17.02		

*** Sample ID:				Seq: 16	10:31:17 18 Dec 12	HG
				240-18894-b-1-h msd		
Hg	16.58 H	ppb	.0000	16.58		

2X

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 17	10:33:18 18 Dec 12	HG		
				240-18894-b-10-b				
Hg	2.468	ppb	.0000	2.468				
*** Sample ID:				Seq: 18	10:35:17 18 Dec 12	HG		
				240-18810-a-1-a				
Hg	.0171	ppb	.0000	.0171				
*** Sample ID:				Seq: 19	10:37:16 18 Dec 12	HG		
				240-18894-b-5-b				
2X Hg	10.49 H	ppb	.0000	10.49				
*** Sample ID:				Seq: 20	10:39:07 18 Dec 12	HG		
				240-18894-b-2-b				
10X Hg	57.12 H	ppb	.0000	57.12				
*** Sample ID:				Seq: 21	10:41:21 18 Dec 12	HG		
				240-18894-b-12-b				
Hg	2.529	ppb	.0000	2.529				

*** Check Standard: 6 Ck6CCV Seq: 22 10:43:14 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.3	5.114	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 23 10:45:08 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0039	.6000	ppb	.0000

*** Sample ID:				Seq: 24	10:47:17 18 Dec 12	HG		
				240-18889-d-10-b				
Hg	.1452	ppb	.0000	.1452				
*** Sample ID:				Seq: 25	10:49:28 18 Dec 12	HG		
				240-18889-d-9-b				
Hg	.1383	ppb	.0000	.1383				
*** Sample ID:				Seq: 26	10:51:28 18 Dec 12	HG		
				240-18894-b-4-b				
2X Hg	11.71 H	ppb	.0000	11.71				
*** Sample ID:				Seq: 27	10:53:32 18 Dec 12	HG		
				240-18894-b-13-b				
Hg	5.948	ppb	.0000	5.948				
*** Sample ID:				Seq: 28	10:55:23 18 Dec 12	HG		
				240-18894-b-3-b				
5X Hg	21.34 H	ppb	.0000	21.34				
*** Sample ID:				Seq: 29	10:57:37 18 Dec 12	HG		
				240-18889-d-11-b				
Hg	.0927	ppb	.0000	.0927				
*** Sample ID:				Seq: 30	10:59:26 18 Dec 12	HG		
				240-18894-b-14-b				
Hg	7.562	ppb	.0000	7.562				
*** Sample ID:				Seq: 31	11:01:16 18 Dec 12	HG		
				240-18889-c-8-b				
Hg	.1108	ppb	.0000	.1108				
*** Sample ID:				Seq: 32	11:03:31 18 Dec 12	HG		
				240-18889-d-2-b				
Hg	.1550	ppb	.0000	.1550				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 33 11:05:20 18 Dec 12 HG
240-18810-a-2-a
Hg .0321 ppb .0000 .0321

*** Check Standard: 6 Ck6CCV Seq: 34 11:07:21 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.6	5.180	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 35 11:09:14 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0024	.6000	ppb	.0000

*** Sample ID: Seq: 36 11:11:03 18 Dec 12 HG
240-18894-b-11-b
Hg 7.395 ppb .0000 7.395

*** Sample ID: Seq: 37 11:12:59 18 Dec 12 HG
240-18889-e-1-b
Hg .1425 ppb .0000 .1425

*** Sample ID: Seq: 38 11:14:57 18 Dec 12 HG
460-48265-f-1-m
Hg 1.564 ppb .0000 1.564

*** Sample ID: Seq: 39 11:17:39 18 Dec 12 HG
mb 240-69021/1-a
Hg .0354 ppb .0000 .0354

*** Sample ID: Seq: 40 11:19:57 18 Dec 12 HG
lcs 240-69021/2-a
Hg 4.888 ppb .0000 4.888

*** Sample ID: Seq: 41 11:22:17 18 Dec 12 HG
240-18544-u-19-e
Hg .1686 ppb .0000 .1686

*** Sample ID: Seq: 42 11:24:10 18 Dec 12 HG
240-18544-u-19-f du
Hg .1868 ppb .0000 .1868

*** Sample ID: Seq: 43 11:26:01 18 Dec 12 HG
240-18544-v-19-d ms
Hg 1.217 ppb .0000 1.217

*** Sample ID: Seq: 44 11:27:50 18 Dec 12 HG
240-18581-h-16-b
Hg .0752 ppb .0000 .0752

*** Sample ID: Seq: 45 11:29:44 18 Dec 12 HG
240-18581-h-11-b
Hg .0962 ppb .0000 .0962

*** Check Standard: 6 Ck6CCV Seq: 46 11:31:31 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.4	5.169	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 47 11:33:21 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0102	.6000	ppb	.0000

*** Sample ID: Seq: 48 11:35:25 18 Dec 12 HG
240-18544-e-31-c
Hg .1935 ppb .0000 .1935

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 49		11:37:16 18 Dec 12		HG
				240-18581-h-10-b				
Hg	.0925	ppb	.0000	.0925				
*** Sample ID:				Seq: 50		11:39:16 18 Dec 12		HG
				240-18544-e-26-c				
Hg	.1695	ppb	.0000	.1695				
*** Sample ID:				Seq: 51		11:41:10 18 Dec 12		HG
				240-18544-e-27-c				
Hg	.1678	ppb	.0000	.1678				
*** Sample ID:				Seq: 52		11:43:29 18 Dec 12		HG
				240-18581-h-13-b				
Hg	.0852	ppb	.0000	.0852				
*** Sample ID:				Seq: 53		11:45:19 18 Dec 12		HG
				240-18581-h-15-b				
Hg	.0779	ppb	.0000	.0779				
*** Sample ID:				Seq: 54		11:47:19 18 Dec 12		HG
				240-18581-h-14-b				
Hg	.0924	ppb	.0000	.0924				
*** Sample ID:				Seq: 55		11:49:18 18 Dec 12		HG
				240-18544-e-29-c				
Hg	.1402	ppb	.0000	.1402				
*** Sample ID:				Seq: 56		11:51:40 18 Dec 12		HG
				240-18581-h-9-b				
Hg	.0902	ppb	.0000	.0902				
*** Sample ID:				Seq: 57		11:53:29 18 Dec 12		HG
				240-18544-e-32-c				
Hg	.1557	ppb	.0000	.1557				

*** Check Standard: 6 Ck6CCV Seq: 58 11:55:38 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.3	5.214	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 59 11:57:26 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0156	.6000	ppb	.0000

*** Sample ID:				Seq: 60		11:59:46 18 Dec 12		HG
				240-18544-e-28-c				
Hg	.2046	ppb	.0000	.2046				
*** Sample ID:				Seq: 61		12:01:45 18 Dec 12		HG
				240-18703-h-1-b				
Hg	.0812	ppb	.0000	.0812				
*** Sample ID:				Seq: 62		12:03:55 18 Dec 12		HG
				240-18581-h-7-b				
Hg	.0855	ppb	.0000	.0855				
*** Sample ID:				Seq: 63		12:05:57 18 Dec 12		HG
				240-18544-e-34-c				
Hg	.1660	ppb	.0000	.1660				
*** Sample ID:				Seq: 64		12:07:47 18 Dec 12		HG
				240-18581-h-8-b				
Hg	.0995	ppb	.0000	.0995				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 65 12:09:37 18 Dec 12 HG
240-18544-e-33-c
Hg .1978 ppb .0000 .1978

*** Sample ID: Seq: 66 12:11:46 18 Dec 12 HG
240-18544-e-30-c
Hg .1435 ppb .0000 .1435

*** Sample ID: Seq: 67 12:13:45 18 Dec 12 HG
CRA
Hg .2131 ppb .0000 .2131

*** Sample ID: Seq: 68 12:15:55 18 Dec 12 HG
lb 240-68899/1-c
Hg .0411 ppb .0000 .0411

*** Sample ID: Seq: 69 12:18:04 18 Dec 12 HG
mb 240-68992/2-a
Hg .0492 ppb .0000 .0492

*** Check Standard: 6 Ck6CCV Seq: 70 12:19:54 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.7	5.185	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 71 12:21:54 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0157	.6000	ppb	.0000

*** Sample ID: Seq: 72 12:24:32 18 Dec 12 HG
lcs 240-68992/3-a
Hg 4.901 ppb .0000 4.901

*** Sample ID: Seq: 73 12:26:45 18 Dec 12 HG
460-48265-f-1-j
0.1500 Hg .0775 ppb .0000 .0775

*** Sample ID: Seq: 74 12:28:45 18 Dec 12 HG
460-48265-f-1-k ms
Hg 4.758 ppb .0000 4.758

*** Sample ID: Seq: 75 12:30:55 18 Dec 12 HG
460-48265-f-1-l msd
Hg 4.669 ppb .0000 4.669

*** Check Standard: 6 Ck6CCV Seq: 76 12:32:56 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.7	5.134	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 77 12:34:55 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0131	.6000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 78 14:29:42 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.0	5.002	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 79 14:31:42 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0142	.6000	ppb	.0000

*** Sample ID: Seq: 80 14:33:32 18 Dec 12 HG
mb 240-68738/1-a
Hg .0404 ppb .0000 .0404

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 81		14:35:31 18 Dec 12			HG
				lcs 240-68738/2-a					
Hg	4.324	ppb	.0000	4.324					
*** Sample ID:				Seq: 82		14:37:21 18 Dec 12			HG
				240-18774-f-1-f					
Hg	.2333	ppb	.0000	.2333					
*** Sample ID:				Seq: 83		14:39:18 18 Dec 12			HG
				240-18774-f-1-g ms					
Hg	1.249	ppb	.0000	1.249					
*** Sample ID:				Seq: 84		14:41:06 18 Dec 12			HG
				240-18774-f-1-h msd					
Hg	1.255	ppb	.0000	1.255					
*** Sample ID:				Seq: 85		14:42:59 18 Dec 12			HG
				240-18774-b-16-b					
Hg	4.031	ppb	.0000	4.031					
*** Sample ID:				Seq: 86		14:44:51 18 Dec 12			HG
				240-18733-d-6-b					
Hg	3.534	ppb	.0000	3.534					
*** Sample ID:				Seq: 87		14:46:52 18 Dec 12			HG
				240-18774-f-2-b					
Hg	.1263	ppb	.0000	.1263					
*** Sample ID:				Seq: 88		14:48:41 18 Dec 12			HG
				240-18774-b-19-b					
200X Hg	202.2 H	ppb	.0000	202.2					
*** Sample ID:				Seq: 89		14:51:23 18 Dec 12			HG
				240-18733-d-5-b					
Hg	2.348	ppb	.0000	2.348					

*** Check Standard: 6 Ck6CCV Seq: 90 14:53:12 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.4	5.171	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 91 14:55:22 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0043	.6000	ppb	.0000

*** Sample ID:				Seq: 92		14:57:15 18 Dec 12			HG
				240-18774-b-18-b					
Hg	3.871	ppb	.0000	3.871					
*** Sample ID:				Seq: 93		14:59:43 18 Dec 12			HG
				240-18733-c-4-b					
Hg	2.634	ppb	.0000	2.634					
*** Sample ID:				Seq: 94		15:01:33 18 Dec 12			HG
				240-18774-b-12-b					
2X Hg	10.05 H	ppb	.0000	10.05					
*** Sample ID:				Seq: 95		15:03:21 18 Dec 12			HG
				240-18774-b-11-b					
Hg	2.040	ppb	.0000	2.040					
*** Sample ID:				Seq: 96		15:05:22 18 Dec 12			HG
				240-18774-b-20-b					
5X Hg	23.40 H	ppb	.0000	23.40					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 97	15:07:52 18 Dec 12	HG		
				240-18733-d-3-b				
Hg	8.638	ppb	.0000	8.638				
*** Sample ID:				Seq: 98	15:10:02 18 Dec 12	HG		
				240-18774-b-10-b				
Hg	3.188	ppb	.0000	3.188				
*** Sample ID:				Seq: 99	15:11:53 18 Dec 12	HG		
				240-18774-b-15-b				
Hg	44.88 H	ppb	.0000	44.88				
*** Sample ID:				Seq: 100	15:14:15 18 Dec 12	HG		
				240-18774-b-8-b				
Hg	1.235	ppb	.0000	1.235				
*** Sample ID:				Seq: 101	15:16:05 18 Dec 12	HG		
				240-18774-b-17-b				
Hg	5.185	ppb	.0000	5.185				
*** Check Standard: 6 Ck6CCV				Seq: 102	15:17:56 18 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.4	5.219	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 103	15:20:26 18 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0294	.6000	ppb	.0000			
*** Sample ID:				Seq: 104	15:23:35 18 Dec 12	HG		
				240-18774-b-13-b				
Hg	30.75 H	ppb	.0000	30.75				
*** Sample ID:				Seq: 105	15:25:40 18 Dec 12	HG		
				240-18774-b-9-b				
Hg	1.604	ppb	.0000	1.604				
*** Sample ID:				Seq: 106	15:27:42 18 Dec 12	HG		
				240-18774-b-14-b				
Hg	22.37 H	ppb	.0000	22.37				
*** Sample ID:				Seq: 107	15:30:14 18 Dec 12	HG		
				mb 240-68731/1-a				
Hg	.0147	ppb	.0000	.0147				
*** Sample ID:				Seq: 108	15:32:23 18 Dec 12	HG		
				lcs 240-68731/2-a				
Hg	4.339	ppb	.0000	4.339				
*** Sample ID:				Seq: 109	15:35:15 18 Dec 12	HG		
				240-18733-d-1-d				
Hg	4.160	ppb	.0000	4.160				
*** Sample ID:				Seq: 110	15:37:15 18 Dec 12	HG		
				240-18733-d-1-e ms				
Hg	4.732	ppb	.0000	4.732				
*** Sample ID:				Seq: 111	15:39:07 18 Dec 12	HG		
				240-18733-d-1-f msd				
Hg	6.052	ppb	.0000	6.052				
*** Sample ID:				Seq: 112	15:40:57 18 Dec 12	HG		
				240-18713-e-31-b				
Hg	.0604	ppb	.0000	.0604				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 113 15:42:51 18 Dec 12 HG
240-18713-f-48-b
Hg .1045 ppb .0000 .1045

*** Check Standard: 6 Ck6CCV Seq: 114 15:44:40 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.7	5.383	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 115 15:46:38 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0142	.6000	ppb	.0000

*** Sample ID: Seq: 116 15:48:27 18 Dec 12 HG
240-18773-e-15-b
Hg .1015 ppb .0000 .1015

*** Sample ID: Seq: 117 15:50:16 18 Dec 12 HG
240-18773-e-24-b
Hg .1029 ppb .0000 .1029

*** Sample ID: Seq: 118 15:52:12 18 Dec 12 HG
240-18773-e-26-b
Hg 2.060 ppb .0000 2.060

*** Sample ID: Seq: 119 15:54:02 18 Dec 12 HG
240-18713-b-51-b
Hg 4.672 ppb .0000 4.672

*** Sample ID: Seq: 120 15:55:52 18 Dec 12 HG
240-18773-b-17-b
Hg .1845 ppb .0000 .1845

*** Sample ID: Seq: 121 15:58:13 18 Dec 12 HG
240-18773-e-3-b
Hg .1453 ppb .0000 .1453

*** Sample ID: Seq: 122 16:00:12 18 Dec 12 HG
240-18733-d-2-b
Hg 1.698 ppb .0000 1.698

*** Sample ID: Seq: 123 16:02:42 18 Dec 12 HG
240-18773-e-1-b
Hg .2569 ppb .0000 .2569

*** Sample ID: Seq: 124 16:04:54 18 Dec 12 HG
240-18773-e-20-b
Hg .3652 ppb .0000 .3652

*** Sample ID: Seq: 125 16:06:59 18 Dec 12 HG
240-18773-f-32-b
Hg .1039 ppb .0000 .1039

*** Check Standard: 6 Ck6CCV Seq: 126 16:09:12 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.4	5.371	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 127 16:11:06 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0092	.6000	ppb	.0000

*** Sample ID: Seq: 128 16:12:55 18 Dec 12 HG
240-18773-e-5-b
Hg .0979 ppb .0000 .0979

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 129	16:14:45 18 Dec 12	HG		
				240-18713-e-46-b				
Hg	.1448	ppb	.0000	.1448				
*** Sample ID:				Seq: 130	16:16:47 18 Dec 12	HG		
				240-18773-e-13-b				
Hg	.1040	ppb	.0000	.1040				
*** Sample ID:				Seq: 131	16:20:11 18 Dec 12	HG		
				240-18773-e-22-b				
Hg	.1185	ppb	.0000	.1185				
*** Sample ID:				Seq: 132	16:22:03 18 Dec 12	HG		
				240-18773-f-30-b				
Hg	.2942	ppb	.0000	.2942				
*** Sample ID:				Seq: 133	16:23:58 18 Dec 12	HG		
				240-18773-f-11-b				
Hg	.1920	ppb	.0000	.1920				
*** Sample ID:				Seq: 134	16:26:28 18 Dec 12	HG		
				240-18773-b-27-b				
Hg	.1055	ppb	.0000	.1055				
*** Sample ID:				Seq: 135	16:28:57 18 Dec 12	HG		
				mb 240-68723/1-a				
Hg	.0532	ppb	.0000	.0532				
*** Sample ID:				Seq: 136	16:30:59 18 Dec 12	HG		
				lcs 240-68723/2-a				
Hg	4.568	ppb	.0000	4.568				
*** Sample ID:				Seq: 137	16:32:53 18 Dec 12	HG		
				240-18713-w-20-d				
Hg	6.927	ppb	.0000	6.927				

*** Check Standard: 6 Ck6CCV			Seq: 138	16:34:43 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.1	5.306	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB			Seq: 139	16:36:42 18 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0171	.6000	ppb	.0000

*** Check Standard: 6 Ck6CCV			Seq: 140	16:42:46 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.6	5.381	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB			Seq: 141	16:44:35 18 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0066	.6000	ppb	.0000

*** Sample ID:				Seq: 142	16:46:27 18 Dec 12	HG		
				240-18713-w-20-e ms				
Hg	18.56 H	ppb	.0000	18.56				
*** Sample ID:				Seq: 143	16:48:19 18 Dec 12	HG		
				240-18713-w-20-f msd				
Hg	8.517	ppb	.0000	8.517				
*** Sample ID:				Seq: 144	16:50:11 18 Dec 12	HG		
				240-18713-e-19-b				
Hg	.0466	ppb	.0000	.0466				

3X

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 145	16:52:01 18 Dec 12	HG		
				240-18713-e-29-b				
Hg	.0909	ppb	.0000	.0909				
*** Check Standard: 6 Ck6CCV				Seq: 146	16:59:40 18 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		107.5	5.375	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 147	17:01:30 18 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0067	.6000	ppb	.0000			
*** Sample ID:				Seq: 148	17:04:59 18 Dec 12	HG		
				240-18713-h-26-b				
Hg	1.130	ppb	.0000	1.130				
*** Sample ID:				Seq: 149	17:07:12 18 Dec 12	HG		
				240-18713-g-13-b				
Hg	4.909	ppb	.0000	4.909				
*** Sample ID:				Seq: 150	17:09:01 18 Dec 12	HG		
				240-18713-f-36-b				
Hg	.0639	ppb	.0000	.0639				
*** Sample ID:				Seq: 151	17:10:50 18 Dec 12	HG		
				240-18713-e-39-b				
Hg	.1208	ppb	.0000	.1208				
*** Sample ID:				Seq: 152	17:12:50 18 Dec 12	HG		
				240-18713-h-38-b				
Hg	6.672	ppb	.0000	6.672				
*** Sample ID:				Seq: 153	17:14:43 18 Dec 12	HG		
				240-18713-e-27-b				
Hg	.9530	ppb	.0000	.9530				
*** Sample ID:				Seq: 154	17:16:35 18 Dec 12	HG		
				240-18773-e-28-b				
Hg	1.353	ppb	.0000	1.353				
*** Sample ID:				Seq: 155	17:18:36 18 Dec 12	HG		
				240-18713-f-44-b				
Hg	.1791	ppb	.0000	.1791				
*** Sample ID:				Seq: 156	17:20:30 18 Dec 12	HG		
				240-18713-e-17-b				
Hg	.1075	ppb	.0000	.1075				
*** Sample ID:				Seq: 157	17:22:54 18 Dec 12	HG		
				240-18713-e-14-b				
Hg	2.795	ppb	.0000	2.795				
*** Check Standard: 6 Ck6CCV				Seq: 158	17:25:36 18 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		108.8	5.441	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 159	17:27:26 18 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0024	.6000	ppb	.0000			
*** Sample ID:				Seq: 160	17:29:46 18 Dec 12	HG		
				240-18713-f-34-b				
Hg	.1656	ppb	.0000	.1656				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 161	17:31:38 18 Dec 12	HG		
				240-18713-e-43-b				
Hg	.1175	ppb	.0000	.1175				
*** Sample ID:				Seq: 162	17:33:49 18 Dec 12	HG		
				240-18713-e-22-b				
Hg	1.020	ppb	.0000	1.020				
*** Sample ID:				Seq: 163	17:36:40 18 Dec 12	HG		
				240-18713-e-32-b				
Hg	1.309	ppb	.0000	1.309				
*** Sample ID:				Seq: 164	17:38:44 18 Dec 12	HG		
				240-18713-f-24-b				
Hg	.1165	ppb	.0000	.1165				
*** Sample ID:				Seq: 165	17:40:46 18 Dec 12	HG		
				240-18713-e-41-b				
Hg	.1463	ppb	.0000	.1463				
*** Sample ID:				Seq: 166	17:42:36 18 Dec 12	HG		
				240-18713-f-15-b				
Hg	3.384	ppb	.0000	3.384				
*** Sample ID:				Seq: 167	17:44:59 18 Dec 12	HG		
				240-18894-b-1-f@3				
Hg	5.264	ppb	.0000	5.264				
*** Sample ID:				Seq: 168	17:46:53 18 Dec 12	HG		
				240-18894-b-1-g ms@3				
Hg	6.050	ppb	.0000	6.050				
*** Sample ID:				Seq: 169	17:48:44 18 Dec 12	HG		
				240-18894-b-1-hmsd@3				
Hg	5.760	ppb	.0000	5.760				

*** Check Standard: 6 Ck6CCV Seq: 170 17:51:04 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		109.1	5.457	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 171 17:53:14 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0322	.6000	ppb	.0000

*** Sample ID:				Seq: 172	17:55:17 18 Dec 12	HG		
				240-18894-b-5-b@2				
Hg	5.361	ppb	.0000	5.361				
*** Sample ID:				Seq: 173	17:57:39 18 Dec 12	HG		
				240-18894-b-2-b@10				
Hg	6.155	ppb	.0000	6.155				
*** Sample ID:				Seq: 174	17:59:40 18 Dec 12	HG		
				240-18894-b-4-b@2				
Hg	6.029	ppb	.0000	6.029				
*** Sample ID:				Seq: 175	18:01:43 18 Dec 12	HG		
				240-18894-b-3-b@5				
Hg	4.519	ppb	.0000	4.519				
*** Sample ID:				Seq: 176	18:03:34 18 Dec 12	HG		
				240-18774-b-19-b@200				
Hg	1.568	ppb	.0000	1.568				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 177 18:05:27 18 Dec 12 HG
240-18774-b-12-b@2
Hg 5.282 ppb .0000 5.282

*** Sample ID: Seq: 178 18:08:30 18 Dec 12 HG
240-18774-b-20-b@5
Hg 4.913 ppb .0000 4.913

*** Sample ID: Seq: 179 18:10:43 18 Dec 12 HG
240-18774-b-15-b@10
Hg 4.679 ppb .0000 4.679

*** Sample ID: Seq: 180 18:12:35 18 Dec 12 HG
240-18774-b-13-b@5
Hg 6.290 ppb .0000 6.290

*** Sample ID: Seq: 181 18:15:46 18 Dec 12 HG
240-18774-b-14-b@5
Hg 4.502 ppb .0000 4.502

*** Check Standard: 6 Ck6CCV Seq: 182 18:17:41 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		108.6	5.428	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 183 18:19:32 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0049	.6000	ppb	.0000

*** Sample ID: Seq: 184 18:21:21 18 Dec 12 HG
240-18713-w-20-ems@3
Hg 6.224 ppb .0000 6.224

*** Check Standard: 6 Ck6CCV Seq: 185 18:23:14 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.3	5.366	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 186 18:25:06 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0034	.6000	ppb	.0000

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : (7471:)

Run Date: 12/26/12 Analyst: DSH Instrument: H4

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?			✓	
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [signature] Date/Time: 12/26/12 Reviewed from 15:53 to 17:01

Analyst: [signature] Date/Time: 12/27/12 Reviewed from 17:03 to 18:01

Comments: Batch # 70191

Level II

Reviewer: [signature] Date/Time: 12/26/12 Reviewed from 15:53 to 17:01

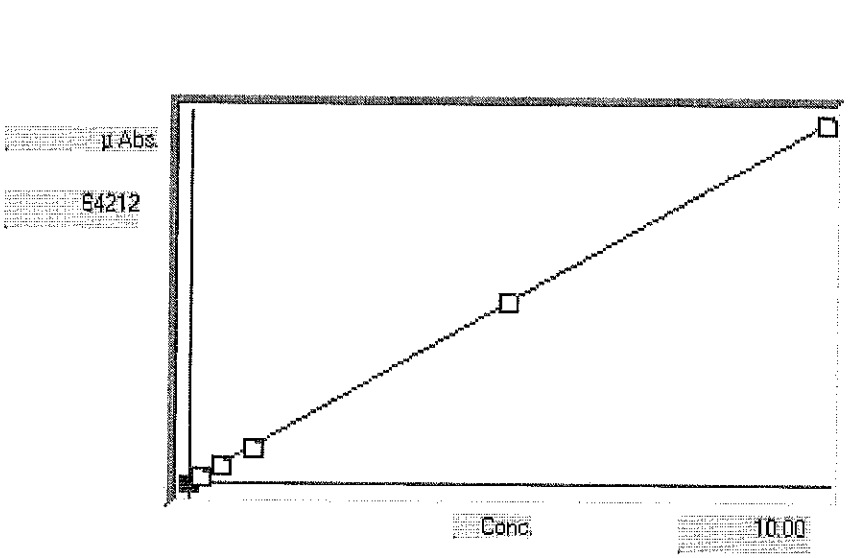
Reviewer: [signature] Date/Time: 12-27-12 Reviewed from 17:03 18:01

Comments

Curve Date 12/26/12 Curve Time 1:25 - 1:55 DILUTION H20

Revised 11/29/2012

Protocol: 1226CHG4



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	-.0119	-.0119	28	1	27				
02	.20000	.1745	-.0255	1226	0%	1225				
03	.50000	.4930	-.0070	3273	0%	3273				
04	1.0000	1.019	.0194	6657	0%	6657				
05	5.0000	5.053	.0530	32590	0%	32589				
06	10.000	9.972	-.0281	64213	0%	64212				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		15:53:06 26 Dec 12			HG
Hg	.0000	ppb	27						
*** Standard: 2 Rep: 1				Seq: 2		15:54:59 26 Dec 12			HG
Hg	.2000	ppb	1225						
*** Standard: 3 Rep: 1				Seq: 3		15:56:47 26 Dec 12			HG
Hg	.5000	ppb	3273						
*** Standard: 4 Rep: 1				Seq: 4		15:58:36 26 Dec 12			HG
Hg	1.000	ppb	6657						
*** Standard: 5 Rep: 1				Seq: 5		16:00:36 26 Dec 12			HG
Hg	5.000	ppb	32589						
*** Standard: 6 Rep: 1				Seq: 6		16:03:06 26 Dec 12			HG
Hg	10.00	ppb	64212						

*** Check Standard: 2 Ck2ICV Seq: 7 16:05:01 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		91.60	2.290	2.500	ppb	.0000

*** Check Standard: 3 Ck3ICB Seq: 8 16:07:03 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		^^^^^^	-.0256	.0000	ppb	.0000

*** Check Standard: 4 Ck4CRA\MRL Seq: 9 16:09:01 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		89.96	.1799	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 10 16:11:03 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.0	5.148	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 11 16:12:52 26 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0587	.6000	ppb	.0000

*** Sample ID: Seq: 12 16:14:41 26 Dec 12 HG
lb 240-69165/1-c

Hg	-.0120	ppb	.0000	-.0120	

*** Sample ID: Seq: 13 16:16:29 26 Dec 12 HG
mb 240-69634/2-a

Hg	-.0119	ppb	.0000	-.0119	

*** Sample ID: Seq: 14 16:18:18 26 Dec 12 HG
lcs 240-69634/3-a

Hg	4.761	ppb	.0000	4.761	

*** Sample ID: Seq: 15 16:20:32 26 Dec 12 HG
240-18710-a-1-o

Hg	.0233	ppb	.0000	.0233	

0.1999

*** Sample ID: Seq: 16 16:22:21 26 Dec 12 HG
240-18710-a-1-p ms

Hg	4.584	ppb	.0000	4.584	

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 17 16:24:10 26 Dec 12 HG
240-18710-a-1-q msd
Hg 4.518 ppb .0000 4.518

*** Sample ID: Seq: 18 16:26:19 26 Dec 12 HG
240-18707-a-1-h
0.1070 Hg .0018 ppb .0000 .0018

*** Sample ID: Seq: 19 16:28:19 26 Dec 12 HG
lb 240-69296/1-c
Hg -.0145 ppb .0000 -.0145

*** Sample ID: Seq: 20 16:30:20 26 Dec 12 HG
mb 240-69636/2-a
Hg -.0114 ppb .0000 -.0114

*** Sample ID: Seq: 21 16:32:09 26 Dec 12 HG
lcs 240-69636/3-a
Hg 4.728 ppb .0000 4.728

*** Check Standard: 6 Ck6CCV Seq: 22 16:34:12 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.0	5.150	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 23 16:36:13 26 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0340	.6000	ppb	.0000

*** Sample ID: Seq: 24 16:38:06 26 Dec 12 HG
240-18863-a-2-g
Hg -.0126 ppb .0000 -.0126

*** Sample ID: Seq: 25 16:40:04 26 Dec 12 HG
240-18863-a-2-h ms
Hg 4.011 ppb .0000 4.011

*** Sample ID: Seq: 26 16:41:56 26 Dec 12 HG
240-18863-a-2-i msd
Hg 4.114 ppb .0000 4.114

*** Sample ID: Seq: 27 16:43:50 26 Dec 12 HG
240-18864-a-1-h
Hg -.0380 ppb .0000 -.0380

*** Sample ID: Seq: 28 16:45:39 26 Dec 12 HG
240-18707-a-2-h
0.0260 Hg .0158 ppb .0000 .0158

*** Sample ID: Seq: 29 16:48:09 26 Dec 12 HG
mb 240-69805/1-a
Hg -.0064 ppb .0000 -.0064

*** Sample ID: Seq: 30 16:50:34 26 Dec 12 HG
lcs 240-69805/2-a
Hg 4.873 ppb .0000 4.873

*** Sample ID: Seq: 31 16:53:34 26 Dec 12 HG
240-18544-b-38-a
Hg .0517 ppb .0000 .0517

*** Sample ID: Seq: 32 16:55:34 26 Dec 12 HG
240-18544-b-38-b du
Hg .0685 ppb .0000 .0685

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 33 16:57:47 26 Dec 12 HG
240-18544-b-38-c ms

Hg	1.093	ppb	.0000	1.093

*** Check Standard: 6 Ck6CCV Seq: 34 16:59:47 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.9	5.196	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 35 17:01:36 26 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0655	.6000	ppb	.0000

end of review for 12/26/12

DSH

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 36	17:03:26 26 Dec 12	HG		
				240-18581-l-3-l				
Hg	.0909	ppb	.0000	.0909				
*** Sample ID:				Seq: 37	17:05:15 26 Dec 12	HG		
				240-18544-b-39-a				
Hg	.0709	ppb	.0000	.0709				
*** Sample ID:				Seq: 38	17:07:07 26 Dec 12	HG		
				240-18581-k-5-e				
Hg	.1231	ppb	.0000	.1231				
*** Sample ID:				Seq: 39	17:08:57 26 Dec 12	HG		
				240-18581-b-18-d				
Hg	.0320	ppb	.0000	.0320				
*** Sample ID:				Seq: 40	17:10:48 26 Dec 12	HG		
				240-18544-b-42-a				
Hg	1.775	ppb	.0000	1.775				
*** Sample ID:				Seq: 41	17:12:40 26 Dec 12	HG		
				240-18544-b-41-a				
Hg	.2429	ppb	.0000	.2429				
*** Sample ID:				Seq: 42	17:14:43 26 Dec 12	HG		
				240-18581-h-6-d				
Hg	.1373	ppb	.0000	.1373				
*** Sample ID:				Seq: 43	17:16:53 26 Dec 12	HG		
				240-18581-b-23-d				
Hg	.0587	ppb	.0000	.0587				
*** Sample ID:				Seq: 44	17:18:46 26 Dec 12	HG		
				240-18581-b-21-f				
Hg	.0454	ppb	.0000	.0454				
*** Sample ID:				Seq: 45	17:20:47 26 Dec 12	HG		
				240-18544-b-40-a				
Hg	.0491	ppb	.0000	.0491				
*** Check Standard: 6 Ck6CCV				Seq: 46	17:22:40 26 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.4	5.170	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 47	17:24:42 26 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0173	.6000	ppb	.0000			
*** Sample ID:				Seq: 48	17:26:41 26 Dec 12	HG		
				240-18581-b-17-d				
Hg	.0479	ppb	.0000	.0479				
*** Sample ID:				Seq: 49	17:28:34 26 Dec 12	HG		
				240-18581-m-1-n				
Hg	.1149	ppb	.0000	.1149				
*** Sample ID:				Seq: 50	17:30:29 26 Dec 12	HG		
				240-18581-b-22-d				
Hg	.0479	ppb	.0000	.0479				
*** Sample ID:				Seq: 51	17:32:20 26 Dec 12	HG		
				240-18581-b-20-d				
Hg	.0206	ppb	.0000	.0206				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 52 17:34:11 26 Dec 12 HG
240-18544-b-43-a
Hg .2123 ppb .0000 .2123

*** Sample ID: Seq: 53 17:36:00 26 Dec 12 HG
240-18581-b-19-d
Hg .0409 ppb .0000 .0409

*** Sample ID: Seq: 54 17:37:48 26 Dec 12 HG
CRA
Hg .1900 ppb .0000 .1900

*** Sample ID: Seq: 55 17:39:37 26 Dec 12 HG
lb 240-69795/1-a
Hg -.0162 ppb .0000 -.0162

*** Sample ID: Seq: 56 17:41:27 26 Dec 12 HG
mb 240-69795/2-a
Hg -.0004 ppb .0000 -.0004

*** Sample ID: Seq: 57 17:43:47 26 Dec 12 HG
lcs 240-69795/3-a
Hg 4.874 ppb .0000 4.874

*** Check Standard: 6 Ck6CCV Seq: 58 17:46:17 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.7	5.137	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 59 17:48:17 26 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0280	.6000	ppb	.0000

*** Sample ID: Seq: 60 17:51:27 26 Dec 12 HG
240-18991-a-1-e
Hg -.0058 ppb .0000 -.0058

*** Sample ID: Seq: 61 17:55:09 26 Dec 12 HG
240-18991-a-1-f ms
Hg 4.728 ppb .0000 4.728

*** Sample ID: Seq: 62 17:57:09 26 Dec 12 HG
240-18991-a-1-g msd
Hg 4.562 ppb .0000 4.562

*** Check Standard: 6 Ck6CCV Seq: 63 17:59:00 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.7	5.086	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 64 18:01:18 26 Dec 12 HG

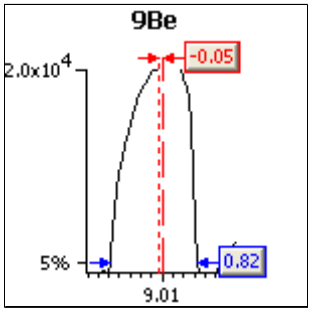
Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0210	.6000	ppb	.0000

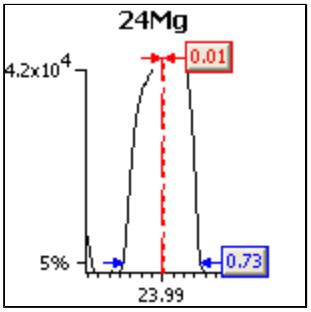
Performance Report

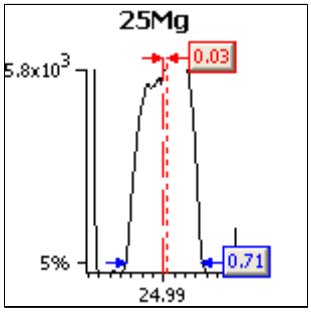
Sample details
Sample name : ITUNE
Acquired at : 12/29/2012 3:23:35 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

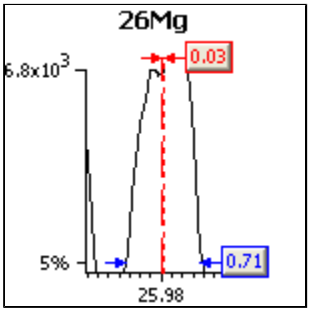
Mass Calibration verification

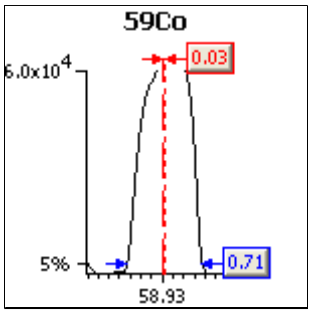
Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum

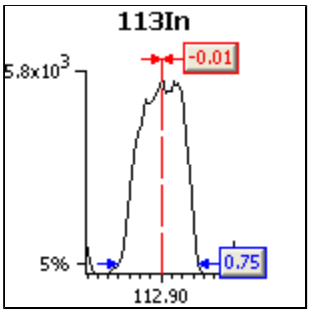


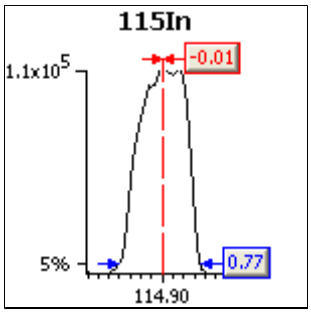


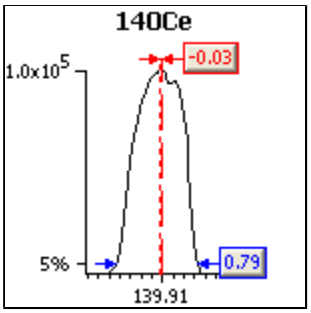


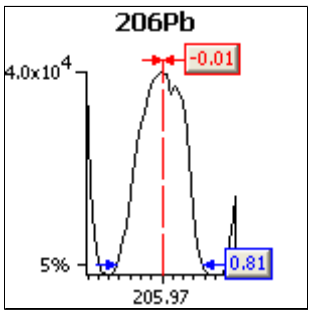


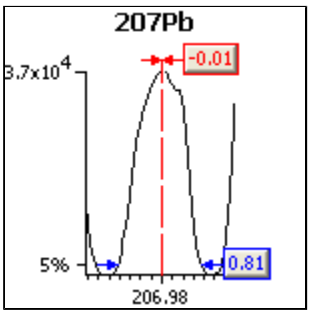


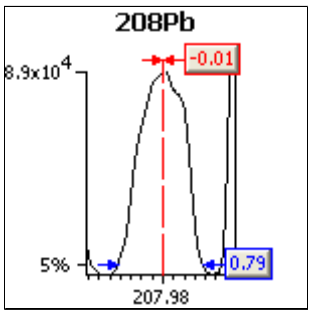












Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.82	-0.05
24Mg	0.90	0.45	0.10	0.73	0.01
25Mg	0.90	0.45	0.10	0.71	0.03
26Mg	0.90	0.45	0.10	0.71	0.03
59Co	0.90	0.45	0.10	0.71	0.03
113In	0.90	0.45	0.10	0.75	-0.01
115In	0.90	0.45	0.10	0.77	-0.01
140Ce	0.90	0.45	0.10	0.79	-0.03
206Pb	0.90	0.45	0.10	0.81	-0.01
207Pb	0.90	0.45	0.10	0.81	-0.01
208Pb	0.90	0.45	0.10	0.79	-0.01

Sample details
Sample name : ITUNE
Acquired at : 12/29/2012 3:23:35 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Tune conditions

Major	
Extraction	-114
Lens 1	2.0
Focus	26.7
D1	-37.6
Pole Bias	3.0
Hexapole Bias	-3.0
Nebuliser	0.80
Sampling Depth	150

Minor	
Lens 2	-36.1
Lens 3	-176.5
Forward power	1349
Horizontal	72
Vertical	408
D2	-160
DA	-80.0
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>500	>500	>500	>500	-	>10000	-
1	3:24:22 PM	0	15477	38422	4689	5723	204931	62050	17
2	3:25:47 PM	0	15828	39862	5177	6000	202466	64487	13
3	3:27:12 PM	0	15213	38440	5049	5760	204484	62097	13
4	3:28:38 PM	0	15635	39285	5027	5877	202840	63867	13
5	3:30:03 PM	0	15499	39631	5019	5966	200112	63991	10
x		0	15530	39128	4992	5865	202967	63299	13
σ		0.00	225.97	668.55	180.99	122.22	1908.87	1142.06	2.60
%RSD		0.000	1.455	1.709	3.625	2.084	0.940	1.804	19.301

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>5000	-	>10000	-	>500
1	3:24:22 PM	70	0	4770	105829	2620	109910	1933	42887
2	3:25:47 PM	70	0	4971	108360	2619	111665	2021	43618
3	3:27:12 PM	77	0	4836	107282	2648	111105	2000	43548
4	3:28:38 PM	80	0	4947	108505	2534	111459	1952	43264
5	3:30:03 PM	69	0	4977	108950	2596	112289	2061	43566
x		73	0	4900	107785	2603	111286	1993	43377
σ		5.03	0.03	92.28	1253.61	42.69	881.19	52.17	306.63
%RSD		6.883	223.607	1.883	1.163	1.640	0.792	2.617	0.707

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	3:24:22 PM	38927	93034	0
2	3:25:47 PM	39480	94529	0
3	3:27:12 PM	39094	93966	0
4	3:28:38 PM	39465	94809	0
5	3:30:03 PM	39552	94395	0
x		39304	94146	0
σ		275.74	692.35	0.04
%RSD		0.702	0.735	136.931

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	3:24:22 PM	0
2	3:25:47 PM	0

3	3:27:12 PM	0
4	3:28:38 PM	0
5	3:30:03 PM	0
x		0.0179
σ		0.00
%RSD		1.9984

Result : The performance report passed.

Dilution Corrected Concentrations

STD1 686021 12/29/2012 3:40:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	98.381%	0.000	-0.020	-0.109	0.000	-1.190	0.200	-0.219
2	15:41:31	99.540%	0.030	-0.032	0.119	0.000	0.816	-0.172	-0.033
3	15:42:13	102.079%	-0.031	0.052	-0.010	0.000	0.374	-0.028	0.252
x		100.000%	0.000	0.000	0.000	0.000	0.000	0.000	-0.000
σ		1.892%	0.031	0.046	0.114	0.000	1.054	0.187	0.237
%RSD		1.892	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	0.450	-0.337	0.000	0.070	-2.960	1.178	98.344%	0.071
2	15:41:31	-0.062	0.276	0.000	-0.563	-2.960	1.206	100.366%	0.016
3	15:42:13	-0.389	0.061	0.000	0.493	5.920	-2.384	101.289%	-0.087
x		-0.000	-0.000	0.000	0.000	0.000	0.000	100.000%	0.000
σ		0.423	0.311	0.000	0.531	5.127	2.065	1.506%	0.080
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	1.506	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	0.014	0.006	0.020	0.522	-0.138	0.001	-0.034	-0.017
2	15:41:31	-0.025	-0.013	0.000	-0.434	-0.075	-0.003	-0.034	0.014
3	15:42:13	0.011	0.007	-0.020	-0.088	0.213	0.003	0.068	0.004
x		-0.000	0.000	0.000	0.000	0.000	-0.000	-0.000	0.000
σ		0.022	0.011	0.020	0.484	0.187	0.003	0.059	0.016
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	-0.006	-0.151	0.047	-0.033	0.297	-0.113	0.000	0.010
2	15:41:31	0.038	0.105	0.059	0.048	-0.145	0.131	0.000	-0.002
3	15:42:13	-0.032	0.046	-0.106	-0.016	-0.152	-0.019	0.000	-0.008
x		-0.000	0.000	0.000	-0.000	0.000	-0.000	0.000	0.000
σ		0.035	0.135	0.092	0.043	0.257	0.123	0.000	0.009
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	97.392%	-0.053	0.044	97.059%	0.005	0.002	0.041	0.046
2	15:41:31	101.347%	0.044	-0.040	100.570%	-0.006	0.001	-0.056	-0.061
3	15:42:13	101.260%	0.009	-0.004	102.371%	0.001	-0.003	0.015	0.015
x		100.000%	-0.000	0.000	100.000%	-0.000	0.000	0.000	0.000
σ		2.259%	0.049	0.042	2.702%	0.006	0.003	0.050	0.055
%RSD		2.259	0.000	0.000	2.702	0.000	0.000	0.000	0.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	96.629%	0.020	-0.005	0.001	-0.026	0.015	97.186%	96.334%
2	15:41:31	100.750%	-0.109	0.007	-0.016	-0.007	-0.013	100.089%	100.975%
3	15:42:13	102.621%	0.088	-0.002	0.015	0.033	-0.002	102.725%	102.691%
x		100.000%	0.000	-0.000	0.000	-0.000	0.000	100.000%	100.000%
σ		3.066%	0.100	0.006	0.016	0.030	0.014	2.770%	3.288%
%RSD		3.066	0.000	0.000	0.000	0.000	0.000	2.770	3.288

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	0.007	-0.001	-0.004	-0.011	-0.003	96.019%
2	15:41:31	-0.002	0.004	0.007	0.009	0.000	100.978%
3	15:42:13	-0.005	-0.003	-0.003	0.002	0.003	103.003%
x		0.000	0.000	-0.000	0.000	0.000	100.000%
σ		0.006	0.004	0.006	0.010	0.003	3.593%
%RSD		0.000	0.000	0.000	0.000	0.000	3.593

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	86.913%	202.700	0.491	0.122	0.000	101600.000	101600.000	101600.000
2	15:45:44	90.430%	196.900	0.431	0.128	0.000	99000.000	98990.000	98950.000
3	15:46:26	91.091%	200.400	-0.665	0.284	0.000	99350.000	99460.000	99490.000
x		89.478%	200.000	0.086	0.178	0.000	100000.000	100000.000	100000.000
σ		2.246%	2.900	0.651	0.092	0.000	1432.000	1366.000	1381.000
%RSD		2.510	1.450	756.200	51.860	0.000	1.432	1.366	1.381

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	1022.000	-0.791	0.000	101500.000	100200.000	99590.000	87.541%	2.878
2	15:45:44	989.400	13.680	0.000	99100.000	99410.000	99390.000	91.671%	2.235
3	15:46:26	988.200	14.850	0.000	99360.000	100400.000	101000.000	93.183%	1.639
x		1000.000	9.247	0.000	100000.000	100000.000	100000.000	90.798%	2.251
σ		19.420	8.713	0.000	1336.000	512.700	882.900	2.921%	0.620
%RSD		1.942	94.220	0.000	1.336	0.513	0.883	3.217	27.530

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	199.600	200.100	998.000	50990.000	49600.000	199.500	199.100	197.700
2	15:45:44	198.400	197.200	994.700	49550.000	50040.000	198.800	199.600	199.600
3	15:46:26	202.000	202.800	1007.000	49460.000	50360.000	201.700	201.300	202.600
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		1.831	2.809	6.517	859.100	379.200	1.504	1.134	2.468
%RSD		0.916	1.405	0.652	1.718	0.758	0.752	0.567	1.234

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	199.900	198.100	200.200	195.000	198.400	195.000	0.000	199.100
2	15:45:44	198.900	198.500	197.800	202.800	201.200	200.700	0.000	201.400
3	15:46:26	201.200	203.500	202.000	202.200	200.400	204.300	0.000	199.500
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		1.163	2.997	2.085	4.316	1.441	4.721	0.000	1.218
%RSD		0.582	1.499	1.043	2.158	0.721	2.361	0.000	0.609

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	88.014%	1.250	1.637	84.062%	199.600	199.300	201.100	198.200
2	15:45:44	91.792%	1.335	1.211	88.304%	200.800	199.700	199.200	200.200
3	15:46:26	94.567%	1.000	1.449	90.657%	199.600	200.900	199.600	201.600
x		91.458%	1.195	1.432	87.674%	200.000	200.000	200.000	200.000
σ		3.290%	0.174	0.214	3.343%	0.736	0.844	0.982	1.697
%RSD		3.597	14.570	14.910	3.812	0.368	0.422	0.491	0.848

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	88.249%	1.277	0.078	0.108	197.800	199.900	93.198%	94.353%
2	15:45:44	93.517%	1.353	0.113	0.077	200.500	200.900	97.812%	99.261%
3	15:46:26	95.667%	2.092	0.140	0.148	201.800	199.200	101.975%	102.557%
x		92.478%	1.574	0.110	0.111	200.000	200.000	97.662%	98.724%
σ		3.816%	0.450	0.031	0.035	2.034	0.819	4.390%	4.128%
%RSD		4.127	28.600	28.430	31.800	1.017	0.410	4.495	4.182

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	196.900	196.600	196.100	197.000	196.900	92.703%
2	15:45:44	201.000	200.300	201.600	199.400	200.400	96.873%
3	15:46:26	202.100	203.100	202.400	203.600	202.800	98.609%
x		200.000	200.000	200.000	200.000	200.000	96.062%
σ		2.718	3.294	3.416	3.377	2.973	3.035%
%RSD		1.359	1.647	1.708	1.689	1.487	3.160

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	87.748%	0.073	196.800	200.300	0.000	74.690	74.370	72.960
2	15:49:58	89.445%	0.240	196.200	201.600	0.000	74.630	77.680	76.040
3	15:50:40	89.557%	0.071	207.000	198.100	0.000	82.030	83.460	76.830
x		88.917%	0.128	200.000	200.000	0.000	77.120	78.500	75.280
σ		1.014%	0.097	6.075	1.762	0.000	4.257	4.597	2.044
%RSD		1.140	76.000	3.038	0.881	0.000	5.520	5.856	2.715

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	20.020	10030.000	0.000	88.070	138.000	169.300	92.821%	202.600
2	15:49:58	12.640	10050.000	0.000	95.670	94.090	187.200	92.905%	197.800
3	15:50:40	9.491	9925.000	0.000	100.900	137.800	191.400	92.856%	199.700
x		14.050	10000.000	0.000	94.890	123.300	182.600	92.861%	200.000
σ		5.405	65.410	0.000	6.471	25.310	11.700	0.042%	2.420
%RSD		38.460	0.654	0.000	6.819	20.520	6.405	0.045	1.210

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	0.195	0.123	1.062	134.600	164.500	0.143	0.335	0.484
2	15:49:58	0.217	0.100	1.050	82.130	106.200	0.145	0.480	0.488
3	15:50:40	0.165	0.128	1.063	67.740	85.140	0.215	0.278	0.328
x		0.192	0.117	1.058	94.810	118.600	0.168	0.364	0.433
σ		0.026	0.015	0.007	35.170	41.110	0.041	0.104	0.091
%RSD		13.340	12.570	0.683	37.100	34.650	24.520	28.640	21.090

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	0.784	2.205	2.423	0.289	1.830	0.264	0.000	0.605
2	15:49:58	0.576	2.209	2.385	0.459	0.121	1.028	0.000	0.575
3	15:50:40	0.557	2.576	2.121	0.399	0.014	0.568	0.000	0.588
x		0.639	2.330	2.310	0.382	0.655	0.620	0.000	0.589
σ		0.126	0.213	0.165	0.086	1.019	0.385	0.000	0.015
%RSD		19.730	9.133	7.128	22.570	155.600	62.030	0.000	2.614

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	94.248%	199.200	198.900	95.554%	0.290	0.307	0.126	-0.748
2	15:49:58	95.395%	198.200	202.000	96.478%	0.294	0.235	0.283	-0.411
3	15:50:40	95.496%	202.600	199.100	96.684%	0.294	0.214	0.001	-0.779
x		95.046%	200.000	200.000	96.239%	0.292	0.252	0.137	-0.646
σ		0.694%	2.339	1.714	0.602%	0.002	0.049	0.141	0.204
%RSD		0.730	1.170	0.857	0.625	0.819	19.430	103.400	31.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	97.476%	199.500	197.600	198.800	0.241	0.595	99.883%	100.525%
2	15:49:58	99.385%	200.400	200.000	199.800	0.326	0.535	100.210%	102.201%
3	15:50:40	98.910%	200.000	202.400	201.500	0.302	0.416	101.423%	101.898%
x		98.590%	200.000	200.000	200.000	0.290	0.515	100.506%	101.541%
σ		0.994%	0.463	2.373	1.374	0.044	0.091	0.811%	0.893%
%RSD		1.008	0.232	1.187	0.687	15.010	17.670	0.807	0.879

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	0.267	0.283	0.319	0.316	0.294	102.441%
2	15:49:58	0.258	0.228	0.261	0.248	0.254	103.971%
3	15:50:40	0.240	0.270	0.249	0.180	0.215	104.500%
x		0.255	0.260	0.276	0.248	0.254	103.637%
σ		0.014	0.029	0.038	0.068	0.039	1.069%
%RSD		5.399	11.150	13.670	27.380	15.440	1.032

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	89.973%	82.530	90.530	86.040	0.000	40900.000	35850.000	36080.000
2	15:54:13	90.892%	86.170	86.960	87.900	0.000	40640.000	35960.000	36280.000
3	15:54:55	89.500%	82.190	93.450	88.280	0.000	41330.000	36760.000	36860.000
x		90.122%	104.538%	112.892%	109.256%	0.000	102.396%	90.476%	91.020%
σ		0.708%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.785	2.641	3.596	1.368	0.000	0.859	1.381	1.107

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	408.100	4452.000	0.000	41890.000	41300.000	40770.000	92.340%	87.300
2	15:54:13	408.200	4474.000	0.000	41690.000	41530.000	41060.000	93.200%	88.980
3	15:54:55	412.200	4567.000	0.000	41900.000	41850.000	41570.000	93.296%	87.430
x		102.378%	112.439%	0.000	104.562%	103.905%	102.834%	92.945%	109.879%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.526%	n/a
%RSD		0.569	1.360	0.000	0.289	0.667	0.984	0.566	1.062

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	80.910	82.610	406.900	20230.000	20140.000	82.220	82.470	83.240
2	15:54:13	82.290	83.250	414.500	20000.000	20270.000	82.340	83.840	82.330
3	15:54:55	81.710	83.830	413.500	20020.000	20460.000	83.620	85.770	85.020
x		102.045%	104.035%	102.906%	100.417%	101.428%	103.408%	105.032%	104.410%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.849	0.729	0.997	0.632	0.793	0.939	1.973	1.636

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	82.360	84.220	84.850	80.680	81.360	83.740	0.000	74.600
2	15:54:13	83.530	82.880	86.570	81.620	81.180	83.260	0.000	74.570
3	15:54:55	84.440	85.320	86.000	80.560	75.930	82.210	0.000	75.180
x		104.304%	105.176%	107.261%	101.192%	99.364%	103.836%	0.000	93.482%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.251	1.453	1.021	0.718	3.878	0.944	0.000	0.456

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	103.307%	78.680	79.380	97.108%	78.250	79.800	81.940	80.130
2	15:54:13	106.171%	79.180	80.020	100.045%	78.500	79.450	80.780	79.020
3	15:54:55	106.646%	81.510	81.420	100.385%	78.490	78.960	78.520	78.620
x		105.375%	99.738%	100.341%	99.179%	98.019%	99.253%	100.519%	99.069%
σ		1.807%	n/a	n/a	1.802%	n/a	n/a	n/a	n/a
%RSD		1.714	1.887	1.305	1.817	0.184	0.529	2.166	0.983

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	99.936%	83.070	80.870	81.980	77.740	78.920	104.529%	105.051%
2	15:54:13	103.375%	81.820	80.440	80.140	78.480	80.860	106.702%	109.095%
3	15:54:55	104.879%	80.780	82.130	80.530	79.790	80.690	108.436%	109.717%
x		102.730%	102.360%	101.435%	101.105%	98.337%	100.198%	106.556%	107.955%
σ		2.534%	n/a	n/a	n/a	n/a	n/a	1.958%	2.534%
%RSD		2.466	1.403	1.085	1.202	1.319	1.337	1.837	2.347

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	81.700	81.190	79.150	78.310	78.840	104.085%
2	15:54:13	81.510	82.680	79.290	79.650	79.610	107.037%
3	15:54:55	82.310	82.600	80.590	79.420	79.900	107.933%
x		102.300%	102.696%	99.598%	98.907%	99.318%	106.351%
σ		n/a	n/a	n/a	n/a	n/a	2.013%
%RSD		0.512	1.020	0.999	0.906	0.689	1.893

ICB 12/29/2012 4:00:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	99.768%	-0.031	0.184	0.632	0.000	-41.750	2.805	4.272
2	16:02:04	99.139%	-0.031	0.742	0.617	0.000	-37.700	3.497	4.476
3	16:02:45	99.759%	-0.031	0.623	0.394	0.000	-30.150	9.995	9.364
x		99.555%	-0.031	0.516	0.548	0.000	-36.530	5.432	6.037
σ		0.361%	0.000	0.294	0.133	0.000	5.888	3.966	2.883
%RSD		0.362	0.000	56.960	24.330	0.000	16.120	73.010	47.750

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	-4.083	6.606	0.000	12.990	5.853	6.025	102.234%	0.065
2	16:02:04	-4.052	6.346	0.000	16.550	5.768	7.953	103.322%	0.214
3	16:02:45	-3.403	6.926	0.000	20.940	49.640	15.690	102.812%	0.014
x		-3.846	6.626	0.000	16.820	20.420	9.888	102.789%	0.098
σ		0.384	0.291	0.000	3.985	25.300	5.112	0.544%	0.104
%RSD		9.980	4.388	0.000	23.680	123.900	51.700	0.530	106.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	-0.018	0.067	0.008	13.470	15.370	0.015	0.049	0.063
2	16:02:04	0.012	0.012	0.009	10.030	11.060	-0.008	-0.035	0.009
3	16:02:45	0.011	0.050	0.129	10.830	13.440	0.002	0.015	0.001
x		0.002	0.043	0.049	11.440	13.290	0.003	0.010	0.025
σ		0.017	0.028	0.070	1.802	2.161	0.011	0.042	0.034
%RSD		981.200	64.950	143.200	15.750	16.260	357.000	432.500	136.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	-0.019	0.281	0.611	-0.069	-1.270	-0.179	0.000	0.016
2	16:02:04	0.027	0.253	0.254	-0.333	-0.092	-0.994	0.000	0.011
3	16:02:45	0.259	0.639	0.657	-0.079	-1.042	-0.473	0.000	0.127
x		0.089	0.391	0.507	-0.161	-0.802	-0.549	0.000	0.051
σ		0.149	0.215	0.221	0.149	0.625	0.413	0.000	0.066
%RSD		167.200	55.110	43.530	92.990	77.930	75.180	0.000	128.400

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	103.501%	0.313	0.344	104.144%	0.019	0.025	0.085	0.023
2	16:02:04	105.086%	0.060	0.174	105.300%	0.023	0.013	-0.029	-0.122
3	16:02:45	105.867%	0.290	0.289	105.986%	0.001	0.012	0.099	-0.023
x		104.818%	0.221	0.269	105.143%	0.014	0.017	0.052	-0.041
σ		1.205%	0.140	0.087	0.931%	0.012	0.007	0.070	0.074
%RSD		1.150	63.370	32.300	0.885	82.890	43.160	135.000	181.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	103.754%	0.397	0.043	0.030	-0.032	-0.040	104.469%	104.825%
2	16:02:04	106.739%	0.075	0.041	0.018	-0.055	-0.029	107.029%	108.061%
3	16:02:45	108.219%	-0.354	0.060	0.053	0.026	-0.017	108.137%	108.887%
x		106.238%	0.040	0.048	0.034	-0.021	-0.029	106.545%	107.258%
σ		2.274%	0.377	0.010	0.018	0.042	0.012	1.881%	2.147%
%RSD		2.141	948.000	21.640	51.800	202.100	40.260	1.766	2.001

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	0.025	0.045	0.019	0.026	0.022	107.395%
2	16:02:04	0.024	0.020	0.013	0.010	0.020	109.586%
3	16:02:45	0.024	0.039	0.026	0.035	0.025	110.036%
x		0.024	0.035	0.019	0.024	0.022	109.005%
σ		0.001	0.013	0.007	0.013	0.003	1.413%
%RSD		2.670	37.300	35.400	54.230	12.220	1.296

CRI 667994 12/29/2012 4:04:58 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	89.816%	1.270	7.382	6.914	0.000	66.570	99.100	100.600
2	16:06:21	89.841%	1.203	8.335	7.797	0.000	67.670	100.800	100.800
3	16:07:03	89.236%	1.312	5.619	7.619	0.000	64.820	100.700	103.500
x		89.631%	126.158%	142.235%	148.868%	0.000	82.944%	100.183%	101.648%
σ		0.342%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.382	4.361	19.380	6.271	0.000	2.168	0.939	1.611

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	28.890	500.100	0.000	94.290	116.700	110.800	110.286%	5.399
2	16:06:21	28.540	505.600	0.000	94.720	124.100	118.100	111.083%	5.501
3	16:07:03	29.170	505.500	0.000	97.110	112.500	107.500	110.422%	4.445
x		96.220%	100.749%	0.000	95.372%	117.792%	112.135%	110.597%	102.303%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.426%	n/a
%RSD		1.098	0.622	0.000	1.592	4.988	4.823	0.385	11.380

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	0.863	1.917	4.880	49.600	69.280	0.469	1.028	1.852
2	16:06:21	0.930	1.954	4.781	48.740	62.410	0.496	1.405	2.127
3	16:07:03	0.914	1.761	4.918	48.830	59.420	0.561	1.119	1.903
x		90.256%	93.856%	97.196%	98.108%	127.404%	101.672%	118.374%	98.026%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		3.859	5.458	1.459	0.964	7.940	9.312	16.610	7.453

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	2.083	8.184	8.548	0.917	3.122	5.322	0.000	5.010
2	16:06:21	2.506	7.855	7.925	1.130	3.076	5.118	0.000	4.971
3	16:07:03	2.102	8.095	7.882	0.747	5.893	4.597	0.000	4.966
x		111.506%	160.891%	162.365%	93.121%	80.604%	100.246%	0.000	99.642%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		10.720	2.111	4.592	20.610	40.020	7.459	0.000	0.483

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	100.594%	4.786	5.035	101.963%	1.057	1.084	1.196	0.932
2	16:06:21	101.200%	5.377	5.227	102.602%	1.018	1.047	1.163	1.113
3	16:07:03	101.707%	4.938	4.863	102.229%	0.968	1.049	1.299	1.019
x		101.167%	100.675%	100.832%	102.264%	101.403%	106.011%	121.963%	102.130%
σ		0.557%	n/a	n/a	0.321%	n/a	n/a	n/a	n/a
%RSD		0.551	6.099	3.613	0.314	4.415	1.981	5.805	8.856

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	103.395%	5.354	1.929	2.063	9.938	9.920	104.032%	104.803%
2	16:06:21	103.669%	5.721	2.165	2.184	10.250	9.720	104.271%	105.328%
3	16:07:03	103.776%	5.958	2.009	2.089	9.906	9.422	103.829%	105.578%
x		103.613%	113.557%	101.710%	105.611%	100.323%	96.877%	104.044%	105.236%
σ		0.196%	n/a	n/a	n/a	n/a	n/a	0.221%	0.396%
%RSD		0.190	5.358	5.904	3.015	1.914	2.588	0.213	0.376

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	0.891	0.992	0.918	0.987	0.983	106.403%
2	16:06:21	1.117	1.012	1.010	1.038	1.003	107.866%
3	16:07:03	0.984	1.026	1.177	1.046	1.093	107.312%
x		99.712%	101.005%	103.507%	102.360%	102.635%	107.194%
σ		n/a	n/a	n/a	n/a	n/a	0.738%
%RSD		11.380	1.658	12.710	3.133	5.715	0.689

ICSA 668877 12/29/2012 4:09:15 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	86.330%	0.005	1.398	0.607	0.000	102500.000	102200.000	102300.000
2	16:10:38	87.848%	0.004	-0.275	0.579	0.000	102100.000	101400.000	101800.000
3	16:11:20	89.540%	0.037	0.326	0.358	0.000	100600.000	100300.000	100500.000
x		87.906%	0.015	0.483	0.515	0.000	101700.000	101300.000	101500.000
σ		1.606%	0.019	0.847	0.136	0.000	997.000	950.000	968.400
%RSD		1.827	124.700	175.300	26.460	0.000	0.980	0.938	0.954

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	117300.000	27.310	0.000	102700.000	104200.000	103600.000	85.202%	2277.000
2	16:10:38	116200.000	28.060	0.000	102100.000	103900.000	104400.000	87.555%	2298.000
3	16:11:20	114800.000	26.770	0.000	101100.000	104200.000	104300.000	88.830%	2268.000
x		116100.000	27.380	0.000	101900.000	104100.000	104100.000	87.196%	2281.000
σ		1262.000	0.649	0.000	841.500	167.800	423.900	1.840%	14.930
%RSD		1.087	2.370	0.000	0.825	0.161	0.407	2.111	0.655

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	-0.634	-0.031	0.542	102800.000	104900.000	0.105	0.483	1.048
2	16:10:38	-0.369	-0.035	0.528	100700.000	105100.000	0.086	0.443	1.215
3	16:11:20	-0.812	0.031	0.391	99910.000	106400.000	0.066	0.420	1.052
x		-0.605	-0.012	0.487	101100.000	105500.000	0.085	0.449	1.105
σ		0.223	0.037	0.083	1472.000	797.300	0.020	0.032	0.095
%RSD		36.880	321.600	17.100	1.456	0.756	23.010	7.151	8.614

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	1.987	4.079	2.232	0.316	-0.709	0.665	0.000	5.185
2	16:10:38	1.810	3.893	2.319	-0.392	-0.304	-0.965	0.000	4.713
3	16:11:20	1.931	3.700	1.973	-0.337	-1.114	-1.358	0.000	5.013
x		1.909	3.891	2.174	-0.138	-0.709	-0.552	0.000	4.970
σ		0.091	0.189	0.180	0.394	0.405	1.073	0.000	0.239
%RSD		4.759	4.868	8.283	285.800	57.170	194.100	0.000	4.802

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	86.527%	2159.000	2194.000	81.662%	0.095	0.076	0.576	0.354
2	16:10:38	90.693%	2145.000	2197.000	85.781%	0.059	0.090	0.316	0.103
3	16:11:20	92.156%	2163.000	2186.000	87.908%	0.087	0.079	0.980	0.241
x		89.792%	2156.000	2193.000	85.117%	0.080	0.082	0.624	0.233
σ		2.921%	9.366	5.714	3.176%	0.019	0.008	0.334	0.126
%RSD		3.253	0.435	0.261	3.731	23.460	9.217	53.580	54.010

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	88.339%	5.047	0.301	0.309	0.343	0.319	95.077%	96.486%
2	16:10:38	93.942%	4.274	0.269	0.302	0.273	0.273	98.915%	101.972%
3	16:11:20	96.996%	3.620	0.216	0.392	0.261	0.341	101.915%	103.912%
x		93.092%	4.314	0.262	0.334	0.292	0.311	98.635%	100.790%
σ		4.390%	0.715	0.043	0.050	0.044	0.035	3.428%	3.851%
%RSD		4.716	16.570	16.270	14.950	14.980	11.220	3.475	3.821

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	0.030	0.047	0.188	0.179	0.166	96.862%
2	16:10:38	0.031	0.030	0.156	0.161	0.144	98.410%
3	16:11:20	0.030	0.025	0.127	0.169	0.139	101.492%
x		0.030	0.034	0.157	0.169	0.149	98.921%
σ		0.001	0.012	0.031	0.009	0.015	2.357%
%RSD		2.840	33.770	19.500	5.200	9.796	2.383

ICSAB 668878 12/29/2012 4:13:32 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	91.109%	20.470	53.700	49.360	0.000	102200.000	101500.000	101600.000
2	16:14:56	94.240%	20.550	52.670	48.800	0.000	99910.000	99500.000	99880.000
3	16:15:37	94.288%	22.700	49.920	48.270	0.000	99950.000	99320.000	99760.000
x		93.212%	106.193%	104.194%	97.620%	0.000	100.674%	100.100%	100.414%
σ		1.822%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.955	5.946	3.750	1.109	0.000	1.282	1.198	1.025

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	115900.000	525.700	0.000	102000.000	105700.000	104900.000	90.435%	2254.000
2	16:14:56	114300.000	524.800	0.000	100800.000	103900.000	104800.000	92.036%	2245.000
3	16:15:37	113800.000	520.800	0.000	100200.000	104900.000	105100.000	92.679%	2237.000
x		114.638%	104.755%	0.000	100.999%	104.833%	104.935%	91.717%	112.271%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.155%	n/a
%RSD		0.975	0.494	0.000	0.933	0.851	0.120	1.260	0.372

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	20.510	20.050	20.400	98730.000	103600.000	19.760	19.370	20.410
2	16:14:56	19.740	20.520	20.270	97080.000	104200.000	19.910	18.650	20.470
3	16:15:37	19.850	20.250	20.930	97080.000	104300.000	20.090	20.570	21.160
x		100.181%	101.361%	102.673%	97.630%	104.055%	99.605%	97.650%	103.400%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.085	1.177	1.710	0.976	0.348	0.843	4.976	2.025

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	21.370	23.240	20.450	19.710	48.070	48.440	0.000	23.810
2	16:14:56	19.670	23.330	21.930	19.990	49.990	52.330	0.000	23.840
3	16:15:37	22.040	23.340	22.400	22.220	52.180	52.650	0.000	23.580
x		105.130%	93.225%	86.372%	103.195%	100.159%	102.283%	0.000	118.722%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		5.826	0.241	4.721	6.658	4.100	4.577	0.000	0.593

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	101.368%	2070.000	2141.000	88.426%	20.340	20.470	20.470	19.670
2	16:14:56	103.458%	2081.000	2148.000	90.684%	21.010	19.940	20.920	20.020
3	16:15:37	104.570%	2088.000	2167.000	91.161%	20.010	19.750	19.950	19.510
x		103.132%	103.998%	107.590%	90.091%	102.269%	100.258%	102.225%	98.669%
σ		1.626%	n/a	n/a	1.461%	n/a	n/a	n/a	n/a
%RSD		1.576	0.433	0.614	1.621	2.498	1.874	2.383	1.333

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	96.156%	110.400	21.320	21.470	20.900	20.460	103.455%	104.895%
2	16:14:56	99.302%	108.500	21.960	21.260	22.380	21.610	106.416%	108.235%
3	16:15:37	100.208%	110.400	21.580	21.670	21.430	21.730	108.098%	110.064%
x		98.555%	109.762%	108.098%	107.333%	107.843%	106.326%	105.990%	107.731%
σ		2.127%	n/a	n/a	n/a	n/a	n/a	2.351%	2.621%
%RSD		2.158	0.987	1.487	0.952	3.484	3.307	2.218	2.433

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	20.360	20.360	21.400	21.530	21.390	102.212%
2	16:14:56	21.090	20.700	21.360	21.310	21.450	105.234%
3	16:15:37	21.010	20.890	21.290	21.670	21.590	105.119%
x		104.115%	103.255%	106.752%	107.513%	107.397%	104.188%
σ		n/a	n/a	n/a	n/a	n/a	1.713%
%RSD		1.924	1.291	0.241	0.857	0.471	1.644

CCV 664806 12/29/2012 4:21:21 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	87.342%	102.900	107.600	97.350	0.000	50640.000	50570.000	45700.000
2	16:22:44	87.952%	100.700	105.900	99.090	0.000	50130.000	45490.000	45990.000
3	16:23:26	89.616%	104.000	96.410	99.390	0.000	49630.000	45570.000	45850.000
x		88.303%	102.567%	103.295%	98.612%	0.000	100.271%	94.421%	91.695%
σ		1.177%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.333	1.642	5.831	1.118	0.000	1.004	6.172	0.314
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	514.800	5066.000	0.000	50150.000	50850.000	50150.000	92.109%	101.400
2	16:22:44	509.400	5097.000	0.000	49920.000	50970.000	50400.000	93.088%	103.600
3	16:23:26	508.400	5082.000	0.000	49630.000	50980.000	51020.000	93.151%	100.200
x		102.170%	101.637%	0.000	99.794%	101.863%	101.046%	92.783%	101.716%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.584%	n/a
%RSD		0.679	0.307	0.000	0.526	0.139	0.883	0.629	1.741
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	97.770	99.190	503.100	24740.000	25300.000	101.200	100.500	100.200
2	16:22:44	99.300	99.940	507.600	24360.000	25300.000	101.300	100.200	101.900
3	16:23:26	101.100	101.300	510.100	24350.000	25480.000	102.100	100.900	102.400
x		99.380%	100.159%	101.382%	97.939%	101.437%	101.544%	100.534%	101.472%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.665	1.095	0.704	0.920	0.396	0.463	0.344	1.149
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	101.000	103.700	106.000	102.900	96.820	101.200	0.000	99.390
2	16:22:44	101.500	102.400	104.300	100.600	104.300	103.700	0.000	99.340
3	16:23:26	102.100	104.900	103.600	100.300	101.000	103.900	0.000	98.420
x		101.559%	103.682%	104.634%	101.275%	100.705%	102.954%	0.000	99.052%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.566	1.250	1.194	1.409	3.742	1.448	0.000	0.553
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	97.150%	103.100	103.500	95.325%	98.370	97.350	98.180	97.060
2	16:22:44	99.072%	102.500	102.700	97.379%	97.570	97.930	100.300	96.800
3	16:23:26	99.645%	105.100	103.200	97.906%	98.990	97.920	97.030	96.480
x		98.622%	103.571%	103.144%	96.870%	98.311%	97.734%	98.512%	96.781%
σ		1.307%	n/a	n/a	1.364%	n/a	n/a	n/a	n/a
%RSD		1.325	1.322	0.409	1.408	0.722	0.337	1.693	0.304
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	99.780%	99.470	100.400	99.170	97.960	96.860	104.235%	106.705%
2	16:22:44	103.954%	98.110	98.940	100.400	99.310	99.180	108.104%	109.368%
3	16:23:26	104.779%	99.330	99.130	98.250	97.890	99.830	109.767%	110.787%
x		102.838%	98.969%	99.492%	99.285%	98.386%	98.622%	107.368%	108.954%
σ		2.680%	n/a	n/a	n/a	n/a	n/a	2.838%	2.072%
%RSD		2.606	0.754	0.802	1.101	0.812	1.587	2.643	1.902
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:22:03	99.950	99.110	100.200	99.210	99.690	103.595%		
2	16:22:44	99.320	99.730	101.000	99.500	100.000	107.133%		
3	16:23:26	100.200	99.890	100.100	99.650	100.000	107.969%		
x		99.836%	99.577%	100.453%	99.454%	99.910%	106.232%		
σ		n/a	n/a	n/a	n/a	n/a	2.322%		
%RSD		0.465	0.413	0.517	0.223	0.194	2.185		

CCB1 12/29/2012 4:28:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	97.260%	-0.031	0.098	0.577	0.000	-30.430	3.497	4.598
2	16:29:52	100.338%	-0.000	0.174	0.277	0.000	-29.890	4.539	3.702
3	16:30:34	102.955%	-0.031	0.253	0.125	0.000	-25.840	8.476	7.005
x		100.184%	-0.021	0.175	0.326	0.000	-28.720	5.504	5.102
σ		2.851%	0.017	0.078	0.230	0.000	2.506	2.626	1.708
%RSD		2.845	84.690	44.330	70.480	0.000	8.726	47.710	33.480

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	-2.781	3.904	0.000	29.230	18.880	4.814	103.316%	0.264
2	16:29:52	-3.117	3.563	0.000	29.820	14.210	2.221	105.082%	0.110
3	16:30:34	-2.068	4.233	0.000	32.190	22.760	10.210	105.050%	0.011
x		-2.655	3.900	0.000	30.410	18.620	5.748	104.483%	0.129
σ		0.535	0.335	0.000	1.568	4.284	4.076	1.011%	0.128
%RSD		20.170	8.585	0.000	5.156	23.010	70.910	0.967	99.060

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	0.050	0.061	0.061	17.130	20.270	-0.020	0.048	0.042
2	16:29:52	-0.005	-0.007	0.051	11.840	16.020	-0.002	0.063	-0.037
3	16:30:34	0.029	0.022	0.067	11.170	12.920	0.004	0.014	-0.022
x		0.025	0.025	0.060	13.380	16.410	-0.006	0.041	-0.006
σ		0.027	0.034	0.008	3.266	3.691	0.013	0.025	0.042
%RSD		111.100	133.300	13.340	24.410	22.500	218.000	60.940	749.600

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	0.161	0.254	0.361	0.049	0.108	0.316	0.000	0.015
2	16:29:52	0.104	0.404	0.112	-0.128	0.211	-0.205	0.000	0.001
3	16:30:34	0.021	0.147	0.419	0.040	-0.373	-0.234	0.000	0.037
x		0.095	0.268	0.297	-0.013	-0.018	-0.041	0.000	0.018
σ		0.071	0.129	0.163	0.100	0.311	0.309	0.000	0.018
%RSD		74.120	48.170	54.820	774.200	1742.000	756.900	0.000	101.200

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	104.669%	1.012	0.862	105.402%	0.023	0.017	0.181	0.055
2	16:29:52	106.783%	0.895	0.894	107.505%	0.004	0.008	0.060	-0.043
3	16:30:34	107.976%	0.734	0.743	108.429%	0.015	0.012	0.048	-0.010
x		106.476%	0.880	0.833	107.112%	0.014	0.012	0.097	0.001
σ		1.675%	0.139	0.079	1.551%	0.009	0.004	0.073	0.050
%RSD		1.573	15.820	9.535	1.448	66.690	33.200	76.120	9152.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	106.851%	0.315	0.025	0.003	-0.055	-0.017	107.584%	108.035%
2	16:29:52	109.450%	0.353	0.032	-0.003	-0.097	-0.065	110.443%	110.689%
3	16:30:34	109.877%	0.007	0.031	0.007	-0.077	-0.030	111.243%	111.671%
x		108.726%	0.225	0.029	0.002	-0.077	-0.037	109.757%	110.132%
σ		1.638%	0.190	0.004	0.005	0.021	0.025	1.923%	1.881%
%RSD		1.506	84.160	12.760	203.600	27.240	67.270	1.752	1.708

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	0.049	0.040	0.048	0.019	0.033	110.244%
2	16:29:52	0.052	0.046	0.009	0.021	0.026	112.504%
3	16:30:34	0.040	0.051	0.014	0.011	0.022	113.573%
x		0.047	0.046	0.024	0.017	0.027	112.107%
σ		0.006	0.005	0.022	0.005	0.006	1.700%
%RSD		13.010	11.830	90.540	29.430	20.660	1.516

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	101.869%	-0.001	-0.272	0.093	0.000	-43.110	-1.320	-0.674
2	16:36:59	104.127%	-0.031	-0.077	-0.011	0.000	-42.040	-0.856	-0.232
3	16:37:41	104.301%	-0.031	-0.184	-0.136	0.000	-39.510	-1.163	-0.178
x		103.432%	-0.021	-0.178	-0.018	0.000	-41.550	-1.113	-0.361
σ		1.357%	0.017	0.098	0.115	0.000	1.849	0.236	0.273
%RSD		1.312	82.980	54.990	646.700	0.000	4.449	21.190	75.440

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	-3.589	7.524	0.000	20.640	-2.960	1.495	104.618%	-0.038
2	16:36:59	-3.488	6.341	0.000	22.060	18.280	2.605	106.030%	0.109
3	16:37:41	-3.260	7.431	0.000	22.430	9.810	1.868	105.771%	0.109
x		-3.446	7.099	0.000	21.710	8.376	1.989	105.473%	0.060
σ		0.169	0.658	0.000	0.949	10.690	0.565	0.752%	0.085
%RSD		4.889	9.265	0.000	4.369	127.600	28.370	0.713	141.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	0.110	0.050	0.001	6.206	8.026	-0.026	0.080	0.141
2	16:36:59	0.011	0.051	0.018	5.184	6.374	-0.020	0.013	0.126
3	16:37:41	-0.000	0.041	-0.002	4.357	7.457	-0.014	0.014	0.002
x		0.040	0.048	0.006	5.249	7.286	-0.020	0.036	0.090
σ		0.060	0.006	0.011	0.926	0.839	0.006	0.038	0.077
%RSD		150.600	11.640	195.200	17.640	11.520	30.160	107.600	85.250

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	0.123	1.818	1.610	-0.145	0.069	-0.427	0.000	-0.035
2	16:36:59	0.053	1.571	2.099	-0.324	-2.099	-0.902	0.000	-0.021
3	16:37:41	0.087	1.596	1.200	0.145	-1.262	0.791	0.000	-0.035
x		0.088	1.662	1.636	-0.108	-1.097	-0.179	0.000	-0.031
σ		0.035	0.136	0.450	0.237	1.093	0.873	0.000	0.008
%RSD		40.180	8.189	27.510	219.200	99.680	487.000	0.000	26.470

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	105.495%	0.484	0.395	106.009%	0.001	-0.003	0.054	0.009
2	16:36:59	106.915%	0.282	0.335	107.931%	0.004	-0.003	0.003	-0.020
3	16:37:41	106.490%	0.474	0.421	107.877%	-0.003	-0.003	0.005	-0.051
x		106.300%	0.414	0.384	107.272%	0.001	-0.003	0.020	-0.021
σ		0.729%	0.114	0.044	1.095%	0.004	0.000	0.029	0.030
%RSD		0.686	27.540	11.590	1.020	519.600	1.345	141.100	145.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	106.717%	1.604	0.009	-0.012	-0.097	-0.053	106.864%	107.934%
2	16:36:59	108.139%	1.483	-0.003	-0.023	-0.077	-0.065	109.299%	109.690%
3	16:37:41	109.307%	1.338	0.005	-0.018	-0.036	-0.030	108.903%	110.126%
x		108.054%	1.475	0.004	-0.018	-0.070	-0.049	108.356%	109.250%
σ		1.297%	0.133	0.006	0.005	0.031	0.018	1.307%	1.161%
%RSD		1.200	9.043	170.500	29.680	43.990	36.920	1.206	1.062

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	0.021	0.025	0.007	0.025	0.014	110.691%
2	16:36:59	0.016	0.015	0.014	0.018	0.017	112.159%
3	16:37:41	0.023	0.010	0.006	0.015	0.017	112.245%
x		0.020	0.017	0.009	0.019	0.016	111.698%
σ		0.003	0.008	0.005	0.005	0.002	0.874%
%RSD		17.280	46.750	50.290	26.420	9.533	0.782

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	94.663%	50.140	984.200	957.900	0.000	47880.000	42790.000	43220.000
2	16:41:13	94.972%	51.320	1024.000	979.800	0.000	47530.000	43370.000	47480.000
3	16:41:54	94.304%	50.540	1034.000	986.300	0.000	47680.000	43470.000	43880.000
x		94.646%	50.670	1014.000	974.700	0.000	47700.000	43210.000	44860.000
σ		0.335%	0.599	26.270	14.870	0.000	172.800	368.400	2293.000
%RSD		0.354	1.181	2.591	1.525	0.000	0.362	0.853	5.112

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	1905.000	9492.000	0.000	48380.000	50080.000	48890.000	92.944%	961.000
2	16:41:13	1920.000	9513.000	0.000	47630.000	49320.000	48770.000	94.877%	972.600
3	16:41:54	1926.000	9570.000	0.000	47500.000	50000.000	48960.000	94.411%	968.400
x		1917.000	9525.000	0.000	47840.000	49800.000	48870.000	94.077%	967.300
σ		10.730	40.360	0.000	472.300	417.100	94.450	1.009%	5.890
%RSD		0.560	0.424	0.000	0.987	0.838	0.193	1.072	0.609

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	488.400	194.500	489.700	921.200	1186.000	481.900	485.700	244.200
2	16:41:13	486.900	194.100	489.800	923.800	1190.000	481.900	484.900	240.700
3	16:41:54	482.600	193.900	493.400	926.700	1203.000	482.600	477.300	236.300
x		486.000	194.100	491.000	923.900	1193.000	482.100	482.600	240.400
σ		2.997	0.310	2.109	2.752	9.095	0.431	4.616	3.949
%RSD		0.617	0.160	0.430	0.298	0.762	0.089	0.957	1.643

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	238.400	510.700	514.000	38.500	10.490	10.790	0.000	953.900
2	16:41:13	237.800	515.700	522.600	38.780	8.410	9.416	0.000	961.500
3	16:41:54	240.700	515.100	516.100	37.050	11.220	9.252	0.000	960.000
x		239.000	513.800	517.600	38.110	10.040	9.820	0.000	958.400
σ		1.546	2.731	4.463	0.928	1.458	0.847	0.000	4.020
%RSD		0.647	0.532	0.862	2.434	14.520	8.622	0.000	0.419

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	97.872%	937.200	944.700	94.825%	48.360	48.300	50.520	41.420
2	16:41:13	99.837%	969.200	980.400	97.277%	48.100	49.200	51.420	41.450
3	16:41:54	99.787%	972.700	980.800	97.366%	47.900	47.570	49.540	41.690
x		99.166%	959.700	968.600	96.490%	48.120	48.360	50.500	41.520
σ		1.120%	19.590	20.760	1.442%	0.230	0.819	0.940	0.149
%RSD		1.130	2.041	2.143	1.495	0.478	1.693	1.862	0.358

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	99.840%	1964.000	490.900	491.700	1922.000	1922.000	104.752%	106.444%
2	16:41:13	102.197%	1991.000	499.700	498.900	1920.000	1928.000	108.458%	109.237%
3	16:41:54	104.372%	1973.000	493.500	494.700	1923.000	1911.000	108.673%	110.965%
x		102.137%	1976.000	494.700	495.100	1922.000	1920.000	107.294%	108.882%
σ		2.267%	14.110	4.532	3.648	1.633	8.671	2.204%	2.282%
%RSD		2.219	0.714	0.916	0.737	0.085	0.452	2.055	2.095

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	45.350	45.650	19.870	19.400	19.600	105.065%
2	16:41:13	47.030	47.170	19.800	19.780	19.940	107.389%
3	16:41:54	48.310	47.510	20.090	20.540	20.220	107.593%
x		46.900	46.780	19.920	19.910	19.920	106.683%
σ		1.484	0.989	0.152	0.579	0.311	1.404%
%RSD		3.164	2.114	0.763	2.906	1.561	1.316

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	96.502%	50.270	1007.000	968.000	0.000	47820.000	43630.000	44010.000
2	16:45:26	97.184%	49.890	980.800	979.500	0.000	47430.000	43730.000	47850.000
3	16:46:08	95.922%	49.860	1007.000	976.300	0.000	47790.000	44150.000	44700.000
x		96.536%	50.000	998.300	974.600	0.000	47680.000	43840.000	45520.000
σ		0.632%	0.230	15.140	5.938	0.000	214.600	276.600	2045.000
%RSD		0.654	0.460	1.517	0.609	0.000	0.450	0.631	4.492

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	1948.000	9833.000	0.000	49330.000	51770.000	51020.000	89.396%	1031.000
2	16:45:26	1966.000	9831.000	0.000	48900.000	51140.000	51100.000	89.284%	1015.000
3	16:46:08	1971.000	9932.000	0.000	49380.000	52020.000	51670.000	87.840%	1037.000
x		1962.000	9865.000	0.000	49200.000	51640.000	51260.000	88.840%	1028.000
σ		11.740	57.420	0.000	260.700	456.000	351.700	0.868%	11.530
%RSD		0.598	0.582	0.000	0.530	0.883	0.686	0.977	1.122

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	511.300	205.100	516.600	851.400	1088.000	511.000	514.300	255.700
2	16:45:26	513.800	205.800	517.000	851.000	1138.000	515.000	509.400	254.200
3	16:46:08	522.000	208.000	521.100	859.800	1102.000	515.600	518.400	258.300
x		515.700	206.300	518.200	854.100	1110.000	513.900	514.000	256.100
σ		5.611	1.549	2.468	4.974	25.670	2.493	4.518	2.051
%RSD		1.088	0.751	0.476	0.582	2.313	0.485	0.879	0.801

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	253.100	538.900	534.600	41.850	9.946	8.838	0.000	980.600
2	16:45:26	255.700	544.000	545.300	40.310	9.114	11.590	0.000	990.500
3	16:46:08	255.600	542.200	548.800	41.730	11.060	11.110	0.000	988.100
x		254.800	541.700	542.900	41.300	10.040	10.510	0.000	986.400
σ		1.471	2.591	7.406	0.857	0.975	1.471	0.000	5.171
%RSD		0.577	0.478	1.364	2.075	9.713	13.990	0.000	0.524

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	95.725%	985.300	993.000	92.945%	50.600	50.000	50.010	42.880
2	16:45:26	95.752%	1010.000	1007.000	94.124%	49.930	48.990	51.030	42.240
3	16:46:08	95.731%	1018.000	1020.000	93.230%	50.700	49.860	53.480	43.560
x		95.736%	1004.000	1007.000	93.433%	50.410	49.620	51.500	42.890
σ		0.014%	16.980	13.750	0.616%	0.420	0.550	1.782	0.660
%RSD		0.015	1.691	1.366	0.659	0.833	1.109	3.460	1.539

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	98.376%	2035.000	505.700	501.800	1963.000	1982.000	103.403%	106.142%
2	16:45:26	100.113%	2027.000	505.700	505.500	1971.000	1968.000	105.958%	106.819%
3	16:46:08	99.057%	2040.000	507.100	511.200	1985.000	1979.000	105.655%	106.816%
x		99.182%	2034.000	506.200	506.200	1973.000	1976.000	105.005%	106.592%
σ		0.875%	6.766	0.806	4.722	11.090	7.646	1.396%	0.390%
%RSD		0.882	0.333	0.159	0.933	0.562	0.387	1.329	0.366

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	48.770	48.170	20.640	20.940	20.670	102.466%
2	16:45:26	50.220	50.050	21.050	20.950	20.970	102.728%
3	16:46:08	50.480	50.660	21.180	20.720	21.020	102.295%
x		49.820	49.630	20.960	20.870	20.890	102.496%
σ		0.920	1.296	0.284	0.132	0.189	0.218%
%RSD		1.847	2.612	1.354	0.630	0.906	0.213

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	93.825%	-0.031	161.100	167.000	0.000	36800.000	9509.000	9571.000
2	16:49:40	95.030%	0.002	165.000	165.000	0.000	36540.000	9577.000	9581.000
3	16:50:21	94.214%	0.002	163.600	166.100	0.000	36640.000	9596.000	9608.000
x		94.356%	-0.009	163.200	166.000	0.000	36660.000	9560.000	9587.000
σ		0.615%	0.019	1.990	0.991	0.000	130.600	45.640	18.730
%RSD		0.652	204.000	1.219	0.597	0.000	0.356	0.477	0.195
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	-1.924	5947.000	0.000	1670.000	26900.000	27180.000	88.875%	3.473
2	16:49:40	-2.541	5967.000	0.000	1684.000	27500.000	27140.000	89.229%	2.179
3	16:50:21	-2.396	5914.000	0.000	1673.000	26840.000	27100.000	89.581%	1.591
x		-2.287	5942.000	0.000	1676.000	27080.000	27140.000	89.228%	2.414
σ		0.323	26.790	0.000	7.250	362.700	37.320	0.353%	0.963
%RSD		14.120	0.451	0.000	0.433	1.339	0.138	0.396	39.860
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	-0.432	0.595	52.220	228.100	317.400	0.121	0.241	1.196
2	16:49:40	-1.689	0.516	52.490	225.800	305.900	0.076	0.118	1.077
3	16:50:21	-0.953	0.488	52.670	221.600	306.000	0.040	0.103	1.087
x		-1.025	0.533	52.460	225.200	309.800	0.079	0.154	1.120
σ		0.632	0.056	0.227	3.278	6.605	0.041	0.075	0.066
%RSD		61.620	10.460	0.432	1.456	2.132	51.500	48.880	5.890
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	1.439	2.223	3.121	1.133	-0.665	-0.812	0.000	762.100
2	16:49:40	1.239	2.187	3.261	2.179	-1.222	-0.631	0.000	773.200
3	16:50:21	1.155	2.150	3.442	0.782	-1.242	-1.129	0.000	764.200
x		1.278	2.187	3.275	1.365	-1.043	-0.857	0.000	766.500
σ		0.146	0.036	0.161	0.726	0.328	0.252	0.000	5.919
%RSD		11.440	1.648	4.907	53.230	31.430	29.400	0.000	0.772
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	91.417%	12.740	12.020	89.868%	0.002	0.020	-0.005	-0.151
2	16:49:40	92.054%	7.237	7.785	90.813%	0.014	0.015	0.040	-0.114
3	16:50:21	92.772%	5.246	5.354	91.079%	0.006	0.006	0.039	-0.111
x		92.081%	8.409	8.385	90.587%	0.007	0.014	0.024	-0.125
σ		0.678%	3.884	3.372	0.637%	0.006	0.007	0.026	0.022
%RSD		0.736	46.190	40.210	0.703	85.420	50.180	106.100	17.970
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	95.449%	15.070	0.238	0.268	327.000	324.800	99.568%	101.071%
2	16:49:40	96.700%	10.480	0.156	0.169	328.800	330.500	101.270%	103.331%
3	16:50:21	97.075%	8.274	0.116	0.112	332.400	330.200	102.038%	103.130%
x		96.408%	11.270	0.170	0.183	329.400	328.500	100.959%	102.511%
σ		0.851%	3.466	0.062	0.079	2.777	3.188	1.264%	1.251%
%RSD		0.883	30.750	36.490	43.100	0.843	0.970	1.252	1.220
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:48:58	1.171	1.126	0.142	0.152	0.138	101.653%		
2	16:49:40	0.827	0.858	0.131	0.116	0.116	102.889%		
3	16:50:21	0.629	0.649	0.110	0.096	0.100	103.192%		
x		0.876	0.878	0.127	0.121	0.118	102.578%		
σ		0.274	0.239	0.016	0.029	0.019	0.816%		
%RSD		31.280	27.200	12.820	23.540	16.110	0.795		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	84.505%	0.005	39.820	40.790	0.000	7456.000	1918.000	1917.000
2	16:53:54	84.845%	0.041	39.280	39.960	0.000	7490.000	1929.000	1920.000
3	16:54:35	86.366%	-0.031	33.540	39.300	0.000	7396.000	1916.000	1914.000
x		85.239%	0.005	37.550	40.010	0.000	7447.000	1921.000	1917.000
σ		0.991%	0.036	3.482	0.749	0.000	47.430	7.123	2.879
%RSD		1.162	685.900	9.274	1.872	0.000	0.637	0.371	0.150

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	-3.372	1184.000	0.000	351.000	5627.000	5391.000	84.915%	0.829
2	16:53:54	-3.270	1186.000	0.000	355.400	5602.000	5463.000	84.961%	1.194
3	16:54:35	-3.622	1186.000	0.000	355.400	5458.000	5516.000	85.066%	0.949
x		-3.422	1185.000	0.000	353.900	5562.000	5456.000	84.981%	0.991
σ		0.181	1.191	0.000	2.530	91.220	62.960	0.078%	0.186
%RSD		5.301	0.101	0.000	0.715	1.640	1.154	0.091	18.780

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	0.121	0.146	10.500	47.310	65.180	0.205	0.300	0.542
2	16:53:54	0.050	0.061	10.430	46.640	61.300	0.127	0.199	0.470
3	16:54:35	-0.372	0.142	10.920	46.530	62.510	0.150	0.320	0.345
x		-0.067	0.116	10.620	46.830	63.000	0.161	0.273	0.452
σ		0.267	0.048	0.265	0.425	1.984	0.040	0.065	0.100
%RSD		398.000	41.360	2.491	0.907	3.150	24.650	23.910	22.100

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	0.377	0.948	1.555	0.170	-1.280	-0.838	0.000	151.900
2	16:53:54	0.493	0.650	1.543	-0.346	-0.968	-0.958	0.000	153.600
3	16:54:35	0.515	1.031	1.099	-0.477	-1.634	-1.939	0.000	153.400
x		0.462	0.876	1.399	-0.217	-1.294	-1.245	0.000	152.900
σ		0.074	0.200	0.259	0.342	0.333	0.604	0.000	0.921
%RSD		16.080	22.870	18.550	157.300	25.730	48.500	0.000	0.602

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	86.762%	2.500	2.444	86.980%	0.002	0.016	0.034	-0.042
2	16:53:54	87.800%	2.397	2.371	87.778%	0.028	0.016	0.089	-0.050
3	16:54:35	87.297%	2.114	2.050	87.587%	0.028	0.016	-0.045	-0.062
x		87.286%	2.337	2.288	87.448%	0.019	0.016	0.026	-0.051
σ		0.519%	0.200	0.210	0.417%	0.015	0.000	0.067	0.010
%RSD		0.595	8.566	9.157	0.477	76.570	0.997	260.100	19.270

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	90.617%	4.743	0.266	0.242	66.190	66.890	95.164%	95.903%
2	16:53:54	92.174%	4.147	0.188	0.297	64.420	66.080	96.237%	97.336%
3	16:54:35	91.980%	4.307	0.175	0.232	66.700	65.360	96.566%	96.393%
x		91.590%	4.399	0.209	0.257	65.770	66.110	95.989%	96.544%
σ		0.848%	0.309	0.049	0.035	1.198	0.761	0.733%	0.728%
%RSD		0.926	7.017	23.550	13.490	1.822	1.152	0.764	0.754

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	0.454	0.430	0.024	0.025	0.030	96.218%
2	16:53:54	0.433	0.407	0.024	0.032	0.029	97.303%
3	16:54:35	0.420	0.320	0.027	0.024	0.040	97.930%
x		0.436	0.385	0.025	0.027	0.033	97.150%
σ		0.017	0.058	0.002	0.004	0.006	0.866%
%RSD		3.841	15.080	6.052	14.950	18.910	0.892

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	86.384%	0.040	33.880	33.720	0.000	15360.000	5170.000	5169.000
2	16:58:09	86.428%	0.146	34.600	34.600	0.000	15350.000	5220.000	5216.000
3	16:58:51	88.002%	0.178	29.890	33.330	0.000	15120.000	5137.000	5160.000
x		86.938%	0.121	32.790	33.880	0.000	15280.000	5176.000	5182.000
σ		0.922%	0.072	2.537	0.647	0.000	135.300	42.170	29.750
%RSD		1.060	59.480	7.739	1.909	0.000	0.886	0.815	0.574

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	978.300	3459.000	0.000	2004.000	24750.000	24530.000	82.998%	9.719
2	16:58:09	981.400	3456.000	0.000	2006.000	24850.000	24430.000	83.608%	10.330
3	16:58:51	976.500	3403.000	0.000	2018.000	25180.000	24500.000	83.497%	9.842
x		978.700	3439.000	0.000	2009.000	24920.000	24490.000	83.367%	9.962
σ		2.465	31.460	0.000	7.661	224.300	47.380	0.325%	0.321
%RSD		0.252	0.915	0.000	0.381	0.900	0.194	0.390	3.224

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	0.727	1.953	264.800	2066.000	2530.000	2.808	5.267	30.350
2	16:58:09	1.140	1.810	266.900	2072.000	2603.000	2.890	6.167	29.530
3	16:58:51	1.343	1.952	267.300	2082.000	2547.000	2.863	6.894	28.550
x		1.070	1.905	266.300	2073.000	2560.000	2.854	6.110	29.470
σ		0.314	0.082	1.333	8.526	38.410	0.042	0.815	0.901
%RSD		29.330	4.307	0.501	0.411	1.500	1.460	13.340	3.058

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	27.630	27.130	28.350	0.833	-0.684	-0.927	0.000	124.800
2	16:58:09	27.530	28.080	30.350	0.035	-0.499	-2.002	0.000	126.200
3	16:58:51	30.070	27.910	26.620	0.495	-1.070	-0.067	0.000	125.800
x		28.410	27.710	28.440	0.454	-0.751	-0.999	0.000	125.600
σ		1.436	0.508	1.870	0.400	0.291	0.970	0.000	0.707
%RSD		5.055	1.833	6.573	88.080	38.760	97.090	0.000	0.563

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	86.485%	1.238	1.621	84.379%	0.034	0.032	0.224	0.152
2	16:58:09	87.674%	1.609	1.552	85.890%	0.072	0.073	0.001	0.025
3	16:58:51	87.912%	1.357	1.523	86.236%	0.029	0.035	0.008	0.117
x		87.357%	1.401	1.565	85.502%	0.045	0.046	0.078	0.098
σ		0.765%	0.190	0.050	0.988%	0.024	0.023	0.127	0.066
%RSD		0.875	13.540	3.225	1.155	53.220	48.990	162.700	67.130

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	88.135%	5.341	0.183	0.152	45.790	46.100	93.094%	94.343%
2	16:58:09	91.642%	5.105	0.189	0.162	48.870	46.890	96.223%	97.280%
3	16:58:51	91.464%	4.710	0.222	0.240	45.850	45.580	96.456%	97.519%
x		90.414%	5.052	0.198	0.185	46.840	46.190	95.258%	96.381%
σ		1.975%	0.319	0.021	0.048	1.760	0.661	1.877%	1.769%
%RSD		2.185	6.309	10.500	26.020	3.758	1.432	1.971	1.835

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	0.247	0.278	5.653	5.732	5.691	97.148%
2	16:58:09	0.215	0.271	5.806	5.670	5.715	98.242%
3	16:58:51	0.228	0.226	5.799	5.747	5.751	99.369%
x		0.230	0.258	5.753	5.716	5.719	98.253%
σ		0.016	0.028	0.086	0.041	0.030	1.111%
%RSD		6.944	10.930	1.500	0.716	0.521	1.130

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	86.269%	0.040	30.260	31.620	0.000	15830.000	4886.000	4871.000
2	17:02:25	87.806%	-0.031	29.890	30.870	0.000	15830.000	4898.000	4891.000
3	17:03:06	87.204%	0.074	30.730	30.550	0.000	15840.000	4897.000	4924.000
x		87.093%	0.028	30.300	31.010	0.000	15830.000	4894.000	4896.000
σ		0.774%	0.054	0.418	0.551	0.000	3.879	6.397	26.990
%RSD		0.889	191.500	1.380	1.777	0.000	0.024	0.131	0.551

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	570.900	2292.000	0.000	1923.000	23900.000	23240.000	81.535%	2.075
2	17:02:25	571.000	2304.000	0.000	1932.000	23460.000	23210.000	81.732%	1.499
3	17:03:06	577.800	2301.000	0.000	1930.000	23740.000	23450.000	81.500%	2.648
x		573.300	2299.000	0.000	1928.000	23700.000	23300.000	81.589%	2.074
σ		3.953	6.071	0.000	4.826	218.800	129.400	0.125%	0.575
%RSD		0.690	0.264	0.000	0.250	0.923	0.555	0.153	27.710

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	-0.553	0.747	47.960	683.100	889.200	0.222	2.718	56.360
2	17:02:25	-1.436	0.876	47.910	679.800	859.000	0.296	2.938	57.610
3	17:03:06	-0.646	0.702	48.270	681.500	868.000	0.292	2.692	57.020
x		-0.878	0.775	48.050	681.500	872.100	0.270	2.783	57.000
σ		0.486	0.090	0.194	1.610	15.500	0.042	0.135	0.622
%RSD		55.290	11.660	0.404	0.236	1.777	15.510	4.858	1.091

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	56.700	143.200	141.500	-0.644	-1.654	-2.650	0.000	120.400
2	17:02:25	56.000	140.700	142.200	-0.118	-1.087	-0.925	0.000	120.700
3	17:03:06	56.370	143.900	140.600	-0.281	-1.435	-1.087	0.000	121.900
x		56.360	142.600	141.400	-0.348	-1.392	-1.554	0.000	121.000
σ		0.351	1.663	0.774	0.270	0.286	0.952	0.000	0.778
%RSD		0.623	1.166	0.547	77.540	20.530	61.280	0.000	0.643

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	84.117%	1.194	1.451	83.342%	0.093	0.056	0.277	0.110
2	17:02:25	84.816%	1.104	1.115	84.230%	0.029	0.036	0.115	0.080
3	17:03:06	84.806%	0.915	0.938	84.030%	0.025	0.060	0.221	0.024
x		84.580%	1.071	1.168	83.868%	0.049	0.051	0.204	0.071
σ		0.401%	0.143	0.261	0.466%	0.038	0.013	0.082	0.043
%RSD		0.474	13.300	22.300	0.555	77.530	25.390	40.290	60.790

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	89.444%	3.828	0.119	0.101	35.640	34.740	93.385%	94.523%
2	17:02:25	90.105%	4.024	0.094	0.118	35.020	34.100	94.320%	96.013%
3	17:03:06	89.535%	3.858	0.142	0.094	36.250	35.930	94.484%	96.018%
x		89.695%	3.903	0.119	0.104	35.640	34.930	94.063%	95.518%
σ		0.358%	0.106	0.024	0.012	0.615	0.926	0.593%	0.862%
%RSD		0.399	2.713	20.120	11.620	1.725	2.653	0.630	0.902

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	0.183	0.160	8.535	8.144	8.240	95.499%
2	17:02:25	0.209	0.162	8.533	8.408	8.393	96.636%
3	17:03:06	0.159	0.187	8.470	8.354	8.414	96.633%
x		0.183	0.170	8.513	8.302	8.349	96.256%
σ		0.025	0.015	0.037	0.140	0.095	0.655%
%RSD		13.410	8.959	0.433	1.684	1.140	0.681

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	84.026%	0.006	2076.000	1989.000	0.000	53600.000	99270.000	98850.000
2	17:06:40	83.329%	-0.031	2120.000	2007.000	0.000	50780.000	93370.000	92930.000
3	17:07:21	84.041%	0.006	2177.000	2040.000	0.000	53660.000	99540.000	99610.000
x		83.799%	-0.006	2124.000	2012.000	0.000	52680.000	97400.000	97130.000
σ		0.407%	0.021	50.510	25.860	0.000	1643.000	3489.000	3657.000
%RSD		0.485	329.500	2.378	1.285	0.000	3.119	3.582	3.765

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	61.110	3948.000	0.000	12180.000	278000.000	321700.000	78.040%	3.972
2	17:06:40	58.810	3739.000	0.000	10940.000	246700.000	283400.000	88.584%	2.800
3	17:07:21	62.860	4034.000	0.000	12190.000	282800.000	322600.000	77.376%	4.405
x		60.920	3907.000	0.000	11770.000	269200.000	309200.000	81.333%	3.726
σ		2.031	151.500	0.000	719.600	19620.000	22330.000	6.288%	0.830
%RSD		3.334	3.877	0.000	6.114	7.287	7.222	7.731	22.290

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	0.920	0.651	38.890	185.600	598.300	0.537	3.429	1.392
2	17:06:40	1.014	0.697	35.730	162.600	514.000	0.492	2.872	1.304
3	17:07:21	2.016	0.701	38.930	182.100	577.000	0.597	3.545	1.340
x		1.317	0.683	37.850	176.800	563.100	0.542	3.282	1.345
σ		0.607	0.028	1.840	12.390	43.840	0.053	0.360	0.044
%RSD		46.110	4.056	4.861	7.009	7.786	9.785	10.960	3.303

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	2.389	23.170	24.780	2.256	11.190	11.550	0.000	498.600
2	17:06:40	1.948	22.100	22.000	0.779	7.769	10.490	0.000	495.400
3	17:07:21	2.079	24.650	22.870	1.024	11.720	13.940	0.000	502.000
x		2.139	23.310	23.220	1.353	10.220	11.990	0.000	498.600
σ		0.227	1.283	1.419	0.791	2.143	1.767	0.000	3.306
%RSD		10.600	5.506	6.111	58.490	20.960	14.730	0.000	0.663

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	78.132%	5.718	5.307	74.385%	0.009	0.009	0.032	-0.131
2	17:06:40	79.519%	5.536	5.739	75.521%	0.003	0.025	0.196	0.123
3	17:07:21	79.007%	5.605	5.690	75.746%	0.003	-0.002	0.123	0.080
x		78.886%	5.620	5.579	75.217%	0.005	0.011	0.117	0.024
σ		0.701%	0.092	0.237	0.730%	0.003	0.013	0.082	0.136
%RSD		0.889	1.633	4.239	0.970	58.360	124.600	70.340	563.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	81.776%	6.935	0.260	0.178	27.550	28.340	88.372%	88.640%
2	17:06:40	82.441%	5.935	0.232	0.189	28.370	28.110	89.528%	90.592%
3	17:07:21	83.670%	5.681	0.213	0.277	27.510	27.670	90.375%	91.571%
x		82.629%	6.184	0.235	0.215	27.810	28.040	89.425%	90.268%
σ		0.960%	0.663	0.023	0.054	0.489	0.338	1.005%	1.492%
%RSD		1.162	10.720	9.963	25.070	1.758	1.206	1.124	1.653

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	0.135	0.157	0.379	0.468	0.433	84.021%
2	17:06:40	0.122	0.154	0.458	0.375	0.422	84.591%
3	17:07:21	0.114	0.121	0.394	0.457	0.431	85.964%
x		0.123	0.144	0.410	0.433	0.429	84.859%
σ		0.011	0.020	0.042	0.051	0.006	0.999%
%RSD		8.607	13.890	10.270	11.770	1.312	1.177

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	83.667%	0.265	14.470	13.490	0.000	2293.000	3626.000	3612.000
2	17:24:29	84.693%	0.006	14.150	14.670	0.000	2282.000	3644.000	3630.000
3	17:25:11	83.027%	0.081	14.420	14.050	0.000	2315.000	3611.000	3662.000
x		83.796%	0.118	14.350	14.070	0.000	2297.000	3627.000	3635.000
σ		0.841%	0.134	0.170	0.587	0.000	16.800	16.210	25.630
%RSD		1.003	113.700	1.183	4.172	0.000	0.732	0.447	0.705

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	484.800	4727.000	0.000	988.400	19370.000	19070.000	67.378%	2.528
2	17:24:29	486.600	4754.000	0.000	992.700	19180.000	19100.000	67.969%	1.742
3	17:25:11	492.700	4781.000	0.000	990.200	19250.000	19100.000	67.901%	2.431
x		488.000	4754.000	0.000	990.400	19260.000	19090.000	67.749%	2.234
σ		4.130	26.820	0.000	2.138	96.230	19.150	0.323%	0.428
%RSD		0.846	0.564	0.000	0.216	0.500	0.100	0.477	19.170

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	-0.406	0.474	538.000	262.200	339.300	5.173	12.280	9.363
2	17:24:29	-0.620	0.597	545.200	265.000	346.700	5.260	12.720	9.530
3	17:25:11	0.284	0.559	542.100	264.400	361.700	5.395	13.270	9.411
x		-0.247	0.543	541.800	263.900	349.200	5.276	12.760	9.435
σ		0.472	0.063	3.609	1.463	11.410	0.112	0.496	0.086
%RSD		190.900	11.530	0.666	0.554	3.268	2.114	3.890	0.913

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	9.816	37.040	38.320	0.674	-1.037	0.041	0.000	45.290
2	17:24:29	9.628	38.810	37.310	0.633	-1.620	0.461	0.000	47.010
3	17:25:11	8.584	40.680	38.340	-0.484	-0.650	0.516	0.000	47.040
x		9.343	38.840	37.990	0.275	-1.102	0.339	0.000	46.450
σ		0.664	1.821	0.590	0.657	0.488	0.260	0.000	1.005
%RSD		7.104	4.688	1.552	239.400	44.290	76.590	0.000	2.163

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	70.836%	0.223	0.450	72.316%	0.004	0.010	0.279	0.326
2	17:24:29	71.476%	0.379	0.258	73.715%	0.019	-0.001	0.432	0.249
3	17:25:11	71.566%	0.424	0.296	73.416%	0.009	0.015	0.118	0.169
x		71.293%	0.342	0.335	73.149%	0.011	0.008	0.276	0.248
σ		0.398%	0.106	0.102	0.737%	0.008	0.009	0.157	0.079
%RSD		0.558	30.850	30.390	1.007	71.880	106.500	56.840	31.690

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	73.372%	6.906	0.029	-0.004	155.400	150.500	82.679%	84.158%
2	17:24:29	75.073%	6.340	0.028	0.024	155.100	151.900	84.302%	85.286%
3	17:25:11	75.561%	5.878	0.033	0.017	147.300	151.900	84.701%	86.101%
x		74.669%	6.375	0.030	0.013	152.600	151.400	83.894%	85.181%
σ		1.149%	0.515	0.003	0.014	4.619	0.815	1.071%	0.976%
%RSD		1.539	8.082	9.256	114.700	3.027	0.538	1.276	1.145

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	0.090	0.082	0.259	0.312	0.283	82.124%
2	17:24:29	0.085	0.070	0.271	0.296	0.273	81.761%
3	17:25:11	0.046	0.069	0.272	0.271	0.289	80.517%
x		0.074	0.074	0.267	0.293	0.282	81.467%
σ		0.024	0.007	0.007	0.021	0.008	0.843%
%RSD		32.880	10.020	2.650	7.079	2.828	1.035

CRI 667994 12/29/2012 5:30:55 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	75.068%	0.748	4.187	6.857	0.000	60.340	80.980	80.520
2	17:32:18	76.333%	0.938	6.605	6.543	0.000	58.580	76.700	83.230
3	17:33:00	76.124%	0.738	6.764	6.322	0.000	60.200	81.480	82.430
x		75.842%	80.816%	117.039%	131.475%	0.000	74.633%	79.718%	82.060%
σ		0.678%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.894	13.960	24.680	4.089	0.000	1.642	3.297	1.702
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	27.650	478.600	0.000	88.400	128.400	106.800	64.601%	4.809
2	17:32:18	25.760	484.000	0.000	86.770	107.500	102.500	64.648%	4.323
3	17:33:00	27.270	485.700	0.000	86.750	154.900	105.600	65.080%	5.169
x		89.650%	96.552%	0.000	87.306%	130.269%	104.982%	64.776%	95.339%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.264%	n/a
%RSD		3.725	0.762	0.000	1.086	18.210	2.101	0.407	8.897
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	0.622	1.845	5.284	44.650	59.270	0.578	1.106	2.255
2	17:32:18	0.759	1.964	5.001	45.390	56.630	0.447	1.236	1.919
3	17:33:00	0.885	1.982	5.328	44.360	50.520	0.478	0.989	2.236
x		75.541%	96.527%	104.090%	89.602%	110.944%	100.206%	111.024%	106.842%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		17.420	3.849	3.408	1.185	8.091	13.680	11.120	8.831
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	2.028	5.215	5.646	1.053	4.744	3.964	0.000	4.825
2	17:32:18	1.787	4.795	4.882	1.438	4.425	5.263	0.000	4.922
3	17:33:00	2.052	6.125	4.990	0.725	3.880	6.068	0.000	4.871
x		97.788%	107.562%	103.457%	107.182%	86.998%	101.966%	0.000	97.457%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		7.485	12.640	7.998	33.300	10.050	20.830	0.000	0.995
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	66.936%	4.959	4.390	69.839%	0.968	1.007	0.947	0.772
2	17:32:18	67.166%	4.803	4.986	71.022%	1.094	0.905	0.886	1.071
3	17:33:00	68.182%	4.708	4.520	71.134%	0.915	1.058	0.758	1.128
x		67.428%	96.472%	92.636%	70.665%	99.227%	99.007%	86.361%	99.067%
σ		0.663%	n/a	n/a	0.718%	n/a	n/a	n/a	n/a
%RSD		0.984	2.628	6.766	1.015	9.281	7.844	11.160	19.300
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	70.137%	7.270	1.959	1.919	10.930	9.690	77.676%	78.869%
2	17:32:18	70.901%	7.277	1.984	2.079	10.150	9.455	78.648%	79.352%
3	17:33:00	70.725%	7.498	2.002	1.987	9.950	10.350	78.215%	79.615%
x		70.587%	146.966%	99.087%	99.751%	103.435%	98.322%	78.180%	79.279%
σ		0.400%	n/a	n/a	n/a	n/a	n/a	0.487%	0.379%
%RSD		0.567	1.762	1.093	4.029	5.013	4.730	0.623	0.478
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:31:36	1.147	1.105	1.134	1.058	1.084	73.258%		
2	17:32:18	1.034	1.089	1.116	1.152	1.077	73.856%		
3	17:33:00	1.228	1.113	0.991	0.996	1.057	74.285%		
x		113.591%	110.231%	108.044%	106.860%	107.268%	73.800%		
σ		n/a	n/a	n/a	n/a	n/a	0.516%		
%RSD		8.585	1.095	7.189	7.320	1.280	0.699		

CCV 664806 12/29/2012 5:35:11 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	72.844%	108.700	114.900	103.800	0.000	51350.000	44720.000	45070.000
2	17:36:34	74.030%	104.800	103.200	103.600	0.000	50950.000	45320.000	45520.000
3	17:37:16	75.622%	106.700	107.100	105.900	0.000	50970.000	45460.000	45730.000
x		74.165%	106.744%	108.413%	104.432%	0.000	102.178%	90.335%	90.879%
σ		1.394%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.880	1.851	5.510	1.218	0.000	0.447	0.866	0.748

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	503.300	5138.000	0.000	52290.000	53100.000	51580.000	70.174%	107.300
2	17:36:34	502.600	5157.000	0.000	51580.000	52120.000	51750.000	71.529%	102.800
3	17:37:16	509.100	5155.000	0.000	51720.000	53060.000	52610.000	72.216%	108.900
x		100.999%	103.000%	0.000	103.719%	105.523%	103.955%	71.306%	106.322%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.039%	n/a
%RSD		0.712	0.198	0.000	0.725	1.051	1.062	1.457	2.989

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	102.000	103.700	512.000	26170.000	25630.000	103.200	103.400	102.700
2	17:36:34	104.400	104.400	518.900	25740.000	26030.000	101.800	103.900	103.100
3	17:37:16	104.000	104.700	525.600	25840.000	26180.000	103.300	106.700	102.700
x		103.497%	104.295%	103.768%	103.669%	103.784%	102.809%	104.632%	102.803%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.233	0.503	1.317	0.872	1.080	0.818	1.700	0.216

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	98.850	105.200	105.700	100.600	99.860	101.100	0.000	99.250
2	17:36:34	103.800	106.600	103.800	100.600	100.500	101.400	0.000	100.400
3	17:37:16	99.860	103.600	107.900	98.920	96.530	101.400	0.000	99.870
x		100.833%	105.101%	105.788%	100.057%	98.965%	101.300%	0.000	99.848%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.582	1.432	1.968	0.985	2.159	0.151	0.000	0.592

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	76.276%	99.560	100.500	74.123%	99.860	99.720	101.500	99.830
2	17:36:34	78.224%	103.200	101.600	76.682%	100.400	98.260	97.640	99.420
3	17:37:16	80.003%	103.300	104.200	78.750%	98.780	98.800	100.600	98.840
x		78.168%	102.009%	102.073%	76.518%	99.694%	98.925%	99.888%	99.361%
σ		1.864%	n/a	n/a	2.318%	n/a	n/a	n/a	n/a
%RSD		2.385	2.078	1.855	3.029	0.848	0.744	1.997	0.498

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	77.626%	101.200	100.000	102.700	95.930	96.480	83.675%	84.793%
2	17:36:34	82.162%	98.680	100.300	99.970	96.460	96.180	87.465%	88.484%
3	17:37:16	83.320%	100.600	101.400	101.700	99.760	98.690	89.180%	91.039%
x		81.036%	100.148%	100.564%	101.480%	97.386%	97.116%	86.774%	88.105%
σ		3.010%	n/a	n/a	n/a	n/a	n/a	2.817%	3.140%
%RSD		3.714	1.309	0.764	1.379	2.129	1.416	3.246	3.564

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	98.600	98.620	100.000	98.990	100.100	84.294%
2	17:36:34	100.800	100.100	101.400	101.200	101.300	87.838%
3	17:37:16	101.400	100.500	101.400	101.300	101.500	89.336%
x		100.272%	99.760%	100.944%	100.509%	100.971%	87.156%
σ		n/a	n/a	n/a	n/a	n/a	2.589%
%RSD		1.472	1.009	0.780	1.313	0.730	2.971

CCB2 12/29/2012 5:42:19 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	80.154%	-0.031	1.034	0.832	0.000	-22.560	3.753	4.441
2	17:43:43	82.577%	-0.031	2.182	1.233	0.000	-21.150	4.989	4.871
3	17:44:24	80.450%	-0.031	0.616	1.335	0.000	-14.730	7.094	8.129
x		81.060%	-0.031	1.277	1.133	0.000	-19.480	5.279	5.814
σ		1.322%	0.000	0.811	0.266	0.000	4.172	1.689	2.016
%RSD		1.630	0.000	63.500	23.450	0.000	21.420	32.000	34.680

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	-4.162	3.944	0.000	6.817	25.390	2.377	79.295%	0.044
2	17:43:43	-3.951	3.140	0.000	8.336	8.310	10.790	79.698%	-0.022
3	17:44:24	-3.670	4.298	0.000	10.870	42.050	14.800	79.946%	-0.022
x		-3.928	3.794	0.000	8.675	25.250	9.322	79.647%	-0.000
σ		0.247	0.594	0.000	2.049	16.870	6.340	0.329%	0.038
%RSD		6.281	15.650	0.000	23.620	66.810	68.010	0.413	18690.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	0.036	0.006	0.032	14.670	18.010	-0.012	0.058	0.042
2	17:43:43	-0.029	0.016	0.027	9.817	14.000	0.000	0.100	-0.027
3	17:44:24	-0.020	-0.026	0.064	8.752	11.040	-0.008	0.013	0.067
x		-0.004	-0.001	0.041	11.080	14.350	-0.007	0.057	0.028
σ		0.035	0.022	0.020	3.152	3.496	0.006	0.044	0.049
%RSD		883.700	2271.000	48.620	28.450	24.360	93.990	76.090	176.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	0.087	0.398	0.279	-0.179	-0.215	-0.325	0.000	0.012
2	17:43:43	-0.092	0.700	0.338	-0.361	-1.274	-1.767	0.000	0.021
3	17:44:24	0.081	0.626	0.545	0.005	0.334	0.036	0.000	0.041
x		0.025	0.575	0.388	-0.179	-0.385	-0.686	0.000	0.025
σ		0.102	0.158	0.140	0.183	0.818	0.954	0.000	0.015
%RSD		401.100	27.460	36.050	102.400	212.500	139.100	0.000	59.340

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	77.311%	0.333	0.298	81.743%	0.021	0.013	0.078	0.046
2	17:43:43	79.061%	0.173	0.253	83.604%	0.016	0.037	-0.001	-0.107
3	17:44:24	78.970%	0.134	0.142	83.243%	0.012	0.018	0.143	0.080
x		78.447%	0.214	0.231	82.863%	0.017	0.023	0.073	0.006
σ		0.985%	0.106	0.080	0.987%	0.005	0.013	0.072	0.100
%RSD		1.256	49.430	34.810	1.191	29.150	56.880	98.080	1616.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	84.823%	0.591	0.032	0.019	-0.092	-0.020	87.038%	88.147%
2	17:43:43	85.896%	0.838	0.036	0.024	-0.117	-0.050	88.367%	89.493%
3	17:44:24	86.255%	0.217	0.046	-0.001	-0.016	-0.035	88.405%	90.358%
x		85.658%	0.549	0.038	0.014	-0.075	-0.035	87.936%	89.332%
σ		0.745%	0.313	0.007	0.013	0.053	0.015	0.778%	1.114%
%RSD		0.870	56.940	18.490	96.040	70.300	43.330	0.885	1.247

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	0.053	0.037	0.017	0.013	0.025	90.615%
2	17:43:43	0.038	0.054	0.014	0.028	0.023	91.831%
3	17:44:24	0.041	0.049	0.023	0.001	0.022	92.347%
x		0.044	0.047	0.018	0.014	0.023	91.598%
σ		0.008	0.009	0.005	0.013	0.001	0.889%
%RSD		17.920	18.640	26.960	95.580	5.405	0.971

MB 180-58541/1-A 12/29/2012 5:46:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	84.245%	-0.031	1.476	1.410	0.000	-4.745	0.147	0.581
2	17:48:00	86.099%	-0.031	0.394	1.137	0.000	-2.510	-0.915	-0.066
3	17:48:42	87.196%	-0.031	0.761	1.189	0.000	-4.835	-0.382	-0.419
x		85.847%	-0.031	0.877	1.246	0.000	-4.030	-0.383	0.032
σ		1.492%	0.000	0.550	0.145	0.000	1.317	0.531	0.507
%RSD		1.738	0.000	62.740	11.640	0.000	32.680	138.600	1585.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	-3.998	4.764	0.000	15.040	20.120	3.329	77.664%	0.113
2	17:48:00	-4.266	4.323	0.000	13.710	25.740	5.337	78.014%	0.112
3	17:48:42	-4.097	5.646	0.000	14.040	31.400	8.069	78.151%	-0.021
x		-4.120	4.911	0.000	14.260	25.750	5.578	77.943%	0.068
σ		0.135	0.674	0.000	0.695	5.640	2.379	0.251%	0.077
%RSD		3.284	13.720	0.000	4.870	21.900	42.650	0.322	113.300

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	-0.781	0.066	0.014	4.422	8.685	-0.020	0.103	0.106
2	17:48:00	-0.665	0.108	-0.011	2.579	5.890	-0.024	0.014	0.249
3	17:48:42	-0.855	0.132	-0.011	2.067	6.020	-0.033	0.123	0.027
x		-0.767	0.102	-0.003	3.023	6.865	-0.026	0.080	0.128
σ		0.095	0.033	0.015	1.239	1.578	0.006	0.058	0.112
%RSD		12.430	32.550	502.800	40.970	22.980	24.760	72.570	88.200

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	-0.024	1.129	1.292	0.147	-0.522	0.568	0.000	0.043
2	17:48:00	-0.092	0.773	0.856	0.638	-0.941	-0.290	0.000	-0.007
3	17:48:42	-0.027	1.063	1.306	-0.303	-0.694	-1.280	0.000	-0.005
x		-0.047	0.989	1.151	0.161	-0.719	-0.334	0.000	0.010
σ		0.039	0.189	0.256	0.471	0.211	0.925	0.000	0.028
%RSD		81.330	19.160	22.210	293.100	29.280	276.700	0.000	275.100

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	79.455%	0.018	-0.005	80.532%	0.008	-0.002	-0.014	-0.113
2	17:48:00	80.896%	-0.106	-0.034	81.389%	0.017	-0.007	0.023	-0.054
3	17:48:42	80.769%	0.053	0.014	81.657%	0.003	0.003	0.108	0.047
x		80.373%	-0.012	-0.008	81.193%	0.009	-0.002	0.039	-0.040
σ		0.798%	0.083	0.024	0.588%	0.007	0.005	0.062	0.081
%RSD		0.993	707.900	293.600	0.724	78.420	251.400	159.900	201.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	83.733%	4.080	0.003	-0.007	-0.117	-0.035	86.909%	88.429%
2	17:48:00	84.717%	2.662	-0.003	-0.014	-0.066	-0.035	89.556%	90.427%
3	17:48:42	86.100%	3.328	0.007	-0.020	-0.117	-0.065	90.084%	91.443%
x		84.850%	3.357	0.002	-0.013	-0.100	-0.045	88.850%	90.100%
σ		1.189%	0.709	0.005	0.007	0.029	0.017	1.701%	1.533%
%RSD		1.402	21.130	211.400	49.510	29.280	38.650	1.915	1.702

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	0.034	0.031	0.013	0.012	0.014	94.012%
2	17:48:00	0.034	0.031	0.013	0.004	0.008	93.645%
3	17:48:42	0.021	0.045	-0.000	-0.007	0.008	92.860%
x		0.030	0.036	0.008	0.003	0.010	93.505%
σ		0.008	0.008	0.007	0.009	0.004	0.589%
%RSD		25.220	21.940	87.410	287.100	36.240	0.630

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	103.977%	51.310	1060.000	1022.000	0.000	48270.000	42920.000	43160.000
2	17:52:15	107.535%	51.100	1069.000	1023.000	0.000	47860.000	43230.000	47840.000
3	17:52:57	109.998%	55.340	1069.000	1027.000	0.000	47470.000	43250.000	43550.000
x		107.170%	52.580	1066.000	1024.000	0.000	47870.000	43130.000	44850.000
σ		3.027%	2.388	4.779	2.662	0.000	404.500	185.400	2595.000
%RSD		2.825	4.541	0.448	0.260	0.000	0.845	0.430	5.786

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	1850.000	9373.000	0.000	48640.000	49180.000	49420.000	84.266%	997.200
2	17:52:15	1865.000	9468.000	0.000	48290.000	50570.000	49700.000	86.272%	999.000
3	17:52:57	1856.000	9472.000	0.000	47940.000	49710.000	50080.000	87.273%	1008.000
x		1857.000	9437.000	0.000	48290.000	49820.000	49740.000	85.937%	1001.000
σ		7.470	56.140	0.000	349.000	701.800	334.700	1.532%	5.746
%RSD		0.402	0.595	0.000	0.723	1.409	0.673	1.782	0.574

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	481.900	201.200	500.800	825.900	1087.000	493.300	490.100	238.900
2	17:52:15	487.000	203.800	506.900	835.800	1099.000	499.800	494.600	240.700
3	17:52:57	492.000	204.000	509.700	840.500	1090.000	501.000	494.800	242.700
x		487.000	203.000	505.800	834.000	1092.000	498.000	493.200	240.800
σ		5.068	1.592	4.577	7.475	6.375	4.106	2.627	1.889
%RSD		1.041	0.784	0.905	0.896	0.584	0.825	0.533	0.785

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	240.600	482.000	496.000	38.510	8.944	7.230	0.000	1034.000
2	17:52:15	241.000	493.200	497.300	35.560	7.752	7.705	0.000	1048.000
3	17:52:57	242.900	496.800	496.500	36.310	10.170	9.399	0.000	1058.000
x		241.500	490.600	496.600	36.800	8.957	8.112	0.000	1047.000
σ		1.227	7.726	0.627	1.531	1.211	1.140	0.000	12.350
%RSD		0.508	1.575	0.126	4.160	13.520	14.060	0.000	1.180

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	79.017%	1063.000	1060.000	82.046%	48.070	47.750	47.950	40.890
2	17:52:15	81.376%	1078.000	1074.000	84.455%	49.350	48.450	47.370	38.600
3	17:52:57	81.616%	1082.000	1077.000	86.419%	47.670	47.450	47.820	38.970
x		80.670%	1074.000	1070.000	84.307%	48.360	47.880	47.710	39.480
σ		1.436%	10.210	9.119	2.190%	0.880	0.509	0.305	1.227
%RSD		1.780	0.950	0.852	2.598	1.820	1.062	0.639	3.108

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	88.299%	2093.000	490.400	487.700	1890.000	1873.000	96.352%	97.739%
2	17:52:15	91.460%	2092.000	493.600	493.000	1908.000	1898.000	99.614%	101.079%
3	17:52:57	92.743%	2082.000	495.600	495.400	1920.000	1894.000	101.272%	102.501%
x		90.834%	2089.000	493.200	492.000	1906.000	1889.000	99.080%	100.440%
σ		2.287%	5.919	2.626	3.955	15.520	13.360	2.503%	2.444%
%RSD		2.518	0.283	0.532	0.804	0.814	0.707	2.527	2.434

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	49.680	47.680	20.360	20.230	20.380	92.643%
2	17:52:15	50.120	48.210	20.770	20.360	20.610	96.771%
3	17:52:57	49.570	49.440	20.980	20.660	20.640	97.884%
x		49.790	48.450	20.700	20.420	20.540	95.766%
σ		0.293	0.903	0.315	0.221	0.145	2.762%
%RSD		0.589	1.863	1.523	1.081	0.708	2.884

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	110.431%	51.890	1102.000	1036.000	0.000	47740.000	43040.000	43270.000
2	17:56:28	113.989%	53.670	1092.000	1029.000	0.000	46760.000	42580.000	42940.000
3	17:57:10	116.091%	51.700	1087.000	1029.000	0.000	46520.000	42680.000	46600.000
x		113.503%	52.420	1094.000	1031.000	0.000	47010.000	42760.000	44270.000
σ		2.861%	1.086	7.602	4.072	0.000	649.300	240.800	2027.000
%RSD		2.520	2.071	0.695	0.395	0.000	1.381	0.563	4.578

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	1855.000	9355.000	0.000	47690.000	49640.000	49340.000	88.630%	1002.000
2	17:56:28	1844.000	9264.000	0.000	46520.000	48960.000	48840.000	91.000%	979.100
3	17:57:10	1846.000	9295.000	0.000	46940.000	49640.000	49430.000	90.852%	982.500
x		1848.000	9305.000	0.000	47050.000	49410.000	49200.000	90.160%	987.900
σ		6.062	45.900	0.000	592.400	389.300	313.900	1.327%	12.320
%RSD		0.328	0.493	0.000	1.259	0.788	0.638	1.472	1.247

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	480.700	201.500	502.700	822.600	1085.000	498.200	486.600	239.500
2	17:56:28	479.300	200.400	503.700	818.900	1090.000	490.700	484.200	238.300
3	17:57:10	482.700	201.500	503.800	818.200	1105.000	491.100	484.000	236.800
x		480.900	201.200	503.400	819.900	1093.000	493.300	484.900	238.200
σ		1.705	0.645	0.602	2.367	10.300	4.237	1.438	1.366
%RSD		0.355	0.321	0.120	0.289	0.942	0.859	0.297	0.574

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	245.400	472.600	480.100	36.100	7.943	8.645	0.000	1024.000
2	17:56:28	236.000	475.100	483.200	33.650	9.718	10.290	0.000	1036.000
3	17:57:10	236.100	480.600	496.800	33.970	8.686	7.699	0.000	1029.000
x		239.200	476.100	486.700	34.570	8.782	8.879	0.000	1030.000
σ		5.383	4.116	8.847	1.334	0.892	1.312	0.000	6.260
%RSD		2.251	0.865	1.818	3.858	10.150	14.780	0.000	0.608

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	84.256%	1066.000	1061.000	85.310%	48.910	48.290	49.320	40.080
2	17:56:28	85.887%	1072.000	1078.000	87.507%	50.420	48.640	49.290	38.750
3	17:57:10	87.101%	1073.000	1059.000	88.107%	49.200	48.900	48.160	39.780
x		85.748%	1071.000	1066.000	86.975%	49.510	48.610	48.920	39.540
σ		1.428%	3.720	10.030	1.473%	0.804	0.307	0.661	0.698
%RSD		1.665	0.348	0.941	1.693	1.624	0.632	1.351	1.764

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	91.365%	2086.000	499.600	498.300	1945.000	1918.000	99.022%	101.630%
2	17:56:28	95.204%	2063.000	494.100	496.200	1931.000	1908.000	102.365%	105.043%
3	17:57:10	96.184%	2057.000	494.700	495.900	1916.000	1914.000	103.628%	105.689%
x		94.251%	2069.000	496.100	496.800	1931.000	1913.000	101.672%	104.121%
σ		2.547%	15.400	2.999	1.318	14.470	5.072	2.380%	2.181%
%RSD		2.702	0.745	0.604	0.265	0.749	0.265	2.341	2.094

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	51.420	50.260	21.130	20.860	20.940	95.794%
2	17:56:28	51.950	50.100	20.450	21.090	20.870	99.959%
3	17:57:10	51.120	50.420	20.970	20.960	21.020	101.246%
x		51.500	50.260	20.850	20.970	20.940	99.000%
σ		0.419	0.163	0.353	0.116	0.078	2.850%
%RSD		0.814	0.325	1.695	0.552	0.372	2.879

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	82.249%	7.227	2126.000	2072.000	0.000	15430.000	7084.000	7111.000
2	18:00:42	81.833%	7.910	2169.000	2100.000	0.000	15470.000	7144.000	7178.000
3	18:01:24	82.695%	6.869	2180.000	2085.000	0.000	15280.000	7089.000	7079.000
x		82.259%	7.335	2158.000	2086.000	0.000	15390.000	7106.000	7123.000
σ		0.431%	0.529	28.630	14.200	0.000	97.110	33.420	50.220
%RSD		0.524	7.213	1.326	0.681	0.000	0.631	0.470	0.705

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	7652.000	7105.000	0.000	14370.000	495200.000	568100.000	75.290%	3.711
2	18:00:42	7759.000	7167.000	0.000	14370.000	505100.000	572600.000	73.745%	2.097
3	18:01:24	7688.000	7144.000	0.000	14250.000	501800.000	569800.000	73.867%	2.023
x		7700.000	7139.000	0.000	14330.000	500700.000	570200.000	74.301%	2.610
σ		54.310	31.470	0.000	68.230	5036.000	2228.000	0.859%	0.954
%RSD		0.705	0.441	0.000	0.476	1.006	0.391	1.156	36.540

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	-0.002	9.339	222.200	592.300	1359.000	12.140	35.370	196.700
2	18:00:42	-0.428	9.184	227.400	601.100	1374.000	12.750	37.930	201.100
3	18:01:24	-0.065	9.485	225.600	599.800	1362.000	12.190	37.510	198.600
x		-0.165	9.336	225.100	597.700	1365.000	12.360	36.940	198.800
σ		0.230	0.150	2.615	4.777	7.856	0.339	1.373	2.183
%RSD		139.000	1.610	1.162	0.799	0.576	2.746	3.717	1.098

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	193.600	190.400	200.300	5.114	-1.469	15.550	0.000	4536.000
2	18:00:42	196.700	195.000	199.900	4.095	-1.980	15.370	0.000	4604.000
3	18:01:24	198.200	196.500	198.200	6.018	-0.769	18.570	0.000	4606.000
x		196.200	193.900	199.500	5.076	-1.406	16.500	0.000	4582.000
σ		2.358	3.157	1.090	0.962	0.608	1.799	0.000	39.490
%RSD		1.202	1.628	0.546	18.950	43.280	10.900	0.000	0.862

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	0.000	9.472	9.635	72.943%	0.158	0.157	13.590	12.550
2	18:00:42	0.000	8.527	7.814	72.967%	0.065	0.064	12.950	13.350
3	18:01:24	0.000	6.665	7.213	72.546%	0.035	0.053	13.900	14.040
x		0.000	8.221	8.221	72.819%	0.086	0.091	13.480	13.320
σ		0.000	1.428	1.261	0.236%	0.064	0.057	0.484	0.746
%RSD		0.000	17.370	15.340	0.324	74.640	62.520	3.588	5.599

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	79.146%	10.150	2.011	2.127	69.010	68.960	88.723%	91.361%
2	18:00:42	80.246%	7.105	1.635	1.618	65.780	67.290	89.295%	91.819%
3	18:01:24	79.038%	7.519	1.444	1.325	68.910	66.620	90.416%	91.736%
x		79.476%	8.259	1.697	1.690	67.900	67.630	89.478%	91.639%
σ		0.668%	1.654	0.288	0.406	1.835	1.203	0.861%	0.244%
%RSD		0.841	20.020	16.990	23.990	2.703	1.779	0.963	0.266

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	23.760	23.480	8.189	8.182	8.128	78.210%
2	18:00:42	23.600	23.950	8.397	7.736	7.954	80.481%
3	18:01:24	23.820	23.760	8.037	8.004	8.066	80.674%
x		23.720	23.730	8.208	7.974	8.050	79.788%
σ		0.111	0.238	0.181	0.225	0.088	1.370%
%RSD		0.469	1.002	2.201	2.819	1.097	1.717

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	78.543%	0.980	446.200	445.100	0.000	2739.000	1449.000	1461.000
2	18:04:57	79.822%	1.004	464.100	443.600	0.000	2745.000	1475.000	1446.000
3	18:05:38	79.851%	1.615	444.100	437.900	0.000	2696.000	1435.000	1434.000
x		79.405%	1.199	451.500	442.200	0.000	2727.000	1453.000	1447.000
σ		0.747%	0.360	10.990	3.803	0.000	26.720	20.180	13.260
%RSD		0.941	30.040	2.434	0.860	0.000	0.980	1.389	0.916

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	1497.000	1424.000	0.000	2475.000	99560.000	99010.000	74.727%	1.090
2	18:04:57	1483.000	1407.000	0.000	2476.000	99930.000	99730.000	74.062%	0.541
3	18:05:38	1497.000	1403.000	0.000	2457.000	98990.000	99930.000	74.399%	0.678
x		1492.000	1411.000	0.000	2469.000	99490.000	99560.000	74.396%	0.770
σ		8.300	11.420	0.000	10.830	474.500	483.300	0.332%	0.286
%RSD		0.556	0.809	0.000	0.439	0.477	0.486	0.447	37.150

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	0.194	2.051	43.990	128.600	309.700	2.635	8.030	42.010
2	18:04:57	0.147	2.023	45.330	125.000	290.300	2.690	7.196	41.160
3	18:05:38	-0.217	1.969	44.390	121.100	289.600	2.510	7.402	42.410
x		0.041	2.014	44.570	124.900	296.500	2.612	7.543	41.860
σ		0.225	0.042	0.686	3.780	11.400	0.093	0.435	0.638
%RSD		545.400	2.062	1.539	3.027	3.845	3.544	5.760	1.524

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	43.040	41.480	40.100	0.224	-1.258	1.204	0.000	794.500
2	18:04:57	41.750	40.770	41.030	0.524	-0.038	1.747	0.000	804.200
3	18:05:38	40.960	39.980	42.770	1.043	-1.033	3.265	0.000	802.600
x		41.920	40.740	41.300	0.597	-0.777	2.072	0.000	800.400
σ		1.053	0.748	1.357	0.415	0.649	1.068	0.000	5.222
%RSD		2.512	1.835	3.286	69.470	83.610	51.570	0.000	0.652

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	80.221%	1.855	1.823	75.349%	0.049	0.036	2.881	2.415
2	18:04:57	81.126%	1.299	1.805	76.340%	0.028	0.025	2.896	2.614
3	18:05:38	81.196%	1.606	1.344	76.742%	0.008	0.025	2.226	2.560
x		80.848%	1.587	1.658	76.144%	0.028	0.028	2.668	2.529
σ		0.544%	0.279	0.272	0.717%	0.020	0.006	0.382	0.103
%RSD		0.673	17.550	16.380	0.942	71.190	22.830	14.330	4.069

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	79.866%	3.655	0.462	0.670	14.460	14.350	85.712%	87.174%
2	18:04:57	81.074%	3.229	0.517	0.340	13.240	13.780	86.583%	87.950%
3	18:05:38	81.372%	2.504	0.334	0.299	14.020	14.120	87.463%	88.468%
x		80.771%	3.129	0.437	0.436	13.910	14.080	86.586%	87.864%
σ		0.798%	0.582	0.094	0.203	0.617	0.287	0.875%	0.651%
%RSD		0.988	18.610	21.480	46.610	4.437	2.036	1.011	0.741

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	5.269	5.241	1.576	1.749	1.631	81.697%
2	18:04:57	4.940	5.177	1.624	1.578	1.559	84.028%
3	18:05:38	5.189	4.973	1.503	1.610	1.499	85.583%
x		5.133	5.130	1.567	1.645	1.563	83.769%
σ		0.172	0.140	0.061	0.091	0.066	1.956%
%RSD		3.343	2.724	3.892	5.524	4.226	2.335

180-17111-A-25-B @10 12/29/2012 6:07:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	86.922%	0.004	1419.000	1373.000	0.000	15470.000	964.200	946.400
2	18:09:12	88.332%	-0.031	1427.000	1402.000	0.000	15520.000	976.400	977.300
3	18:09:53	90.363%	0.003	1424.000	1396.000	0.000	15310.000	958.800	959.000
x		88.539%	-0.008	1423.000	1391.000	0.000	15430.000	966.500	960.900
σ		1.730%	0.020	3.870	15.170	0.000	111.500	8.980	15.530
%RSD		1.954	259.200	0.272	1.091	0.000	0.723	0.929	1.616

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	193.300	104.300	0.000	14340.000	466900.000	542200.000	82.160%	0.481
2	18:09:12	200.900	105.700	0.000	14350.000	468800.000	538500.000	84.348%	0.712
3	18:09:53	193.200	105.500	0.000	14230.000	465000.000	535800.000	85.841%	0.396
x		195.800	105.200	0.000	14310.000	466900.000	538800.000	84.116%	0.530
σ		4.425	0.772	0.000	65.030	1900.000	3208.000	1.851%	0.164
%RSD		2.260	0.733	0.000	0.455	0.407	0.596	2.201	30.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	22.690	8.960	0.279	28.660	639.500	0.335	-0.014	0.462
2	18:09:12	22.610	9.158	0.485	32.690	639.200	0.380	-0.181	0.343
3	18:09:53	22.440	9.235	0.376	30.870	629.300	0.311	0.158	0.319
x		22.580	9.118	0.380	30.740	636.000	0.342	-0.012	0.375
σ		0.130	0.142	0.103	2.020	5.806	0.035	0.170	0.076
%RSD		0.577	1.556	27.120	6.573	0.913	10.160	1387.000	20.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	0.794	0.509	0.587	14.670	18.260	30.870	0.000	4061.000
2	18:09:12	0.991	0.959	0.982	15.190	14.320	32.880	0.000	4887.000
3	18:09:53	0.767	0.510	0.847	13.520	13.580	31.050	0.000	4138.000
x		0.851	0.659	0.805	14.460	15.390	31.600	0.000	4362.000
σ		0.123	0.259	0.201	0.854	2.517	1.109	0.000	455.900
%RSD		14.400	39.370	24.960	5.905	16.360	3.508	0.000	10.450

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	84.132%	325.600	329.400	80.691%	0.026	0.003	0.121	0.135
2	18:09:12	86.002%	337.100	340.600	83.598%	0.030	0.042	0.170	0.132
3	18:09:53	88.029%	334.400	341.600	84.788%	0.020	0.017	-0.105	-0.113
x		86.055%	332.300	337.200	83.026%	0.025	0.020	0.062	0.051
σ		1.949%	6.015	6.766	2.108%	0.005	0.020	0.147	0.142
%RSD		2.265	1.810	2.007	2.538	19.160	95.530	236.400	277.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	85.576%	3.466	2.115	2.327	199.600	202.100	92.976%	93.652%
2	18:09:12	87.619%	3.595	2.125	2.084	207.400	203.700	96.248%	97.690%
3	18:09:53	90.702%	4.119	2.285	2.020	199.600	201.500	97.469%	98.464%
x		87.966%	3.727	2.175	2.144	202.200	202.400	95.564%	96.602%
σ		2.581%	0.346	0.095	0.162	4.487	1.124	2.323%	2.584%
%RSD		2.934	9.283	4.373	7.571	2.219	0.555	2.431	2.675

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	1.457	1.400	0.028	0.025	0.017	89.503%
2	18:09:12	1.517	1.467	0.007	0.050	0.034	91.363%
3	18:09:53	1.422	1.395	0.007	0.009	0.023	92.056%
x		1.466	1.421	0.014	0.028	0.025	90.974%
σ		0.048	0.040	0.012	0.021	0.009	1.320%
%RSD		3.284	2.842	88.840	75.330	35.890	1.451

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	89.871%	-0.031	148.800	147.300	0.000	15210.000	19.940	19.200
2	18:13:26	91.825%	0.003	148.200	143.500	0.000	15200.000	19.070	19.920
3	18:14:08	92.848%	0.068	153.000	142.300	0.000	15130.000	22.700	20.650
x		91.515%	0.013	150.000	144.400	0.000	15180.000	20.570	19.920
σ		1.513%	0.050	2.576	2.599	0.000	40.790	1.893	0.725
%RSD		1.653	378.800	1.717	1.800	0.000	0.269	9.200	3.639

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	2.053	45.020	0.000	14380.000	295900.000	343800.000	88.811%	0.205
2	18:13:26	2.324	45.220	0.000	14390.000	298900.000	343600.000	89.773%	0.086
3	18:14:08	2.340	44.420	0.000	14420.000	298100.000	344800.000	90.269%	0.143
x		2.239	44.890	0.000	14400.000	297600.000	344100.000	89.618%	0.145
σ		0.161	0.414	0.000	21.750	1562.000	609.600	0.741%	0.059
%RSD		7.205	0.922	0.000	0.151	0.525	0.177	0.827	41.160

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	0.755	13.110	0.370	34.350	451.000	0.250	0.466	0.366
2	18:13:26	1.144	12.850	0.406	33.760	427.500	0.275	1.312	0.252
3	18:14:08	1.755	13.710	0.379	35.370	420.100	0.272	0.652	0.356
x		1.218	13.220	0.385	34.490	432.900	0.266	0.810	0.325
σ		0.504	0.443	0.019	0.811	16.170	0.014	0.445	0.063
%RSD		41.380	3.350	4.948	2.351	3.735	5.107	54.920	19.490

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	0.739	1.367	2.022	8.409	-0.941	18.300	0.000	3993.000
2	18:13:26	0.683	1.672	1.168	8.719	0.062	18.510	0.000	4707.000
3	18:14:08	0.467	1.528	2.353	8.130	-0.936	16.690	0.000	4690.000
x		0.630	1.522	1.848	8.419	-0.605	17.840	0.000	4463.000
σ		0.144	0.153	0.611	0.295	0.578	0.998	0.000	407.300
%RSD		22.790	10.040	33.090	3.504	95.460	5.595	0.000	9.125

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	89.604%	291.500	291.000	87.293%	0.007	0.021	0.131	0.050
2	18:13:26	91.960%	294.800	297.300	89.694%	0.027	0.016	0.417	0.233
3	18:14:08	93.060%	291.600	297.000	90.941%	0.031	0.002	0.163	0.050
x		91.541%	292.700	295.100	89.309%	0.022	0.013	0.237	0.111
σ		1.766%	1.889	3.577	1.854%	0.013	0.010	0.157	0.106
%RSD		1.929	0.645	1.212	2.076	61.010	76.110	66.090	95.060

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	91.566%	3.493	0.129	0.151	267.500	270.400	96.314%	97.234%
2	18:13:26	93.750%	2.987	0.125	0.106	270.600	268.500	100.421%	99.879%
3	18:14:08	95.221%	3.689	0.088	0.160	264.100	273.500	100.943%	102.170%
x		93.512%	3.390	0.114	0.139	267.400	270.800	99.226%	99.761%
σ		1.839%	0.362	0.023	0.029	3.284	2.497	2.536%	2.470%
%RSD		1.967	10.680	19.990	21.100	1.228	0.922	2.555	2.476

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	0.565	0.463	2.568	2.531	2.635	91.694%
2	18:13:26	0.458	0.448	2.661	2.578	2.538	94.549%
3	18:14:08	0.469	0.413	2.605	2.536	2.618	95.931%
x		0.497	0.441	2.611	2.548	2.597	94.058%
σ		0.059	0.026	0.047	0.026	0.052	2.161%
%RSD		11.810	5.818	1.787	1.018	2.007	2.297

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	77.413%	12.530	2277.000	2209.000	0.000	15130.000	8249.000	8252.000
2	18:17:42	77.640%	10.930	2301.000	2216.000	0.000	15030.000	8300.000	8269.000
3	18:18:23	77.062%	11.380	2307.000	2247.000	0.000	15080.000	8384.000	8375.000
x		77.372%	11.610	2295.000	2224.000	0.000	15080.000	8311.000	8298.000
σ		0.291%	0.826	15.850	20.500	0.000	52.380	67.750	66.460
%RSD		0.377	7.109	0.691	0.922	0.000	0.347	0.815	0.801

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	17420.000	10380.000	0.000	14290.000	541900.000	622400.000	71.822%	4.694
2	18:17:42	17300.000	10880.000	0.000	14190.000	540000.000	616800.000	71.034%	4.385
3	18:18:23	17330.000	11530.000	0.000	14330.000	548200.000	621300.000	70.110%	5.683
x		17350.000	10930.000	0.000	14270.000	543400.000	620200.000	70.989%	4.921
σ		64.730	577.000	0.000	68.150	4311.000	2979.000	0.857%	0.678
%RSD		0.373	5.280	0.000	0.478	0.793	0.480	1.207	13.780

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	-0.531	205.200	239.100	4768.000	6268.000	12.600	35.560	222.700
2	18:17:42	1.465	206.500	240.000	4775.000	6221.000	12.540	36.580	224.000
3	18:18:23	1.108	207.900	241.700	4825.000	6274.000	12.370	36.820	223.600
x		0.681	206.500	240.300	4790.000	6254.000	12.500	36.320	223.500
σ		1.064	1.375	1.365	31.080	29.250	0.117	0.668	0.680
%RSD		156.300	0.666	0.568	0.649	0.468	0.937	1.839	0.304

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	219.700	193.800	192.800	4.635	-1.771	9.108	0.000	3314.000
2	18:17:42	218.700	194.300	193.100	5.468	-2.076	10.960	0.000	3343.000
3	18:18:23	221.800	198.100	198.200	6.457	-0.995	12.820	0.000	3338.000
x		220.000	195.400	194.700	5.520	-1.614	10.960	0.000	3332.000
σ		1.549	2.320	3.028	0.912	0.557	1.858	0.000	15.460
%RSD		0.704	1.187	1.555	16.520	34.530	16.940	0.000	0.464

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	101.180%	7.449	7.737	69.867%	0.004	-0.007	15.960	13.800
2	18:17:42	100.623%	6.646	7.307	69.844%	0.009	0.004	13.790	14.160
3	18:18:23	100.969%	6.523	7.048	70.297%	-0.001	0.016	14.050	13.510
x		100.924%	6.872	7.364	70.003%	0.004	0.004	14.600	13.820
σ		0.281%	0.503	0.348	0.255%	0.005	0.011	1.186	0.327
%RSD		0.279	7.315	4.726	0.364	127.700	262.000	8.125	2.365

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	76.674%	2.879	2.241	2.366	69.140	65.540	87.115%	89.550%
2	18:17:42	77.983%	3.054	2.399	2.247	67.840	68.390	87.728%	90.086%
3	18:18:23	77.891%	2.640	2.330	2.378	66.400	67.870	88.134%	89.879%
x		77.516%	2.858	2.324	2.330	67.790	67.270	87.659%	89.838%
σ		0.731%	0.208	0.079	0.072	1.369	1.517	0.513%	0.270%
%RSD		0.943	7.270	3.400	3.106	2.019	2.255	0.585	0.301

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	22.680	21.920	25.630	24.730	24.880	81.148%
2	18:17:42	23.190	22.770	25.440	25.280	25.050	82.287%
3	18:18:23	23.430	23.260	25.460	25.080	24.990	82.825%
x		23.100	22.650	25.510	25.030	24.970	82.087%
σ		0.383	0.676	0.106	0.279	0.087	0.856%
%RSD		1.657	2.984	0.416	1.113	0.347	1.043

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	82.348%	-0.031	1726.000	1694.000	0.000	14980.000	6994.000	7029.000
2	18:21:57	85.776%	0.076	1717.000	1688.000	0.000	14790.000	7034.000	7036.000
3	18:22:39	86.956%	-0.031	1728.000	1677.000	0.000	14850.000	7107.000	7055.000
x		85.027%	0.005	1723.000	1686.000	0.000	14870.000	7045.000	7040.000
σ		2.393%	0.062	5.978	8.481	0.000	96.020	57.390	13.590
%RSD		2.815	1239.000	0.347	0.503	0.000	0.646	0.815	0.193

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	37.290	660.200	0.000	13870.000	514500.000	598700.000	78.104%	0.112
2	18:21:57	28.210	561.700	0.000	13860.000	521400.000	598200.000	80.272%	0.429
3	18:22:39	26.360	500.000	0.000	13930.000	524200.000	598500.000	81.354%	0.040
x		30.620	574.000	0.000	13880.000	520000.000	598500.000	79.910%	0.194
σ		5.850	80.820	0.000	38.580	4989.000	267.500	1.655%	0.207
%RSD		19.110	14.080	0.000	0.278	0.959	0.045	2.071	106.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	3.206	3.427	82.520	45.090	764.800	2.834	10.780	0.613
2	18:21:57	3.207	3.305	82.740	37.800	720.900	2.815	10.890	0.694
3	18:22:39	1.587	3.296	82.640	36.720	724.500	2.927	10.760	0.526
x		2.667	3.343	82.630	39.870	736.800	2.859	10.810	0.611
σ		0.935	0.073	0.113	4.555	24.390	0.060	0.070	0.084
%RSD		35.060	2.189	0.137	11.430	3.310	2.104	0.647	13.780

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	1.596	2.459	2.427	7.874	1.683	17.610	0.000	4069.000
2	18:21:57	0.751	2.341	2.747	10.500	4.338	20.530	0.000	4081.000
3	18:22:39	0.902	1.972	2.442	9.382	3.371	20.100	0.000	4080.000
x		1.083	2.257	2.539	9.251	3.131	19.410	0.000	4077.000
σ		0.451	0.254	0.181	1.317	1.344	1.577	0.000	7.084
%RSD		41.610	11.270	7.113	14.240	42.920	8.125	0.000	0.174

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	79.818%	283.300	286.400	76.469%	0.008	0.004	1.904	1.988
2	18:21:57	82.961%	284.900	288.200	80.192%	0.008	0.003	2.298	1.560
3	18:22:39	84.550%	285.700	290.800	81.340%	-0.002	-0.007	2.073	2.142
x		82.443%	284.700	288.500	79.334%	0.005	-0.000	2.092	1.897
σ		2.408%	1.200	2.186	2.546%	0.006	0.006	0.198	0.301
%RSD		2.921	0.422	0.758	3.210	120.900	5510.000	9.444	15.890

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	81.369%	3.656	5.850	5.751	92.430	92.080	87.953%	90.174%
2	18:21:57	85.751%	4.009	5.748	5.672	90.640	91.530	91.860%	93.697%
3	18:22:39	86.930%	3.893	6.361	5.681	93.230	92.990	93.141%	95.122%
x		84.683%	3.853	5.986	5.701	92.100	92.200	90.985%	92.998%
σ		2.930%	0.180	0.329	0.043	1.323	0.738	2.703%	2.547%
%RSD		3.460	4.671	5.487	0.760	1.436	0.801	2.970	2.739

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	5.704	5.675	0.061	0.070	0.073	83.388%
2	18:21:57	5.637	5.449	0.030	0.106	0.066	86.557%
3	18:22:39	5.540	5.575	0.074	0.081	0.079	87.740%
x		5.627	5.566	0.055	0.086	0.073	85.895%
σ		0.083	0.114	0.023	0.019	0.006	2.250%
%RSD		1.471	2.039	41.420	21.750	8.712	2.620

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	87.590%	0.039	1510.000	1483.000	0.000	15470.000	2242.000	2237.000
2	18:26:13	89.833%	0.003	1517.000	1457.000	0.000	15390.000	2245.000	2245.000
3	18:26:55	91.284%	0.003	1485.000	1459.000	0.000	15310.000	2241.000	2229.000
x		89.569%	0.015	1504.000	1466.000	0.000	15390.000	2243.000	2237.000
σ		1.861%	0.021	16.780	14.100	0.000	83.430	1.890	7.705
%RSD		2.078	137.700	1.116	0.962	0.000	0.542	0.084	0.344

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	199.300	164.700	0.000	14580.000	516600.000	605200.000	84.069%	0.036
2	18:26:13	197.600	155.000	0.000	14510.000	517200.000	601100.000	85.070%	0.096
3	18:26:55	198.800	146.100	0.000	14500.000	523300.000	603300.000	85.439%	0.034
x		198.600	155.200	0.000	14530.000	519000.000	603200.000	84.859%	0.055
σ		0.877	9.334	0.000	44.040	3684.000	2030.000	0.709%	0.035
%RSD		0.442	6.013	0.000	0.303	0.710	0.337	0.835	63.240

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	22.170	7.748	0.124	31.600	708.400	0.218	0.535	0.354
2	18:26:13	22.660	7.459	0.175	30.350	673.500	0.123	0.042	0.265
3	18:26:55	21.180	7.993	0.154	29.380	696.400	0.221	0.322	0.232
x		22.010	7.733	0.151	30.440	692.700	0.187	0.300	0.284
σ		0.755	0.267	0.026	1.111	17.740	0.056	0.247	0.063
%RSD		3.432	3.458	16.930	3.650	2.561	29.670	82.560	22.280

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	0.667	0.170	0.476	15.500	11.340	33.410	0.000	5046.000
2	18:26:13	0.652	0.425	0.638	14.670	14.400	30.280	0.000	4976.000
3	18:26:55	0.785	0.354	0.105	13.600	12.710	32.970	0.000	4979.000
x		0.701	0.316	0.406	14.590	12.810	32.220	0.000	5000.000
σ		0.073	0.132	0.274	0.955	1.533	1.694	0.000	39.240
%RSD		10.400	41.640	67.350	6.545	11.960	5.257	0.000	0.785

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	86.106%	328.200	332.400	82.619%	-0.002	0.018	0.172	0.162
2	18:26:13	88.098%	333.700	335.100	84.647%	0.016	-0.002	0.108	0.175
3	18:26:55	88.807%	332.000	335.900	85.451%	-0.002	0.002	0.321	0.086
x		87.670%	331.300	334.500	84.239%	0.004	0.006	0.200	0.141
σ		1.400%	2.814	1.849	1.459%	0.010	0.010	0.109	0.048
%RSD		1.597	0.850	0.553	1.732	259.800	173.700	54.610	34.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	87.127%	2.768	2.674	2.724	205.100	204.400	94.665%	95.561%
2	18:26:13	89.275%	3.104	2.625	2.721	204.200	210.800	96.495%	98.168%
3	18:26:55	91.292%	2.540	2.524	2.386	202.000	205.200	97.776%	99.944%
x		89.231%	2.804	2.608	2.610	203.800	206.800	96.312%	97.891%
σ		2.083%	0.283	0.077	0.194	1.557	3.501	1.563%	2.205%
%RSD		2.334	10.100	2.944	7.440	0.764	1.693	1.623	2.252

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	1.537	1.562	0.011	0.002	0.016	89.274%
2	18:26:13	1.643	1.527	0.007	-0.002	0.012	91.086%
3	18:26:55	1.513	1.529	0.026	0.005	0.017	91.901%
x		1.564	1.539	0.015	0.001	0.015	90.754%
σ		0.069	0.020	0.010	0.004	0.003	1.345%
%RSD		4.414	1.268	69.450	260.600	17.170	1.482

CCV 664806 12/29/2012 6:32:39 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	73.778%	106.000	118.600	120.600	0.000	51620.000	45160.000	45640.000
2	18:34:02	75.638%	104.800	111.600	116.200	0.000	51310.000	45600.000	46000.000
3	18:34:44	78.954%	105.200	125.200	109.900	0.000	50190.000	44880.000	45350.000
x		76.124%	105.332%	118.449%	115.561%	0.000	102.078%	90.425%	91.328%
σ		2.622%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		3.444	0.620	5.708	4.640	0.000	1.476	0.793	0.717

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	507.500	5287.000	0.000	53740.000	53690.000	53460.000	66.298%	108.100
2	18:34:02	506.600	5322.000	0.000	53420.000	54010.000	53940.000	68.030%	113.800
3	18:34:44	504.700	5238.000	0.000	53060.000	54990.000	54130.000	69.280%	114.000
x		101.250%	105.647%	0.000	106.813%	108.467%	107.689%	67.869%	111.969%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.497%	n/a
%RSD		0.286	0.801	0.000	0.641	1.248	0.639	2.206	2.968

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	107.100	107.700	531.800	26780.000	26440.000	105.300	105.900	106.000
2	18:34:02	108.300	109.400	537.300	26570.000	26880.000	107.400	109.100	107.200
3	18:34:44	107.100	109.300	537.700	26290.000	26920.000	107.100	108.000	105.800
x		107.468%	108.792%	107.119%	106.180%	106.987%	106.597%	107.645%	106.328%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.646	0.843	0.613	0.927	1.001	1.095	1.502	0.721

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	101.400	102.400	105.800	97.500	97.230	95.730	0.000	93.950
2	18:34:02	106.600	106.700	110.600	101.000	98.560	98.230	0.000	95.450
3	18:34:44	106.000	110.800	109.200	103.800	103.000	101.700	0.000	96.110
x		104.662%	106.647%	108.516%	100.772%	99.610%	98.553%	0.000	95.172%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.689	3.915	2.306	3.130	3.057	3.043	0.000	1.165

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	79.768%	97.640	99.840	74.594%	98.590	97.050	100.300	96.980
2	18:34:02	81.420%	99.600	102.200	77.582%	100.000	99.690	99.700	99.710
3	18:34:44	83.445%	100.600	103.100	79.548%	98.680	99.840	99.850	98.500
x		81.544%	99.283%	101.711%	77.241%	99.096%	98.857%	99.936%	98.394%
σ		1.841%	n/a	n/a	2.494%	n/a	n/a	n/a	n/a
%RSD		2.258	1.521	1.656	3.229	0.807	1.588	0.294	1.390

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	79.706%	98.420	97.630	98.440	99.890	96.330	83.366%	85.364%
2	18:34:02	82.075%	98.370	100.800	99.970	97.050	96.670	87.717%	88.873%
3	18:34:44	83.893%	99.660	100.400	99.660	96.380	98.590	89.282%	91.135%
x		81.892%	98.815%	99.616%	99.358%	97.776%	97.197%	86.788%	88.457%
σ		2.099%	n/a	n/a	n/a	n/a	n/a	3.065%	2.908%
%RSD		2.564	0.742	1.739	0.816	1.906	1.256	3.532	3.287

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	99.950	98.860	100.900	99.340	100.300	83.503%
2	18:34:02	102.900	101.400	102.700	101.900	102.400	86.728%
3	18:34:44	101.900	100.600	102.000	101.900	101.800	89.260%
x		101.568%	100.294%	101.862%	101.054%	101.492%	86.497%
σ		n/a	n/a	n/a	n/a	n/a	2.886%
%RSD		1.470	1.311	0.863	1.468	1.055	3.336

CCB3 12/29/2012 6:40:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	87.511%	0.004	7.296	9.382	0.000	-40.240	4.158	5.667
2	18:41:52	88.874%	0.004	10.030	8.010	0.000	-36.840	6.283	6.323
3	18:42:34	88.482%	-0.031	10.200	8.464	0.000	-31.350	6.463	8.168
x		88.289%	-0.008	9.175	8.618	0.000	-36.140	5.635	6.720
σ		0.701%	0.020	1.630	0.699	0.000	4.486	1.282	1.297
%RSD		0.794	262.400	17.760	8.111	0.000	12.410	22.750	19.300

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	-3.673	23.100	0.000	-1.985	39.440	8.218	84.750%	-0.026
2	18:41:52	-3.963	21.280	0.000	-0.964	23.240	15.900	85.697%	0.156
3	18:42:34	-3.662	20.340	0.000	2.116	7.548	22.930	85.487%	-0.026
x		-3.766	21.580	0.000	-0.278	23.410	15.680	85.311%	0.034
σ		0.170	1.401	0.000	2.135	15.950	7.357	0.497%	0.105
%RSD		4.524	6.492	0.000	767.900	68.120	46.920	0.583	304.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	0.027	0.019	0.056	9.855	15.390	0.006	0.072	-0.002
2	18:41:52	-0.009	0.003	0.040	7.094	11.210	0.002	0.091	0.173
3	18:42:34	0.038	0.063	0.126	5.834	13.980	0.010	0.153	0.053
x		0.019	0.028	0.074	7.594	13.520	0.006	0.106	0.075
σ		0.024	0.031	0.046	2.057	2.125	0.004	0.042	0.089
%RSD		131.300	110.700	61.830	27.080	15.720	62.880	39.910	119.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	0.066	0.512	0.540	-0.309	-0.404	-1.259	0.000	0.052
2	18:41:52	-0.020	0.409	0.429	-0.552	-0.921	-1.395	0.000	0.106
3	18:42:34	0.021	0.569	0.232	0.063	0.256	0.129	0.000	0.148
x		0.022	0.497	0.400	-0.266	-0.357	-0.841	0.000	0.102
σ		0.043	0.081	0.156	0.310	0.590	0.843	0.000	0.048
%RSD		193.300	16.340	39.000	116.500	165.400	100.200	0.000	47.380

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	80.819%	0.222	0.364	82.659%	-0.002	0.008	0.116	0.133
2	18:41:52	81.786%	0.308	0.256	83.219%	0.012	0.013	-0.015	-0.047
3	18:42:34	82.042%	0.188	0.197	83.861%	0.025	0.018	-0.110	-0.123
x		81.549%	0.239	0.272	83.246%	0.012	0.013	-0.003	-0.012
σ		0.645%	0.062	0.085	0.602%	0.014	0.005	0.113	0.132
%RSD		0.791	25.850	31.240	0.723	115.400	37.480	3815.000	1092.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	84.319%	0.704	0.028	0.032	-0.091	0.027	84.724%	87.048%
2	18:41:52	85.086%	0.897	0.032	0.012	-0.092	0.040	87.712%	88.443%
3	18:42:34	85.750%	0.678	0.017	-0.001	-0.015	0.010	87.594%	89.546%
x		85.052%	0.760	0.026	0.014	-0.066	0.026	86.677%	88.346%
σ		0.716%	0.120	0.008	0.017	0.044	0.015	1.692%	1.252%
%RSD		0.842	15.780	30.550	115.800	66.660	59.260	1.952	1.417

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	0.138	0.091	0.028	0.025	0.031	89.586%
2	18:41:52	0.127	0.101	0.014	0.013	0.020	91.033%
3	18:42:34	0.085	0.087	0.010	0.032	0.034	91.134%
x		0.117	0.093	0.018	0.023	0.028	90.584%
σ		0.028	0.007	0.009	0.010	0.008	0.866%
%RSD		23.710	7.514	53.640	41.280	26.900	0.956

180-17111-A-31-B @10 12/29/2012 6:44:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	85.735%	-0.031	134.600	130.600	0.000	15610.000	1.341	2.016
2	18:46:10	89.886%	0.139	133.800	132.600	0.000	15150.000	1.656	1.429
3	18:46:51	90.951%	0.003	134.700	131.700	0.000	15170.000	1.385	1.445
x		88.857%	0.037	134.400	131.700	0.000	15310.000	1.461	1.630
σ		2.756%	0.090	0.535	1.013	0.000	261.800	0.170	0.335
%RSD		3.102	242.300	0.399	0.769	0.000	1.709	11.660	20.540
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	-1.668	49.230	0.000	15020.000	303900.000	358300.000	82.262%	0.039
2	18:46:10	-1.808	46.290	0.000	14690.000	299900.000	349200.000	86.364%	-0.087
3	18:46:51	-1.433	47.440	0.000	14730.000	302400.000	348900.000	87.399%	0.031
x		-1.636	47.650	0.000	14810.000	302100.000	352100.000	85.342%	-0.006
σ		0.189	1.482	0.000	177.400	2011.000	5343.000	2.717%	0.071
%RSD		11.560	3.110	0.000	1.197	0.666	1.517	3.184	1232.000
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	-0.517	13.190	-0.024	27.000	427.400	0.117	0.411	0.236
2	18:46:10	-1.140	12.720	-0.039	26.400	394.000	0.099	0.553	0.219
3	18:46:51	-1.242	13.030	-0.014	27.020	408.700	0.152	0.178	0.200
x		-0.966	12.980	-0.026	26.810	410.000	0.123	0.381	0.219
σ		0.393	0.239	0.012	0.353	16.770	0.027	0.190	0.018
%RSD		40.640	1.843	46.930	1.315	4.089	22.250	49.820	8.227
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	0.538	1.075	1.284	5.320	-0.642	18.730	0.000	4061.000
2	18:46:10	0.543	0.724	1.749	4.149	0.448	15.650	0.000	4889.000
3	18:46:51	0.257	0.834	1.574	4.847	0.361	15.400	0.000	4814.000
x		0.446	0.877	1.536	4.772	0.055	16.590	0.000	4588.000
σ		0.164	0.180	0.234	0.590	0.606	1.854	0.000	458.300
%RSD		36.710	20.490	15.260	12.350	1092.000	11.180	0.000	9.989
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	85.332%	281.800	285.700	82.838%	0.016	0.013	0.473	-0.001
2	18:46:10	88.528%	287.600	292.600	86.272%	0.011	0.012	0.319	0.225
3	18:46:51	90.462%	288.500	287.700	88.135%	0.011	-0.002	0.265	0.165
x		88.108%	286.000	288.700	85.749%	0.013	0.007	0.352	0.130
σ		2.591%	3.648	3.538	2.687%	0.003	0.008	0.108	0.117
%RSD		2.940	1.276	1.225	3.134	24.730	114.500	30.580	90.300
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	87.525%	3.927	0.011	-0.008	264.200	268.100	93.588%	94.008%
2	18:46:10	90.460%	3.208	0.024	0.021	270.900	275.100	96.640%	97.953%
3	18:46:51	92.578%	3.418	0.014	0.008	273.800	266.800	97.787%	100.367%
x		90.187%	3.518	0.016	0.007	269.600	270.000	96.005%	97.443%
σ		2.537%	0.370	0.007	0.015	4.928	4.469	2.170%	3.210%
%RSD		2.813	10.510	41.620	205.800	1.828	1.655	2.261	3.294
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:45:28	0.334	0.294	2.358	2.257	2.240	94.023%		
2	18:46:10	0.338	0.322	2.395	2.268	2.316	94.772%		
3	18:46:51	0.299	0.302	2.223	2.187	2.286	96.988%		
x		0.324	0.306	2.325	2.237	2.281	95.261%		
σ		0.022	0.014	0.090	0.044	0.038	1.542%		
%RSD		6.677	4.623	3.885	1.960	1.665	1.618		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	81.498%	-0.031	7.802	7.596	0.000	-31.720	-1.414	-0.296
2	18:50:26	81.969%	-0.031	8.585	7.253	0.000	-35.470	-1.899	-1.483
3	18:51:08	81.393%	-0.031	7.164	7.136	0.000	-33.390	-2.302	-1.827
x		81.620%	-0.031	7.850	7.328	0.000	-33.520	-1.872	-1.202
σ		0.307%	0.000	0.712	0.239	0.000	1.882	0.444	0.803
%RSD		0.376	0.000	9.066	3.264	0.000	5.613	23.740	66.820
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	-4.504	36.560	0.000	8.065	108.200	94.890	76.646%	0.116
2	18:50:26	-4.846	34.950	0.000	4.634	44.560	66.800	75.433%	-0.087
3	18:51:08	-4.822	34.510	0.000	8.549	93.810	66.780	74.043%	-0.017
x		-4.724	35.340	0.000	7.083	82.200	76.160	75.374%	0.004
σ		0.191	1.079	0.000	2.135	33.390	16.220	1.302%	0.103
%RSD		4.041	3.054	0.000	30.140	40.610	21.300	1.728	2800.000
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	-0.567	0.324	-0.041	8.007	4.111	-0.012	0.126	0.035
2	18:50:26	-1.675	0.323	-0.034	5.867	2.971	-0.007	0.061	0.075
3	18:51:08	-0.630	0.262	-0.049	4.611	2.974	-0.033	0.040	0.015
x		-0.957	0.303	-0.042	6.162	3.352	-0.017	0.075	0.042
σ		0.623	0.035	0.008	1.717	0.657	0.014	0.045	0.030
%RSD		65.030	11.690	18.370	27.860	19.600	80.350	59.160	72.680
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	0.467	0.206	0.141	0.581	-0.877	0.867	0.000	0.859
2	18:50:26	0.118	0.418	0.402	-1.861	-1.456	-1.955	0.000	0.693
3	18:51:08	0.056	0.151	0.341	0.968	-1.040	1.127	0.000	0.599
x		0.214	0.258	0.295	-0.104	-1.124	0.013	0.000	0.717
σ		0.222	0.141	0.137	1.534	0.298	1.709	0.000	0.132
%RSD		103.700	54.630	46.410	1477.000	26.540	13050.000	0.000	18.360
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	79.244%	2.301	2.247	79.932%	0.008	0.008	-0.110	-0.056
2	18:50:26	77.883%	1.313	1.205	78.938%	0.003	0.009	0.026	-0.003
3	18:51:08	77.194%	0.983	0.806	78.110%	0.003	0.003	0.033	-0.033
x		78.107%	1.532	1.419	78.993%	0.005	0.007	-0.017	-0.031
σ		1.043%	0.686	0.744	0.912%	0.003	0.003	0.080	0.027
%RSD		1.336	44.750	52.430	1.155	56.050	42.540	476.900	87.170
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	81.801%	3.138	0.003	0.033	0.041	0.120	86.698%	86.487%
2	18:50:26	81.046%	2.853	0.024	0.014	-0.037	-0.034	85.452%	86.319%
3	18:51:08	80.944%	2.502	-0.012	-0.013	-0.117	-0.018	85.628%	85.841%
x		81.264%	2.831	0.005	0.012	-0.038	0.023	85.926%	86.216%
σ		0.468%	0.318	0.018	0.023	0.079	0.085	0.675%	0.335%
%RSD		0.576	11.240	360.500	199.300	207.600	374.900	0.785	0.389
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:49:45	0.069	0.082	0.015	0.002	0.012	87.913%		
2	18:50:26	0.061	0.073	-0.002	0.007	0.014	87.105%		
3	18:51:08	0.036	0.055	0.002	0.015	0.010	86.876%		
x		0.056	0.070	0.005	0.008	0.012	87.298%		
σ		0.018	0.014	0.009	0.006	0.002	0.545%		
%RSD		31.570	19.700	179.000	79.110	14.510	0.624		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	79.506%	-0.031	5.006	4.577	0.000	-33.970	-2.017	-1.501
2	18:58:14	81.043%	-0.031	3.241	4.609	0.000	-31.170	-1.608	-0.750
3	18:58:56	79.130%	-0.031	4.879	4.087	0.000	-21.510	0.643	0.416
x		79.893%	-0.031	4.375	4.425	0.000	-28.880	-0.994	-0.612
σ		1.013%	0.000	0.984	0.293	0.000	6.536	1.433	0.966
%RSD		1.269	0.000	22.500	6.613	0.000	22.630	144.100	157.900

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	-5.052	15.010	0.000	3.143	9.844	-2.434	69.841%	-0.013
2	18:58:14	-4.810	12.570	0.000	3.058	9.616	3.489	71.105%	0.132
3	18:58:56	-4.237	14.140	0.000	4.052	9.625	17.540	71.131%	-0.087
x		-4.700	13.900	0.000	3.418	9.695	6.198	70.692%	0.010
σ		0.418	1.234	0.000	0.551	0.129	10.260	0.737%	0.111
%RSD		8.903	8.877	0.000	16.110	1.332	165.500	1.043	1071.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	-0.944	0.217	-0.050	2.404	3.876	-0.023	0.071	0.065
2	18:58:14	-0.449	0.163	-0.020	2.024	2.317	-0.014	0.093	0.069
3	18:58:56	-0.819	0.120	0.037	2.760	4.466	-0.019	0.045	-0.059
x		-0.737	0.167	-0.011	2.396	3.553	-0.019	0.069	0.025
σ		0.258	0.049	0.044	0.368	1.110	0.004	0.024	0.073
%RSD		34.970	29.260	398.300	15.350	31.260	23.650	34.830	293.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	-0.020	-0.160	-0.033	0.739	0.265	2.618	0.000	-0.025
2	18:58:14	0.096	-0.138	0.037	-0.610	-1.010	-1.689	0.000	0.058
3	18:58:56	-0.001	-0.006	0.036	-1.160	-1.292	-2.520	0.000	0.212
x		0.025	-0.101	0.013	-0.344	-0.679	-0.530	0.000	0.082
σ		0.062	0.083	0.040	0.977	0.830	2.758	0.000	0.120
%RSD		245.200	82.150	301.200	284.200	122.200	520.500	0.000	146.600

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	72.100%	0.054	0.090	72.358%	-0.001	0.004	-0.105	-0.180
2	18:58:14	72.959%	0.004	0.057	73.808%	-0.006	-0.007	0.101	0.084
3	18:58:56	73.363%	0.149	0.011	74.053%	0.004	-0.001	0.027	-0.066
x		72.807%	0.069	0.053	73.407%	-0.001	-0.001	0.007	-0.054
σ		0.645%	0.073	0.040	0.916%	0.005	0.006	0.104	0.132
%RSD		0.886	106.400	75.540	1.248	393.800	406.300	1392.000	244.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	75.700%	2.846	-0.000	-0.026	-0.117	-0.032	79.406%	80.399%
2	18:58:14	77.352%	2.665	-0.006	0.009	-0.034	-0.016	81.527%	82.491%
3	18:58:56	76.742%	3.159	0.010	-0.012	-0.089	0.049	82.301%	83.231%
x		76.598%	2.890	0.001	-0.009	-0.080	0.001	81.078%	82.041%
σ		0.835%	0.250	0.008	0.018	0.043	0.043	1.499%	1.469%
%RSD		1.090	8.655	668.100	188.800	53.220	7732.000	1.848	1.790

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	0.041	0.038	-0.012	-0.009	-0.003	83.723%
2	18:58:14	0.038	0.051	0.010	-0.013	0.002	83.982%
3	18:58:56	0.017	0.034	0.010	-0.000	0.002	83.232%
x		0.032	0.041	0.003	-0.007	0.000	83.646%
σ		0.013	0.009	0.013	0.006	0.003	0.381%
%RSD		40.470	22.450	447.600	88.580	884.400	0.455

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	102.282%	50.120	998.400	940.300	0.000	44730.000	39320.000	39620.000
2	19:02:29	107.945%	50.170	997.300	950.500	0.000	44110.000	39540.000	39830.000
3	19:03:10	114.605%	48.910	983.900	915.300	0.000	42900.000	38990.000	39500.000
x		108.277%	49.730	993.200	935.400	0.000	43910.000	39290.000	39650.000
σ		6.168%	0.716	8.094	18.140	0.000	929.600	277.400	164.600
%RSD		5.696	1.439	0.815	1.939	0.000	2.117	0.706	0.415

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	1693.000	8761.000	0.000	46410.000	47660.000	47060.000	76.645%	943.700
2	19:02:29	1699.000	8772.000	0.000	45720.000	46830.000	47190.000	80.479%	940.000
3	19:03:10	1675.000	8620.000	0.000	45180.000	46700.000	47100.000	81.955%	933.200
x		1689.000	8718.000	0.000	45770.000	47060.000	47120.000	79.693%	938.900
σ		12.440	84.760	0.000	620.400	521.400	65.490	2.741%	5.336
%RSD		0.736	0.972	0.000	1.355	1.108	0.139	3.439	0.568

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	455.000	190.900	469.600	760.600	1022.000	462.900	451.600	221.300
2	19:02:29	456.100	192.200	468.900	756.600	1009.000	459.800	454.800	223.700
3	19:03:10	454.600	190.100	471.400	762.400	1008.000	461.100	454.600	224.300
x		455.200	191.000	470.000	759.900	1013.000	461.300	453.700	223.100
σ		0.822	1.063	1.296	2.988	7.491	1.556	1.799	1.581
%RSD		0.181	0.556	0.276	0.393	0.740	0.337	0.397	0.709

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	221.000	469.100	480.200	37.450	6.598	9.674	0.000	931.600
2	19:02:29	222.400	472.400	476.600	35.710	6.998	8.527	0.000	924.600
3	19:03:10	221.700	474.900	478.300	31.920	8.039	7.962	0.000	932.100
x		221.700	472.100	478.400	35.030	7.211	8.721	0.000	929.400
σ		0.697	2.940	1.805	2.827	0.744	0.872	0.000	4.207
%RSD		0.314	0.623	0.377	8.071	10.320	10.000	0.000	0.453

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	76.865%	987.000	997.100	74.468%	47.250	46.540	49.890	39.180
2	19:02:29	81.309%	988.200	993.900	78.859%	47.300	46.540	48.420	37.670
3	19:03:10	83.383%	997.200	1009.000	80.566%	47.770	47.350	48.690	39.250
x		80.519%	990.800	999.900	77.964%	47.440	46.810	49.000	38.700
σ		3.330%	5.620	7.864	3.146%	0.286	0.468	0.782	0.890
%RSD		4.136	0.567	0.787	4.035	0.603	1.000	1.595	2.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	79.898%	1985.000	486.300	486.800	1840.000	1801.000	86.907%	89.069%
2	19:02:29	85.751%	1955.000	481.400	482.200	1841.000	1825.000	91.477%	93.179%
3	19:03:10	87.862%	1969.000	486.600	489.300	1831.000	1827.000	94.399%	96.006%
x		84.504%	1970.000	484.800	486.100	1837.000	1818.000	90.928%	92.751%
σ		4.126%	14.940	2.890	3.628	5.440	14.150	3.776%	3.488%
%RSD		4.883	0.758	0.596	0.746	0.296	0.778	4.153	3.761

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	44.800	44.300	19.000	19.400	19.180	89.120%
2	19:02:29	46.010	45.110	18.710	18.420	18.700	94.659%
3	19:03:10	46.060	45.740	19.360	19.140	19.280	96.274%
x		45.630	45.050	19.020	18.990	19.050	93.351%
σ		0.712	0.724	0.324	0.504	0.314	3.752%
%RSD		1.560	1.607	1.703	2.654	1.646	4.019

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	102.080%	-0.031	70.370	66.750	0.000	57550.000	21400.000	21500.000
2	19:06:44	102.442%	-0.000	59.060	64.610	0.000	56870.000	21330.000	21410.000
3	19:07:25	102.439%	-0.000	64.280	63.400	0.000	56840.000	21420.000	21470.000
x		102.320%	-0.010	64.570	64.920	0.000	57090.000	21380.000	21460.000
σ		0.208%	0.018	5.662	1.696	0.000	401.600	50.630	47.230
%RSD		0.203	170.500	8.769	2.612	0.000	0.704	0.237	0.220

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	104.700	7066.000	0.000	9653.000	24800.000	25410.000	74.987%	8.284
2	19:06:44	103.700	7064.000	0.000	9498.000	25790.000	25560.000	75.598%	6.983
3	19:07:25	106.900	7087.000	0.000	9537.000	25420.000	25400.000	75.724%	8.136
x		105.100	7072.000	0.000	9563.000	25330.000	25450.000	75.436%	7.801
σ		1.632	12.400	0.000	80.830	498.300	90.000	0.394%	0.713
%RSD		1.553	0.175	0.000	0.845	1.967	0.354	0.522	9.134

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	-4.369	1.342	76.950	14560.000	14650.000	0.188	1.519	2.210
2	19:06:44	-3.317	1.156	77.210	14400.000	14760.000	0.152	1.521	1.865
3	19:07:25	-3.797	1.354	77.970	14340.000	14730.000	0.238	1.679	2.179
x		-3.828	1.284	77.380	14430.000	14710.000	0.193	1.573	2.085
σ		0.527	0.111	0.534	115.200	60.500	0.043	0.092	0.191
%RSD		13.760	8.673	0.690	0.798	0.411	22.300	5.848	9.166

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	1.947	7.141	7.108	7.668	-1.549	0.182	0.000	256.100
2	19:06:44	1.979	6.642	7.100	7.120	-1.818	-2.223	0.000	260.900
3	19:07:25	1.817	6.454	7.184	7.722	-1.949	-1.128	0.000	262.000
x		1.914	6.746	7.131	7.503	-1.772	-1.056	0.000	259.700
σ		0.086	0.355	0.046	0.333	0.204	1.204	0.000	3.123
%RSD		4.485	5.262	0.650	4.435	11.490	114.000	0.000	1.203

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	76.689%	4.309	4.457	74.279%	0.004	0.004	-0.005	-0.025
2	19:06:44	76.980%	2.437	2.506	75.568%	0.018	0.004	-0.117	-0.337
3	19:07:25	77.091%	2.038	1.705	75.877%	0.028	-0.002	0.005	-0.128
x		76.920%	2.928	2.890	75.241%	0.017	0.002	-0.039	-0.163
σ		0.208%	1.213	1.415	0.848%	0.012	0.003	0.067	0.159
%RSD		0.270	41.410	48.980	1.127	74.120	162.600	172.100	97.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	80.727%	27.460	0.289	0.274	48.270	47.370	88.221%	89.282%
2	19:06:44	82.078%	21.960	0.248	0.164	48.700	47.900	89.093%	91.724%
3	19:07:25	81.217%	21.040	0.225	0.265	48.330	49.670	89.816%	92.008%
x		81.341%	23.480	0.254	0.234	48.430	48.310	89.043%	91.005%
σ		0.684%	3.472	0.032	0.061	0.235	1.208	0.798%	1.498%
%RSD		0.840	14.780	12.780	25.990	0.485	2.500	0.897	1.647

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	0.831	0.773	0.693	0.598	0.655	87.667%
2	19:06:44	0.558	0.607	0.659	0.640	0.630	89.320%
3	19:07:25	0.401	0.468	0.665	0.642	0.635	90.754%
x		0.597	0.616	0.672	0.627	0.640	89.247%
σ		0.217	0.153	0.018	0.025	0.013	1.545%
%RSD		36.440	24.770	2.696	3.969	2.107	1.731

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	96.447%	-0.031	68.870	67.090	0.000	70580.000	18890.000	18900.000
2	19:10:59	100.071%	-0.031	65.240	65.870	0.000	68990.000	18650.000	18720.000
3	19:11:41	100.995%	-0.031	67.190	63.540	0.000	68480.000	18650.000	18660.000
x		99.171%	-0.031	67.100	65.500	0.000	69350.000	18730.000	18760.000
σ		2.404%	0.000	1.819	1.800	0.000	1097.000	140.400	123.200
%RSD		2.424	0.000	2.712	2.748	0.000	1.582	0.750	0.657

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	144.200	6527.000	0.000	4185.000	35560.000	35530.000	75.521%	10.560
2	19:10:59	146.800	6451.000	0.000	4160.000	36660.000	35680.000	77.084%	9.938
3	19:11:41	141.200	6428.000	0.000	4160.000	35980.000	35530.000	77.011%	8.803
x		144.100	6469.000	0.000	4168.000	36070.000	35580.000	76.539%	9.768
σ		2.814	52.080	0.000	14.590	552.400	84.400	0.882%	0.892
%RSD		1.953	0.805	0.000	0.350	1.532	0.237	1.153	9.128

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	-2.239	0.927	373.100	52870.000	53950.000	0.561	1.590	3.917
2	19:10:59	-2.555	0.853	374.600	51780.000	53860.000	0.342	1.402	3.675
3	19:11:41	-2.305	1.093	375.000	51850.000	54280.000	0.367	1.920	3.939
x		-2.367	0.958	374.200	52170.000	54030.000	0.423	1.638	3.844
σ		0.167	0.123	1.008	608.000	219.100	0.120	0.262	0.146
%RSD		7.046	12.830	0.269	1.165	0.405	28.370	16.000	3.802

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	4.608	8.076	8.442	17.590	-0.925	0.174	0.000	373.400
2	19:10:59	3.561	8.335	9.090	15.680	0.110	-1.384	0.000	372.500
3	19:11:41	3.699	7.659	8.777	15.680	-0.755	-0.700	0.000	377.400
x		3.956	8.023	8.770	16.310	-0.523	-0.637	0.000	374.400
σ		0.569	0.341	0.324	1.103	0.555	0.781	0.000	2.631
%RSD		14.380	4.247	3.698	6.761	106.000	122.600	0.000	0.703

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	77.080%	0.792	0.899	75.624%	0.004	-0.002	0.053	0.048
2	19:10:59	79.372%	0.624	0.799	77.686%	0.008	-0.002	0.088	-0.155
3	19:11:41	79.197%	0.514	0.762	78.160%	0.003	0.003	-0.008	-0.075
x		78.550%	0.643	0.820	77.157%	0.005	-0.000	0.044	-0.061
σ		1.276%	0.140	0.071	1.348%	0.003	0.003	0.048	0.102
%RSD		1.624	21.750	8.638	1.747	56.070	7384.000	109.000	168.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	79.632%	14.290	0.504	0.473	76.210	77.740	87.693%	89.118%
2	19:10:59	82.668%	14.720	0.449	0.390	76.970	77.590	90.205%	91.431%
3	19:11:41	84.545%	12.250	0.474	0.400	76.370	76.570	91.885%	92.688%
x		82.282%	13.750	0.476	0.421	76.520	77.300	89.928%	91.079%
σ		2.479%	1.323	0.027	0.045	0.398	0.636	2.110%	1.811%
%RSD		3.013	9.617	5.714	10.740	0.521	0.823	2.346	1.988

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	0.240	0.235	4.051	3.945	3.974	86.606%
2	19:10:59	0.172	0.228	4.018	4.138	4.000	90.129%
3	19:11:41	0.208	0.196	3.833	3.851	3.945	91.181%
x		0.206	0.219	3.967	3.978	3.973	89.306%
σ		0.034	0.021	0.117	0.146	0.027	2.396%
%RSD		16.440	9.490	2.959	3.681	0.692	2.683

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	100.660%	-0.031	65.760	67.430	0.000	88240.000	23440.000	23470.000
2	19:15:15	102.332%	-0.000	68.820	66.160	0.000	87870.000	23630.000	23730.000
3	19:15:56	104.209%	0.029	68.200	66.980	0.000	87290.000	23490.000	23520.000
x		102.401%	-0.001	67.590	66.860	0.000	87800.000	23520.000	23580.000
σ		1.775%	0.030	1.620	0.646	0.000	481.300	97.740	137.100
%RSD		1.734	5603.000	2.397	0.966	0.000	0.548	0.416	0.582

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	69.030	5304.000	0.000	4823.000	40960.000	40460.000	74.531%	3.530
2	19:15:15	69.700	5319.000	0.000	4850.000	40230.000	40670.000	76.387%	4.663
3	19:15:56	70.860	5319.000	0.000	4855.000	41650.000	40530.000	77.944%	5.103
x		69.860	5314.000	0.000	4843.000	40950.000	40550.000	76.287%	4.432
σ		0.926	8.299	0.000	16.890	708.500	106.500	1.709%	0.812
%RSD		1.325	0.156	0.000	0.349	1.730	0.263	2.240	18.310

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	-1.917	0.982	858.900	5926.000	6177.000	0.236	1.283	3.483
2	19:15:15	-2.646	1.260	862.300	5867.000	6164.000	0.377	1.069	3.210
3	19:15:56	-3.619	1.253	864.500	5858.000	6179.000	0.367	1.206	3.855
x		-2.728	1.165	861.900	5884.000	6173.000	0.327	1.186	3.516
σ		0.854	0.158	2.798	36.860	8.339	0.079	0.109	0.324
%RSD		31.300	13.590	0.325	0.627	0.135	24.030	9.160	9.221

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	3.612	4.403	4.297	18.050	-1.432	-0.071	0.000	286.900
2	19:15:15	3.554	5.236	5.204	17.320	-0.884	-0.190	0.000	288.400
3	19:15:56	4.090	4.742	4.048	15.780	0.313	-1.320	0.000	291.200
x		3.752	4.794	4.516	17.050	-0.667	-0.527	0.000	288.800
σ		0.294	0.419	0.608	1.159	0.892	0.689	0.000	2.213
%RSD		7.834	8.733	13.470	6.796	133.700	130.800	0.000	0.766

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	77.262%	0.444	0.403	74.715%	0.009	0.009	-0.002	-0.074
2	19:15:15	79.560%	0.352	0.431	77.350%	0.008	0.003	-0.092	-0.122
3	19:15:56	80.151%	0.533	0.372	78.546%	-0.002	0.018	0.027	-0.088
x		78.991%	0.443	0.402	76.870%	0.005	0.010	-0.022	-0.094
σ		1.526%	0.091	0.029	1.960%	0.006	0.008	0.062	0.025
%RSD		1.932	20.540	7.335	2.550	116.400	74.010	275.500	25.950

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	81.318%	10.480	0.464	0.651	80.400	78.570	86.945%	90.114%
2	19:15:15	83.731%	10.370	0.603	0.673	77.330	77.960	91.945%	93.300%
3	19:15:56	85.286%	10.220	0.636	0.661	77.920	78.890	93.067%	95.086%
x		83.445%	10.360	0.568	0.662	78.550	78.470	90.652%	92.833%
σ		2.000%	0.129	0.092	0.011	1.629	0.473	3.259%	2.519%
%RSD		2.397	1.243	16.160	1.681	2.074	0.602	3.595	2.713

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	0.124	0.123	2.129	2.001	2.145	86.970%
2	19:15:15	0.106	0.108	2.077	2.000	2.096	91.685%
3	19:15:56	0.098	0.106	2.048	2.230	2.153	93.388%
x		0.109	0.112	2.085	2.077	2.131	90.681%
σ		0.013	0.009	0.041	0.132	0.031	3.325%
%RSD		12.060	8.280	1.958	6.372	1.461	3.667

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	98.516%	-0.031	66.460	66.160	0.000	89180.000	23610.000	23640.000
2	19:19:31	99.838%	0.032	73.070	67.980	0.000	88450.000	23750.000	23770.000
3	19:20:12	101.613%	0.061	69.110	65.820	0.000	87340.000	23550.000	23610.000
x		99.989%	0.021	69.550	66.650	0.000	88320.000	23640.000	23670.000
σ		1.554%	0.047	3.327	1.164	0.000	924.300	101.900	85.710
%RSD		1.554	226.100	4.784	1.746	0.000	1.046	0.431	0.362

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	67.610	5418.000	0.000	4794.000	41070.000	40530.000	76.328%	5.009
2	19:19:31	70.300	5399.000	0.000	4814.000	40370.000	40450.000	77.214%	4.682
3	19:20:12	71.480	5367.000	0.000	4862.000	41100.000	40240.000	77.554%	3.926
x		69.790	5395.000	0.000	4823.000	40850.000	40400.000	77.032%	4.539
σ		1.985	25.960	0.000	34.910	410.200	151.200	0.633%	0.556
%RSD		2.844	0.481	0.000	0.724	1.004	0.374	0.822	12.240

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	-2.346	1.408	853.700	5116.000	6114.000	0.299	1.134	3.543
2	19:19:31	-2.967	1.350	861.200	5846.000	6184.000	0.295	1.056	2.994
3	19:20:12	-2.574	1.442	861.700	5804.000	6148.000	0.369	1.219	3.749
x		-2.629	1.400	858.900	5589.000	6148.000	0.321	1.137	3.429
σ		0.314	0.047	4.463	409.600	35.110	0.042	0.082	0.390
%RSD		11.960	3.331	0.520	7.329	0.571	12.990	7.183	11.380

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	2.661	5.198	4.023	18.700	-1.858	-1.144	0.000	283.800
2	19:19:31	3.333	4.787	4.415	19.490	-0.768	0.088	0.000	287.800
3	19:20:12	3.254	5.159	5.180	15.430	-1.521	-1.262	0.000	287.600
x		3.083	5.048	4.539	17.880	-1.382	-0.773	0.000	286.400
σ		0.367	0.227	0.588	2.150	0.558	0.748	0.000	2.278
%RSD		11.900	4.497	12.960	12.030	40.360	96.800	0.000	0.795

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	78.555%	0.459	0.341	75.896%	0.008	0.004	0.028	-0.084
2	19:19:31	79.549%	0.240	0.485	78.084%	-0.002	-0.002	-0.071	-0.107
3	19:20:12	79.752%	0.349	0.352	77.913%	-0.002	0.003	0.016	-0.055
x		79.285%	0.349	0.393	77.298%	0.002	0.002	-0.009	-0.082
σ		0.641%	0.110	0.080	1.217%	0.006	0.003	0.054	0.026
%RSD		0.808	31.370	20.470	1.574	341.500	178.300	602.800	31.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	81.331%	8.989	0.576	0.517	77.870	77.850	88.060%	89.931%
2	19:19:31	83.287%	8.079	0.652	0.620	78.820	78.750	90.874%	92.367%
3	19:20:12	83.843%	7.616	0.573	0.532	80.400	77.420	91.167%	92.620%
x		82.820%	8.228	0.600	0.556	79.030	78.010	90.033%	91.639%
σ		1.319%	0.699	0.045	0.055	1.276	0.681	1.716%	1.485%
%RSD		1.593	8.494	7.470	9.957	1.615	0.874	1.906	1.620

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	0.114	0.107	2.134	1.945	2.061	85.703%
2	19:19:31	0.086	0.108	2.029	2.085	2.040	90.257%
3	19:20:12	0.085	0.121	1.976	2.011	2.013	90.820%
x		0.095	0.112	2.046	2.014	2.038	88.926%
σ		0.017	0.007	0.081	0.070	0.024	2.806%
%RSD		17.500	6.693	3.936	3.481	1.182	3.155

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	109.913%	-0.031	247.300	223.000	0.000	35090.000	37800.000	38090.000
2	19:23:47	113.002%	-0.031	243.900	226.200	0.000	34970.000	37910.000	38430.000
3	19:24:29	115.324%	-0.031	258.400	221.400	0.000	34840.000	38150.000	42420.000
x		112.746%	-0.031	249.900	223.500	0.000	34970.000	37960.000	39650.000
σ		2.715%	0.000	7.616	2.434	0.000	121.000	177.500	2411.000
%RSD		2.408	0.000	3.048	1.089	0.000	0.346	0.468	6.081
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	-1.547	7466.000	0.000	14820.000	104300.000	104700.000	81.421%	1.188
2	19:23:47	-0.003	7522.000	0.000	14790.000	104600.000	105300.000	83.580%	1.714
3	19:24:29	-0.902	7499.000	0.000	14770.000	106300.000	105600.000	84.776%	1.384
x		-0.817	7496.000	0.000	14790.000	105100.000	105200.000	83.259%	1.429
σ		0.775	28.210	0.000	22.910	1088.000	466.600	1.700%	0.266
%RSD		94.840	0.376	0.000	0.155	1.035	0.444	2.042	18.610
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	-9.701	1.599	23.290	94.830	232.800	0.136	1.367	3.597
2	19:23:47	-6.923	2.056	24.960	100.900	241.000	0.143	1.116	3.861
3	19:24:29	-8.531	2.164	24.040	97.310	229.400	0.134	1.319	3.692
x		-8.385	1.940	24.100	97.680	234.400	0.138	1.267	3.716
σ		1.395	0.300	0.836	3.042	5.923	0.005	0.133	0.134
%RSD		16.630	15.470	3.468	3.114	2.527	3.635	10.510	3.592
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	3.510	12.580	11.970	-1.198	-0.870	0.718	0.000	573.800
2	19:23:47	3.821	12.410	13.750	2.542	-1.076	1.533	0.000	576.800
3	19:24:29	3.334	12.750	13.430	0.860	1.467	-0.449	0.000	583.400
x		3.555	12.580	13.050	0.735	-0.160	0.601	0.000	578.000
σ		0.247	0.171	0.949	1.873	1.413	0.996	0.000	4.945
%RSD		6.940	1.360	7.272	255.000	884.100	165.900	0.000	0.856
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	81.438%	0.750	0.727	79.122%	-0.006	-0.002	-0.084	-0.123
2	19:23:47	83.769%	0.731	0.862	81.847%	0.021	0.032	-0.036	-0.006
3	19:24:29	84.010%	0.789	0.774	82.692%	0.003	0.012	-0.071	-0.164
x		83.072%	0.757	0.787	81.221%	0.006	0.014	-0.063	-0.098
σ		1.420%	0.030	0.068	1.866%	0.014	0.017	0.025	0.082
%RSD		1.710	3.903	8.698	2.297	244.500	120.100	39.370	84.210
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	84.302%	6.909	0.606	0.825	111.700	110.500	90.356%	93.336%
2	19:23:47	87.780%	7.188	0.748	0.729	111.300	107.200	94.912%	96.394%
3	19:24:29	88.919%	7.107	0.676	0.768	109.200	109.900	96.042%	96.991%
x		87.000%	7.068	0.676	0.774	110.700	109.200	93.770%	95.574%
σ		2.405%	0.144	0.071	0.049	1.309	1.728	3.010%	1.961%
%RSD		2.764	2.037	10.480	6.283	1.182	1.583	3.210	2.052
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:23:06	0.071	0.074	0.268	0.298	0.287	88.699%		
2	19:23:47	0.059	0.085	0.264	0.286	0.293	92.241%		
3	19:24:29	0.061	0.045	0.286	0.351	0.309	93.578%		
x		0.063	0.068	0.273	0.312	0.296	91.506%		
σ		0.006	0.021	0.012	0.035	0.012	2.521%		
%RSD		9.874	30.650	4.261	11.230	3.920	2.755		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	91.807%	0.003	47.270	45.550	0.000	7280.000	7520.000	7530.000
2	19:28:04	91.681%	0.037	48.940	49.780	0.000	7254.000	7540.000	7592.000
3	19:28:45	92.126%	0.036	54.260	46.570	0.000	7137.000	7494.000	7535.000
x		91.871%	0.025	50.160	47.300	0.000	7224.000	7518.000	7553.000
σ		0.229%	0.019	3.653	2.209	0.000	76.290	23.330	34.530
%RSD		0.249	76.630	7.284	4.670	0.000	1.056	0.310	0.457
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	0.563	1527.000	0.000	2559.000	20710.000	20640.000	78.105%	0.511
2	19:28:04	0.508	1540.000	0.000	2587.000	20860.000	20550.000	77.726%	0.113
3	19:28:45	-1.435	1517.000	0.000	2550.000	21410.000	20780.000	77.024%	0.586
x		-0.122	1528.000	0.000	2566.000	20990.000	20660.000	77.618%	0.404
σ		1.138	11.700	0.000	19.450	365.500	116.800	0.549%	0.254
%RSD		936.100	0.766	0.000	0.758	1.741	0.565	0.707	63.020
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	-3.778	0.615	5.114	34.950	75.070	0.064	0.419	1.426
2	19:28:04	-3.216	0.570	5.596	33.260	63.910	0.060	0.486	1.398
3	19:28:45	-2.562	0.655	4.948	27.560	66.270	0.043	0.240	1.312
x		-3.185	0.614	5.219	31.920	68.420	0.056	0.382	1.379
σ		0.609	0.042	0.337	3.873	5.882	0.011	0.127	0.059
%RSD		19.100	6.900	6.454	12.130	8.597	19.690	33.370	4.314
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	1.041	2.815	3.704	-1.454	0.409	-0.793	0.000	115.000
2	19:28:04	1.532	3.042	2.520	-0.806	-1.227	-0.927	0.000	116.400
3	19:28:45	1.242	2.421	3.123	-0.841	-1.374	-1.220	0.000	114.500
x		1.272	2.759	3.116	-1.034	-0.731	-0.980	0.000	115.300
σ		0.247	0.314	0.592	0.364	0.990	0.219	0.000	1.009
%RSD		19.390	11.380	19.010	35.230	135.500	22.290	0.000	0.875
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	77.837%	0.244	0.360	79.015%	0.042	-0.002	-0.070	-0.113
2	19:28:04	78.004%	0.242	0.216	79.403%	0.013	0.019	0.072	-0.005
3	19:28:45	79.029%	0.144	0.073	79.036%	0.003	-0.002	-0.010	-0.113
x		78.290%	0.210	0.216	79.151%	0.019	0.005	-0.003	-0.077
σ		0.645%	0.057	0.143	0.218%	0.020	0.012	0.072	0.062
%RSD		0.824	27.230	66.180	0.276	105.000	235.700	2683.000	80.620
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	81.502%	3.222	0.194	0.166	20.410	21.880	86.271%	87.645%
2	19:28:04	82.482%	3.386	0.177	0.171	21.490	22.240	87.123%	88.857%
3	19:28:45	83.332%	2.943	0.195	0.169	21.810	21.870	88.125%	88.952%
x		82.439%	3.183	0.189	0.169	21.240	22.000	87.173%	88.484%
σ		0.916%	0.224	0.010	0.002	0.731	0.213	0.928%	0.729%
%RSD		1.111	7.028	5.510	1.266	3.443	0.970	1.065	0.824
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:27:22	0.068	0.077	0.088	0.067	0.094	82.350%		
2	19:28:04	0.064	0.063	0.071	0.098	0.093	84.135%		
3	19:28:45	0.060	0.054	0.056	0.085	0.067	84.982%		
x		0.064	0.064	0.072	0.083	0.085	83.822%		
σ		0.004	0.012	0.016	0.015	0.015	1.343%		
%RSD		6.613	18.050	22.370	18.640	17.820	1.603		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	75.172%	108.000	110.100	106.900	0.000	51510.000	44910.000	45030.000
2	19:35:13	76.584%	110.000	105.600	106.400	0.000	50840.000	45120.000	45500.000
3	19:35:55	77.679%	106.600	103.700	105.300	0.000	50880.000	45510.000	45690.000
x		76.478%	108.200%	106.441%	106.194%	0.000	102.157%	90.367%	90.811%
σ		1.257%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.643	1.604	3.097	0.767	0.000	0.741	0.675	0.755

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	507.500	5163.000	0.000	52080.000	52570.000	51450.000	70.250%	105.200
2	19:35:13	512.000	5219.000	0.000	51360.000	51090.000	51770.000	72.472%	105.200
3	19:35:55	507.300	5265.000	0.000	51320.000	53920.000	51550.000	74.327%	102.500
x		101.785%	104.321%	0.000	103.171%	105.052%	103.181%	72.350%	104.316%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.041%	n/a
%RSD		0.520	0.980	0.000	0.834	2.697	0.312	2.821	1.471

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	104.800	105.000	511.200	26020.000	25630.000	103.500	108.200	104.200
2	19:35:13	105.500	104.900	518.900	25610.000	25840.000	106.100	106.200	106.800
3	19:35:55	102.800	106.000	515.400	25570.000	26000.000	105.200	105.000	107.100
x		104.371%	105.277%	103.035%	102.941%	103.298%	104.936%	106.431%	106.041%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.322	0.582	0.748	0.962	0.728	1.254	1.515	1.550

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	105.400	103.200	104.900	97.570	101.100	94.720	0.000	97.160
2	19:35:13	105.700	101.900	106.400	100.200	98.400	98.640	0.000	95.710
3	19:35:55	103.200	105.300	104.400	103.600	98.490	103.000	0.000	96.450
x		104.761%	103.474%	105.250%	100.438%	99.336%	98.798%	0.000	96.443%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.317	1.671	0.981	2.992	1.554	4.211	0.000	0.750

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	79.442%	96.220	98.470	75.464%	98.000	98.000	98.050	98.590
2	19:35:13	82.890%	100.100	100.600	78.812%	98.010	98.140	97.770	96.110
3	19:35:55	83.499%	102.300	101.600	80.804%	99.320	101.500	98.330	100.400
x		81.943%	99.544%	100.235%	78.360%	98.444%	99.223%	98.050%	98.358%
σ		2.188%	n/a	n/a	2.699%	n/a	n/a	n/a	n/a
%RSD		2.670	3.103	1.606	3.444	0.769	2.017	0.289	2.176

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	79.015%	98.190	98.570	99.440	94.510	96.910	84.458%	84.559%
2	19:35:13	83.187%	99.510	97.680	98.710	96.040	97.300	87.986%	89.218%
3	19:35:55	83.988%	101.500	99.640	99.140	96.180	96.940	89.471%	90.853%
x		82.063%	99.741%	98.629%	99.095%	95.576%	97.051%	87.305%	88.210%
σ		2.670%	n/a	n/a	n/a	n/a	n/a	2.575%	3.266%
%RSD		3.254	1.686	0.993	0.368	0.968	0.226	2.949	3.703

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	99.520	98.750	100.400	99.310	100.200	83.516%
2	19:35:13	99.890	99.650	101.500	101.900	101.600	86.942%
3	19:35:55	101.100	100.100	100.700	101.600	101.500	88.589%
x		100.167%	99.497%	100.881%	100.924%	101.093%	86.349%
σ		n/a	n/a	n/a	n/a	n/a	2.588%
%RSD		0.818	0.683	0.533	1.395	0.775	2.997

CCB4 12/29/2012 7:41:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	86.219%	0.040	2.445	2.593	0.000	-32.230	16.210	14.240
2	19:43:03	87.267%	0.039	4.060	2.431	0.000	-1.746	25.800	24.590
3	19:43:45	86.120%	-0.031	1.417	2.341	0.000	-58.100	4.007	4.983
x		86.535%	0.016	2.641	2.455	0.000	-30.690	15.340	14.600
σ		0.636%	0.041	1.332	0.128	0.000	28.210	10.920	9.807
%RSD		0.735	248.700	50.450	5.202	0.000	91.910	71.220	67.150

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	-2.811	5.056	0.000	7.213	30.600	34.250	80.161%	-0.023
2	19:43:03	-2.038	5.999	0.000	15.190	92.000	60.820	80.217%	0.107
3	19:43:45	-4.128	4.836	0.000	-3.941	19.290	11.200	80.613%	0.106
x		-2.992	5.297	0.000	6.155	47.290	35.420	80.330%	0.063
σ		1.057	0.618	0.000	9.612	39.120	24.830	0.246%	0.074
%RSD		35.310	11.670	0.000	156.200	82.720	70.100	0.307	117.400

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	-0.004	0.040	0.178	15.260	22.220	0.016	0.077	0.437
2	19:43:03	0.085	0.075	0.438	16.320	19.450	0.060	0.182	0.409
3	19:43:45	-0.093	-0.038	0.049	6.293	9.242	-0.000	0.055	0.397
x		-0.004	0.025	0.222	12.620	16.970	0.025	0.105	0.415
σ		0.089	0.058	0.198	5.509	6.836	0.031	0.068	0.020
%RSD		2173.000	227.200	89.380	43.640	40.280	123.900	64.980	4.905

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	0.400	0.613	1.080	-0.055	-1.200	-0.204	0.000	0.273
2	19:43:03	0.457	0.839	0.127	0.166	-1.005	0.393	0.000	0.446
3	19:43:45	0.243	0.294	0.081	0.011	-0.286	-0.061	0.000	0.092
x		0.367	0.582	0.430	0.041	-0.830	0.043	0.000	0.270
σ		0.111	0.274	0.564	0.113	0.482	0.312	0.000	0.177
%RSD		30.200	47.060	131.300	279.000	57.990	730.300	0.000	65.430

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	80.711%	0.275	0.229	82.469%	0.059	0.028	-0.022	-0.053
2	19:43:03	82.344%	0.188	0.127	83.260%	0.081	0.042	0.032	0.005
3	19:43:45	82.208%	0.199	0.101	84.126%	0.007	0.018	0.117	0.056
x		81.754%	0.221	0.153	83.285%	0.049	0.029	0.042	0.002
σ		0.906%	0.047	0.068	0.829%	0.038	0.012	0.070	0.055
%RSD		1.109	21.420	44.440	0.995	77.150	42.180	167.300	2185.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	82.988%	0.662	0.039	0.033	0.014	0.074	85.436%	86.150%
2	19:43:03	84.901%	0.616	0.092	0.083	0.012	0.239	86.077%	86.968%
3	19:43:45	84.284%	0.676	0.037	-0.007	0.037	0.026	87.862%	88.488%
x		84.058%	0.651	0.056	0.036	0.021	0.113	86.458%	87.202%
σ		0.976%	0.031	0.031	0.045	0.014	0.112	1.258%	1.186%
%RSD		1.162	4.815	55.760	124.200	66.000	99.310	1.454	1.361

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	0.086	0.084	0.046	0.033	0.046	88.762%
2	19:43:03	0.076	0.091	0.093	0.045	0.060	89.421%
3	19:43:45	0.023	0.052	-0.003	0.002	0.010	89.983%
x		0.062	0.076	0.046	0.027	0.039	89.389%
σ		0.034	0.021	0.048	0.022	0.026	0.611%
%RSD		55.140	27.480	105.300	83.580	67.340	0.684

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	106.786%	48.340	1203.000	1153.000	0.000	79290.000	86860.000	86830.000
2	19:47:22	111.091%	49.080	1191.000	1151.000	0.000	77730.000	85240.000	85380.000
3	19:48:03	112.509%	50.660	1202.000	1157.000	0.000	77640.000	84900.000	85400.000
x		110.128%	49.360	1199.000	1154.000	0.000	78220.000	85670.000	85870.000
σ		2.980%	1.186	6.549	2.877	0.000	925.800	1050.000	832.500
%RSD		2.706	2.403	0.546	0.249	0.000	1.184	1.225	0.969

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	1687.000	16370.000	0.000	60510.000	151900.000	153200.000	79.784%	940.400
2	19:47:22	1684.000	16360.000	0.000	59200.000	149100.000	153600.000	81.560%	934.700
3	19:48:03	1686.000	16390.000	0.000	59090.000	150000.000	154100.000	82.060%	944.200
x		1686.000	16370.000	0.000	59600.000	150300.000	153700.000	81.135%	939.800
σ		1.400	13.850	0.000	789.800	1417.000	441.000	1.197%	4.769
%RSD		0.083	0.085	0.000	1.325	0.943	0.287	1.475	0.507

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	461.100	189.500	490.700	845.300	1228.000	470.300	466.400	225.900
2	19:47:22	465.100	191.800	498.100	856.700	1273.000	473.500	465.600	231.700
3	19:48:03	460.800	194.200	497.100	846.600	1235.000	471.500	459.900	230.200
x		462.400	191.800	495.300	849.500	1245.000	471.800	463.900	229.200
σ		2.382	2.372	4.003	6.224	24.130	1.641	3.566	3.027
%RSD		0.515	1.236	0.808	0.733	1.938	0.348	0.769	1.320

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	223.200	475.600	484.000	38.200	7.640	8.346	0.000	1576.000
2	19:47:22	227.300	480.300	490.800	35.950	7.562	9.162	0.000	1604.000
3	19:48:03	231.300	484.100	493.000	35.480	7.354	7.901	0.000	1611.000
x		227.300	480.000	489.300	36.540	7.519	8.469	0.000	1597.000
σ		4.074	4.227	4.698	1.453	0.148	0.640	0.000	18.870
%RSD		1.793	0.881	0.960	3.976	1.965	7.551	0.000	1.182

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	74.604%	1018.000	1013.000	74.875%	47.700	45.710	46.140	37.700
2	19:47:22	75.822%	1038.000	1028.000	77.073%	47.340	47.030	48.630	37.880
3	19:48:03	76.379%	1032.000	1031.000	77.913%	46.620	46.790	47.530	40.990
x		75.602%	1029.000	1024.000	76.620%	47.220	46.510	47.430	38.850
σ		0.908%	9.850	9.659	1.569%	0.548	0.707	1.246	1.847
%RSD		1.201	0.957	0.944	2.048	1.160	1.519	2.627	4.755

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	80.331%	1931.000	477.200	480.600	1947.000	1944.000	85.625%	88.707%
2	19:47:22	82.320%	1957.000	484.900	487.400	1949.000	1951.000	89.868%	92.169%
3	19:48:03	83.636%	1951.000	488.300	481.700	1957.000	1951.000	91.466%	93.567%
x		82.095%	1947.000	483.500	483.200	1951.000	1949.000	88.986%	91.481%
σ		1.664%	13.480	5.687	3.610	4.999	4.269	3.019%	2.502%
%RSD		2.027	0.692	1.176	0.747	0.256	0.219	3.392	2.735

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	45.530	44.910	20.020	19.870	19.910	84.578%
2	19:47:22	46.510	45.560	19.540	19.010	19.410	89.556%
3	19:48:03	46.550	46.550	20.080	20.020	19.890	88.863%
x		46.200	45.670	19.880	19.640	19.740	87.666%
σ		0.583	0.825	0.292	0.545	0.284	2.696%
%RSD		1.261	1.805	1.471	2.775	1.436	3.076

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	109.844%	47.530	1191.000	1140.000	0.000	76800.000	84740.000	84580.000
2	19:51:39	109.665%	50.420	1238.000	1142.000	0.000	76990.000	84390.000	84530.000
3	19:52:21	110.959%	48.670	1222.000	1153.000	0.000	76900.000	84320.000	84300.000
x		110.156%	48.870	1217.000	1145.000	0.000	76900.000	84480.000	84470.000
σ		0.701%	1.455	24.140	6.955	0.000	96.920	220.600	152.800
%RSD		0.636	2.977	1.984	0.607	0.000	0.126	0.261	0.181

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	1668.000	16070.000	0.000	58730.000	150400.000	151900.000	80.237%	925.700
2	19:51:39	1679.000	16180.000	0.000	58690.000	148700.000	152600.000	81.191%	924.800
3	19:52:21	1673.000	16140.000	0.000	58690.000	149700.000	153500.000	80.875%	937.500
x		1673.000	16130.000	0.000	58700.000	149600.000	152700.000	80.768%	929.300
σ		5.434	55.240	0.000	25.170	877.600	778.200	0.486%	7.057
%RSD		0.325	0.342	0.000	0.043	0.587	0.510	0.602	0.759

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	463.300	192.900	493.000	844.400	1205.000	473.100	464.100	227.600
2	19:51:39	460.200	189.800	497.300	841.800	1250.000	470.400	457.800	228.100
3	19:52:21	460.000	193.000	497.000	847.100	1212.000	467.000	466.400	229.700
x		461.200	191.900	495.800	844.500	1223.000	470.200	462.800	228.500
σ		1.865	1.795	2.355	2.662	23.980	3.028	4.465	1.089
%RSD		0.404	0.935	0.475	0.315	1.961	0.644	0.965	0.477

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	226.900	485.300	494.100	35.840	7.372	7.971	0.000	1620.000
2	19:51:39	226.600	491.800	493.200	36.350	7.316	7.564	0.000	1633.000
3	19:52:21	230.500	493.700	504.000	36.800	5.804	8.943	0.000	1644.000
x		228.000	490.300	497.100	36.330	6.831	8.159	0.000	1632.000
σ		2.137	4.434	6.000	0.482	0.889	0.709	0.000	11.820
%RSD		0.937	0.904	1.207	1.327	13.020	8.686	0.000	0.724

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	73.465%	1029.000	1019.000	76.097%	47.580	45.960	47.240	39.480
2	19:51:39	74.762%	1034.000	1032.000	77.431%	47.500	45.860	46.310	39.030
3	19:52:21	74.553%	1043.000	1027.000	78.066%	46.390	46.160	46.500	39.160
x		74.260%	1035.000	1026.000	77.198%	47.160	45.990	46.680	39.230
σ		0.696%	7.484	7.008	1.005%	0.667	0.154	0.490	0.232
%RSD		0.938	0.723	0.683	1.302	1.415	0.334	1.049	0.592

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	82.750%	1906.000	478.200	478.100	1927.000	1909.000	89.912%	90.955%
2	19:51:39	84.093%	1944.000	482.900	486.100	1939.000	1933.000	91.447%	93.592%
3	19:52:21	84.652%	1943.000	485.800	483.300	1938.000	1932.000	92.521%	94.261%
x		83.831%	1931.000	482.300	482.500	1935.000	1925.000	91.293%	92.936%
σ		0.978%	21.360	3.846	4.090	6.556	13.270	1.311%	1.748%
%RSD		1.166	1.106	0.797	0.848	0.339	0.690	1.436	1.881

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	47.020	45.910	19.990	19.110	19.700	86.084%
2	19:51:39	46.610	46.330	20.090	19.940	20.140	89.389%
3	19:52:21	46.730	45.660	19.710	19.570	19.610	92.210%
x		46.790	45.960	19.930	19.540	19.820	89.228%
σ		0.211	0.340	0.196	0.414	0.281	3.066%
%RSD		0.451	0.739	0.985	2.121	1.417	3.436

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	94.455%	-0.031	130.700	124.500	0.000	21000.000	26160.000	26230.000
2	19:55:54	95.066%	-0.031	126.900	126.700	0.000	20810.000	26290.000	26260.000
3	19:56:36	97.116%	-0.031	119.200	116.800	0.000	20490.000	26000.000	26120.000
x		95.546%	-0.031	125.600	122.600	0.000	20770.000	26150.000	26200.000
σ		1.394%	0.000	5.900	5.190	0.000	260.400	148.600	73.830
%RSD		1.459	0.000	4.698	4.232	0.000	1.254	0.568	0.282

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	-0.403	10250.000	0.000	5198.000	66670.000	66630.000	71.323%	4.059
2	19:55:54	-1.082	10290.000	0.000	5191.000	66500.000	66040.000	72.650%	3.126
3	19:56:36	-1.126	10230.000	0.000	5187.000	66720.000	65540.000	73.362%	3.307
x		-0.870	10260.000	0.000	5192.000	66630.000	66070.000	72.445%	3.497
σ		0.405	30.460	0.000	5.928	114.300	544.100	1.035%	0.495
%RSD		46.530	0.297	0.000	0.114	0.172	0.824	1.428	14.140

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	-2.345	0.780	334.800	70240.000	72450.000	0.323	1.465	2.749
2	19:55:54	-2.454	0.593	335.200	69580.000	72850.000	0.276	1.452	2.476
3	19:56:36	-3.017	0.570	335.100	69130.000	72740.000	0.229	1.685	2.234
x		-2.605	0.648	335.000	69650.000	72680.000	0.276	1.534	2.486
σ		0.361	0.115	0.157	559.900	204.800	0.047	0.131	0.258
%RSD		13.840	17.810	0.047	0.804	0.282	17.050	8.537	10.370

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	2.373	7.690	8.229	9.240	0.337	-0.198	0.000	382.400
2	19:55:54	2.184	6.916	7.210	9.294	-0.007	-1.191	0.000	383.600
3	19:56:36	2.532	7.257	7.555	11.160	-1.362	-1.814	0.000	385.800
x		2.363	7.288	7.665	9.898	-0.344	-1.068	0.000	383.900
σ		0.175	0.388	0.518	1.092	0.898	0.815	0.000	1.741
%RSD		7.386	5.327	6.758	11.030	261.100	76.310	0.000	0.454

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	72.986%	5.114	5.406	71.932%	0.009	0.021	-0.044	-0.193
2	19:55:54	74.298%	2.779	2.529	73.218%	0.014	-0.002	-0.070	-0.187
3	19:56:36	75.048%	2.239	1.919	74.353%	0.019	-0.002	0.021	-0.063
x		74.111%	3.377	3.284	73.168%	0.014	0.006	-0.031	-0.148
σ		1.043%	1.528	1.862	1.211%	0.005	0.013	0.047	0.074
%RSD		1.408	45.250	56.700	1.656	33.980	217.700	149.300	49.760

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	76.486%	16.160	0.508	0.578	115.800	115.200	84.497%	85.930%
2	19:55:54	79.277%	12.350	0.364	0.381	114.600	114.100	86.534%	88.098%
3	19:56:36	80.119%	11.860	0.427	0.390	114.600	113.400	88.432%	89.535%
x		78.628%	13.460	0.433	0.450	115.000	114.200	86.488%	87.854%
σ		1.902%	2.351	0.073	0.111	0.698	0.912	1.968%	1.815%
%RSD		2.418	17.470	16.770	24.750	0.607	0.799	2.276	2.066

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	0.984	1.004	0.581	0.554	0.564	85.406%
2	19:55:54	0.719	0.701	0.526	0.523	0.503	88.337%
3	19:56:36	0.588	0.575	0.595	0.512	0.539	88.263%
x		0.764	0.760	0.567	0.530	0.535	87.335%
σ		0.201	0.221	0.036	0.022	0.031	1.672%
%RSD		26.360	29.030	6.399	4.141	5.790	1.914

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	93.238%	-0.031	42.930	40.860	0.000	46940.000	39960.000	40240.000
2	20:00:09	95.580%	-0.031	40.150	39.320	0.000	46710.000	40100.000	40600.000
3	20:00:51	96.805%	-0.031	38.020	37.000	0.000	46630.000	40220.000	40520.000
x		95.208%	-0.031	40.360	39.060	0.000	46760.000	40090.000	40460.000
σ		1.812%	0.000	2.460	1.943	0.000	159.700	132.600	190.800
%RSD		1.904	0.000	6.095	4.976	0.000	0.342	0.331	0.472
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	-3.167	8388.000	0.000	1275.000	40140.000	40430.000	70.982%	1.885
2	20:00:09	-3.366	8384.000	0.000	1286.000	41450.000	40640.000	71.722%	2.009
3	20:00:51	-3.452	8362.000	0.000	1286.000	40670.000	41050.000	72.073%	1.638
x		-3.328	8378.000	0.000	1282.000	40750.000	40710.000	71.592%	1.844
σ		0.146	14.390	0.000	6.502	658.300	316.400	0.557%	0.189
%RSD		4.393	0.172	0.000	0.507	1.615	0.777	0.778	10.240
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	-5.156	0.463	490.900	25550.000	26080.000	3.302	0.899	1.974
2	20:00:09	-4.470	0.428	497.200	25350.000	26450.000	3.122	0.540	1.902
3	20:00:51	-2.708	0.429	501.200	25360.000	26400.000	3.364	0.681	1.922
x		-4.111	0.440	496.400	25420.000	26310.000	3.263	0.707	1.933
σ		1.262	0.020	5.210	110.300	199.000	0.126	0.181	0.037
%RSD		30.710	4.509	1.049	0.434	0.756	3.860	25.560	1.909
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	1.415	2.205	2.459	27.780	-0.213	-0.242	0.000	295.200
2	20:00:09	2.155	1.754	2.325	28.740	-1.722	-1.222	0.000	298.300
3	20:00:51	1.259	1.155	2.338	27.000	-1.368	0.089	0.000	297.200
x		1.610	1.705	2.374	27.840	-1.101	-0.458	0.000	296.900
σ		0.479	0.527	0.074	0.869	0.789	0.681	0.000	1.527
%RSD		29.740	30.910	3.119	3.122	71.680	148.600	0.000	0.514
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	73.357%	15.860	17.510	72.207%	0.004	-0.001	-0.185	-0.226
2	20:00:09	74.228%	16.850	16.920	73.973%	-0.006	0.009	0.032	-0.048
3	20:00:51	75.744%	16.870	17.080	74.340%	0.004	-0.002	-0.101	-0.140
x		74.443%	16.530	17.170	73.507%	0.000	0.002	-0.085	-0.138
σ		1.207%	0.576	0.303	1.140%	0.006	0.006	0.109	0.089
%RSD		1.622	3.488	1.767	1.551	1605.000	293.800	128.700	64.380
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	77.052%	8.171	0.119	0.023	93.870	92.030	84.590%	85.913%
2	20:00:09	78.752%	8.248	0.116	0.036	97.650	95.530	86.824%	87.570%
3	20:00:51	80.287%	7.218	0.103	0.128	93.990	97.180	88.049%	89.863%
x		78.697%	7.879	0.112	0.062	95.170	94.910	86.488%	87.782%
σ		1.618%	0.574	0.009	0.057	2.145	2.632	1.754%	1.984%
%RSD		2.056	7.281	7.604	92.140	2.254	2.773	2.028	2.260
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:59:27	0.351	0.343	0.066	0.058	0.066	82.709%		
2	20:00:09	0.292	0.274	0.009	0.055	0.042	86.502%		
3	20:00:51	0.262	0.229	0.032	0.049	0.053	88.771%		
x		0.302	0.282	0.035	0.054	0.054	85.994%		
σ		0.045	0.058	0.029	0.005	0.012	3.063%		
%RSD		14.960	20.390	80.430	8.900	22.420	3.562		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	99.376%	-0.031	64.460	66.540	0.000	47810.000	51960.000	57790.000
2	20:04:24	99.705%	-0.031	69.480	67.260	0.000	48020.000	52730.000	57870.000
3	20:05:05	98.928%	-0.031	68.780	67.560	0.000	48300.000	53160.000	58180.000
x		99.336%	-0.031	67.570	67.120	0.000	48040.000	52620.000	57950.000
σ		0.390%	0.000	2.719	0.522	0.000	250.000	610.000	207.400
%RSD		0.393	0.000	4.024	0.777	0.000	0.520	1.159	0.358

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	39.530	9859.000	0.000	3340.000	65060.000	65010.000	75.417%	4.318
2	20:04:24	39.190	10070.000	0.000	3369.000	65720.000	65290.000	76.653%	3.635
3	20:05:05	38.540	10100.000	0.000	3401.000	65460.000	65650.000	76.920%	3.892
x		39.090	10010.000	0.000	3370.000	65410.000	65310.000	76.330%	3.948
σ		0.502	130.400	0.000	30.290	333.900	322.000	0.802%	0.345
%RSD		1.285	1.303	0.000	0.899	0.510	0.493	1.050	8.736

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	-4.337	0.870	2628.000	16140.000	16540.000	47.470	19.540	2.406
2	20:04:24	-2.800	0.990	2667.000	16030.000	16750.000	48.050	20.670	2.506
3	20:05:05	-3.743	0.931	2661.000	15950.000	16690.000	47.920	22.980	2.803
x		-3.627	0.930	2652.000	16040.000	16660.000	47.810	21.060	2.572
σ		0.775	0.060	21.100	93.930	104.900	0.307	1.754	0.206
%RSD		21.370	6.462	0.796	0.586	0.630	0.643	8.329	8.013

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	2.561	7.088	8.510	1.155	-0.897	-2.195	0.000	544.000
2	20:04:24	2.764	8.176	8.132	0.088	-1.110	-1.045	0.000	543.200
3	20:05:05	2.314	7.742	8.274	3.545	-0.735	-0.260	0.000	545.800
x		2.546	7.669	8.306	1.596	-0.914	-1.167	0.000	544.300
σ		0.225	0.547	0.191	1.770	0.188	0.973	0.000	1.322
%RSD		8.847	7.137	2.300	110.900	20.550	83.420	0.000	0.243

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	76.244%	1.129	1.215	74.957%	0.024	0.014	0.066	-0.051
2	20:04:24	78.666%	1.153	1.160	77.345%	0.003	-0.002	0.003	-0.180
3	20:05:05	78.620%	1.066	1.119	77.978%	-0.002	0.003	-0.049	-0.133
x		77.843%	1.116	1.165	76.760%	0.008	0.005	0.007	-0.122
σ		1.385%	0.045	0.048	1.593%	0.013	0.008	0.058	0.065
%RSD		1.779	4.019	4.143	2.076	159.400	155.100	870.200	53.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	80.007%	6.906	0.150	0.109	86.540	83.800	86.715%	89.410%
2	20:04:24	83.086%	7.386	0.078	0.148	85.600	86.480	91.386%	91.836%
3	20:05:05	83.030%	7.129	0.129	0.090	85.520	83.980	91.345%	92.321%
x		82.041%	7.140	0.119	0.116	85.890	84.750	89.815%	91.189%
σ		1.762%	0.240	0.037	0.030	0.564	1.498	2.685%	1.560%
%RSD		2.147	3.363	31.100	25.660	0.656	1.768	2.990	1.710

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	0.209	0.200	0.458	0.449	0.492	85.981%
2	20:04:24	0.209	0.214	0.559	0.458	0.519	89.509%
3	20:05:05	0.186	0.179	0.539	0.461	0.513	91.123%
x		0.202	0.198	0.519	0.456	0.508	88.871%
σ		0.013	0.018	0.053	0.006	0.015	2.630%
%RSD		6.603	8.909	10.250	1.333	2.856	2.959

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	94.165%	0.036	32.380	31.380	0.000	11540.000	3920.000	3939.000
2	20:08:39	95.293%	-0.031	30.600	32.180	0.000	11410.000	3914.000	3931.000
3	20:09:21	95.348%	0.002	33.550	31.770	0.000	11410.000	3885.000	3916.000
x		94.935%	0.002	32.180	31.780	0.000	11450.000	3906.000	3929.000
σ		0.668%	0.033	1.487	0.400	0.000	75.490	18.740	11.860
%RSD		0.704	1439.000	4.621	1.259	0.000	0.659	0.480	0.302
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	76.120	4673.000	0.000	5112.000	27960.000	28350.000	71.419%	4.708
2	20:08:39	72.620	4660.000	0.000	5167.000	28640.000	28320.000	71.600%	5.343
3	20:09:21	73.110	4633.000	0.000	5154.000	29160.000	28280.000	71.825%	5.399
x		73.950	4656.000	0.000	5144.000	28590.000	28320.000	71.615%	5.150
σ		1.895	20.460	0.000	28.860	601.000	37.980	0.203%	0.384
%RSD		2.562	0.440	0.000	0.561	2.102	0.134	0.284	7.456
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	-3.286	1.395	237.500	13600.000	13620.000	0.195	5.267	6.403
2	20:08:39	-3.443	1.414	235.500	13410.000	13540.000	0.229	4.738	6.378
3	20:09:21	-1.246	1.306	236.900	13360.000	13660.000	0.210	4.461	6.489
x		-2.658	1.372	236.600	13460.000	13610.000	0.211	4.822	6.423
σ		1.225	0.058	1.009	123.600	59.270	0.017	0.410	0.058
%RSD		46.090	4.217	0.426	0.919	0.436	8.084	8.501	0.909
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	6.159	58.610	61.340	-0.596	-0.336	-0.385	0.000	271.600
2	20:08:39	6.300	57.280	60.500	0.873	-1.330	0.276	0.000	269.700
3	20:09:21	6.451	60.210	62.610	0.451	-1.069	-0.954	0.000	270.900
x		6.303	58.700	61.480	0.243	-0.912	-0.354	0.000	270.700
σ		0.146	1.467	1.063	0.757	0.515	0.616	0.000	0.979
%RSD		2.319	2.499	1.729	311.900	56.530	173.800	0.000	0.361
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	72.904%	0.462	0.249	72.955%	0.004	-0.007	0.239	0.251
2	20:08:39	74.545%	0.331	0.283	74.261%	-0.001	-0.007	0.266	0.229
3	20:09:21	74.604%	0.244	0.246	74.393%	0.014	-0.007	0.008	0.062
x		74.018%	0.346	0.259	73.870%	0.005	-0.007	0.171	0.180
σ		0.965%	0.110	0.020	0.795%	0.008	0.000	0.142	0.103
%RSD		1.304	31.770	7.781	1.076	142.300	0.000	82.740	57.330
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	77.500%	5.853	0.324	0.287	43.820	41.820	83.815%	85.114%
2	20:08:39	78.974%	5.497	0.302	0.254	43.710	43.430	84.995%	86.263%
3	20:09:21	78.946%	6.070	0.306	0.355	44.900	42.740	87.098%	87.557%
x		78.473%	5.806	0.311	0.299	44.140	42.670	85.303%	86.311%
σ		0.843%	0.289	0.012	0.051	0.654	0.806	1.663%	1.222%
%RSD		1.074	4.984	3.785	17.230	1.481	1.890	1.950	1.416
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:07:57	0.152	0.115	0.961	0.834	0.935	84.601%		
2	20:08:39	0.122	0.104	0.939	0.971	0.975	86.888%		
3	20:09:21	0.103	0.112	1.036	0.846	0.943	88.173%		
x		0.126	0.111	0.979	0.884	0.951	86.554%		
σ		0.025	0.006	0.051	0.076	0.021	1.809%		
%RSD		19.760	5.431	5.183	8.581	2.243	2.090		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	96.920%	-0.031	3.892	4.174	0.000	-62.800	5.477	5.681
2	20:12:54	101.089%	0.000	5.630	3.636	0.000	-69.940	1.468	1.033
3	20:13:36	100.978%	-0.031	3.711	3.924	0.000	-55.550	8.097	8.153
x		99.662%	-0.020	4.411	3.911	0.000	-62.760	5.014	4.956
σ		2.375%	0.018	1.059	0.270	0.000	7.195	3.339	3.615
%RSD		2.384	87.700	24.010	6.892	0.000	11.460	66.590	72.950

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	-2.727	18.280	0.000	2.239	21.110	21.120	73.868%	0.967
2	20:12:54	-3.296	16.460	0.000	0.442	26.890	10.770	74.340%	0.680
3	20:13:36	-2.921	17.810	0.000	3.747	32.560	30.670	74.989%	0.466
x		-2.981	17.510	0.000	2.143	26.850	20.860	74.399%	0.704
σ		0.289	0.943	0.000	1.654	5.729	9.955	0.563%	0.251
%RSD		9.688	5.386	0.000	77.200	21.330	47.730	0.757	35.630

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	-4.402	0.814	0.305	16.020	26.520	0.003	0.064	1.492
2	20:12:54	-5.946	0.818	0.178	8.577	14.840	-0.007	0.063	1.564
3	20:13:36	-7.046	0.761	0.438	10.650	18.220	-0.024	0.154	1.430
x		-5.798	0.798	0.307	11.750	19.860	-0.009	0.094	1.495
σ		1.328	0.032	0.130	3.841	6.008	0.014	0.052	0.067
%RSD		22.910	3.971	42.290	32.690	30.260	144.600	55.300	4.480

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	0.849	0.572	0.390	-0.654	-1.107	-2.598	0.000	0.173
2	20:12:54	1.712	0.332	0.638	-0.932	-1.270	-1.405	0.000	0.110
3	20:13:36	1.541	0.734	0.486	0.323	-2.314	0.422	0.000	0.289
x		1.367	0.546	0.505	-0.421	-1.564	-1.194	0.000	0.191
σ		0.457	0.202	0.125	0.659	0.655	1.521	0.000	0.091
%RSD		33.420	36.990	24.750	156.700	41.870	127.400	0.000	47.530

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	75.147%	0.009	0.046	76.073%	0.008	0.009	0.058	-0.027
2	20:12:54	76.118%	-0.065	-0.053	77.198%	0.028	-0.007	-0.087	-0.079
3	20:13:36	76.320%	-0.011	0.108	77.594%	0.008	0.014	-0.174	-0.164
x		75.862%	-0.022	0.034	76.955%	0.015	0.005	-0.067	-0.090
σ		0.627%	0.039	0.081	0.789%	0.011	0.011	0.117	0.069
%RSD		0.826	173.200	238.300	1.025	75.920	204.300	174.100	77.130

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	79.958%	4.923	0.077	0.021	-0.010	0.171	85.565%	85.909%
2	20:12:54	81.104%	5.189	0.029	0.027	0.042	-0.018	85.526%	87.849%
3	20:13:36	80.556%	5.417	0.030	0.034	0.041	0.075	87.309%	87.254%
x		80.539%	5.176	0.045	0.028	0.025	0.076	86.133%	87.004%
σ		0.573%	0.247	0.028	0.006	0.030	0.095	1.018%	0.994%
%RSD		0.711	4.774	60.880	23.290	122.000	125.000	1.182	1.142

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	0.117	0.073	0.016	0.031	0.019	86.554%
2	20:12:54	0.080	0.086	0.001	0.014	0.010	88.514%
3	20:13:36	0.086	0.080	0.005	-0.006	0.008	88.360%
x		0.094	0.079	0.007	0.013	0.012	87.809%
σ		0.020	0.006	0.008	0.018	0.006	1.090%
%RSD		21.080	8.152	105.700	139.700	47.330	1.241

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	95.964%	-0.031	3.951	3.394	0.000	55.730	1.412	1.614
2	20:17:10	97.624%	-0.031	2.591	3.975	0.000	61.370	3.144	3.443
3	20:17:51	99.953%	-0.031	4.907	3.168	0.000	61.730	3.416	4.946
x		97.847%	-0.031	3.816	3.512	0.000	59.610	2.658	3.334
σ		2.004%	0.000	1.164	0.416	0.000	3.367	1.087	1.669
%RSD		2.048	0.000	30.500	11.850	0.000	5.648	40.900	50.050

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	-3.624	100.400	0.000	1.303	34.020	49.920	72.067%	0.489
2	20:17:10	-3.689	100.200	0.000	1.199	21.550	58.480	72.466%	0.414
3	20:17:51	-3.813	100.600	0.000	3.314	51.400	43.970	73.474%	0.549
x		-3.709	100.400	0.000	1.939	35.660	50.790	72.669%	0.484
σ		0.096	0.222	0.000	1.192	15.000	7.294	0.725%	0.068
%RSD		2.589	0.221	0.000	61.490	42.060	14.360	0.997	13.960

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	-5.809	0.839	0.144	6.019	10.710	-0.024	0.068	1.307
2	20:17:10	-5.848	0.865	0.209	6.278	11.900	-0.010	0.232	1.650
3	20:17:51	-5.535	1.014	0.176	6.036	9.756	-0.019	0.182	1.656
x		-5.731	0.906	0.176	6.111	10.790	-0.018	0.160	1.538
σ		0.171	0.094	0.032	0.145	1.072	0.007	0.084	0.200
%RSD		2.981	10.410	18.270	2.379	9.937	38.340	52.320	12.980

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	1.700	0.846	1.105	-2.269	-1.268	-1.812	0.000	0.111
2	20:17:10	1.624	0.905	0.930	1.507	-1.858	-1.609	0.000	0.139
3	20:17:51	1.586	0.817	0.734	0.498	-1.999	-1.377	0.000	0.230
x		1.637	0.856	0.923	-0.088	-1.708	-1.599	0.000	0.160
σ		0.058	0.045	0.186	1.955	0.388	0.218	0.000	0.062
%RSD		3.547	5.240	20.090	2221.000	22.700	13.620	0.000	38.930

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	72.205%	-0.126	-0.075	73.207%	0.004	-0.007	0.014	-0.041
2	20:17:10	74.096%	-0.101	-0.071	74.632%	0.014	0.009	-0.137	-0.153
3	20:17:51	74.087%	-0.231	-0.045	75.001%	-0.001	-0.007	-0.028	-0.146
x		73.463%	-0.153	-0.064	74.280%	0.005	-0.002	-0.051	-0.113
σ		1.089%	0.069	0.016	0.947%	0.008	0.009	0.078	0.063
%RSD		1.482	45.300	25.210	1.275	142.200	622.600	153.900	55.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	75.635%	4.470	0.033	0.017	0.167	0.052	80.378%	81.883%
2	20:17:10	77.980%	4.632	0.048	0.030	-0.034	0.097	82.657%	83.850%
3	20:17:51	78.625%	4.458	0.052	0.064	0.047	0.031	83.054%	84.676%
x		77.413%	4.520	0.044	0.037	0.060	0.060	82.030%	83.470%
σ		1.573%	0.097	0.010	0.024	0.101	0.034	1.444%	1.435%
%RSD		2.032	2.150	22.710	64.990	169.100	55.920	1.761	1.719

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	0.095	0.090	-0.000	0.035	0.019	81.052%
2	20:17:10	0.047	0.045	0.017	0.004	0.017	84.172%
3	20:17:51	0.061	0.076	0.013	0.008	0.015	84.301%
x		0.068	0.070	0.010	0.015	0.017	83.175%
σ		0.025	0.023	0.009	0.017	0.002	1.840%
%RSD		36.930	32.720	89.010	110.200	12.810	2.212

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	92.910%	0.003	16.700	12.890	0.000	2492.000	880.500	864.500
2	20:21:26	95.637%	0.035	13.500	14.330	0.000	2520.000	868.600	870.900
3	20:22:08	96.826%	0.002	15.590	13.220	0.000	2510.000	870.000	878.700
x		95.124%	0.013	15.270	13.480	0.000	2507.000	873.000	871.300
σ		2.008%	0.019	1.623	0.757	0.000	14.000	6.505	7.112
%RSD		2.111	143.400	10.630	5.613	0.000	0.559	0.745	0.816

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	343.100	2551.000	0.000	2843.000	12160.000	11580.000	70.391%	9.348
2	20:21:26	342.100	2550.000	0.000	2879.000	11600.000	11690.000	70.940%	8.175
3	20:22:08	349.100	2579.000	0.000	2925.000	11820.000	11910.000	70.920%	9.851
x		344.800	2560.000	0.000	2882.000	11860.000	11720.000	70.751%	9.124
σ		3.817	16.330	0.000	41.110	282.600	166.700	0.311%	0.860
%RSD		1.107	0.638	0.000	1.426	2.383	1.422	0.440	9.427

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	-1.732	2.101	116.800	6208.000	6181.000	0.198	0.565	2.853
2	20:21:26	-2.801	2.158	117.400	5146.000	6159.000	0.164	0.851	3.352
3	20:22:08	-2.318	2.007	118.700	5239.000	6318.000	0.176	0.915	3.625
x		-2.284	2.089	117.600	5531.000	6219.000	0.179	0.777	3.277
σ		0.535	0.076	0.963	588.000	86.510	0.017	0.186	0.392
%RSD		23.440	3.661	0.819	10.630	1.391	9.705	23.980	11.950

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	2.874	8.675	10.980	-0.333	-1.651	-0.132	0.000	90.930
2	20:21:26	3.510	9.314	11.100	1.286	-1.145	-1.105	0.000	91.220
3	20:22:08	2.954	10.130	11.020	1.375	-1.187	-1.096	0.000	91.440
x		3.113	9.372	11.030	0.776	-1.328	-0.778	0.000	91.200
σ		0.346	0.729	0.058	0.961	0.281	0.560	0.000	0.258
%RSD		11.130	7.777	0.526	123.900	21.150	71.950	0.000	0.283

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	71.820%	-0.079	-0.018	72.359%	-0.001	0.004	-0.129	-0.029
2	20:21:26	73.020%	0.093	0.148	73.320%	0.004	0.010	-0.139	-0.089
3	20:22:08	74.413%	0.115	-0.000	74.396%	-0.001	-0.002	-0.034	-0.085
x		73.084%	0.043	0.043	73.358%	0.000	0.004	-0.100	-0.068
σ		1.298%	0.107	0.091	1.019%	0.003	0.006	0.057	0.033
%RSD		1.776	248.100	211.800	1.389	768.100	136.600	57.230	49.120

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	76.090%	3.970	0.088	0.116	10.840	11.690	82.411%	82.969%
2	20:21:26	77.641%	4.360	0.123	0.092	10.740	10.890	84.872%	85.657%
3	20:22:08	79.869%	4.277	0.135	0.069	12.100	11.090	85.754%	86.816%
x		77.867%	4.203	0.115	0.092	11.230	11.220	84.345%	85.148%
σ		1.900%	0.206	0.025	0.024	0.759	0.417	1.732%	1.974%
%RSD		2.439	4.895	21.400	25.680	6.761	3.714	2.054	2.318

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	0.054	0.067	1.583	1.566	1.570	82.614%
2	20:21:26	0.059	0.067	1.625	1.586	1.636	86.127%
3	20:22:08	0.064	0.057	1.586	1.516	1.563	87.853%
x		0.059	0.064	1.598	1.556	1.590	85.531%
σ		0.005	0.006	0.023	0.036	0.040	2.670%
%RSD		8.424	8.759	1.454	2.337	2.546	3.121

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	91.016%	-0.031	52.920	51.630	0.000	67420.000	5304.000	5271.000
2	20:25:43	94.711%	0.002	53.220	51.320	0.000	66200.000	5277.000	5284.000
3	20:26:24	93.892%	0.036	55.390	50.700	0.000	66780.000	5323.000	5318.000
x		93.206%	0.002	53.840	51.220	0.000	66800.000	5301.000	5291.000
σ		1.941%	0.033	1.349	0.471	0.000	609.900	22.950	24.580
%RSD		2.082	1345.000	2.505	0.920	0.000	0.913	0.433	0.465

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	295.700	4995.000	0.000	4612.000	34130.000	34140.000	69.918%	12.820
2	20:25:43	298.200	4987.000	0.000	4676.000	33990.000	34480.000	70.195%	10.920
3	20:26:24	295.700	5008.000	0.000	4661.000	33930.000	34430.000	70.757%	10.610
x		296.600	4997.000	0.000	4650.000	34020.000	34350.000	70.290%	11.450
σ		1.454	11.020	0.000	33.230	100.600	182.100	0.428%	1.199
%RSD		0.490	0.221	0.000	0.715	0.296	0.530	0.608	10.470

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	-1.319	4.843	206.400	13210.000	13040.000	0.227	1.100	7.239
2	20:25:43	-2.063	5.082	208.900	13260.000	13320.000	0.262	1.403	6.727
3	20:26:24	-1.084	4.710	209.000	13120.000	13320.000	0.278	1.391	6.968
x		-1.488	4.878	208.100	13190.000	13230.000	0.256	1.298	6.978
σ		0.511	0.188	1.468	69.890	163.900	0.026	0.172	0.256
%RSD		34.340	3.858	0.705	0.530	1.239	10.120	13.240	3.673

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	7.610	34.230	34.740	2.090	-0.676	-1.011	0.000	183.900
2	20:25:43	6.579	34.800	36.740	0.413	-0.595	-1.934	0.000	185.500
3	20:26:24	6.820	35.950	36.420	0.041	-1.290	-2.713	0.000	186.100
x		7.003	34.990	35.970	0.848	-0.854	-1.886	0.000	185.200
σ		0.539	0.875	1.076	1.092	0.380	0.852	0.000	1.155
%RSD		7.696	2.499	2.993	128.800	44.530	45.160	0.000	0.623

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	71.572%	0.258	0.538	69.866%	0.010	0.022	0.150	0.079
2	20:25:43	73.016%	0.526	0.717	71.929%	0.025	0.027	0.208	0.303
3	20:26:24	73.423%	0.419	0.622	72.213%	0.004	0.021	-0.053	-0.029
x		72.670%	0.401	0.626	71.336%	0.013	0.023	0.102	0.118
σ		0.972%	0.135	0.089	1.281%	0.011	0.003	0.137	0.169
%RSD		1.338	33.600	14.270	1.796	84.210	13.210	135.000	143.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	74.167%	4.579	0.159	0.214	14.810	14.890	80.216%	81.243%
2	20:25:43	76.503%	4.975	0.158	0.220	14.950	14.720	84.004%	84.395%
3	20:26:24	76.829%	4.768	0.212	0.206	15.340	14.690	83.840%	85.705%
x		75.833%	4.774	0.176	0.213	15.040	14.770	82.687%	83.781%
σ		1.452%	0.198	0.031	0.007	0.276	0.110	2.141%	2.294%
%RSD		1.914	4.154	17.610	3.496	1.838	0.746	2.589	2.738

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	0.069	0.077	1.671	1.698	1.650	80.051%
2	20:25:43	0.059	0.061	1.728	1.699	1.775	82.828%
3	20:26:24	0.075	0.050	1.796	1.602	1.728	84.820%
x		0.068	0.063	1.732	1.666	1.717	82.566%
σ		0.008	0.014	0.062	0.056	0.063	2.395%
%RSD		11.730	21.640	3.592	3.352	3.683	2.901

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	77.951%	107.000	100.000	103.100	0.000	50860.000	44490.000	44750.000
2	20:32:53	79.404%	109.200	105.400	102.400	0.000	50470.000	44870.000	45060.000
3	20:33:35	78.849%	108.900	109.900	104.700	0.000	50820.000	45220.000	45630.000
x		78.735%	108.387%	105.103%	103.383%	0.000	101.433%	89.716%	90.289%
σ		0.733%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.931	1.105	4.729	1.166	0.000	0.421	0.822	0.987
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	496.600	5241.000	0.000	52180.000	51170.000	51010.000	72.918%	108.000
2	20:32:53	500.100	5264.000	0.000	51670.000	52250.000	51690.000	74.460%	105.100
3	20:33:35	506.000	5308.000	0.000	51550.000	51950.000	52020.000	75.622%	104.500
x		100.179%	105.416%	0.000	103.596%	103.583%	103.149%	74.333%	105.855%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.356%	n/a
%RSD		0.954	0.648	0.000	0.644	1.077	0.996	1.824	1.789
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	102.900	103.400	510.200	26080.000	25490.000	104.400	102.900	106.100
2	20:32:53	105.300	103.800	515.200	25690.000	25930.000	105.200	107.600	106.100
3	20:33:35	103.700	105.000	512.900	25630.000	25900.000	106.500	108.300	106.600
x		103.972%	104.076%	102.553%	103.193%	103.099%	105.364%	106.286%	106.250%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.173	0.768	0.493	0.947	0.944	1.020	2.778	0.252
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	104.800	100.900	106.600	100.800	94.800	97.780	0.000	92.400
2	20:32:53	106.100	102.600	102.400	101.300	100.300	99.630	0.000	91.840
3	20:33:35	103.000	103.000	102.900	100.700	98.340	98.080	0.000	92.480
x		104.626%	102.160%	103.946%	100.936%	97.807%	98.495%	0.000	92.240%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.471	1.109	2.201	0.326	2.838	1.010	0.000	0.377
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	83.034%	95.840	96.090	79.830%	96.910	96.700	96.460	96.670
2	20:32:53	86.284%	97.710	97.820	82.495%	98.510	97.520	97.280	97.950
3	20:33:35	87.890%	98.530	98.920	83.471%	97.870	98.220	98.600	98.190
x		85.736%	97.358%	97.613%	81.932%	97.764%	97.481%	97.449%	97.602%
σ		2.474%	n/a	n/a	1.884%	n/a	n/a	n/a	n/a
%RSD		2.886	1.413	1.461	2.300	0.828	0.781	1.106	0.837
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	81.490%	97.670	97.470	97.100	97.780	95.780	86.983%	87.515%
2	20:32:53	84.599%	100.400	97.880	97.780	93.110	96.040	90.139%	90.728%
3	20:33:35	85.925%	97.840	97.540	98.780	97.340	96.050	91.795%	91.735%
x		84.004%	98.636%	97.631%	97.887%	96.077%	95.956%	89.639%	89.993%
σ		2.277%	n/a	n/a	n/a	n/a	n/a	2.444%	2.204%
%RSD		2.710	1.547	0.225	0.862	2.681	0.163	2.727	2.449
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:32:11	100.900	100.600	101.800	103.000	101.900	82.340%		
2	20:32:53	101.900	101.300	102.300	102.400	102.600	85.883%		
3	20:33:35	101.400	100.800	101.400	101.600	101.100	87.821%		
x		101.403%	100.921%	101.829%	102.330%	101.904%	85.348%		
σ		n/a	n/a	n/a	n/a	n/a	2.779%		
%RSD		0.463	0.371	0.422	0.693	0.723	3.256		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	90.034%	0.003	1.801	2.196	0.000	-48.330	12.240	13.060
2	20:40:06	91.374%	0.036	1.518	1.580	0.000	-45.860	15.250	16.650
3	20:40:48	93.560%	0.035	2.293	1.807	0.000	-55.260	13.040	12.850
x		91.656%	0.025	1.871	1.861	0.000	-49.820	13.510	14.190
σ		1.780%	0.019	0.392	0.311	0.000	4.875	1.559	2.135
%RSD		1.942	75.200	20.960	16.740	0.000	9.787	11.540	15.050

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	-2.528	4.531	0.000	6.005	60.440	41.610	84.905%	0.035
2	20:40:06	-2.259	4.982	0.000	6.416	64.940	43.220	85.876%	0.215
3	20:40:48	-2.718	4.419	0.000	0.438	38.490	38.420	86.511%	0.093
x		-2.502	4.644	0.000	4.287	54.620	41.080	85.764%	0.114
σ		0.230	0.298	0.000	3.339	14.160	2.439	0.809%	0.092
%RSD		9.210	6.415	0.000	77.890	25.910	5.937	0.943	80.490

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	-0.022	0.075	0.270	19.360	28.340	0.055	0.230	0.485
2	20:40:06	0.155	-0.031	0.267	16.730	27.520	0.017	0.108	0.537
3	20:40:48	0.017	0.045	0.200	12.290	19.230	0.001	0.048	0.598
x		0.050	0.030	0.246	16.130	25.030	0.024	0.129	0.540
σ		0.093	0.054	0.040	3.573	5.044	0.028	0.093	0.056
%RSD		185.300	184.100	16.160	22.160	20.150	114.200	72.300	10.450

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	0.479	0.524	0.568	0.127	-0.591	0.513	0.000	0.349
2	20:40:06	0.213	0.206	0.562	0.175	-0.151	0.035	0.000	0.418
3	20:40:48	0.528	0.378	0.491	-0.141	0.160	-0.705	0.000	0.280
x		0.407	0.369	0.540	0.054	-0.194	-0.052	0.000	0.349
σ		0.169	0.159	0.043	0.170	0.377	0.614	0.000	0.069
%RSD		41.660	43.200	7.888	317.200	194.800	1174.000	0.000	19.750

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	86.487%	0.201	0.303	87.473%	0.024	0.031	-0.049	-0.064
2	20:40:06	86.608%	0.149	0.245	88.618%	0.037	0.040	0.028	-0.024
3	20:40:48	87.180%	0.097	0.145	89.257%	0.041	0.054	-0.082	-0.049
x		86.758%	0.149	0.231	88.449%	0.034	0.042	-0.034	-0.045
σ		0.370%	0.052	0.080	0.904%	0.009	0.011	0.057	0.020
%RSD		0.426	35.050	34.610	1.022	25.500	27.280	166.600	44.670

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	87.270%	0.686	0.031	0.017	0.083	0.111	89.934%	89.871%
2	20:40:06	87.899%	1.276	0.064	0.048	-0.018	0.124	91.263%	90.824%
3	20:40:48	89.011%	1.338	0.049	0.029	0.031	0.123	90.517%	91.744%
x		88.060%	1.100	0.048	0.031	0.032	0.119	90.571%	90.813%
σ		0.882%	0.360	0.017	0.015	0.050	0.007	0.666%	0.936%
%RSD		1.001	32.720	34.780	49.530	160.000	6.007	0.736	1.031

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	0.124	0.100	0.027	0.047	0.048	91.126%
2	20:40:06	0.078	0.071	0.026	0.046	0.040	92.587%
3	20:40:48	0.094	0.090	0.023	0.060	0.046	93.328%
x		0.099	0.087	0.025	0.051	0.045	92.347%
σ		0.023	0.015	0.002	0.008	0.004	1.121%
%RSD		23.480	17.030	9.473	15.550	9.022	1.214

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	92.838%	0.003	99.880	93.390	0.000	269200.000	8374.000	8366.000
2	20:44:24	95.625%	0.002	97.310	93.370	0.000	264100.000	8322.000	8346.000
3	20:45:06	96.272%	0.002	95.510	94.590	0.000	263100.000	8385.000	8379.000
x		94.912%	0.002	97.570	93.780	0.000	265400.000	8360.000	8364.000
σ		1.825%	0.001	2.196	0.698	0.000	3250.000	33.700	16.770
%RSD		1.922	28.060	2.251	0.744	0.000	1.224	0.403	0.201
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	17.750	8776.000	0.000	14870.000	49750.000	50210.000	72.544%	6.069
2	20:44:24	17.910	8712.000	0.000	14700.000	50170.000	50420.000	73.290%	6.639
3	20:45:06	17.420	8766.000	0.000	14720.000	51180.000	51160.000	73.507%	7.886
x		17.700	8752.000	0.000	14770.000	50370.000	50600.000	73.114%	6.865
σ		0.252	34.600	0.000	93.710	736.300	495.300	0.505%	0.929
%RSD		1.421	0.395	0.000	0.635	1.462	0.979	0.691	13.540
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	-0.970	1.208	803.400	48260.000	47940.000	0.346	1.930	2.414
2	20:44:24	-0.983	1.459	807.500	47460.000	48490.000	0.269	2.193	2.060
3	20:45:06	-0.817	1.458	816.700	47550.000	49040.000	0.302	1.843	2.458
x		-0.923	1.375	809.200	47760.000	48490.000	0.306	1.989	2.311
σ		0.093	0.145	6.791	438.200	549.700	0.039	0.182	0.218
%RSD		10.030	10.540	0.839	0.918	1.134	12.620	9.166	9.433
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	1.641	5.946	5.817	13.100	-0.744	0.284	0.000	520.600
2	20:44:24	1.957	5.749	6.292	15.250	-0.822	-0.040	0.000	522.900
3	20:45:06	1.429	6.420	6.883	14.050	-1.902	-0.826	0.000	524.900
x		1.675	6.038	6.331	14.130	-1.156	-0.194	0.000	522.800
σ		0.266	0.345	0.534	1.082	0.648	0.571	0.000	2.155
%RSD		15.860	5.709	8.437	7.653	56.030	294.300	0.000	0.412
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	72.578%	0.448	0.255	70.159%	0.015	0.010	-0.054	-0.233
2	20:44:24	74.624%	0.223	0.267	72.059%	0.009	0.015	0.006	-0.080
3	20:45:06	75.682%	0.243	0.214	73.204%	0.004	-0.001	-0.182	-0.095
x		74.295%	0.305	0.245	71.807%	0.009	0.008	-0.077	-0.136
σ		1.578%	0.124	0.028	1.538%	0.006	0.009	0.096	0.084
%RSD		2.124	40.840	11.300	2.142	60.120	107.300	125.400	62.090
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	74.473%	7.431	0.495	0.495	114.900	113.800	81.494%	82.627%
2	20:44:24	76.886%	6.343	0.446	0.548	116.500	115.100	84.297%	85.701%
3	20:45:06	78.562%	5.286	0.522	0.405	115.400	114.000	86.088%	87.574%
x		76.640%	6.354	0.488	0.483	115.600	114.300	83.960%	85.301%
σ		2.055%	1.073	0.038	0.072	0.834	0.720	2.315%	2.498%
%RSD		2.682	16.880	7.846	14.910	0.722	0.630	2.758	2.928
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:43:42	0.092	0.070	0.215	0.143	0.216	78.119%		
2	20:44:24	0.060	0.067	0.233	0.240	0.217	81.958%		
3	20:45:06	0.036	0.071	0.233	0.181	0.213	85.608%		
x		0.063	0.070	0.227	0.188	0.215	81.895%		
σ		0.028	0.002	0.011	0.049	0.002	3.745%		
%RSD		44.720	2.722	4.712	26.170	0.915	4.573		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	95.979%	-0.031	42.710	44.920	0.000	22050.000	24140.000	24170.000
2	20:48:43	97.658%	-0.031	40.950	41.840	0.000	21910.000	23940.000	24100.000
3	20:49:25	97.958%	0.001	44.090	45.460	0.000	21810.000	24170.000	24110.000
x		97.198%	-0.020	42.590	44.070	0.000	21920.000	24080.000	24130.000
σ		1.067%	0.018	1.574	1.950	0.000	121.500	122.100	38.390
%RSD		1.097	91.600	3.695	4.424	0.000	0.554	0.507	0.159

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	66.960	6896.000	0.000	1449.000	41200.000	40460.000	73.431%	4.363
2	20:48:43	68.390	6839.000	0.000	1448.000	40770.000	40610.000	74.114%	4.109
3	20:49:25	67.160	6839.000	0.000	1449.000	41060.000	40930.000	74.055%	3.551
x		67.500	6858.000	0.000	1449.000	41010.000	40670.000	73.867%	4.008
σ		0.774	33.260	0.000	0.696	215.600	238.000	0.378%	0.416
%RSD		1.147	0.485	0.000	0.048	0.526	0.585	0.512	10.370

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	-3.436	0.382	1210.000	41420.000	42220.000	0.784	1.590	2.114
2	20:48:43	-2.920	0.466	1214.000	40830.000	42360.000	0.812	1.521	2.099
3	20:49:25	-3.429	0.513	1219.000	40750.000	42330.000	0.788	1.058	2.409
x		-3.262	0.454	1214.000	41000.000	42310.000	0.795	1.390	2.207
σ		0.296	0.066	4.060	363.400	73.320	0.015	0.290	0.175
%RSD		9.069	14.650	0.334	0.886	0.173	1.908	20.840	7.935

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	2.315	9.040	8.949	8.919	-0.459	0.403	0.000	344.500
2	20:48:43	2.000	9.802	8.066	11.270	-1.557	-1.237	0.000	342.400
3	20:49:25	2.126	8.339	8.492	11.730	-1.068	0.557	0.000	341.900
x		2.147	9.060	8.502	10.640	-1.028	-0.092	0.000	342.900
σ		0.159	0.732	0.442	1.507	0.550	0.994	0.000	1.417
%RSD		7.388	8.078	5.192	14.160	53.530	1078.000	0.000	0.413

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	75.473%	0.619	0.688	75.876%	-0.006	-0.002	-0.066	-0.094
2	20:48:43	77.295%	0.490	0.527	76.836%	-0.002	0.009	-0.087	-0.147
3	20:49:25	78.139%	0.717	0.647	77.347%	-0.002	-0.002	-0.094	-0.178
x		76.969%	0.609	0.621	76.686%	-0.003	0.002	-0.082	-0.140
σ		1.362%	0.114	0.084	0.747%	0.003	0.006	0.014	0.043
%RSD		1.770	18.730	13.500	0.974	88.020	334.800	17.200	30.560

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	79.855%	4.131	0.104	0.096	36.410	34.930	86.455%	88.437%
2	20:48:43	81.584%	3.780	0.049	0.132	35.050	36.220	89.150%	89.284%
3	20:49:25	82.065%	3.997	0.136	0.131	36.360	36.400	89.301%	91.456%
x		81.168%	3.970	0.096	0.120	35.940	35.850	88.302%	89.726%
σ		1.162%	0.177	0.044	0.021	0.771	0.804	1.602%	1.557%
%RSD		1.432	4.462	45.400	17.480	2.145	2.242	1.814	1.735

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	0.033	0.036	0.270	0.239	0.267	86.243%
2	20:48:43	0.051	0.051	0.243	0.292	0.268	89.470%
3	20:49:25	0.030	0.042	0.248	0.248	0.274	91.262%
x		0.038	0.043	0.254	0.260	0.270	88.992%
σ		0.011	0.008	0.015	0.028	0.004	2.543%
%RSD		29.380	17.650	5.740	10.890	1.498	2.858

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	105.996%	-0.031	234.000	226.000	0.000	105700.000	62790.000	63380.000
2	20:53:00	109.362%	-0.031	243.300	225.900	0.000	105300.000	62530.000	63170.000
3	20:53:42	111.898%	-0.003	237.900	227.700	0.000	104900.000	62670.000	63120.000
x		109.085%	-0.021	238.400	226.500	0.000	105300.000	62660.000	63220.000
σ		2.961%	0.016	4.641	0.998	0.000	404.000	129.200	137.200
%RSD		2.714	75.320	1.947	0.441	0.000	0.384	0.206	0.217

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	-13.900	6479.000	0.000	11450.000	105000.000	106600.000	80.327%	1.205
2	20:53:00	-0.080	6509.000	0.000	11370.000	105800.000	107000.000	82.996%	0.601
3	20:53:42	-0.314	6522.000	0.000	11430.000	107800.000	107900.000	83.928%	0.903
x		-4.764	6503.000	0.000	11420.000	106200.000	107200.000	82.417%	0.903
σ		7.912	22.430	0.000	45.620	1427.000	675.200	1.869%	0.302
%RSD		166.100	0.345	0.000	0.400	1.344	0.630	2.268	33.460

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	-7.395	1.779	707.300	48.100	176.400	6.589	6.971	4.398
2	20:53:00	-9.264	1.857	709.600	34.510	173.300	6.805	7.284	4.067
3	20:53:42	-8.768	2.163	718.300	32.710	159.800	6.596	8.424	3.958
x		-8.476	1.933	711.800	38.440	169.800	6.663	7.559	4.141
σ		0.968	0.203	5.810	8.415	8.829	0.123	0.765	0.229
%RSD		11.420	10.520	0.816	21.890	5.200	1.845	10.120	5.535

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	3.250	8.522	9.876	-2.267	-0.599	0.417	0.000	697.200
2	20:53:00	3.731	9.074	9.893	0.919	-0.693	-1.185	0.000	706.400
3	20:53:42	4.119	9.951	9.886	-1.120	-0.848	-1.372	0.000	707.800
x		3.700	9.183	9.885	-0.823	-0.714	-0.713	0.000	703.800
σ		0.435	0.721	0.009	1.614	0.126	0.983	0.000	5.722
%RSD		11.760	7.850	0.086	196.200	17.620	137.800	0.000	0.813

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	80.869%	0.963	0.929	78.094%	0.013	-0.002	0.053	-0.004
2	20:53:00	82.923%	0.822	0.812	80.671%	0.026	0.008	0.009	0.082
3	20:53:42	83.866%	0.861	0.624	81.598%	0.003	-0.002	0.239	0.138
x		82.552%	0.882	0.789	80.121%	0.014	0.001	0.100	0.072
σ		1.533%	0.073	0.154	1.816%	0.012	0.006	0.122	0.071
%RSD		1.856	8.229	19.500	2.266	84.440	402.600	121.800	99.320

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	81.779%	4.805	0.049	0.053	169.500	169.200	88.588%	89.857%
2	20:53:00	84.951%	4.758	0.071	0.043	170.800	167.400	92.082%	94.313%
3	20:53:42	87.166%	4.717	0.055	0.035	162.700	167.600	93.823%	95.076%
x		84.632%	4.760	0.058	0.044	167.700	168.100	91.498%	93.082%
σ		2.707%	0.044	0.012	0.009	4.381	0.973	2.666%	2.819%
%RSD		3.199	0.922	19.700	20.050	2.612	0.579	2.914	3.029

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	0.117	0.082	0.035	0.045	0.058	84.047%
2	20:53:00	0.103	0.077	0.061	0.082	0.065	87.209%
3	20:53:42	0.094	0.090	0.031	0.060	0.052	89.554%
x		0.105	0.083	0.042	0.062	0.059	86.937%
σ		0.011	0.007	0.016	0.019	0.006	2.764%
%RSD		10.720	8.171	37.710	30.040	10.640	3.179

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	95.076%	-0.031	214.000	203.000	0.000	100200.000	53070.000	58980.000
2	20:57:18	96.151%	-0.031	212.800	207.100	0.000	99160.000	53110.000	53470.000
3	20:57:59	97.366%	0.065	208.900	200.400	0.000	98890.000	53060.000	53480.000
x		96.198%	0.001	211.900	203.500	0.000	99410.000	53080.000	55310.000
σ		1.146%	0.055	2.685	3.370	0.000	679.900	24.920	3181.000
%RSD		1.191	4165.000	1.267	1.656	0.000	0.684	0.047	5.752

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	-2.144	6564.000	0.000	7954.000	96840.000	97810.000	73.694%	3.785
2	20:57:18	-2.295	6568.000	0.000	7113.000	98090.000	99020.000	74.167%	1.800
3	20:57:59	-2.321	6531.000	0.000	7121.000	98930.000	99440.000	74.085%	1.591
x		-2.254	6554.000	0.000	7396.000	97950.000	98760.000	73.982%	2.392
σ		0.096	20.220	0.000	483.100	1055.000	849.700	0.253%	1.211
%RSD		4.243	0.309	0.000	6.532	1.077	0.860	0.341	50.620

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	-3.854	0.637	2891.000	20810.000	21570.000	0.382	3.417	2.270
2	20:57:18	-3.859	0.661	2906.000	20560.000	21680.000	0.298	3.330	2.695
3	20:57:59	-5.343	0.465	2910.000	20550.000	21730.000	0.411	3.521	2.344
x		-4.352	0.587	2902.000	20640.000	21660.000	0.364	3.423	2.437
σ		0.858	0.107	9.994	147.800	80.810	0.058	0.096	0.227
%RSD		19.720	18.220	0.344	0.716	0.373	16.060	2.800	9.321

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	2.082	6.510	8.247	5.432	-0.975	0.819	0.000	638.000
2	20:57:18	2.295	6.242	7.938	2.214	-1.045	-0.871	0.000	637.400
3	20:57:59	2.196	6.270	7.024	3.074	-1.573	-0.096	0.000	635.500
x		2.191	6.341	7.736	3.573	-1.198	-0.049	0.000	637.000
σ		0.107	0.147	0.636	1.666	0.327	0.846	0.000	1.292
%RSD		4.876	2.322	8.219	46.630	27.290	1712.000	0.000	0.203

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	75.171%	-0.145	0.001	73.632%	0.014	-0.002	0.018	-0.035
2	20:57:18	77.325%	0.005	-0.110	75.301%	0.003	-0.002	0.012	-0.004
3	20:57:59	77.987%	0.017	-0.043	75.697%	0.013	-0.002	-0.083	-0.133
x		76.828%	-0.041	-0.051	74.876%	0.010	-0.002	-0.018	-0.058
σ		1.472%	0.090	0.056	1.096%	0.006	0.000	0.056	0.068
%RSD		1.916	220.300	109.800	1.463	57.030	4.423	319.500	117.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	80.269%	3.659	0.119	0.055	296.000	299.000	86.701%	88.243%
2	20:57:18	81.217%	3.886	0.107	0.127	304.200	301.600	88.095%	90.136%
3	20:57:59	82.345%	3.600	0.074	0.078	300.900	297.100	90.542%	91.644%
x		81.277%	3.715	0.100	0.086	300.400	299.300	88.446%	90.008%
σ		1.039%	0.151	0.023	0.037	4.123	2.261	1.944%	1.704%
%RSD		1.278	4.075	23.100	42.380	1.373	0.755	2.198	1.893

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	0.026	0.031	4.491	4.151	4.397	83.492%
2	20:57:18	0.013	0.028	4.603	4.483	4.491	86.895%
3	20:57:59	0.009	0.016	4.481	4.440	4.542	87.800%
x		0.016	0.025	4.525	4.358	4.477	86.062%
σ		0.009	0.008	0.068	0.181	0.074	2.271%
%RSD		54.800	32.330	1.500	4.150	1.651	2.639

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	94.723%	0.002	187.900	162.600	0.000	90600.000	71050.000	71690.000
2	21:01:34	96.603%	0.034	176.100	167.800	0.000	89450.000	70120.000	70770.000
3	21:02:15	96.410%	0.002	177.600	167.800	0.000	89660.000	70270.000	70980.000
x		95.912%	0.012	180.500	166.000	0.000	89910.000	70480.000	71150.000
σ		1.034%	0.018	6.418	2.997	0.000	612.900	497.200	483.500
%RSD		1.079	148.000	3.555	1.805	0.000	0.682	0.706	0.679
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	250.400	9808.000	0.000	12680.000	118400.000	119500.000	74.963%	11.680
2	21:01:34	255.600	9798.000	0.000	12510.000	119000.000	119300.000	76.219%	11.080
3	21:02:15	254.200	9865.000	0.000	12560.000	118500.000	120200.000	76.503%	12.120
x		253.400	9824.000	0.000	12580.000	118600.000	119600.000	75.895%	11.630
σ		2.691	36.090	0.000	88.140	345.900	503.300	0.820%	0.526
%RSD		1.062	0.367	0.000	0.700	0.292	0.421	1.080	4.523
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	-3.035	1.786	627.800	29340.000	30220.000	0.900	4.376	6.082
2	21:01:34	-2.377	1.988	630.100	29020.000	30240.000	0.837	5.085	5.897
3	21:02:15	-3.429	2.058	633.700	29060.000	30390.000	0.938	4.811	5.969
x		-2.947	1.944	630.500	29140.000	30280.000	0.892	4.757	5.983
σ		0.532	0.141	2.961	176.300	93.650	0.051	0.358	0.093
%RSD		18.040	7.266	0.470	0.605	0.309	5.715	7.516	1.558
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	5.717	32.420	34.950	7.245	-0.515	-0.228	0.000	775.100
2	21:01:34	6.380	33.880	33.260	5.162	-1.462	-2.949	0.000	781.800
3	21:02:15	6.556	33.030	35.730	6.727	-2.472	-0.904	0.000	787.900
x		6.218	33.110	34.650	6.378	-1.483	-1.360	0.000	781.600
σ		0.442	0.736	1.260	1.084	0.979	1.417	0.000	6.430
%RSD		7.112	2.224	3.638	17.000	65.990	104.200	0.000	0.823
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	76.519%	0.548	0.599	74.557%	0.009	0.036	0.089	0.068
2	21:01:34	77.866%	0.684	0.957	76.247%	0.013	0.014	0.193	0.179
3	21:02:15	77.585%	0.672	0.838	76.283%	0.023	0.019	0.224	0.215
x		77.323%	0.634	0.798	75.696%	0.015	0.023	0.169	0.154
σ		0.710%	0.075	0.182	0.986%	0.007	0.012	0.070	0.077
%RSD		0.919	11.890	22.850	1.303	48.940	49.920	41.810	49.860
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	78.968%	3.913	0.248	0.212	236.600	239.000	87.123%	88.199%
2	21:01:34	81.464%	4.755	0.230	0.198	236.200	241.500	89.317%	90.671%
3	21:02:15	81.692%	4.450	0.213	0.244	239.900	242.900	89.805%	90.492%
x		80.708%	4.373	0.230	0.218	237.600	241.100	88.748%	89.787%
σ		1.511%	0.426	0.017	0.023	2.030	1.991	1.429%	1.379%
%RSD		1.872	9.746	7.506	10.650	0.855	0.826	1.610	1.535
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:00:52	0.023	0.030	4.413	4.614	4.451	82.937%		
2	21:01:34	0.042	0.027	4.609	4.535	4.528	85.763%		
3	21:02:15	0.018	0.030	4.339	4.460	4.362	87.202%		
x		0.028	0.029	4.454	4.536	4.447	85.301%		
σ		0.013	0.002	0.139	0.077	0.083	2.170%		
%RSD		45.250	5.562	3.130	1.707	1.868	2.544		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	103.597%	-0.001	142.100	135.900	0.000	124400.000	53580.000	59220.000
2	21:05:48	109.055%	0.027	147.100	138.300	0.000	123300.000	58800.000	59170.000
3	21:06:30	110.700%	-0.002	149.900	138.100	0.000	123100.000	53900.000	59010.000
x		107.784%	0.008	146.400	137.400	0.000	123600.000	55430.000	59140.000
σ		3.718%	0.016	3.944	1.347	0.000	717.500	2925.000	108.500
%RSD		3.450	208.700	2.695	0.980	0.000	0.581	5.277	0.184
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	181.400	7096.000	0.000	12150.000	122900.000	124600.000	81.099%	8.108
2	21:05:48	180.100	7152.000	0.000	12190.000	127200.000	127300.000	82.244%	9.122
3	21:06:30	180.300	7106.000	0.000	12170.000	124000.000	127000.000	83.063%	7.158
x		180.600	7118.000	0.000	12170.000	124700.000	126300.000	82.135%	8.129
σ		0.734	30.010	0.000	18.430	2259.000	1499.000	0.986%	0.982
%RSD		0.406	0.422	0.000	0.151	1.811	1.187	1.201	12.080
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	-6.111	3.192	102.900	509.300	772.600	1.014	3.979	2.319
2	21:05:48	-7.339	3.281	105.700	502.300	776.000	0.950	3.550	2.564
3	21:06:30	-7.875	3.482	105.000	502.500	767.400	1.070	3.596	2.736
x		-7.108	3.318	104.500	504.700	772.000	1.012	3.708	2.540
σ		0.904	0.149	1.462	4.016	4.346	0.060	0.236	0.210
%RSD		12.720	4.478	1.399	0.796	0.563	5.935	6.351	8.248
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	2.113	6.009	7.014	-0.590	-0.509	-1.325	0.000	663.300
2	21:05:48	2.393	5.632	5.648	0.309	-0.843	0.373	0.000	663.700
3	21:06:30	2.348	5.234	6.500	1.303	-1.218	0.320	0.000	667.500
x		2.285	5.625	6.387	0.341	-0.857	-0.210	0.000	664.800
σ		0.150	0.388	0.690	0.947	0.355	0.965	0.000	2.340
%RSD		6.568	6.890	10.800	278.100	41.410	458.800	0.000	0.352
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	81.544%	0.178	0.229	78.217%	0.003	0.003	0.017	-0.015
2	21:05:48	84.242%	0.099	0.319	80.268%	0.008	0.013	0.068	0.052
3	21:06:30	84.913%	0.069	0.177	81.213%	-0.006	0.018	0.129	0.040
x		83.566%	0.115	0.242	79.899%	0.001	0.011	0.071	0.026
σ		1.783%	0.057	0.072	1.532%	0.007	0.007	0.056	0.036
%RSD		2.134	49.040	29.670	1.917	509.300	64.970	78.700	139.400
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	83.184%	3.233	0.048	0.077	117.800	116.900	90.770%	91.401%
2	21:05:48	87.217%	2.988	0.069	0.035	120.400	119.200	92.782%	94.512%
3	21:06:30	86.021%	2.776	0.080	0.049	121.400	119.900	92.831%	95.745%
x		85.474%	2.999	0.066	0.054	119.900	118.700	92.127%	93.886%
σ		2.071%	0.229	0.016	0.021	1.871	1.562	1.176%	2.238%
%RSD		2.423	7.620	24.730	39.670	1.560	1.316	1.277	2.384
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:05:06	0.025	0.038	0.332	0.369	0.333	84.796%		
2	21:05:48	0.020	0.034	0.345	0.334	0.364	88.282%		
3	21:06:30	0.011	0.029	0.347	0.311	0.327	90.458%		
x		0.019	0.034	0.341	0.338	0.342	87.845%		
σ		0.007	0.005	0.008	0.030	0.020	2.856%		
%RSD		37.420	13.500	2.419	8.742	5.807	3.252		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	82.199%	-0.031	1.538	2.184	0.000	-76.680	-1.168	-0.610
2	21:13:40	82.252%	-0.031	2.613	1.889	0.000	-64.750	4.203	5.093
3	21:14:22	83.491%	-0.031	1.904	1.831	0.000	-58.880	8.093	8.372
x		82.647%	-0.031	2.018	1.968	0.000	-66.770	3.709	4.285
σ		0.731%	0.000	0.547	0.190	0.000	9.067	4.650	4.545
%RSD		0.885	0.000	27.090	9.630	0.000	13.580	125.400	106.100

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	-4.943	4.804	0.000	-13.540	2.945	-2.034	75.887%	-0.087
2	21:13:40	-4.691	3.328	0.000	-10.980	14.670	15.640	76.267%	-0.019
3	21:14:22	-3.661	4.639	0.000	-8.626	38.580	19.500	75.442%	-0.019
x		-4.432	4.257	0.000	-11.050	18.730	11.030	75.865%	-0.042
σ		0.679	0.809	0.000	2.459	18.160	11.480	0.413%	0.040
%RSD		15.320	19.000	0.000	22.250	96.950	104.000	0.545	94.740

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	0.107	-0.039	-0.012	3.327	3.280	-0.015	0.017	0.573
2	21:13:40	0.047	0.060	0.010	3.903	3.664	-0.033	0.039	0.491
3	21:14:22	-0.137	-0.038	0.059	4.405	6.202	-0.003	-0.006	0.636
x		0.006	-0.006	0.019	3.878	4.382	-0.017	0.016	0.566
σ		0.127	0.057	0.036	0.539	1.587	0.015	0.023	0.073
%RSD		2256.000	1011.000	189.400	13.910	36.230	89.270	137.400	12.840

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	0.940	0.627	0.301	-1.076	-1.542	-2.750	0.000	-0.024
2	21:13:40	0.436	0.395	0.405	-0.673	-1.302	-2.006	0.000	0.104
3	21:14:22	0.550	0.597	0.225	0.006	-1.951	0.085	0.000	0.206
x		0.642	0.539	0.310	-0.581	-1.598	-1.557	0.000	0.095
σ		0.264	0.126	0.090	0.547	0.328	1.469	0.000	0.115
%RSD		41.190	23.440	29.060	94.160	20.540	94.370	0.000	121.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	76.104%	-0.234	-0.207	77.748%	-0.006	-0.007	0.059	0.019
2	21:13:40	76.589%	-0.235	-0.250	78.385%	0.003	-0.007	0.012	-0.041
3	21:14:22	77.292%	-0.208	-0.192	78.929%	0.008	0.003	0.061	-0.076
x		76.661%	-0.225	-0.216	78.354%	0.002	-0.003	0.044	-0.033
σ		0.598%	0.015	0.030	0.591%	0.007	0.006	0.028	0.048
%RSD		0.779	6.804	13.990	0.754	452.800	173.600	62.370	146.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	78.866%	1.797	-0.006	-0.026	-0.090	-0.049	81.007%	81.417%
2	21:13:40	79.300%	1.272	0.004	-0.012	-0.090	0.032	81.355%	83.198%
3	21:14:22	80.004%	1.259	-0.007	-0.026	-0.036	0.079	82.567%	83.488%
x		79.390%	1.443	-0.003	-0.021	-0.072	0.021	81.643%	82.701%
σ		0.574%	0.307	0.006	0.008	0.031	0.065	0.819%	1.121%
%RSD		0.723	21.290	202.700	37.270	43.570	313.700	1.003	1.356

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	0.006	0.014	-0.011	0.009	0.002	81.192%
2	21:13:40	0.005	0.018	-0.012	-0.017	-0.009	82.703%
3	21:14:22	0.005	0.010	-0.001	-0.000	0.003	83.424%
x		0.005	0.014	-0.008	-0.003	-0.001	82.440%
σ		0.000	0.004	0.006	0.013	0.006	1.139%
%RSD		6.889	27.460	77.970	475.900	550.200	1.382

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	80.823%	50.100	928.300	909.800	0.000	45800.000	40220.000	40270.000
2	21:17:55	82.144%	47.930	920.600	912.500	0.000	45410.000	40370.000	40730.000
3	21:18:37	83.637%	49.490	943.100	918.600	0.000	45330.000	40610.000	41010.000
x		82.201%	49.170	930.700	913.600	0.000	45510.000	40400.000	40670.000
σ		1.408%	1.117	11.400	4.520	0.000	252.800	200.100	372.200
%RSD		1.713	2.271	1.225	0.495	0.000	0.555	0.495	0.915

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	1789.000	9236.000	0.000	46880.000	47390.000	46400.000	75.729%	961.000
2	21:17:55	1816.000	9298.000	0.000	46570.000	48090.000	46930.000	77.391%	956.600
3	21:18:37	1821.000	9414.000	0.000	46380.000	47820.000	47600.000	78.141%	960.100
x		1809.000	9316.000	0.000	46610.000	47760.000	46970.000	77.087%	959.200
σ		16.950	90.110	0.000	250.200	355.300	600.700	1.235%	2.307
%RSD		0.937	0.967	0.000	0.537	0.744	1.279	1.602	0.241

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	486.000	192.400	475.200	802.600	1066.000	482.000	489.400	242.100
2	21:17:55	484.500	192.200	478.700	807.500	1066.000	487.400	489.300	245.100
3	21:18:37	492.600	196.700	484.900	817.000	1047.000	488.100	501.500	247.000
x		487.700	193.800	479.600	809.000	1060.000	485.900	493.400	244.700
σ		4.356	2.525	4.918	7.324	11.180	3.314	6.991	2.463
%RSD		0.893	1.303	1.025	0.905	1.055	0.682	1.417	1.006

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	243.700	471.900	480.800	37.520	10.810	8.496	0.000	948.100
2	21:17:55	243.900	480.300	486.800	37.060	8.640	6.816	0.000	943.300
3	21:18:37	245.700	483.800	491.500	35.880	9.831	8.670	0.000	956.800
x		244.400	478.700	486.300	36.820	9.761	7.994	0.000	949.400
σ		1.090	6.102	5.330	0.845	1.087	1.024	0.000	6.833
%RSD		0.446	1.275	1.096	2.294	11.140	12.810	0.000	0.720

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	76.273%	980.900	983.500	75.441%	47.900	48.020	46.540	39.280
2	21:17:55	79.695%	987.300	996.900	78.209%	48.890	48.530	49.170	41.500
3	21:18:37	79.805%	997.300	996.400	79.560%	49.230	47.830	47.390	40.400
x		78.591%	988.500	992.300	77.737%	48.670	48.130	47.700	40.390
σ		2.008%	8.254	7.568	2.100%	0.691	0.358	1.343	1.109
%RSD		2.555	0.835	0.763	2.701	1.419	0.744	2.816	2.745

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	78.704%	1947.000	467.200	467.100	1894.000	1910.000	83.993%	85.002%
2	21:17:55	80.603%	1981.000	483.900	481.100	1903.000	1916.000	87.780%	88.628%
3	21:18:37	82.763%	1964.000	479.200	479.800	1888.000	1908.000	88.849%	89.873%
x		80.690%	1964.000	476.800	476.000	1895.000	1911.000	86.874%	87.834%
σ		2.031%	17.440	8.629	7.715	7.630	4.360	2.552%	2.530%
%RSD		2.517	0.888	1.810	1.621	0.403	0.228	2.937	2.881

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	48.860	48.110	19.410	19.670	19.480	84.727%
2	21:17:55	49.540	48.860	19.950	19.960	19.920	87.322%
3	21:18:37	49.720	49.480	19.940	19.850	20.120	88.409%
x		49.370	48.810	19.770	19.830	19.840	86.819%
σ		0.453	0.688	0.309	0.144	0.324	1.892%
%RSD		0.918	1.409	1.562	0.724	1.631	2.179

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	83.091%	0.006	123.000	131.600	0.000	80720.000	42800.000	48620.000
2	21:22:11	85.017%	0.005	133.700	128.700	0.000	79770.000	42590.000	42880.000
3	21:22:53	84.361%	-0.031	130.500	131.400	0.000	80220.000	42680.000	43140.000
x		84.156%	-0.006	129.100	130.600	0.000	80240.000	42690.000	44880.000
σ		0.979%	0.021	5.512	1.661	0.000	476.800	105.800	3244.000
%RSD		1.164	328.100	4.270	1.272	0.000	0.594	0.248	7.227
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	25.790	4565.000	0.000	4926.000	66430.000	64970.000	78.262%	2.499
2	21:22:11	23.180	4552.000	0.000	4963.000	66570.000	65060.000	78.660%	1.496
3	21:22:53	24.110	4567.000	0.000	4954.000	65040.000	65050.000	78.931%	1.161
x		24.360	4561.000	0.000	4947.000	66010.000	65030.000	78.617%	1.718
σ		1.323	8.079	0.000	19.290	845.200	47.480	0.336%	0.696
%RSD		5.430	0.177	0.000	0.390	1.280	0.073	0.428	40.520
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	-0.025	1.798	336.600	52.500	160.700	0.471	1.594	1.377
2	21:22:11	0.093	1.686	334.800	52.120	152.200	0.434	2.380	1.047
3	21:22:53	-0.096	1.743	338.100	51.400	154.100	0.427	1.987	1.214
x		-0.009	1.742	336.500	52.010	155.700	0.444	1.987	1.213
σ		0.096	0.056	1.633	0.556	4.459	0.024	0.393	0.165
%RSD		1035.000	3.232	0.485	1.070	2.864	5.310	19.780	13.610
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	0.852	5.823	5.496	1.131	3.679	6.109	0.000	373.400
2	21:22:11	0.995	5.648	5.522	-0.193	3.351	3.766	0.000	376.700
3	21:22:53	1.092	5.263	6.340	-0.130	4.845	5.265	0.000	377.100
x		0.980	5.578	5.786	0.270	3.958	5.046	0.000	375.700
σ		0.121	0.287	0.480	0.747	0.785	1.187	0.000	2.043
%RSD		12.340	5.135	8.296	277.000	19.840	23.520	0.000	0.544
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	79.475%	6.188	6.266	77.726%	0.003	0.009	-0.020	-0.076
2	21:22:11	80.486%	2.817	3.098	78.870%	0.003	0.024	0.051	-0.058
3	21:22:53	81.571%	2.095	1.973	79.216%	0.018	0.003	-0.068	-0.060
x		80.510%	3.700	3.779	78.604%	0.008	0.012	-0.012	-0.065
σ		1.048%	2.185	2.226	0.780%	0.008	0.011	0.060	0.010
%RSD		1.302	59.050	58.900	0.992	103.000	89.190	486.800	15.760
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	80.623%	11.590	8.089	8.074	162.000	162.000	85.302%	86.833%
2	21:22:11	81.862%	6.962	5.247	5.191	163.200	161.700	87.610%	89.108%
3	21:22:53	82.485%	5.285	3.224	3.175	163.800	164.000	88.301%	89.762%
x		81.657%	7.945	5.520	5.480	163.000	162.600	87.071%	88.568%
σ		0.948%	3.265	2.444	2.463	0.939	1.226	1.571%	1.537%
%RSD		1.160	41.090	44.270	44.930	0.576	0.754	1.804	1.736
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:21:29	0.045	0.037	0.090	0.051	0.083	86.395%		
2	21:22:11	0.052	0.037	0.033	0.081	0.065	87.700%		
3	21:22:53	0.046	0.030	0.057	0.050	0.065	87.652%		
x		0.048	0.035	0.060	0.061	0.071	87.249%		
σ		0.004	0.004	0.029	0.018	0.010	0.740%		
%RSD		8.164	12.430	48.090	29.490	14.790	0.848		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	80.964%	0.045	83.620	83.770	0.000	106400.000	15290.000	15310.000
2	21:26:27	82.249%	0.006	86.600	81.470	0.000	105500.000	15260.000	15270.000
3	21:27:08	82.717%	0.043	82.660	87.050	0.000	106200.000	15410.000	15530.000
x		81.977%	0.031	84.290	84.100	0.000	106000.000	15320.000	15370.000
σ		0.907%	0.022	2.059	2.805	0.000	455.100	78.480	137.400
%RSD		1.107	68.890	2.442	3.335	0.000	0.429	0.512	0.894

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	118.100	7063.000	0.000	1676.000	26940.000	26630.000	76.041%	4.346
2	21:26:27	115.500	7039.000	0.000	1664.000	26990.000	26370.000	78.341%	4.349
3	21:27:08	115.200	7086.000	0.000	1685.000	27880.000	26750.000	78.589%	4.333
x		116.300	7063.000	0.000	1675.000	27270.000	26580.000	77.657%	4.343
σ		1.605	23.900	0.000	10.900	530.000	193.300	1.405%	0.008
%RSD		1.380	0.338	0.000	0.651	1.944	0.727	1.809	0.195

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	0.279	0.138	179.700	11030.000	10890.000	0.308	0.734	1.569
2	21:26:27	0.276	0.152	178.600	10830.000	10860.000	0.323	0.334	1.642
3	21:27:08	0.086	0.097	181.400	10890.000	10920.000	0.313	0.431	1.386
x		0.214	0.129	179.900	10920.000	10890.000	0.315	0.500	1.532
σ		0.110	0.029	1.388	102.900	30.020	0.008	0.209	0.132
%RSD		51.720	22.420	0.772	0.942	0.276	2.487	41.730	8.589

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	1.594	4.591	4.712	1.081	-0.972	-1.852	0.000	179.100
2	21:26:27	1.216	4.259	4.561	1.562	-1.421	-0.357	0.000	180.000
3	21:27:08	1.637	5.135	5.035	1.231	-1.693	-0.267	0.000	182.000
x		1.482	4.662	4.769	1.291	-1.362	-0.825	0.000	180.300
σ		0.232	0.442	0.242	0.246	0.364	0.890	0.000	1.467
%RSD		15.640	9.480	5.077	19.070	26.740	107.900	0.000	0.813

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	78.439%	0.830	0.720	76.651%	0.033	0.014	-0.034	-0.078
2	21:26:27	80.434%	0.774	0.544	78.685%	0.018	0.024	0.077	-0.070
3	21:27:08	81.505%	0.466	0.802	79.854%	0.013	0.013	-0.011	-0.084
x		80.126%	0.690	0.689	78.397%	0.021	0.017	0.011	-0.078
σ		1.556%	0.196	0.132	1.621%	0.011	0.006	0.059	0.007
%RSD		1.942	28.360	19.100	2.068	50.930	34.100	538.800	9.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	79.835%	3.319	1.334	1.222	52.920	56.100	84.111%	85.787%
2	21:26:27	82.421%	2.646	1.019	1.036	53.590	52.400	87.789%	89.555%
3	21:27:08	83.336%	2.358	0.820	0.790	54.830	56.510	89.156%	90.354%
x		81.864%	2.774	1.057	1.016	53.780	55.000	87.018%	88.565%
σ		1.816%	0.493	0.259	0.217	0.968	2.265	2.609%	2.439%
%RSD		2.218	17.780	24.490	21.310	1.799	4.119	2.998	2.754

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	0.010	0.023	0.362	0.415	0.411	85.627%
2	21:26:27	0.029	0.022	0.353	0.441	0.419	88.366%
3	21:27:08	0.004	0.020	0.412	0.433	0.409	88.287%
x		0.014	0.022	0.376	0.429	0.413	87.427%
σ		0.013	0.001	0.032	0.013	0.005	1.559%
%RSD		92.130	6.373	8.431	3.017	1.293	1.783

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	83.111%	99.620	96.840	94.830	0.000	47150.000	41280.000	41460.000
2	21:33:37	82.933%	98.890	95.100	96.040	0.000	47170.000	41690.000	42120.000
3	21:34:19	83.854%	100.600	95.400	95.130	0.000	47160.000	42260.000	42220.000
x		83.299%	99.706%	95.782%	95.334%	0.000	94.318%	83.480%	83.867%
σ		0.489%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.586	0.858	0.973	0.659	0.000	0.021	1.179	0.975

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	464.800	4846.000	0.000	48120.000	48130.000	47260.000	80.370%	98.860
2	21:33:37	466.400	4886.000	0.000	47850.000	48710.000	47620.000	81.999%	103.500
3	21:34:19	468.000	4871.000	0.000	47760.000	48040.000	47900.000	82.559%	99.010
x		93.282%	97.355%	0.000	95.823%	96.585%	95.188%	81.643%	100.448%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.137%	n/a
%RSD		0.352	0.423	0.000	0.391	0.747	0.673	1.392	2.611

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	96.540	98.150	478.000	24490.000	24100.000	98.130	103.100	101.500
2	21:33:37	98.080	97.770	482.000	24090.000	24230.000	98.180	100.100	98.960
3	21:34:19	99.370	98.370	486.300	24040.000	24320.000	99.740	99.940	101.800
x		97.996%	98.097%	96.417%	96.819%	96.866%	98.685%	101.054%	100.742%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.445	0.313	0.854	1.041	0.463	0.927	1.756	1.537

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	102.700	102.600	100.200	101.100	91.590	101.000	0.000	97.470
2	21:33:37	101.200	99.400	99.930	95.970	99.030	97.800	0.000	96.430
3	21:34:19	99.560	101.000	100.900	97.580	94.790	95.220	0.000	96.240
x		101.153%	101.027%	100.350%	98.216%	95.136%	98.014%	0.000	96.711%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.530	1.601	0.527	2.670	3.926	2.961	0.000	0.686

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	80.392%	96.880	98.160	79.515%	96.570	97.060	92.430	95.720
2	21:33:37	83.268%	99.350	100.500	82.174%	97.780	99.500	98.570	98.090
3	21:34:19	84.799%	102.200	102.100	83.618%	98.030	98.790	97.280	96.440
x		82.819%	99.467%	100.256%	81.769%	97.457%	98.448%	96.093%	96.751%
σ		2.238%	n/a	n/a	2.082%	n/a	n/a	n/a	n/a
%RSD		2.702	2.660	1.997	2.546	0.803	1.279	3.373	1.256

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	82.043%	97.800	96.830	97.400	98.950	97.700	86.326%	87.048%
2	21:33:37	84.551%	98.380	99.750	98.550	99.600	94.810	88.164%	90.288%
3	21:34:19	85.926%	98.480	100.600	99.460	101.000	97.280	91.696%	92.841%
x		84.173%	98.218%	99.047%	98.471%	99.835%	96.598%	88.729%	90.059%
σ		1.969%	n/a	n/a	n/a	n/a	n/a	2.729%	2.903%
%RSD		2.339	0.371	1.985	1.046	1.027	1.615	3.076	3.224

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	97.110	97.170	97.880	98.030	98.120	85.163%
2	21:33:37	99.070	98.580	99.780	100.400	99.870	88.295%
3	21:34:19	99.110	99.240	98.330	100.600	99.480	90.191%
x		98.431%	98.331%	98.664%	99.675%	99.157%	87.883%
σ		n/a	n/a	n/a	n/a	n/a	2.539%
%RSD		1.163	1.074	1.005	1.439	0.926	2.889

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	86.141%	0.005	1.921	2.175	0.000	-22.060	20.140	21.750
2	21:40:50	87.487%	0.039	1.754	2.332	0.000	12.270	36.590	40.150
3	21:41:32	86.281%	0.005	2.941	2.222	0.000	-7.703	32.570	35.060
x		86.636%	0.016	2.206	2.243	0.000	-5.828	29.760	32.320
σ		0.740%	0.020	0.643	0.081	0.000	17.240	8.576	9.498
%RSD		0.854	122.700	29.140	3.594	0.000	295.800	28.810	29.390
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	-1.203	4.935	0.000	14.570	51.050	48.280	83.155%	0.038
2	21:40:50	0.717	4.928	0.000	29.420	72.550	77.790	83.215%	0.537
3	21:41:32	0.529	4.465	0.000	17.000	78.200	69.250	82.988%	0.226
x		0.014	4.776	0.000	20.330	67.270	65.110	83.120%	0.267
σ		1.059	0.270	0.000	7.967	14.330	15.190	0.118%	0.252
%RSD		7426.000	5.643	0.000	39.180	21.300	23.330	0.141	94.530
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	0.029	-0.001	0.297	22.590	26.600	0.050	0.052	0.330
2	21:40:50	0.092	0.103	0.676	25.840	30.640	0.097	0.279	0.528
3	21:41:32	0.077	0.034	0.529	22.060	29.740	0.105	0.156	0.361
x		0.066	0.046	0.501	23.500	28.990	0.084	0.162	0.406
σ		0.033	0.053	0.191	2.046	2.122	0.030	0.114	0.106
%RSD		49.900	115.900	38.110	8.707	7.318	35.490	70.030	26.180
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	0.336	0.486	0.601	-0.369	-0.697	-1.312	0.000	0.465
2	21:40:50	0.396	0.482	0.640	-0.087	-0.013	-0.818	0.000	0.961
3	21:41:32	0.420	0.326	1.067	-0.314	-0.454	-0.490	0.000	0.781
x		0.384	0.431	0.770	-0.257	-0.388	-0.873	0.000	0.736
σ		0.043	0.091	0.259	0.150	0.347	0.414	0.000	0.251
%RSD		11.320	21.210	33.640	58.290	89.420	47.390	0.000	34.100
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	83.004%	0.415	0.428	84.295%	0.062	0.047	0.108	0.022
2	21:40:50	83.621%	0.395	0.390	85.246%	0.057	0.066	0.160	0.008
3	21:41:32	82.853%	0.336	0.269	84.928%	0.034	0.057	0.109	0.023
x		83.159%	0.382	0.363	84.823%	0.051	0.057	0.126	0.018
σ		0.407%	0.041	0.083	0.484%	0.015	0.009	0.030	0.008
%RSD		0.489	10.710	22.910	0.571	28.940	16.430	23.660	45.910
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	83.516%	1.897	0.241	0.202	0.171	0.150	85.477%	86.410%
2	21:40:50	85.218%	1.895	0.271	0.255	0.476	0.239	86.296%	87.390%
3	21:41:32	84.878%	1.857	0.226	0.294	0.294	0.450	87.169%	87.216%
x		84.537%	1.883	0.246	0.250	0.313	0.280	86.314%	87.005%
σ		0.901%	0.022	0.023	0.046	0.153	0.154	0.846%	0.523%
%RSD		1.066	1.181	9.171	18.490	48.920	54.990	0.981	0.601
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:40:08	0.049	0.068	0.053	0.049	0.060	88.786%		
2	21:40:50	0.088	0.089	0.080	0.060	0.077	89.236%		
3	21:41:32	0.082	0.069	0.056	0.056	0.050	89.319%		
x		0.073	0.075	0.063	0.055	0.062	89.114%		
σ		0.021	0.012	0.015	0.006	0.013	0.287%		
%RSD		28.840	15.980	23.570	10.350	21.530	0.322		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	84.630%	-0.031	46.630	46.090	0.000	34690.000	14930.000	14960.000
2	21:45:08	86.369%	-0.031	46.460	48.410	0.000	34220.000	14940.000	14990.000
3	21:45:50	84.984%	-0.031	49.990	48.340	0.000	34570.000	15150.000	15220.000
x		85.328%	-0.031	47.690	47.610	0.000	34490.000	15010.000	15050.000
σ		0.919%	0.000	1.987	1.322	0.000	245.600	127.300	142.300
%RSD		1.077	0.000	4.167	2.777	0.000	0.712	0.848	0.946

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	0.376	5069.000	0.000	2424.000	19790.000	19090.000	80.864%	2.224
2	21:45:08	0.669	5050.000	0.000	2438.000	19410.000	19120.000	82.175%	1.492
3	21:45:50	0.591	5115.000	0.000	2470.000	19670.000	19440.000	82.537%	1.736
x		0.546	5078.000	0.000	2444.000	19620.000	19220.000	81.859%	1.817
σ		0.152	33.530	0.000	23.570	194.400	192.000	0.880%	0.373
%RSD		27.810	0.660	0.000	0.965	0.991	0.999	1.075	20.510

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	-0.007	-0.199	39.050	10390.000	9937.000	0.483	0.531	0.974
2	21:45:08	-0.065	-0.135	38.940	10250.000	10010.000	0.498	0.480	0.778
3	21:45:50	-0.114	-0.178	39.640	10290.000	10090.000	0.524	0.475	0.794
x		-0.062	-0.171	39.210	10310.000	10010.000	0.502	0.495	0.848
σ		0.053	0.032	0.374	71.240	77.120	0.020	0.031	0.109
%RSD		86.090	19.010	0.954	0.691	0.770	4.077	6.287	12.810

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	0.966	14.580	13.840	12.170	-1.355	-1.463	0.000	118.600
2	21:45:08	0.798	15.480	16.250	11.970	-1.762	0.481	0.000	118.900
3	21:45:50	0.960	13.960	14.020	12.750	-1.064	-0.525	0.000	122.100
x		0.908	14.670	14.700	12.300	-1.394	-0.502	0.000	119.900
σ		0.096	0.761	1.344	0.401	0.350	0.972	0.000	1.965
%RSD		10.520	5.186	9.142	3.264	25.140	193.600	0.000	1.639

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	81.775%	0.433	0.627	81.219%	-0.002	0.003	0.087	0.102
2	21:45:08	83.443%	0.507	0.520	83.165%	-0.006	0.003	0.095	0.000
3	21:45:50	83.675%	0.540	0.529	84.071%	0.012	0.003	0.205	0.164
x		82.964%	0.493	0.559	82.818%	0.001	0.003	0.129	0.088
σ		1.037%	0.055	0.060	1.457%	0.009	0.000	0.066	0.083
%RSD		1.250	11.150	10.650	1.759	813.600	6.709	50.920	93.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	82.257%	1.590	0.234	0.251	58.950	60.170	85.014%	86.720%
2	21:45:08	85.156%	1.368	0.270	0.152	59.710	58.820	88.917%	89.643%
3	21:45:50	85.808%	1.779	0.189	0.226	59.620	59.150	89.616%	90.668%
x		84.407%	1.579	0.231	0.210	59.430	59.380	87.849%	89.011%
σ		1.890%	0.206	0.041	0.052	0.417	0.705	2.480%	2.049%
%RSD		2.239	13.030	17.560	24.620	0.701	1.187	2.823	2.302

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	0.009	0.012	0.907	0.937	0.934	90.783%
2	21:45:08	0.019	0.030	0.878	1.008	0.904	91.842%
3	21:45:50	0.019	0.022	0.976	0.968	0.915	91.346%
x		0.016	0.022	0.921	0.971	0.918	91.323%
σ		0.006	0.009	0.050	0.036	0.015	0.530%
%RSD		38.770	40.350	5.436	3.664	1.646	0.580

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	85.656%	0.005	50.850	47.300	0.000	35190.000	15160.000	15280.000
2	21:49:24	85.587%	-0.031	48.160	50.610	0.000	35100.000	15450.000	15390.000
3	21:50:06	84.839%	-0.031	49.200	50.680	0.000	35120.000	15540.000	15500.000
x		85.361%	-0.019	49.400	49.530	0.000	35140.000	15390.000	15390.000
σ		0.453%	0.021	1.360	1.932	0.000	42.750	197.500	110.000
%RSD		0.531	109.200	2.753	3.901	0.000	0.122	1.284	0.715

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	-1.137	5190.000	0.000	2464.000	19770.000	19360.000	83.497%	2.152
2	21:49:24	-1.031	5242.000	0.000	2492.000	20380.000	19560.000	83.960%	1.768
3	21:50:06	-1.465	5236.000	0.000	2489.000	19890.000	19540.000	83.902%	1.646
x		-1.211	5223.000	0.000	2482.000	20010.000	19490.000	83.786%	1.855
σ		0.226	28.800	0.000	15.020	321.900	112.600	0.252%	0.264
%RSD		18.700	0.551	0.000	0.605	1.608	0.578	0.301	14.250

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	-0.117	-0.102	40.240	10560.000	10150.000	0.470	0.820	0.839
2	21:49:24	-0.044	-0.124	40.420	10530.000	10260.000	0.500	0.458	0.699
3	21:50:06	-0.054	-0.131	40.450	10470.000	10260.000	0.540	0.423	0.592
x		-0.072	-0.119	40.370	10520.000	10220.000	0.504	0.567	0.710
σ		0.040	0.015	0.117	47.310	65.130	0.035	0.220	0.124
%RSD		55.440	12.930	0.289	0.450	0.637	7.043	38.820	17.510

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	0.832	14.230	13.600	12.870	0.005	-0.982	0.000	121.300
2	21:49:24	0.677	13.940	12.860	12.190	-0.978	-1.369	0.000	120.800
3	21:50:06	1.009	13.770	15.130	13.020	-0.500	-0.194	0.000	122.900
x		0.840	13.980	13.860	12.690	-0.491	-0.849	0.000	121.600
σ		0.166	0.230	1.157	0.445	0.492	0.599	0.000	1.070
%RSD		19.770	1.646	8.345	3.503	100.100	70.560	0.000	0.879

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	83.047%	0.420	0.667	82.772%	0.007	0.003	0.230	0.226
2	21:49:24	84.325%	0.536	0.503	84.131%	0.003	-0.002	0.249	0.150
3	21:50:06	83.940%	0.498	0.478	84.608%	-0.002	-0.007	0.208	0.146
x		83.771%	0.485	0.549	83.837%	0.003	-0.002	0.229	0.174
σ		0.656%	0.059	0.102	0.953%	0.005	0.005	0.021	0.045
%RSD		0.783	12.190	18.640	1.137	173.000	250.700	9.058	25.940

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	83.451%	2.387	0.195	0.181	59.420	61.050	87.925%	88.391%
2	21:49:24	85.149%	3.196	0.205	0.203	60.310	60.700	88.690%	90.654%
3	21:50:06	85.434%	2.513	0.165	0.158	60.000	60.270	89.336%	90.957%
x		84.678%	2.699	0.188	0.181	59.910	60.670	88.651%	90.001%
σ		1.072%	0.435	0.021	0.023	0.454	0.391	0.706%	1.402%
%RSD		1.266	16.130	11.090	12.560	0.759	0.644	0.797	1.558

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	0.018	0.013	0.787	0.768	0.809	88.551%
2	21:49:24	-0.005	0.018	0.857	0.854	0.860	90.112%
3	21:50:06	0.000	0.014	0.860	0.923	0.882	90.132%
x		0.004	0.015	0.834	0.848	0.850	89.598%
σ		0.012	0.003	0.041	0.077	0.037	0.907%
%RSD		277.900	18.490	4.957	9.129	4.370	1.012

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	84.352%	0.005	39.720	42.520	0.000	46380.000	21080.000	21140.000
2	21:53:41	84.146%	-0.031	42.990	44.060	0.000	46090.000	21220.000	21160.000
3	21:54:23	86.084%	0.005	43.380	43.380	0.000	45770.000	21140.000	21180.000
x		84.861%	-0.007	42.030	43.320	0.000	46080.000	21150.000	21160.000
σ		1.065%	0.021	2.012	0.775	0.000	309.400	67.870	22.270
%RSD		1.254	301.900	4.788	1.789	0.000	0.671	0.321	0.105

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	25.130	11510.000	0.000	1028.000	30180.000	29480.000	83.022%	2.038
2	21:53:41	26.520	11510.000	0.000	1019.000	30650.000	29270.000	84.677%	1.813
3	21:54:23	25.560	11530.000	0.000	1028.000	30190.000	29700.000	84.619%	2.181
x		25.730	11520.000	0.000	1025.000	30340.000	29490.000	84.106%	2.011
σ		0.710	8.818	0.000	5.262	266.900	216.000	0.939%	0.186
%RSD		2.759	0.077	0.000	0.513	0.880	0.733	1.116	9.227

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	0.071	-0.085	684.300	23620.000	23190.000	0.964	0.086	1.158
2	21:53:41	0.208	-0.040	683.700	23130.000	23010.000	0.872	0.276	1.177
3	21:54:23	0.135	-0.103	688.800	23170.000	23200.000	0.773	0.259	1.219
x		0.138	-0.076	685.600	23300.000	23130.000	0.870	0.207	1.185
σ		0.069	0.032	2.775	271.000	105.500	0.096	0.105	0.031
%RSD		49.800	42.360	0.405	1.163	0.456	11.020	50.930	2.610

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	0.975	5.494	5.553	50.940	0.209	-0.691	0.000	246.600
2	21:53:41	1.234	5.357	6.030	49.920	-1.710	-0.313	0.000	245.800
3	21:54:23	1.186	6.421	6.513	51.820	0.313	-0.778	0.000	247.300
x		1.132	5.758	6.032	50.890	-0.396	-0.594	0.000	246.600
σ		0.138	0.579	0.480	0.948	1.139	0.247	0.000	0.719
%RSD		12.200	10.060	7.954	1.864	287.800	41.660	0.000	0.292

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	84.014%	0.312	0.409	83.032%	0.007	-0.002	0.075	0.003
2	21:53:41	85.637%	0.399	0.369	85.145%	-0.002	-0.002	0.049	-0.008
3	21:54:23	86.772%	0.465	0.500	85.908%	0.016	0.003	-0.044	-0.064
x		85.474%	0.392	0.426	84.695%	0.007	-0.001	0.027	-0.023
σ		1.386%	0.077	0.067	1.490%	0.009	0.003	0.062	0.036
%RSD		1.622	19.650	15.690	1.759	126.000	510.900	232.600	155.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	83.881%	1.356	0.163	0.148	79.010	78.280	87.780%	89.645%
2	21:53:41	87.891%	0.904	0.160	0.128	74.080	75.230	91.737%	92.061%
3	21:54:23	88.466%	0.729	0.145	0.139	75.780	78.840	91.614%	93.492%
x		86.746%	0.996	0.156	0.138	76.290	77.450	90.377%	91.733%
σ		2.498%	0.323	0.010	0.010	2.504	1.944	2.250%	1.945%
%RSD		2.879	32.470	6.449	7.429	3.282	2.511	2.489	2.120

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	-0.002	0.014	0.272	0.333	0.293	88.875%
2	21:53:41	0.005	0.007	0.273	0.341	0.317	91.612%
3	21:54:23	0.008	0.006	0.296	0.314	0.321	92.774%
x		0.004	0.009	0.280	0.329	0.310	91.087%
σ		0.005	0.004	0.013	0.014	0.015	2.002%
%RSD		140.300	50.240	4.753	4.202	4.874	2.198

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	83.697%	-0.031	32.530	31.560	0.000	3513.000	3178.000	3174.000
2	21:57:59	83.326%	-0.031	29.940	31.430	0.000	3047.000	3187.000	3179.000
3	21:58:40	82.418%	0.006	32.280	34.220	0.000	3065.000	3166.000	3159.000
x		83.147%	-0.018	31.580	32.400	0.000	3208.000	3177.000	3171.000
σ		0.658%	0.021	1.430	1.574	0.000	264.000	10.490	10.410
%RSD		0.791	116.400	4.528	4.857	0.000	8.228	0.330	0.328

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	2.854	2720.000	0.000	4239.000	23990.000	23310.000	82.429%	1.173
2	21:57:59	1.881	2715.000	0.000	4229.000	23410.000	23350.000	81.274%	0.743
3	21:58:40	2.391	2713.000	0.000	4231.000	24040.000	23300.000	80.623%	0.428
x		2.375	2716.000	0.000	4233.000	23810.000	23320.000	81.442%	0.781
σ		0.486	3.688	0.000	5.418	352.600	23.770	0.915%	0.374
%RSD		20.480	0.136	0.000	0.128	1.481	0.102	1.123	47.880

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	1.494	0.131	40.090	148.800	222.000	0.491	0.229	2.746
2	21:57:59	1.186	0.037	39.590	117.700	187.300	0.633	0.304	2.336
3	21:58:40	1.534	0.148	39.850	115.200	186.700	0.561	0.408	2.579
x		1.405	0.105	39.850	127.200	198.600	0.561	0.314	2.554
σ		0.190	0.060	0.251	18.710	20.220	0.071	0.090	0.206
%RSD		13.540	56.820	0.630	14.710	10.180	12.630	28.640	8.071

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	2.100	6.452	7.013	2.550	-0.557	0.479	0.000	151.800
2	21:57:59	2.798	6.560	6.503	2.521	0.060	1.175	0.000	151.500
3	21:58:40	2.689	6.696	6.780	2.369	-0.640	-0.503	0.000	151.400
x		2.529	6.569	6.765	2.480	-0.379	0.384	0.000	151.600
σ		0.375	0.122	0.255	0.098	0.383	0.843	0.000	0.197
%RSD		14.850	1.861	3.775	3.938	101.000	219.700	0.000	0.130

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	82.558%	4.315	3.886	83.503%	-0.002	-0.007	-0.116	-0.155
2	21:57:59	82.327%	4.143	4.364	82.858%	-0.002	-0.007	-0.031	-0.003
3	21:58:40	82.040%	4.347	4.509	82.341%	-0.002	-0.007	0.019	-0.019
x		82.308%	4.268	4.253	82.901%	-0.002	-0.007	-0.042	-0.059
σ		0.260%	0.110	0.326	0.582%	0.000	0.000	0.068	0.083
%RSD		0.316	2.571	7.662	0.703	1.454	0.000	160.600	140.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	84.584%	1.930	0.945	0.961	13.590	13.630	88.271%	88.560%
2	21:57:59	84.087%	2.211	1.034	0.945	13.300	13.090	88.999%	88.736%
3	21:58:40	84.022%	1.909	1.101	0.954	13.760	13.800	88.010%	88.824%
x		84.231%	2.016	1.027	0.954	13.550	13.500	88.427%	88.707%
σ		0.308%	0.169	0.079	0.008	0.232	0.372	0.513%	0.134%
%RSD		0.365	8.383	7.647	0.835	1.709	2.756	0.580	0.151

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	0.006	0.018	0.281	0.262	0.286	90.402%
2	21:57:59	0.017	0.019	0.264	0.258	0.267	90.390%
3	21:58:40	0.000	0.015	0.259	0.256	0.280	89.851%
x		0.008	0.017	0.268	0.259	0.278	90.214%
σ		0.008	0.002	0.012	0.003	0.009	0.315%
%RSD		107.900	12.820	4.309	1.185	3.417	0.349

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	79.161%	-0.031	7.470	8.543	0.000	599.800	642.000	653.900
2	22:02:17	81.915%	-0.031	8.978	7.637	0.000	571.900	645.600	636.700
3	22:02:58	81.276%	-0.031	6.604	7.758	0.000	559.200	641.400	636.300
x		80.784%	-0.031	7.684	7.980	0.000	577.000	643.000	642.300
σ		1.441%	0.000	1.201	0.492	0.000	20.750	2.259	10.050
%RSD		1.784	0.000	15.640	6.163	0.000	3.596	0.351	1.565

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	-0.234	539.500	0.000	835.500	4892.000	4623.000	77.222%	0.451
2	22:02:17	-1.338	538.900	0.000	833.300	5004.000	4647.000	76.687%	0.116
3	22:02:58	-2.528	535.200	0.000	831.900	4447.000	4619.000	76.103%	0.254
x		-1.366	537.900	0.000	833.600	4781.000	4630.000	76.671%	0.273
σ		1.147	2.344	0.000	1.808	294.600	15.430	0.560%	0.168
%RSD		83.970	0.436	0.000	0.217	6.162	0.333	0.730	61.620

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	0.254	-0.049	8.522	38.000	51.480	0.128	0.283	0.816
2	22:02:17	0.231	-0.015	8.380	31.430	44.960	0.107	0.104	0.879
3	22:02:58	0.355	0.012	8.520	27.900	45.140	0.112	0.132	0.680
x		0.280	-0.017	8.474	32.440	47.190	0.116	0.173	0.792
σ		0.066	0.031	0.081	5.128	3.711	0.011	0.096	0.102
%RSD		23.570	175.100	0.962	15.800	7.863	9.480	55.600	12.860

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	0.740	1.154	1.842	0.571	-0.572	0.144	0.000	31.650
2	22:02:17	1.028	1.473	1.587	0.365	-1.730	-0.158	0.000	30.710
3	22:02:58	0.946	1.583	1.026	0.833	-1.343	-0.057	0.000	30.320
x		0.905	1.403	1.485	0.590	-1.215	-0.024	0.000	30.890
σ		0.148	0.223	0.417	0.235	0.590	0.154	0.000	0.684
%RSD		16.400	15.850	28.100	39.790	48.520	648.300	0.000	2.213

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	77.397%	1.071	0.714	78.952%	0.003	0.009	-0.055	-0.117
2	22:02:17	78.361%	0.787	0.658	79.110%	0.013	-0.007	-0.153	-0.189
3	22:02:58	78.182%	0.750	0.704	78.664%	0.003	0.009	0.115	0.085
x		77.980%	0.870	0.692	78.909%	0.006	0.004	-0.031	-0.074
σ		0.513%	0.176	0.030	0.226%	0.006	0.009	0.136	0.142
%RSD		0.657	20.190	4.311	0.287	85.700	257.800	440.600	192.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	78.770%	0.926	0.293	0.228	3.222	2.978	83.150%	83.874%
2	22:02:17	81.117%	0.729	0.290	0.288	2.744	2.831	84.456%	84.568%
3	22:02:58	80.607%	0.702	0.234	0.162	2.543	2.734	84.171%	85.085%
x		80.165%	0.786	0.272	0.226	2.836	2.848	83.926%	84.509%
σ		1.234%	0.123	0.033	0.063	0.349	0.123	0.687%	0.607%
%RSD		1.540	15.620	12.190	27.830	12.290	4.303	0.818	0.719

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	-0.001	0.010	0.086	0.106	0.072	84.273%
2	22:02:17	0.010	0.008	0.077	0.044	0.065	85.597%
3	22:02:58	0.010	0.014	0.055	0.055	0.064	86.154%
x		0.006	0.011	0.073	0.068	0.067	85.341%
σ		0.007	0.003	0.016	0.033	0.004	0.966%
%RSD		100.300	27.320	21.780	48.780	6.579	1.132

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	81.123%	50.040	945.900	936.000	0.000	50120.000	44210.000	44620.000
2	22:06:35	82.071%	49.830	961.600	955.900	0.000	50250.000	44840.000	45270.000
3	22:07:17	81.524%	51.560	978.500	957.200	0.000	50400.000	45160.000	45360.000
x		81.573%	50.470	962.000	949.700	0.000	50260.000	44740.000	45080.000
σ		0.476%	0.944	16.300	11.880	0.000	138.300	481.400	406.300
%RSD		0.583	1.871	1.695	1.251	0.000	0.275	1.076	0.901

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	1847.000	12380.000	0.000	52620.000	70900.000	71470.000	77.999%	982.600
2	22:06:35	1873.000	12620.000	0.000	52610.000	73550.000	73120.000	78.235%	1005.000
3	22:07:17	1884.000	12640.000	0.000	52260.000	70770.000	72490.000	78.943%	986.300
x		1868.000	12550.000	0.000	52500.000	71740.000	72360.000	78.392%	991.300
σ		19.000	143.200	0.000	206.300	1568.000	831.800	0.491%	11.920
%RSD		1.017	1.141	0.000	0.393	2.186	1.149	0.626	1.202

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	494.400	195.200	530.800	975.700	1301.000	489.500	495.900	248.400
2	22:06:35	504.200	197.700	537.000	991.700	1299.000	497.000	502.100	254.500
3	22:07:17	503.300	199.100	536.600	991.000	1314.000	495.900	500.900	251.200
x		500.600	197.400	534.800	986.100	1305.000	494.200	499.600	251.400
σ		5.396	1.971	3.487	9.066	8.040	4.022	3.316	3.059
%RSD		1.078	0.999	0.652	0.919	0.616	0.814	0.664	1.217

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	246.200	487.800	490.700	41.500	10.740	9.919	0.000	1130.000
2	22:06:35	255.300	485.000	491.200	41.130	10.680	8.737	0.000	1135.000
3	22:07:17	250.300	491.100	498.300	42.260	6.133	8.174	0.000	1132.000
x		250.600	488.000	493.400	41.630	9.187	8.943	0.000	1132.000
σ		4.533	3.083	4.262	0.576	2.644	0.890	0.000	2.359
%RSD		1.809	0.632	0.864	1.384	28.780	9.954	0.000	0.208

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	76.868%	1015.000	1022.000	75.515%	49.460	49.550	47.830	39.900
2	22:06:35	78.966%	1024.000	1025.000	77.717%	48.920	49.770	48.250	43.070
3	22:07:17	79.463%	1028.000	1036.000	77.967%	50.440	50.010	49.480	41.820
x		78.432%	1022.000	1028.000	77.066%	49.610	49.780	48.520	41.600
σ		1.378%	6.665	7.663	1.349%	0.772	0.229	0.857	1.597
%RSD		1.756	0.652	0.746	1.751	1.557	0.459	1.766	3.840

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	78.779%	2015.000	487.100	484.700	1975.000	1987.000	84.280%	85.910%
2	22:06:35	80.860%	2029.000	493.800	494.900	1974.000	1969.000	86.857%	88.968%
3	22:07:17	81.409%	2029.000	494.600	493.500	1967.000	1984.000	87.471%	88.832%
x		80.349%	2024.000	491.800	491.000	1972.000	1980.000	86.203%	87.903%
σ		1.388%	7.820	4.106	5.511	4.079	9.308	1.693%	1.727%
%RSD		1.727	0.386	0.835	1.122	0.207	0.470	1.964	1.965

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	48.650	49.160	19.700	20.380	20.150	85.719%
2	22:06:35	50.520	49.440	20.300	20.420	20.410	87.574%
3	22:07:17	50.910	50.110	20.590	20.690	20.610	87.919%
x		50.030	49.570	20.200	20.500	20.390	87.071%
σ		1.207	0.487	0.451	0.172	0.232	1.183%
%RSD		2.412	0.982	2.233	0.841	1.137	1.359

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	78.556%	52.030	961.400	957.300	0.000	50470.000	44730.000	44860.000
2	22:10:52	80.106%	47.620	948.200	948.200	0.000	49410.000	44320.000	44600.000
3	22:11:33	79.312%	47.430	970.200	959.800	0.000	50000.000	45010.000	45210.000
x		79.325%	49.030	959.900	955.100	0.000	49960.000	44690.000	44890.000
σ		0.775%	2.600	11.110	6.123	0.000	531.900	347.800	309.300
%RSD		0.978	5.304	1.157	0.641	0.000	1.065	0.778	0.689

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	1851.000	12440.000	0.000	52100.000	70370.000	70570.000	76.839%	974.800
2	22:10:52	1844.000	12380.000	0.000	51690.000	72190.000	71090.000	77.074%	981.700
3	22:11:33	1857.000	12430.000	0.000	51840.000	71400.000	71760.000	76.614%	989.800
x		1851.000	12420.000	0.000	51870.000	71320.000	71140.000	76.842%	982.100
σ		6.339	31.270	0.000	206.400	912.100	596.300	0.230%	7.512
%RSD		0.343	0.252	0.000	0.398	1.279	0.838	0.299	0.765

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	491.600	195.500	523.300	901.800	1220.000	486.600	488.000	245.900
2	22:10:52	490.100	195.100	519.800	903.300	1242.000	486.900	493.000	251.000
3	22:11:33	501.600	196.700	524.300	908.100	1214.000	487.200	496.300	246.800
x		494.400	195.700	522.500	904.400	1225.000	486.900	492.400	247.900
σ		6.278	0.823	2.347	3.299	15.110	0.314	4.203	2.753
%RSD		1.270	0.420	0.449	0.365	1.234	0.064	0.853	1.111

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	252.500	476.200	484.800	42.190	8.618	8.293	0.000	1094.000
2	22:10:52	251.000	485.600	485.300	39.850	8.607	10.100	0.000	1103.000
3	22:11:33	252.600	485.200	491.200	40.130	7.631	9.042	0.000	1107.000
x		252.000	482.300	487.100	40.720	8.285	9.143	0.000	1101.000
σ		0.912	5.291	3.539	1.276	0.566	0.906	0.000	6.430
%RSD		0.362	1.097	0.727	3.134	6.836	9.904	0.000	0.584

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	78.002%	1005.000	1018.000	75.396%	49.180	48.530	50.230	42.090
2	22:10:52	79.046%	1012.000	1023.000	76.775%	49.060	48.940	47.250	40.490
3	22:11:33	79.005%	1016.000	1024.000	76.977%	48.640	48.820	49.020	41.050
x		78.684%	1011.000	1021.000	76.382%	48.960	48.760	48.830	41.210
σ		0.591%	5.328	3.381	0.860%	0.281	0.210	1.497	0.812
%RSD		0.751	0.527	0.331	1.126	0.573	0.431	3.065	1.971

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	77.556%	2024.000	492.100	494.600	1959.000	1959.000	83.399%	85.567%
2	22:10:52	80.805%	2000.000	490.200	488.900	1907.000	1936.000	87.367%	88.407%
3	22:11:33	81.833%	1988.000	488.900	489.900	1941.000	1939.000	86.994%	88.649%
x		80.065%	2004.000	490.400	491.100	1936.000	1945.000	85.920%	87.541%
σ		2.232%	18.530	1.646	3.060	26.520	12.890	2.191%	1.714%
%RSD		2.788	0.925	0.336	0.623	1.370	0.663	2.550	1.958

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	49.820	49.450	20.400	20.020	20.310	84.271%
2	22:10:52	49.960	49.780	20.130	21.160	20.420	86.250%
3	22:11:33	50.480	49.630	20.730	20.480	20.580	86.674%
x		50.090	49.620	20.420	20.560	20.440	85.732%
σ		0.347	0.166	0.299	0.570	0.139	1.283%
%RSD		0.693	0.334	1.464	2.770	0.677	1.496

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	79.899%	-0.031	69.420	68.790	0.000	43050.000	18160.000	18200.000
2	22:15:07	81.181%	0.007	66.120	69.020	0.000	42770.000	18120.000	18220.000
3	22:15:48	80.186%	-0.031	65.220	66.880	0.000	43160.000	18510.000	18500.000
x		80.422%	-0.018	66.920	68.230	0.000	42990.000	18260.000	18310.000
σ		0.673%	0.022	2.213	1.177	0.000	200.300	216.100	169.200
%RSD		0.837	119.500	3.307	1.726	0.000	0.466	1.183	0.924

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	-1.225	10650.000	0.000	12750.000	93830.000	93040.000	77.255%	2.802
2	22:15:07	-2.262	10690.000	0.000	12700.000	92920.000	93180.000	78.597%	2.422
3	22:15:48	-2.186	10870.000	0.000	12800.000	94620.000	94040.000	78.650%	1.892
x		-1.891	10730.000	0.000	12750.000	93790.000	93420.000	78.167%	2.372
σ		0.578	119.100	0.000	52.970	846.100	542.400	0.790%	0.457
%RSD		30.570	1.110	0.000	0.415	0.902	0.581	1.011	19.270

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	0.491	0.531	980.700	46370.000	46170.000	0.238	3.667	0.824
2	22:15:07	0.428	0.380	981.500	45890.000	46320.000	0.187	3.475	0.872
3	22:15:48	0.309	0.479	1000.000	46340.000	46990.000	0.195	4.046	0.713
x		0.410	0.463	987.500	46200.000	46500.000	0.206	3.729	0.803
σ		0.092	0.077	11.050	269.300	436.400	0.027	0.291	0.081
%RSD		22.570	16.570	1.119	0.583	0.939	13.290	7.795	10.120

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	0.961	10.220	11.060	7.903	-0.333	-0.825	0.000	716.800
2	22:15:07	0.889	10.170	10.500	8.021	-2.028	-1.855	0.000	711.100
3	22:15:48	1.020	10.000	11.520	7.899	-0.428	-1.196	0.000	722.600
x		0.957	10.130	11.020	7.941	-0.930	-1.292	0.000	716.800
σ		0.065	0.114	0.510	0.069	0.953	0.522	0.000	5.743
%RSD		6.842	1.121	4.628	0.873	102.500	40.390	0.000	0.801

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	77.770%	8.684	8.910	76.636%	0.013	-0.007	0.075	-0.004
2	22:15:07	80.026%	6.216	5.927	78.134%	0.013	0.009	0.245	0.238
3	22:15:48	79.971%	4.667	4.824	78.814%	0.013	0.009	0.090	-0.007
x		79.256%	6.522	6.554	77.861%	0.013	0.003	0.137	0.076
σ		1.287%	2.026	2.114	1.114%	0.000	0.009	0.094	0.141
%RSD		1.624	31.070	32.250	1.431	2.196	264.600	68.860	185.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	80.022%	11.690	9.249	9.061	83.660	84.720	84.688%	86.416%
2	22:15:07	81.990%	7.390	6.389	6.101	84.650	82.720	87.065%	88.491%
3	22:15:48	82.324%	6.022	4.663	4.326	84.970	83.850	87.704%	88.244%
x		81.445%	8.366	6.767	6.496	84.420	83.760	86.486%	87.717%
σ		1.244%	2.956	2.316	2.392	0.683	1.004	1.589%	1.133%
%RSD		1.527	35.330	34.230	36.830	0.809	1.198	1.837	1.292

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	0.010	0.003	1.484	1.379	1.430	87.514%
2	22:15:07	-0.002	0.004	1.374	1.369	1.472	89.106%
3	22:15:48	-0.002	0.005	1.516	1.490	1.483	88.598%
x		0.002	0.004	1.458	1.413	1.462	88.406%
σ		0.007	0.001	0.074	0.067	0.028	0.814%
%RSD		372.700	25.210	5.107	4.758	1.930	0.920

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	82.366%	-0.031	193.300	188.800	0.000	44250.000	21380.000	21470.000
2	22:19:22	82.828%	0.006	188.200	190.200	0.000	44200.000	21470.000	21520.000
3	22:20:03	83.742%	0.042	187.800	188.100	0.000	43940.000	21550.000	21520.000
x		82.979%	0.006	189.700	189.000	0.000	44130.000	21470.000	21500.000
σ		0.700%	0.036	3.067	1.080	0.000	166.600	86.680	26.650
%RSD		0.844	622.800	1.617	0.572	0.000	0.378	0.404	0.124

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	152.000	8752.000	0.000	6425.000	68280.000	67650.000	80.820%	4.731
2	22:19:22	151.300	8821.000	0.000	6485.000	69140.000	67950.000	81.926%	5.045
3	22:20:03	151.700	8803.000	0.000	6514.000	69020.000	67480.000	81.928%	4.662
x		151.700	8792.000	0.000	6475.000	68810.000	67690.000	81.558%	4.813
σ		0.335	35.890	0.000	45.300	463.600	239.300	0.639%	0.204
%RSD		0.221	0.408	0.000	0.700	0.674	0.354	0.783	4.239

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	0.925	0.300	139.500	59820.000	59740.000	11.670	2.109	1.278
2	22:19:22	0.759	0.374	139.300	59000.000	59920.000	11.770	2.206	1.688
3	22:20:03	0.720	0.316	141.800	58930.000	60100.000	11.850	2.051	1.456
x		0.801	0.330	140.200	59250.000	59920.000	11.760	2.122	1.474
σ		0.109	0.039	1.350	493.800	178.900	0.094	0.078	0.206
%RSD		13.560	11.840	0.963	0.833	0.299	0.799	3.674	13.940

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	1.398	151.600	147.300	25.880	-0.974	-1.378	0.000	579.400
2	22:19:22	1.581	146.900	151.000	26.510	-0.082	1.559	0.000	581.200
3	22:20:03	1.529	148.500	148.800	27.360	-1.177	0.849	0.000	577.800
x		1.503	149.000	149.000	26.580	-0.744	0.344	0.000	579.500
σ		0.094	2.379	1.840	0.744	0.582	1.533	0.000	1.712
%RSD		6.245	1.596	1.235	2.799	78.250	446.000	0.000	0.295

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	81.062%	2.549	2.392	79.820%	0.003	0.003	0.079	0.063
2	22:19:22	82.729%	2.214	2.014	81.630%	0.012	-0.002	0.019	-0.033
3	22:20:03	83.711%	1.862	1.804	82.633%	0.003	0.003	0.203	0.081
x		82.501%	2.208	2.070	81.361%	0.006	0.001	0.100	0.037
σ		1.339%	0.344	0.298	1.426%	0.005	0.003	0.094	0.062
%RSD		1.623	15.560	14.390	1.752	89.190	202.200	93.510	166.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	81.427%	4.834	1.927	2.041	141.700	141.800	86.011%	87.714%
2	22:19:22	83.559%	4.053	1.617	1.750	140.000	142.400	89.652%	89.230%
3	22:20:03	85.104%	3.586	1.455	1.688	140.300	142.000	90.770%	91.232%
x		83.363%	4.158	1.666	1.826	140.700	142.100	88.811%	89.392%
σ		1.846%	0.631	0.240	0.189	0.910	0.307	2.488%	1.765%
%RSD		2.214	15.160	14.390	10.320	0.647	0.216	2.802	1.974

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	-0.013	0.013	1.587	1.663	1.589	87.091%
2	22:19:22	-0.011	0.012	1.517	1.559	1.544	89.557%
3	22:20:03	0.006	0.007	1.556	1.521	1.536	90.122%
x		-0.006	0.010	1.553	1.581	1.556	88.923%
σ		0.010	0.003	0.035	0.073	0.029	1.612%
%RSD		173.000	29.000	2.275	4.635	1.857	1.812

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	81.832%	0.007	224.500	219.500	0.000	78220.000	34360.000	34450.000
2	22:23:38	82.500%	-0.031	216.900	218.400	0.000	77550.000	34640.000	34750.000
3	22:24:19	85.304%	-0.031	209.600	207.700	0.000	75510.000	33900.000	34110.000
x		83.212%	-0.018	217.000	215.200	0.000	77090.000	34300.000	34440.000
σ		1.842%	0.021	7.464	6.535	0.000	1414.000	373.200	322.100
%RSD		2.214	117.600	3.440	3.037	0.000	1.835	1.088	0.935

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	0.207	8656.000	0.000	13920.000	85480.000	84810.000	81.006%	2.605
2	22:23:38	-0.190	8678.000	0.000	13900.000	86410.000	85630.000	81.736%	2.961
3	22:24:19	-0.317	8534.000	0.000	13640.000	84790.000	85130.000	83.224%	2.783
x		-0.100	8623.000	0.000	13820.000	85560.000	85190.000	81.989%	2.783
σ		0.273	77.460	0.000	156.200	814.000	417.500	1.130%	0.178
%RSD		273.100	0.898	0.000	1.131	0.951	0.490	1.379	6.409

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	0.893	0.100	229.900	57630.000	57670.000	4.249	1.116	0.768
2	22:23:38	0.709	0.027	231.500	57120.000	58320.000	4.299	0.732	0.726
3	22:24:19	0.799	-0.037	229.200	56270.000	57740.000	4.176	1.484	0.829
x		0.800	0.030	230.200	57010.000	57910.000	4.241	1.111	0.774
σ		0.092	0.068	1.192	684.000	357.900	0.062	0.376	0.051
%RSD		11.490	228.000	0.518	1.200	0.618	1.454	33.830	6.642

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	0.691	9.515	9.873	26.510	-1.831	0.202	0.000	576.800
2	22:23:38	0.596	10.230	10.530	27.410	-0.427	-0.177	0.000	584.700
3	22:24:19	0.810	9.255	10.700	27.770	-1.537	-0.756	0.000	581.600
x		0.699	9.667	10.370	27.230	-1.265	-0.244	0.000	581.100
σ		0.107	0.505	0.439	0.645	0.741	0.482	0.000	4.004
%RSD		15.330	5.227	4.237	2.368	58.560	197.700	0.000	0.689

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	81.460%	0.654	0.550	79.646%	-0.002	-0.007	0.080	0.018
2	22:23:38	82.438%	0.468	0.576	81.270%	0.003	0.003	0.023	-0.033
3	22:24:19	83.575%	0.329	0.573	82.273%	-0.006	0.003	-0.025	-0.117
x		82.491%	0.484	0.567	81.063%	-0.002	-0.000	0.026	-0.044
σ		1.059%	0.163	0.014	1.326%	0.005	0.006	0.053	0.068
%RSD		1.283	33.690	2.467	1.635	265.800	1910.000	201.500	154.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	81.926%	2.810	0.928	0.918	167.700	166.600	87.054%	88.675%
2	22:23:38	84.287%	2.421	0.915	0.967	162.500	162.700	90.249%	91.291%
3	22:24:19	84.937%	2.659	0.858	0.806	163.000	165.200	91.416%	91.436%
x		83.717%	2.630	0.900	0.897	164.400	164.900	89.573%	90.467%
σ		1.584%	0.197	0.037	0.082	2.859	1.995	2.258%	1.554%
%RSD		1.893	7.473	4.134	9.201	1.739	1.210	2.521	1.718

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	-0.008	0.003	0.410	0.348	0.375	88.001%
2	22:23:38	0.017	0.005	0.356	0.371	0.354	89.953%
3	22:24:19	0.000	-0.008	0.357	0.338	0.369	90.528%
x		0.003	-0.000	0.375	0.352	0.366	89.494%
σ		0.013	0.007	0.031	0.017	0.011	1.325%
%RSD		391.100	22580.000	8.198	4.786	2.886	1.480

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	81.939%	101.000	99.280	96.110	0.000	48310.000	41900.000	42260.000
2	22:30:49	83.037%	103.700	92.380	97.050	0.000	47710.000	42120.000	42400.000
3	22:31:31	84.512%	99.580	96.170	96.460	0.000	47240.000	42090.000	42200.000
x		83.163%	101.402%	95.943%	96.538%	0.000	95.506%	84.070%	84.571%
σ		1.291%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.552	2.042	3.599	0.491	0.000	1.129	0.275	0.245

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	471.200	4928.000	0.000	48410.000	48370.000	47520.000	82.719%	94.280
2	22:30:49	469.200	4941.000	0.000	47960.000	48000.000	47830.000	83.918%	101.000
3	22:31:31	470.400	4911.000	0.000	47600.000	47330.000	47600.000	85.789%	96.310
x		94.057%	98.532%	0.000	95.982%	95.796%	95.299%	84.142%	97.182%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.548%	n/a
%RSD		0.211	0.299	0.000	0.843	1.099	0.341	1.839	3.519

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	96.040	97.670	477.000	24660.000	24200.000	97.890	96.950	99.850
2	22:30:49	98.810	98.020	482.700	24310.000	24480.000	99.220	99.350	100.100
3	22:31:31	97.950	98.000	479.900	23920.000	24160.000	98.370	101.400	99.180
x		97.601%	97.895%	95.975%	97.194%	97.118%	98.494%	99.228%	99.694%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.457	0.203	0.592	1.521	0.707	0.685	2.237	0.463

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	99.400	101.800	100.100	99.590	97.070	96.810	0.000	97.480
2	22:30:49	100.100	99.080	104.700	99.230	96.310	98.200	0.000	97.750
3	22:31:31	97.780	100.800	99.390	99.580	106.300	103.100	0.000	96.720
x		99.092%	100.569%	101.411%	99.465%	99.891%	99.375%	0.000	97.315%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.202	1.379	2.839	0.209	5.566	3.337	0.000	0.548

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	82.846%	98.190	99.240	81.251%	96.560	98.100	96.480	96.180
2	22:30:49	84.581%	99.030	99.730	84.005%	98.660	98.740	96.620	97.810
3	22:31:31	86.919%	102.400	102.500	85.015%	97.780	97.790	97.680	96.510
x		84.782%	99.889%	100.474%	83.424%	97.665%	98.208%	96.927%	96.837%
σ		2.044%	n/a	n/a	1.948%	n/a	n/a	n/a	n/a
%RSD		2.411	2.259	1.724	2.335	1.078	0.496	0.679	0.890

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	83.430%	98.710	98.890	99.040	98.540	98.080	87.071%	88.299%
2	22:30:49	85.851%	100.100	99.400	100.800	99.250	98.170	89.843%	92.217%
3	22:31:31	88.624%	98.770	100.000	98.300	96.110	97.870	92.751%	93.332%
x		85.969%	99.189%	99.443%	99.394%	97.964%	98.044%	89.889%	91.283%
σ		2.599%	n/a	n/a	n/a	n/a	n/a	2.841%	2.643%
%RSD		3.023	0.791	0.585	1.320	1.679	0.157	3.160	2.896

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	98.090	97.360	97.800	97.580	97.470	87.137%
2	22:30:49	98.020	97.920	99.510	97.390	98.490	90.501%
3	22:31:31	99.320	98.760	98.870	99.380	99.070	91.855%
x		98.477%	98.014%	98.728%	98.116%	98.343%	89.831%
σ		n/a	n/a	n/a	n/a	n/a	2.429%
%RSD		0.742	0.720	0.878	1.124	0.823	2.704

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	85.953%	-0.031	2.300	2.996	0.000	-22.080	20.160	20.320
2	22:37:57	85.306%	-0.031	1.936	2.970	0.000	34.410	53.090	47.450
3	22:38:38	86.766%	0.040	4.687	3.392	0.000	7.979	43.450	40.490
x		86.009%	-0.007	2.974	3.119	0.000	6.770	38.900	36.090
σ		0.732%	0.041	1.495	0.236	0.000	28.260	16.930	14.090
%RSD		0.851	557.900	50.250	7.577	0.000	417.500	43.530	39.040

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	-1.665	4.548	0.000	21.600	23.190	46.340	86.041%	0.215
2	22:37:57	1.963	7.640	0.000	46.050	143.100	108.300	86.293%	0.394
3	22:38:38	0.726	5.406	0.000	31.390	81.300	88.630	85.368%	0.217
x		0.341	5.865	0.000	33.010	82.530	81.110	85.901%	0.275
σ		1.844	1.596	0.000	12.310	59.970	31.680	0.478%	0.103
%RSD		540.500	27.220	0.000	37.270	72.670	39.060	0.557	37.440

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	0.088	0.016	0.342	30.540	38.240	0.032	0.129	0.152
2	22:37:57	0.145	0.073	0.825	39.750	52.440	0.093	0.187	0.208
3	22:38:38	0.088	0.088	0.709	34.270	42.390	0.102	0.089	0.214
x		0.107	0.059	0.625	34.850	44.360	0.075	0.135	0.191
σ		0.033	0.038	0.252	4.630	7.300	0.038	0.049	0.034
%RSD		30.810	64.660	40.350	13.290	16.460	50.030	36.370	17.630

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	0.237	0.390	0.410	0.138	0.705	0.950	0.000	0.514
2	22:37:57	0.133	0.541	0.809	-0.020	-0.929	0.004	0.000	1.131
3	22:38:38	0.300	0.777	0.423	-0.128	-1.473	-1.265	0.000	0.833
x		0.223	0.569	0.547	-0.004	-0.566	-0.104	0.000	0.826
σ		0.084	0.195	0.227	0.133	1.134	1.111	0.000	0.309
%RSD		37.620	34.210	41.420	3793.000	200.500	1073.000	0.000	37.380

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	85.064%	0.210	0.366	86.085%	0.016	0.046	0.092	-0.004
2	22:37:57	85.895%	0.391	0.420	87.026%	0.051	0.065	0.216	0.108
3	22:38:38	85.104%	0.419	0.315	87.108%	0.042	0.045	0.102	0.021
x		85.355%	0.340	0.367	86.740%	0.036	0.052	0.137	0.042
σ		0.469%	0.114	0.052	0.568%	0.018	0.011	0.069	0.059
%RSD		0.549	33.450	14.230	0.655	50.210	20.920	50.120	142.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	85.320%	1.319	0.216	0.274	0.295	0.147	86.170%	87.538%
2	22:37:57	86.511%	1.426	0.266	0.226	0.569	0.668	87.498%	88.182%
3	22:38:38	87.062%	1.290	0.201	0.211	0.562	0.439	88.602%	88.548%
x		86.298%	1.345	0.228	0.237	0.475	0.418	87.423%	88.089%
σ		0.891%	0.072	0.034	0.033	0.156	0.261	1.218%	0.511%
%RSD		1.032	5.339	15.030	13.890	32.840	62.430	1.393	0.580

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	0.048	0.056	0.052	0.087	0.063	89.583%
2	22:37:57	0.075	0.102	0.065	0.090	0.085	90.393%
3	22:38:38	0.064	0.059	0.061	0.078	0.068	90.474%
x		0.062	0.072	0.059	0.085	0.072	90.150%
σ		0.014	0.026	0.007	0.006	0.012	0.493%
%RSD		21.810	35.460	11.160	7.120	16.070	0.547

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	78.977%	0.008	108.500	110.600	0.000	68940.000	10590.000	10570.000
2	22:42:15	80.452%	0.007	113.000	108.400	0.000	67960.000	10500.000	10520.000
3	22:42:56	81.386%	-0.031	107.600	110.700	0.000	67420.000	10430.000	10510.000
x		80.271%	-0.005	109.700	109.900	0.000	68110.000	10500.000	10530.000
σ		1.215%	0.022	2.914	1.283	0.000	774.300	79.500	35.100
%RSD		1.513	423.500	2.656	1.167	0.000	1.137	0.757	0.333

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	258.800	9569.000	0.000	10950.000	74130.000	74550.000	78.608%	13.190
2	22:42:15	258.800	9579.000	0.000	10820.000	74650.000	74590.000	79.362%	14.690
3	22:42:56	264.100	9484.000	0.000	10750.000	70360.000	74490.000	79.840%	12.190
x		260.600	9544.000	0.000	10840.000	73050.000	74540.000	79.270%	13.360
σ		3.064	51.870	0.000	101.500	2342.000	51.080	0.621%	1.258
%RSD		1.176	0.543	0.000	0.936	3.206	0.069	0.783	9.414

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	3.651	2.128	155.500	820.900	1098.000	0.587	1.543	10.000
2	22:42:15	3.720	1.903	156.300	822.900	1113.000	0.472	1.187	9.947
3	22:42:56	3.717	2.069	156.900	818.000	1090.000	0.561	1.532	10.310
x		3.696	2.033	156.200	820.600	1100.000	0.540	1.421	10.090
σ		0.039	0.116	0.713	2.497	11.440	0.060	0.202	0.195
%RSD		1.065	5.721	0.456	0.304	1.040	11.140	14.240	1.934

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	9.823	39.080	38.400	2.740	-0.517	0.910	0.000	466.500
2	22:42:15	9.770	40.490	40.160	3.139	-0.577	1.909	0.000	469.200
3	22:42:56	10.490	39.930	39.570	3.084	-1.101	-0.547	0.000	469.300
x		10.030	39.830	39.380	2.987	-0.732	0.757	0.000	468.300
σ		0.401	0.714	0.894	0.216	0.322	1.236	0.000	1.591
%RSD		3.995	1.791	2.271	7.239	43.960	163.100	0.000	0.340

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	78.975%	2.803	2.719	76.962%	0.008	-0.002	0.199	0.052
2	22:42:15	80.503%	2.999	2.652	78.498%	-0.002	-0.002	0.028	0.035
3	22:42:56	81.624%	2.934	2.688	79.166%	0.003	-0.002	0.003	-0.044
x		80.367%	2.912	2.686	78.209%	0.003	-0.002	0.077	0.015
σ		1.330%	0.100	0.033	1.130%	0.005	0.000	0.107	0.051
%RSD		1.654	3.433	1.243	1.445	152.800	5.609	139.100	351.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	79.465%	1.891	1.079	1.131	56.920	59.170	84.357%	85.087%
2	22:42:15	81.522%	2.088	1.102	1.068	58.640	60.500	86.739%	87.332%
3	22:42:56	83.291%	1.790	1.128	1.004	58.000	58.520	86.351%	88.885%
x		81.426%	1.923	1.103	1.067	57.850	59.400	85.816%	87.101%
σ		1.915%	0.152	0.024	0.064	0.870	1.007	1.278%	1.909%
%RSD		2.352	7.884	2.219	5.952	1.504	1.696	1.489	2.192

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	0.010	0.017	2.132	2.040	2.114	87.042%
2	22:42:15	0.010	0.012	2.199	2.231	2.183	87.755%
3	22:42:56	0.012	0.017	2.187	2.290	2.164	88.295%
x		0.011	0.015	2.173	2.187	2.154	87.698%
σ		0.001	0.003	0.036	0.131	0.035	0.628%
%RSD		13.380	17.640	1.639	5.973	1.647	0.717

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	84.522%	-0.031	82.970	90.000	0.000	53710.000	22140.000	22270.000
2	22:46:31	85.132%	-0.031	89.990	90.570	0.000	53900.000	22480.000	22510.000
3	22:47:12	85.908%	-0.031	85.750	87.200	0.000	53620.000	22550.000	22550.000
x		85.187%	-0.031	86.240	89.260	0.000	53740.000	22390.000	22440.000
σ		0.695%	0.000	3.539	1.804	0.000	139.500	218.400	155.300
%RSD		0.816	0.000	4.104	2.021	0.000	0.260	0.976	0.692

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	2.395	6257.000	0.000	3290.000	75340.000	74530.000	85.188%	3.206
2	22:46:31	2.473	6301.000	0.000	3316.000	75530.000	75030.000	86.885%	2.482
3	22:47:12	2.077	6340.000	0.000	3342.000	75620.000	75170.000	87.373%	2.705
x		2.315	6299.000	0.000	3316.000	75500.000	74910.000	86.482%	2.798
σ		0.210	41.610	0.000	26.400	146.600	338.200	1.147%	0.371
%RSD		9.071	0.661	0.000	0.796	0.194	0.451	1.326	13.250

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	0.981	0.230	762.700	89660.000	89240.000	0.241	1.322	0.630
2	22:46:31	0.828	0.228	765.100	88320.000	89950.000	0.196	1.175	0.622
3	22:47:12	0.918	0.202	768.500	88530.000	90650.000	0.229	1.162	0.721
x		0.909	0.220	765.400	88840.000	89950.000	0.222	1.220	0.658
σ		0.077	0.016	2.946	721.100	704.400	0.023	0.089	0.055
%RSD		8.472	7.200	0.385	0.812	0.783	10.310	7.305	8.348

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	0.730	7.843	8.034	13.250	-0.647	-0.517	0.000	394.200
2	22:46:31	0.525	8.235	9.323	12.860	-1.316	0.437	0.000	393.500
3	22:47:12	0.500	8.420	8.486	13.830	1.561	0.504	0.000	398.800
x		0.585	8.166	8.614	13.310	-0.134	0.141	0.000	395.500
σ		0.126	0.294	0.654	0.488	1.505	0.571	0.000	2.903
%RSD		21.620	3.606	7.593	3.662	1124.000	403.800	0.000	0.734

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	84.480%	0.131	0.251	82.671%	0.007	0.018	0.072	0.017
2	22:46:31	87.546%	0.003	0.154	86.159%	0.002	-0.007	0.005	0.037
3	22:47:12	88.199%	-0.024	0.053	86.884%	-0.002	0.002	-0.049	-0.107
x		86.742%	0.037	0.153	85.238%	0.003	0.004	0.009	-0.017
σ		1.986%	0.083	0.099	2.252%	0.005	0.013	0.061	0.078
%RSD		2.289	224.500	64.920	2.642	183.900	281.100	666.000	447.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	84.905%	2.809	0.355	0.357	123.600	123.200	88.608%	90.103%
2	22:46:31	87.209%	3.204	0.413	0.278	122.500	125.400	91.367%	92.888%
3	22:47:12	89.025%	3.203	0.370	0.332	123.000	123.800	93.749%	93.855%
x		87.046%	3.072	0.379	0.322	123.000	124.100	91.241%	92.282%
σ		2.065%	0.228	0.030	0.040	0.533	1.145	2.573%	1.948%
%RSD		2.372	7.417	7.858	12.520	0.434	0.922	2.820	2.111

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	0.009	-0.003	0.420	0.439	0.433	90.291%
2	22:46:31	0.005	0.009	0.378	0.430	0.427	92.782%
3	22:47:12	-0.003	0.006	0.442	0.387	0.427	93.109%
x		0.004	0.004	0.413	0.419	0.429	92.061%
σ		0.006	0.007	0.032	0.027	0.003	1.542%
%RSD		167.400	159.300	7.849	6.568	0.762	1.675

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	90.229%	-0.031	1.895	3.114	0.000	-55.490	-0.114	0.727
2	22:50:47	91.357%	-0.031	3.301	2.263	0.000	-56.250	-0.429	-0.095
3	22:51:28	92.725%	-0.031	3.715	2.452	0.000	-49.410	0.517	0.894
x		91.437%	-0.031	2.970	2.610	0.000	-53.710	-0.009	0.509
σ		1.250%	0.000	0.954	0.447	0.000	3.751	0.482	0.529
%RSD		1.367	0.000	32.120	17.130	0.000	6.983	5534.000	104.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	-4.480	17.980	0.000	-0.427	6.875	10.660	91.567%	0.083
2	22:50:47	-4.377	16.540	0.000	-1.180	16.460	11.270	92.724%	-0.031
3	22:51:28	-4.508	15.080	0.000	2.286	30.830	12.590	93.243%	0.080
x		-4.455	16.530	0.000	0.226	18.060	11.500	92.511%	0.044
σ		0.069	1.452	0.000	1.823	12.060	0.987	0.858%	0.065
%RSD		1.554	8.785	0.000	806.000	66.770	8.580	0.927	148.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	-0.062	-0.149	0.036	108.500	130.300	-0.018	0.043	0.272
2	22:50:47	-0.068	-0.199	0.016	42.400	58.430	-0.026	0.078	0.253
3	22:51:28	-0.051	-0.096	0.059	26.290	30.870	-0.005	0.096	0.222
x		-0.060	-0.148	0.037	59.060	73.210	-0.016	0.072	0.249
σ		0.008	0.052	0.022	43.560	51.350	0.011	0.027	0.025
%RSD		13.670	34.860	59.340	73.750	70.140	65.260	37.390	10.140

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	0.485	3.371	3.926	-0.313	-1.126	-1.365	0.000	0.017
2	22:50:47	0.455	3.702	4.150	-0.181	-0.864	-0.663	0.000	0.020
3	22:51:28	0.320	4.164	3.648	-0.209	-1.098	-0.257	0.000	0.044
x		0.420	3.746	3.908	-0.234	-1.029	-0.762	0.000	0.027
σ		0.088	0.399	0.252	0.070	0.144	0.561	0.000	0.015
%RSD		20.870	10.640	6.434	29.700	13.960	73.610	0.000	56.330

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	91.690%	-0.225	-0.103	93.565%	-0.002	-0.002	-0.028	-0.101
2	22:50:47	93.520%	-0.204	-0.127	94.856%	0.002	0.011	-0.009	-0.070
3	22:51:28	94.315%	-0.182	-0.121	95.552%	0.014	0.002	0.028	-0.028
x		93.175%	-0.204	-0.117	94.658%	0.004	0.003	-0.003	-0.066
σ		1.346%	0.021	0.013	1.008%	0.008	0.007	0.028	0.037
%RSD		1.444	10.560	10.770	1.065	192.400	203.600	1049.000	55.190

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	92.144%	0.802	0.143	0.115	-0.070	-0.009	93.505%	93.876%
2	22:50:47	93.981%	0.265	0.140	0.095	-0.047	0.018	94.457%	95.132%
3	22:51:28	95.757%	0.438	0.128	0.099	-0.025	0.044	95.551%	95.890%
x		93.961%	0.502	0.137	0.103	-0.047	0.017	94.504%	94.966%
σ		1.807%	0.274	0.008	0.011	0.022	0.026	1.024%	1.017%
%RSD		1.923	54.630	5.687	10.410	47.450	152.200	1.083	1.071

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	0.007	0.000	0.006	0.011	0.015	95.195%
2	22:50:47	-0.001	-0.006	-0.007	0.004	0.005	96.376%
3	22:51:28	-0.006	0.007	0.011	0.007	0.010	97.104%
x		-0.000	0.000	0.003	0.007	0.010	96.225%
σ		0.007	0.007	0.010	0.004	0.005	0.963%
%RSD		9076.000	1722.000	298.500	53.030	48.860	1.001

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	92.140%	-0.031	1.600	2.242	0.000	78.480	9.583	9.609
2	22:55:04	91.851%	-0.031	1.607	1.921	0.000	79.320	10.220	8.653
3	22:55:46	92.356%	-0.031	2.786	2.072	0.000	80.430	7.688	9.455
x		92.116%	-0.031	1.998	2.078	0.000	79.410	9.164	9.239
σ		0.254%	0.000	0.683	0.161	0.000	0.980	1.318	0.513
%RSD		0.275	0.000	34.180	7.723	0.000	1.234	14.380	5.554

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	-0.787	17.440	0.000	32.970	241.200	213.900	92.147%	0.307
2	22:55:04	-0.160	19.340	0.000	32.880	148.200	205.600	92.325%	0.532
3	22:55:46	-0.729	18.150	0.000	33.980	236.600	213.100	91.993%	0.139
x		-0.559	18.310	0.000	33.280	208.700	210.800	92.155%	0.326
σ		0.346	0.959	0.000	0.612	52.450	4.588	0.166%	0.197
%RSD		62.010	5.238	0.000	1.839	25.140	2.176	0.180	60.520

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	0.037	0.215	0.429	30.970	38.310	-0.004	0.640	0.727
2	22:55:04	-0.024	0.174	0.402	25.630	34.780	0.003	0.716	1.164
3	22:55:46	-0.088	0.169	0.425	23.350	30.180	-0.008	0.905	0.675
x		-0.025	0.186	0.419	26.650	34.420	-0.003	0.754	0.856
σ		0.063	0.025	0.014	3.908	4.077	0.005	0.136	0.269
%RSD		249.300	13.630	3.451	14.670	11.850	179.700	18.090	31.410

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	0.881	6.764	5.910	-0.184	-0.902	-0.796	0.000	0.325
2	22:55:04	0.843	6.493	6.003	0.048	-1.542	0.267	0.000	0.297
3	22:55:46	1.072	6.887	6.479	-0.205	1.044	-0.447	0.000	0.386
x		0.932	6.715	6.131	-0.114	-0.467	-0.325	0.000	0.336
σ		0.123	0.201	0.305	0.140	1.347	0.542	0.000	0.045
%RSD		13.200	2.998	4.972	123.500	288.600	166.700	0.000	13.520

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	91.113%	-0.083	-0.093	91.873%	-0.002	-0.002	0.159	0.060
2	22:55:04	90.875%	0.104	-0.043	92.462%	-0.006	0.007	0.013	-0.002
3	22:55:46	90.810%	-0.130	-0.129	92.627%	0.002	-0.007	0.150	0.082
x		90.933%	-0.036	-0.088	92.321%	-0.002	-0.001	0.107	0.047
σ		0.159%	0.124	0.043	0.397%	0.004	0.007	0.082	0.044
%RSD		0.175	341.900	48.850	0.430	181.900	740.000	76.110	93.550

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	91.080%	1.328	0.113	0.111	0.174	0.249	91.115%	92.000%
2	22:55:04	91.505%	1.555	0.130	0.105	0.172	0.119	91.918%	92.856%
3	22:55:46	91.509%	1.290	0.139	0.086	0.026	0.104	93.615%	92.779%
x		91.365%	1.391	0.127	0.101	0.124	0.157	92.216%	92.545%
σ		0.247%	0.143	0.014	0.013	0.085	0.080	1.276%	0.473%
%RSD		0.270	10.310	10.680	12.870	68.360	50.800	1.384	0.512

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	0.002	0.001	0.042	0.093	0.085	93.914%
2	22:55:04	-0.003	0.000	0.077	0.070	0.094	94.501%
3	22:55:46	-0.014	-0.003	0.081	0.056	0.079	93.623%
x		-0.005	-0.001	0.067	0.073	0.086	94.013%
σ		0.008	0.002	0.022	0.019	0.008	0.447%
%RSD		164.700	316.800	32.340	25.350	8.926	0.475

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	88.555%	-0.031	0.733	0.959	0.000	-59.920	-2.576	-1.941
2	23:02:54	89.436%	-0.031	0.846	0.652	0.000	-56.620	-2.189	-1.839
3	23:03:36	89.057%	-0.031	1.733	1.501	0.000	-52.330	-0.316	0.579
x		89.016%	-0.031	1.104	1.037	0.000	-56.290	-1.694	-1.067
σ		0.442%	0.000	0.548	0.430	0.000	3.805	1.209	1.426
%RSD		0.496	0.000	49.620	41.420	0.000	6.759	71.390	133.600
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	-4.967	5.901	0.000	24.430	-2.960	-3.463	79.495%	-0.022
2	23:02:54	-5.030	2.611	0.000	24.630	-2.960	-1.969	78.249%	-0.021
3	23:03:36	-4.524	4.617	0.000	24.740	8.600	3.723	77.314%	-0.087
x		-4.840	4.376	0.000	24.600	0.893	-0.570	78.353%	-0.043
σ		0.276	1.658	0.000	0.157	6.674	3.792	1.094%	0.038
%RSD		5.698	37.890	0.000	0.638	747.200	665.800	1.396	87.480
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	-0.278	0.038	-0.052	3.473	6.571	-0.008	0.121	0.285
2	23:02:54	-0.098	0.039	-0.051	2.331	6.074	-0.020	0.080	0.222
3	23:03:36	-0.880	0.006	0.018	4.249	8.779	-0.007	0.082	0.110
x		-0.419	0.028	-0.029	3.351	7.141	-0.012	0.094	0.205
σ		0.410	0.019	0.040	0.965	1.440	0.007	0.023	0.089
%RSD		97.840	66.600	140.700	28.800	20.160	60.190	24.710	43.230
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	0.382	0.091	-0.012	0.381	-0.457	-0.458	0.000	-0.048
2	23:02:54	0.129	0.052	0.135	-0.029	-1.637	-0.309	0.000	-0.045
3	23:03:36	0.444	-0.091	-0.071	-0.605	-0.489	0.277	0.000	0.044
x		0.318	0.018	0.017	-0.084	-0.861	-0.164	0.000	-0.016
σ		0.167	0.096	0.106	0.495	0.672	0.388	0.000	0.052
%RSD		52.350	546.300	617.600	587.600	78.090	237.300	0.000	323.200
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	80.531%	-0.251	-0.178	80.724%	-0.006	-0.007	0.107	0.012
2	23:02:54	79.183%	-0.210	-0.177	80.507%	-0.002	0.008	-0.178	-0.197
3	23:03:36	78.602%	-0.128	-0.143	79.508%	-0.002	0.003	-0.090	-0.018
x		79.438%	-0.196	-0.166	80.246%	-0.003	0.002	-0.054	-0.068
σ		0.990%	0.063	0.020	0.649%	0.003	0.008	0.146	0.113
%RSD		1.246	32.090	12.150	0.808	83.950	488.300	271.800	166.500
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	81.352%	5.481	0.066	0.081	-0.064	-0.034	84.814%	85.368%
2	23:02:54	81.769%	4.233	0.086	0.034	-0.037	-0.050	83.621%	84.896%
3	23:03:36	81.255%	4.425	0.092	0.074	0.097	-0.002	83.673%	84.836%
x		81.459%	4.713	0.081	0.063	-0.001	-0.029	84.036%	85.033%
σ		0.273%	0.672	0.014	0.025	0.086	0.024	0.675%	0.292%
%RSD		0.335	14.260	17.000	40.330	7183.000	84.690	0.803	0.343
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:02:13	-0.008	-0.008	0.008	-0.017	-0.000	89.708%		
2	23:02:54	0.007	0.002	-0.009	-0.001	-0.001	87.362%		
3	23:03:36	-0.004	-0.001	-0.005	0.019	0.000	86.619%		
x		-0.002	-0.002	-0.002	-0.000	-0.000	87.896%		
σ		0.008	0.005	0.009	0.018	0.001	1.613%		
%RSD		436.000	211.600	410.500	120000.000	240.800	1.835		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	93.104%	51.460	1009.000	958.100	0.000	44830.000	38610.000	39060.000
2	23:07:13	96.731%	49.570	1012.000	964.000	0.000	43940.000	38850.000	39000.000
3	23:07:54	97.636%	51.400	1007.000	963.000	0.000	43850.000	38900.000	39070.000
x		95.824%	50.810	1010.000	961.700	0.000	44210.000	38790.000	39040.000
σ		2.398%	1.074	2.564	3.172	0.000	545.300	154.700	36.800
%RSD		2.503	2.114	0.254	0.330	0.000	1.234	0.399	0.094

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	1742.000	8821.000	0.000	47030.000	46630.000	46270.000	71.885%	951.200
2	23:07:13	1735.000	8791.000	0.000	46310.000	47190.000	46430.000	73.604%	944.400
3	23:07:54	1738.000	8792.000	0.000	46000.000	46870.000	46430.000	74.444%	940.300
x		1738.000	8801.000	0.000	46440.000	46900.000	46380.000	73.311%	945.300
σ		3.199	17.050	0.000	528.700	282.300	88.550	1.305%	5.490
%RSD		0.184	0.194	0.000	1.138	0.602	0.191	1.780	0.581

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	477.900	197.800	477.900	818.200	1077.000	480.200	478.300	236.700
2	23:07:13	475.000	198.100	481.800	814.400	1063.000	482.900	472.000	239.500
3	23:07:54	473.400	197.000	481.800	816.400	1081.000	482.800	482.300	237.700
x		475.400	197.600	480.500	816.300	1074.000	482.000	477.500	238.000
σ		2.308	0.586	2.242	1.927	9.368	1.515	5.195	1.415
%RSD		0.485	0.297	0.467	0.236	0.873	0.314	1.088	0.595

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	232.700	481.200	496.100	35.430	11.630	7.704	0.000	945.600
2	23:07:13	238.600	486.900	489.100	37.550	8.502	9.950	0.000	950.500
3	23:07:54	239.800	493.900	491.600	35.550	7.351	7.180	0.000	958.600
x		237.000	487.300	492.300	36.180	9.162	8.278	0.000	951.600
σ		3.788	6.362	3.556	1.191	2.216	1.471	0.000	6.549
%RSD		1.598	1.306	0.723	3.293	24.180	17.770	0.000	0.688

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	72.262%	987.800	997.600	70.232%	48.970	48.670	49.200	41.650
2	23:07:13	74.856%	990.800	999.200	73.241%	49.280	47.440	51.070	40.420
3	23:07:54	75.432%	997.900	1004.000	74.519%	49.170	47.280	49.030	40.560
x		74.183%	992.200	1000.000	72.664%	49.140	47.800	49.770	40.880
σ		1.688%	5.177	3.186	2.201%	0.157	0.762	1.133	0.673
%RSD		2.276	0.522	0.319	3.029	0.318	1.594	2.276	1.646

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	74.037%	1952.000	484.000	481.600	1905.000	1892.000	80.512%	81.779%
2	23:07:13	77.125%	1963.000	487.900	482.600	1901.000	1903.000	83.837%	85.628%
3	23:07:54	79.687%	1921.000	482.700	484.600	1895.000	1876.000	85.797%	86.995%
x		76.950%	1946.000	484.900	483.000	1900.000	1890.000	83.382%	84.801%
σ		2.829%	21.670	2.669	1.533	5.230	13.240	2.672%	2.704%
%RSD		3.677	1.114	0.550	0.317	0.275	0.701	3.205	3.189

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	48.140	47.950	20.380	20.180	20.330	79.853%
2	23:07:13	48.640	48.610	20.260	19.670	20.180	83.646%
3	23:07:54	49.510	48.320	20.210	20.420	20.080	86.288%
x		48.760	48.290	20.280	20.090	20.190	83.262%
σ		0.691	0.329	0.085	0.384	0.127	3.235%
%RSD		1.417	0.681	0.417	1.910	0.628	3.885

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	100.670%	-0.031	92.100	85.770	0.000	103500.000	34270.000	34650.000
2	23:11:31	104.042%	-0.001	86.760	88.360	0.000	102400.000	34510.000	34840.000
3	23:12:12	107.332%	-0.031	95.710	86.290	0.000	101600.000	34410.000	34550.000
x		104.014%	-0.021	91.520	86.810	0.000	102500.000	34390.000	34680.000
σ		3.331%	0.017	4.502	1.371	0.000	974.500	119.300	145.300
%RSD		3.202	83.750	4.919	1.579	0.000	0.951	0.347	0.419

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	-1.952	6234.000	0.000	10220.000	124200.000	124600.000	76.795%	2.009
2	23:11:31	-2.783	6261.000	0.000	10200.000	125400.000	126000.000	78.050%	1.775
3	23:12:12	-3.261	6242.000	0.000	10140.000	132000.000	126100.000	78.677%	1.959
x		-2.665	6246.000	0.000	10190.000	127200.000	125600.000	77.841%	1.914
σ		0.663	13.510	0.000	43.300	4181.000	859.900	0.959%	0.123
%RSD		24.860	0.216	0.000	0.425	3.286	0.685	1.232	6.446

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	-9.172	2.149	71.920	886.700	1253.000	0.423	1.238	2.011
2	23:11:31	-9.851	2.303	73.050	895.700	1247.000	0.356	1.400	1.714
3	23:12:12	-11.550	2.457	72.650	894.800	1240.000	0.370	1.627	1.874
x		-10.190	2.303	72.540	892.400	1247.000	0.383	1.422	1.866
σ		1.224	0.154	0.574	4.963	6.517	0.036	0.196	0.148
%RSD		12.010	6.698	0.792	0.556	0.523	9.307	13.760	7.949

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	2.188	10.900	12.250	-1.456	9.166	7.980	0.000	437.100
2	23:11:31	2.552	10.990	11.790	0.604	6.581	7.114	0.000	437.800
3	23:12:12	2.014	12.380	11.860	2.049	5.691	6.610	0.000	436.800
x		2.251	11.420	11.970	0.399	7.146	7.235	0.000	437.200
σ		0.275	0.829	0.245	1.762	1.805	0.693	0.000	0.502
%RSD		12.200	7.258	2.050	441.600	25.260	9.576	0.000	0.115

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	76.690%	3.599	3.295	73.688%	0.004	-0.002	-0.113	-0.218
2	23:11:31	78.999%	1.991	2.250	75.939%	-0.002	0.004	-0.009	-0.191
3	23:12:12	78.990%	1.544	1.246	76.377%	0.003	0.009	-0.114	-0.166
x		78.226%	2.378	2.264	75.334%	0.002	0.004	-0.079	-0.191
σ		1.331%	1.081	1.024	1.443%	0.003	0.005	0.060	0.026
%RSD		1.701	45.460	45.250	1.915	158.800	142.800	76.270	13.640

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	78.994%	16.360	0.344	0.342	10.030	11.100	86.131%	86.416%
2	23:11:31	82.383%	12.520	0.294	0.223	10.530	10.300	87.983%	89.494%
3	23:12:12	82.099%	10.600	0.233	0.210	9.727	10.570	88.328%	90.159%
x		81.159%	13.160	0.290	0.259	10.100	10.660	87.481%	88.690%
σ		1.880%	2.932	0.055	0.073	0.407	0.404	1.181%	1.997%
%RSD		2.317	22.280	19.060	28.100	4.029	3.794	1.350	2.251

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	0.375	0.441	0.070	0.105	0.084	81.970%
2	23:11:31	0.289	0.260	0.097	0.047	0.087	86.487%
3	23:12:12	0.203	0.216	0.073	0.059	0.084	86.067%
x		0.289	0.305	0.080	0.070	0.085	84.841%
σ		0.086	0.119	0.015	0.031	0.002	2.496%
%RSD		29.680	39.040	18.510	43.930	2.192	2.942

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	88.659%	0.004	46.630	47.510	0.000	62500.000	35930.000	36160.000
2	23:15:49	89.125%	-0.031	47.910	48.810	0.000	62060.000	36070.000	36110.000
3	23:16:31	88.700%	-0.031	47.750	50.270	0.000	61600.000	35920.000	36070.000
x		88.828%	-0.019	47.430	48.860	0.000	62050.000	35980.000	36110.000
σ		0.258%	0.020	0.694	1.384	0.000	452.700	83.920	41.110
%RSD		0.291	106.800	1.464	2.832	0.000	0.730	0.233	0.114

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	4.161	9331.000	0.000	1542.000	39600.000	38840.000	68.573%	2.183
2	23:15:49	3.786	9315.000	0.000	1537.000	40220.000	38950.000	68.962%	2.696
3	23:16:31	3.788	9273.000	0.000	1535.000	39770.000	39020.000	68.729%	1.724
x		3.912	9306.000	0.000	1538.000	39860.000	38940.000	68.755%	2.201
σ		0.216	30.100	0.000	3.545	319.800	95.640	0.196%	0.486
%RSD		5.518	0.323	0.000	0.230	0.802	0.246	0.284	22.090

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	-4.085	0.734	432.900	24610.000	24750.000	0.827	0.807	1.786
2	23:15:49	-5.107	0.798	435.400	24360.000	24730.000	0.762	0.370	2.204
3	23:16:31	-5.965	0.692	432.200	24190.000	24700.000	0.722	0.451	2.221
x		-5.053	0.741	433.500	24380.000	24730.000	0.770	0.543	2.070
σ		0.941	0.054	1.663	211.900	22.070	0.053	0.233	0.246
%RSD		18.630	7.217	0.384	0.869	0.089	6.934	42.880	11.900

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	1.616	6.586	6.586	4.193	-1.146	0.359	0.000	301.700
2	23:15:49	1.518	5.863	6.428	1.019	-0.083	-0.891	0.000	299.400
3	23:16:31	1.720	6.206	5.600	3.200	-0.636	-0.477	0.000	301.500
x		1.618	6.218	6.205	2.804	-0.622	-0.336	0.000	300.800
σ		0.101	0.362	0.529	1.623	0.532	0.636	0.000	1.265
%RSD		6.243	5.813	8.533	57.900	85.550	189.300	0.000	0.421

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	69.427%	1.839	1.982	68.904%	0.010	-0.001	0.045	-0.139
2	23:15:49	70.898%	1.843	2.098	70.120%	0.004	-0.001	0.028	-0.072
3	23:16:31	70.871%	1.918	1.630	70.197%	0.010	-0.007	0.023	-0.061
x		70.399%	1.866	1.903	69.740%	0.008	-0.003	0.032	-0.090
σ		0.842%	0.045	0.244	0.725%	0.003	0.003	0.011	0.042
%RSD		1.196	2.401	12.800	1.040	39.940	108.500	35.680	46.570

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	73.013%	9.741	0.253	0.189	589.200	581.900	78.963%	80.487%
2	23:15:49	74.333%	8.705	0.152	0.134	591.600	581.800	81.543%	82.678%
3	23:16:31	75.049%	8.440	0.173	0.161	593.500	581.900	81.283%	83.346%
x		74.132%	8.962	0.193	0.161	591.400	581.900	80.597%	82.170%
σ		1.033%	0.687	0.053	0.028	2.201	0.051	1.420%	1.495%
%RSD		1.393	7.668	27.690	17.090	0.372	0.009	1.762	1.820

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	0.175	0.123	0.164	0.168	0.164	78.599%
2	23:15:49	0.117	0.090	0.170	0.155	0.159	80.759%
3	23:16:31	0.085	0.067	0.149	0.102	0.159	81.798%
x		0.126	0.093	0.161	0.142	0.161	80.385%
σ		0.046	0.028	0.011	0.035	0.003	1.632%
%RSD		36.270	30.330	6.732	24.890	1.695	2.031

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	92.829%	0.070	81.130	82.390	0.000	40510.000	16300.000	16370.000
2	23:20:06	96.133%	0.067	89.930	83.210	0.000	40380.000	16450.000	16510.000
3	23:20:47	97.209%	0.066	89.090	82.100	0.000	40690.000	16610.000	16640.000
x		95.390%	0.067	86.720	82.570	0.000	40530.000	16450.000	16510.000
σ		2.282%	0.002	4.858	0.574	0.000	156.700	154.000	136.200
%RSD		2.393	3.374	5.602	0.695	0.000	0.387	0.936	0.825

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	43.940	5063.000	0.000	3976.000	44400.000	43100.000	70.847%	1.303
2	23:20:06	44.860	5076.000	0.000	4028.000	44710.000	43660.000	72.304%	1.633
3	23:20:47	45.150	5117.000	0.000	4038.000	44840.000	43650.000	72.807%	1.763
x		44.650	5085.000	0.000	4014.000	44650.000	43470.000	71.986%	1.567
σ		0.630	28.070	0.000	33.340	227.700	321.800	1.018%	0.237
%RSD		1.411	0.552	0.000	0.831	0.510	0.740	1.414	15.150

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	-5.891	2.650	16.940	73.340	142.400	0.624	3.878	2.016
2	23:20:06	-4.529	2.990	17.640	65.990	137.900	0.579	2.944	2.162
3	23:20:47	-7.517	3.043	17.930	64.180	137.700	0.551	3.423	2.272
x		-5.979	2.894	17.500	67.840	139.300	0.585	3.415	2.150
σ		1.495	0.214	0.511	4.847	2.650	0.036	0.467	0.128
%RSD		25.010	7.382	2.918	7.145	1.902	6.216	13.680	5.964

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	1.914	20.540	22.000	-1.097	-0.365	-0.247	0.000	202.800
2	23:20:06	2.105	21.430	23.070	0.468	0.878	0.654	0.000	206.400
3	23:20:47	1.593	20.450	21.460	-0.529	-1.393	-1.154	0.000	204.300
x		1.871	20.800	22.180	-0.386	-0.294	-0.249	0.000	204.500
σ		0.259	0.543	0.819	0.793	1.137	0.904	0.000	1.815
%RSD		13.850	2.608	3.692	205.200	387.400	363.300	0.000	0.887

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	73.872%	0.155	0.018	71.216%	-0.001	-0.007	0.127	0.052
2	23:20:06	75.285%	-0.129	0.039	72.538%	-0.001	-0.001	0.088	0.091
3	23:20:47	76.421%	0.011	-0.063	73.512%	-0.001	0.004	-0.166	-0.071
x		75.193%	0.012	-0.002	72.422%	-0.001	-0.001	0.016	0.024
σ		1.277%	0.142	0.054	1.153%	0.000	0.005	0.159	0.085
%RSD		1.698	1183.000	3033.000	1.592	7.291	368.900	972.000	355.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	75.592%	5.024	0.050	0.088	78.080	76.030	82.290%	82.510%
2	23:20:06	77.803%	5.821	0.166	0.141	76.470	76.850	83.689%	85.430%
3	23:20:47	78.925%	4.781	0.127	0.097	79.370	78.020	84.677%	86.179%
x		77.440%	5.209	0.114	0.109	77.970	76.970	83.552%	84.706%
σ		1.696%	0.544	0.059	0.028	1.455	1.000	1.199%	1.939%
%RSD		2.190	10.450	52.020	25.720	1.866	1.300	1.435	2.289

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	0.078	0.063	0.107	0.087	0.089	79.871%
2	23:20:06	0.061	0.055	0.050	0.065	0.073	84.036%
3	23:20:47	0.064	0.048	0.064	0.090	0.078	83.781%
x		0.068	0.055	0.074	0.081	0.080	82.563%
σ		0.009	0.008	0.030	0.014	0.008	2.335%
%RSD		13.020	14.430	40.310	16.830	10.510	2.828

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	101.459%	-0.031	115.600	109.900	0.000	269700.000	45060.000	45190.000
2	23:24:21	104.073%	-0.031	117.200	110.500	0.000	266800.000	45500.000	45700.000
3	23:25:03	104.915%	-0.031	119.300	114.800	0.000	265600.000	45530.000	45780.000
x		103.482%	-0.031	117.400	111.700	0.000	267400.000	45360.000	45560.000
σ		1.802%	0.000	1.864	2.710	0.000	2145.000	261.500	322.500
%RSD		1.741	0.000	1.588	2.425	0.000	0.802	0.577	0.708

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	-3.470	3676.000	0.000	13190.000	200900.000	204700.000	75.984%	0.870
2	23:24:21	-3.941	3680.000	0.000	13070.000	203700.000	208400.000	77.150%	0.720
3	23:25:03	-3.975	3660.000	0.000	12960.000	201800.000	208400.000	77.676%	0.715
x		-3.795	3672.000	0.000	13070.000	202100.000	207200.000	76.937%	0.768
σ		0.282	10.930	0.000	115.300	1407.000	2113.000	0.866%	0.088
%RSD		7.438	0.298	0.000	0.882	0.696	1.020	1.126	11.440

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	-6.897	2.897	24.520	27.420	284.200	0.235	8.062	3.032
2	23:24:21	-9.042	3.159	25.010	27.790	263.700	0.276	7.925	2.307
3	23:25:03	-8.944	3.201	24.860	28.170	276.800	0.258	8.171	2.185
x		-8.294	3.086	24.790	27.790	274.900	0.256	8.053	2.508
σ		1.211	0.165	0.249	0.377	10.390	0.021	0.123	0.458
%RSD		14.600	5.332	1.003	1.355	3.780	8.154	1.532	18.250

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	2.196	4.861	5.231	-1.295	0.930	1.254	0.000	764.600
2	23:24:21	2.036	5.401	6.873	0.115	0.944	1.294	0.000	770.000
3	23:25:03	2.446	5.591	5.745	-1.577	1.425	0.806	0.000	772.900
x		2.226	5.284	5.950	-0.919	1.100	1.118	0.000	769.200
σ		0.206	0.379	0.840	0.907	0.282	0.271	0.000	4.193
%RSD		9.272	7.174	14.110	98.670	25.610	24.240	0.000	0.545

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	75.586%	0.062	0.089	71.047%	0.004	0.004	0.237	0.231
2	23:24:21	77.504%	-0.005	0.087	73.120%	0.004	0.010	0.170	0.094
3	23:25:03	77.806%	0.049	0.188	73.951%	-0.006	-0.002	0.181	0.126
x		76.965%	0.035	0.121	72.706%	0.000	0.004	0.196	0.150
σ		1.204%	0.036	0.058	1.496%	0.006	0.006	0.036	0.072
%RSD		1.565	101.100	47.890	2.057	1256.000	134.800	18.330	47.780

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	76.634%	5.320	0.092	0.101	246.300	241.000	83.533%	83.952%
2	23:24:21	78.316%	5.761	0.159	0.077	248.800	245.800	86.318%	86.861%
3	23:25:03	79.062%	5.634	0.083	0.069	248.200	246.700	87.249%	88.884%
x		78.004%	5.572	0.112	0.082	247.700	244.500	85.700%	86.566%
σ		1.243%	0.227	0.041	0.016	1.325	3.083	1.933%	2.479%
%RSD		1.594	4.075	37.140	19.940	0.535	1.261	2.256	2.864

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	0.058	0.059	0.040	0.033	0.033	77.417%
2	23:24:21	0.039	0.037	0.033	0.021	0.034	81.827%
3	23:25:03	0.032	0.054	0.029	0.012	0.036	82.609%
x		0.043	0.050	0.034	0.022	0.034	80.618%
σ		0.013	0.012	0.006	0.010	0.002	2.799%
%RSD		31.300	23.770	17.100	46.100	4.498	3.472

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	75.630%	104.500	96.980	92.790	0.000	47810.000	41230.000	41500.000
2	23:31:27	79.028%	102.800	98.820	95.020	0.000	47110.000	41060.000	41260.000
3	23:32:09	79.050%	104.100	88.260	97.770	0.000	47120.000	41490.000	41760.000
x		77.903%	103.793%	94.688%	95.194%	0.000	94.694%	82.517%	83.018%
σ		1.968%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.527	0.864	5.957	2.616	0.000	0.838	0.523	0.604

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	460.300	4821.000	0.000	48280.000	47040.000	47200.000	73.529%	97.780
2	23:31:27	455.900	4854.000	0.000	47870.000	48420.000	47150.000	75.489%	96.370
3	23:32:09	463.300	4864.000	0.000	47820.000	47540.000	47330.000	76.985%	104.000
x		91.968%	96.928%	0.000	95.984%	95.334%	94.455%	75.334%	99.383%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.734%	n/a
%RSD		0.808	0.470	0.000	0.524	1.460	0.200	2.301	4.088

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	94.490	96.690	476.600	24450.000	24110.000	98.210	97.460	101.000
2	23:31:27	95.930	98.250	479.600	24290.000	24350.000	99.220	100.800	101.600
3	23:32:09	97.180	98.960	481.500	24260.000	24490.000	98.520	99.670	103.200
x		95.865%	97.964%	95.849%	97.329%	97.255%	98.648%	99.320%	101.922%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.404	1.183	0.524	0.415	0.791	0.526	1.728	1.088

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	100.000	102.300	103.200	99.420	87.740	98.000	0.000	97.360
2	23:31:27	100.400	101.100	102.200	98.150	100.100	97.550	0.000	97.120
3	23:32:09	103.300	100.600	98.550	100.700	97.740	102.000	0.000	96.720
x		101.258%	101.310%	101.305%	99.435%	95.191%	99.169%	0.000	97.070%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.785	0.846	2.400	1.298	6.888	2.446	0.000	0.332

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	74.215%	97.940	98.310	73.337%	97.450	98.300	97.630	97.310
2	23:31:27	76.919%	98.020	102.400	75.987%	97.770	98.720	98.300	96.710
3	23:32:09	78.385%	102.300	101.300	77.765%	98.270	98.620	99.890	97.010
x		76.507%	99.429%	100.686%	75.696%	97.834%	98.547%	98.608%	97.010%
σ		2.115%	n/a	n/a	2.229%	n/a	n/a	n/a	n/a
%RSD		2.765	2.523	2.109	2.944	0.422	0.225	1.180	0.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	76.458%	98.990	98.500	98.360	95.990	96.180	80.706%	80.768%
2	23:31:27	79.218%	99.770	99.350	97.970	97.050	96.740	84.155%	85.215%
3	23:32:09	80.762%	100.300	97.050	97.790	97.850	97.400	85.077%	86.507%
x		78.812%	99.698%	98.304%	98.040%	96.961%	96.772%	83.313%	84.163%
σ		2.180%	n/a	n/a	n/a	n/a	n/a	2.304%	3.011%
%RSD		2.767	0.678	1.184	0.294	0.962	0.634	2.766	3.577

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	101.300	100.800	102.900	102.100	102.600	78.003%
2	23:31:27	101.100	101.600	102.200	102.000	102.500	81.456%
3	23:32:09	100.400	100.500	101.600	102.400	101.800	83.386%
x		100.935%	100.982%	102.219%	102.165%	102.308%	80.948%
σ		n/a	n/a	n/a	n/a	n/a	2.727%
%RSD		0.434	0.599	0.649	0.247	0.395	3.369

CCB8 12/29/2012 11:37:12 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	89.084%	-0.031	0.838	1.742	0.000	-30.050	21.910	21.630
2	23:38:35	90.198%	0.037	2.904	1.711	0.000	-18.980	26.790	27.520
3	23:39:17	90.701%	0.037	0.073	1.551	0.000	-35.750	20.700	21.330
x		89.994%	0.014	1.271	1.668	0.000	-28.260	23.130	23.490
σ		0.828%	0.039	1.464	0.102	0.000	8.529	3.226	3.491
%RSD		0.920	270.900	115.200	6.128	0.000	30.180	13.950	14.860

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	-1.821	2.459	0.000	9.968	39.860	47.140	83.805%	0.161
2	23:38:35	-1.014	2.811	0.000	15.260	87.480	55.460	84.284%	0.221
3	23:39:17	-2.083	2.860	0.000	4.170	65.590	49.780	85.051%	0.157
x		-1.639	2.710	0.000	9.801	64.310	50.790	84.380%	0.180
σ		0.557	0.219	0.000	5.549	23.840	4.252	0.628%	0.036
%RSD		33.980	8.074	0.000	56.620	37.070	8.372	0.745	19.960

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	0.108	0.025	0.356	17.440	27.650	0.050	0.176	0.489
2	23:38:35	0.227	0.018	0.427	16.470	26.690	0.041	0.153	0.534
3	23:39:17	0.078	-0.023	0.377	12.000	20.830	0.049	0.173	0.331
x		0.138	0.007	0.387	15.300	25.060	0.047	0.167	0.451
σ		0.079	0.026	0.036	2.898	3.695	0.005	0.012	0.107
%RSD		57.210	374.900	9.315	18.940	14.750	9.669	7.216	23.650

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	0.189	0.484	0.335	-0.065	-0.336	-0.015	0.000	0.470
2	23:38:35	0.352	0.503	0.353	-0.280	-0.469	-0.980	0.000	0.752
3	23:39:17	0.432	0.338	0.426	-0.406	-1.652	-1.393	0.000	0.502
x		0.325	0.442	0.372	-0.250	-0.819	-0.796	0.000	0.575
σ		0.124	0.090	0.048	0.173	0.725	0.707	0.000	0.154
%RSD		38.050	20.410	13.040	68.970	88.470	88.840	0.000	26.780

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	82.568%	0.327	0.314	80.453%	0.065	0.055	0.040	0.045
2	23:38:35	82.878%	0.101	0.158	81.005%	0.051	0.075	-0.009	0.010
3	23:39:17	82.860%	0.179	0.254	81.072%	0.065	0.034	0.094	0.031
x		82.769%	0.202	0.242	80.843%	0.060	0.055	0.042	0.029
σ		0.174%	0.115	0.079	0.340%	0.008	0.021	0.051	0.018
%RSD		0.210	56.680	32.570	0.421	13.850	37.610	123.500	61.090

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	80.581%	0.292	0.093	0.062	0.182	0.207	82.077%	82.570%
2	23:38:35	81.059%	0.661	0.087	0.061	0.314	0.410	83.257%	84.027%
3	23:39:17	81.364%	0.724	0.050	0.014	0.177	0.219	83.886%	84.408%
x		81.001%	0.559	0.077	0.046	0.224	0.279	83.073%	83.669%
σ		0.395%	0.233	0.023	0.027	0.077	0.114	0.918%	0.970%
%RSD		0.488	41.740	30.240	59.990	34.520	41.010	1.106	1.160

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	0.102	0.095	0.053	0.040	0.044	84.876%
2	23:38:35	0.054	0.117	0.059	0.043	0.064	85.926%
3	23:39:17	0.071	0.055	0.044	0.063	0.059	86.670%
x		0.076	0.089	0.052	0.049	0.056	85.824%
σ		0.025	0.032	0.007	0.012	0.010	0.901%
%RSD		32.370	35.380	14.320	25.120	18.510	1.050

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	92.335%	-0.031	61.450	57.080	0.000	68800.000	15760.000	15760.000
2	23:42:53	95.122%	-0.031	56.540	58.420	0.000	68050.000	15740.000	15750.000
3	23:43:35	96.978%	0.034	57.040	58.670	0.000	67520.000	15720.000	15770.000
x		94.812%	-0.009	58.340	58.050	0.000	68120.000	15740.000	15760.000
σ		2.337%	0.037	2.702	0.857	0.000	640.700	23.050	9.331
%RSD		2.465	405.200	4.630	1.475	0.000	0.940	0.146	0.059

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	2.978	4546.000	0.000	1306.000	48010.000	47520.000	69.073%	1.491
2	23:42:53	2.571	4531.000	0.000	1316.000	48040.000	47580.000	70.887%	0.864
3	23:43:35	2.913	4516.000	0.000	1319.000	47250.000	47340.000	71.523%	1.292
x		2.821	4531.000	0.000	1314.000	47770.000	47480.000	70.494%	1.216
σ		0.219	14.960	0.000	6.548	444.300	121.900	1.272%	0.320
%RSD		7.748	0.330	0.000	0.498	0.930	0.257	1.804	26.340

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	-8.171	2.146	13.370	25.490	98.780	0.057	4.875	1.595
2	23:42:53	-6.646	2.450	13.450	20.510	81.650	0.045	4.769	1.583
3	23:43:35	-8.473	2.668	13.480	19.740	85.960	0.072	5.627	1.827
x		-7.763	2.422	13.430	21.920	88.790	0.058	5.090	1.668
σ		0.979	0.262	0.054	3.119	8.913	0.013	0.468	0.137
%RSD		12.610	10.820	0.403	14.230	10.040	23.100	9.191	8.234

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	1.209	3.312	2.313	1.039	2.236	0.332	0.000	241.700
2	23:42:53	1.357	2.795	2.678	-2.382	0.389	1.077	0.000	239.700
3	23:43:35	2.237	2.401	3.120	-0.444	2.002	0.960	0.000	242.600
x		1.601	2.836	2.703	-0.596	1.542	0.790	0.000	241.400
σ		0.556	0.457	0.404	1.716	1.006	0.401	0.000	1.490
%RSD		34.720	16.110	14.940	288.000	65.220	50.790	0.000	0.617

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	69.501%	0.370	0.286	67.687%	0.010	0.011	0.134	0.017
2	23:42:53	72.025%	0.257	0.110	69.633%	-0.001	-0.007	0.084	-0.076
3	23:43:35	72.219%	0.072	0.133	70.600%	0.010	-0.001	-0.173	-0.080
x		71.248%	0.233	0.176	69.307%	0.006	0.001	0.015	-0.046
σ		1.517%	0.150	0.096	1.484%	0.006	0.009	0.165	0.055
%RSD		2.129	64.380	54.290	2.141	101.600	998.300	1095.000	118.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	71.671%	9.525	0.118	0.140	115.500	115.300	77.905%	78.345%
2	23:42:53	74.851%	7.653	0.095	0.119	116.800	116.700	80.214%	80.777%
3	23:43:35	74.428%	6.792	0.107	0.076	115.800	114.900	80.939%	82.927%
x		73.650%	7.990	0.107	0.112	116.000	115.600	79.686%	80.683%
σ		1.727%	1.397	0.011	0.033	0.666	0.969	1.584%	2.292%
%RSD		2.344	17.490	10.570	29.350	0.574	0.838	1.988	2.841

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	0.060	0.051	0.046	0.034	0.044	75.702%
2	23:42:53	0.042	0.043	0.012	0.032	0.023	78.591%
3	23:43:35	0.012	0.038	0.023	0.009	0.027	80.133%
x		0.038	0.044	0.027	0.025	0.031	78.142%
σ		0.024	0.006	0.017	0.014	0.011	2.249%
%RSD		63.510	14.590	63.400	54.720	35.350	2.878

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	84.823%	0.006	80.390	74.430	0.000	218600.000	96610.000	96530.000
2	23:47:10	86.774%	0.005	78.430	77.000	0.000	215300.000	95090.000	94920.000
3	23:47:51	88.412%	-0.031	76.440	72.940	0.000	211900.000	93800.000	93930.000
x		86.670%	-0.006	78.420	74.790	0.000	215300.000	95170.000	95130.000
σ		1.797%	0.021	1.974	2.050	0.000	3380.000	1409.000	1310.000
%RSD		2.073	323.500	2.518	2.741	0.000	1.570	1.480	1.378

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	240.100	10430.000	0.000	21310.000	143000.000	147100.000	65.094%	11.150
2	23:47:10	243.500	10400.000	0.000	21000.000	146900.000	146900.000	66.628%	12.830
3	23:47:51	238.500	10330.000	0.000	20790.000	146300.000	147200.000	67.005%	12.060
x		240.700	10390.000	0.000	21040.000	145400.000	147000.000	66.242%	12.010
σ		2.541	54.640	0.000	261.500	2099.000	134.400	1.012%	0.841
%RSD		1.056	0.526	0.000	1.243	1.444	0.091	1.528	7.003

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	-2.847	1.240	2826.000	114100.000	116800.000	0.231	0.597	2.966
2	23:47:10	-1.786	1.351	2823.000	112000.000	117100.000	0.321	0.386	3.144
3	23:47:51	-2.648	1.176	2845.000	111500.000	117300.000	0.242	1.167	3.580
x		-2.427	1.256	2831.000	112600.000	117100.000	0.265	0.717	3.230
σ		0.564	0.089	11.500	1376.000	271.900	0.049	0.404	0.316
%RSD		23.230	7.056	0.406	1.223	0.232	18.520	56.360	9.770

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	2.962	4.784	6.697	1.243	-0.728	-0.609	0.000	833.800
2	23:47:10	2.590	4.888	6.610	1.696	-0.837	0.155	0.000	828.700
3	23:47:51	3.056	5.338	5.563	1.239	-0.427	1.049	0.000	841.000
x		2.869	5.003	6.290	1.393	-0.664	0.199	0.000	834.500
σ		0.247	0.294	0.631	0.263	0.212	0.830	0.000	6.160
%RSD		8.595	5.881	10.030	18.870	31.960	417.600	0.000	0.738

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	66.931%	0.107	0.012	64.172%	0.017	-0.007	0.028	-0.077
2	23:47:10	69.366%	-0.081	0.012	66.162%	-0.001	-0.007	-0.048	-0.118
3	23:47:51	69.700%	-0.052	0.017	67.440%	0.010	-0.007	-0.051	0.011
x		68.665%	-0.009	0.014	65.924%	0.009	-0.007	-0.024	-0.061
σ		1.511%	0.101	0.003	1.647%	0.009	0.000	0.045	0.066
%RSD		2.201	1161.000	21.630	2.498	102.300	0.000	190.800	107.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	69.565%	5.553	0.152	0.099	467.800	465.700	76.502%	78.720%
2	23:47:10	72.007%	5.581	0.076	0.138	463.900	467.600	80.944%	81.361%
3	23:47:51	74.353%	4.620	0.152	0.141	469.100	469.900	80.755%	82.825%
x		71.975%	5.251	0.127	0.126	466.900	467.700	79.400%	80.969%
σ		2.394%	0.547	0.044	0.024	2.717	2.073	2.512%	2.081%
%RSD		3.326	10.420	34.670	18.860	0.582	0.443	3.164	2.570

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	0.035	0.022	2.008	1.997	2.080	73.901%
2	23:47:10	0.023	0.011	2.261	2.117	2.138	78.216%
3	23:47:51	0.032	0.030	2.248	2.203	2.262	79.018%
x		0.030	0.021	2.172	2.106	2.160	77.045%
σ		0.006	0.009	0.142	0.104	0.093	2.752%
%RSD		21.590	45.570	6.547	4.934	4.301	3.572

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	87.651%	0.005	121.400	121.600	0.000	94660.000	29040.000	29060.000
2	23:51:26	89.185%	-0.031	122.700	125.400	0.000	93570.000	28990.000	29040.000
3	23:52:08	90.293%	-0.031	125.200	120.100	0.000	93520.000	28830.000	29100.000
x		89.043%	-0.019	123.100	122.300	0.000	93920.000	28960.000	29060.000
σ		1.327%	0.020	1.909	2.764	0.000	642.800	109.200	30.200
%RSD		1.490	108.700	1.551	2.259	0.000	0.685	0.377	0.104
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	-1.848	6871.000	0.000	4838.000	52860.000	53010.000	68.225%	1.510
2	23:51:26	-2.055	6857.000	0.000	4844.000	53520.000	52950.000	68.984%	1.416
3	23:52:08	-1.221	6882.000	0.000	4869.000	53530.000	53290.000	68.916%	2.093
x		-1.708	6870.000	0.000	4850.000	53310.000	53080.000	68.708%	1.673
σ		0.435	12.520	0.000	16.540	384.700	177.900	0.420%	0.367
%RSD		25.450	0.182	0.000	0.341	0.722	0.335	0.611	21.950
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	-2.135	0.366	1948.000	46210.000	47060.000	4.121	1.916	2.954
2	23:51:26	-3.715	0.323	1961.000	45730.000	47310.000	4.392	1.870	2.785
3	23:52:08	-3.367	0.570	1960.000	45740.000	47450.000	4.134	1.941	2.826
x		-3.072	0.419	1956.000	45890.000	47270.000	4.216	1.909	2.855
σ		0.830	0.132	7.024	271.800	195.400	0.153	0.036	0.088
%RSD		27.010	31.410	0.359	0.592	0.413	3.631	1.886	3.093
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	2.696	12.330	10.250	9.001	-1.434	-1.382	0.000	387.900
2	23:51:26	2.491	11.390	13.000	11.320	-0.537	-0.163	0.000	380.300
3	23:52:08	2.656	11.880	12.630	8.056	-2.062	-1.086	0.000	382.500
x		2.614	11.870	11.960	9.458	-1.344	-0.877	0.000	383.500
σ		0.109	0.469	1.490	1.679	0.766	0.636	0.000	3.938
%RSD		4.170	3.952	12.450	17.750	57.010	72.540	0.000	1.027
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	69.715%	0.022	0.126	69.126%	0.015	-0.001	0.058	-0.016
2	23:51:26	71.864%	0.088	-0.043	71.002%	0.015	0.016	-0.097	-0.050
3	23:52:08	72.322%	0.116	0.094	71.178%	0.004	0.010	0.103	-0.027
x		71.300%	0.075	0.059	70.435%	0.011	0.008	0.021	-0.031
σ		1.392%	0.048	0.089	1.137%	0.006	0.009	0.105	0.017
%RSD		1.952	63.790	151.400	1.614	55.770	105.000	494.600	56.100
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	73.713%	4.556	0.142	0.165	56.750	57.830	80.298%	81.638%
2	23:51:26	75.508%	4.601	0.272	0.231	55.740	55.850	82.170%	84.659%
3	23:52:08	77.090%	4.654	0.223	0.121	58.090	58.450	83.087%	84.757%
x		75.437%	4.603	0.212	0.172	56.860	57.380	81.852%	83.685%
σ		1.690%	0.049	0.065	0.055	1.181	1.355	1.421%	1.773%
%RSD		2.240	1.064	30.770	32.150	2.077	2.362	1.736	2.119
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:50:45	0.022	0.009	0.449	0.471	0.417	79.483%		
2	23:51:26	0.029	0.006	0.394	0.451	0.454	82.671%		
3	23:52:08	0.011	0.018	0.397	0.456	0.414	82.677%		
x		0.021	0.011	0.413	0.459	0.428	81.610%		
σ		0.009	0.006	0.031	0.010	0.022	1.842%		
%RSD		43.440	58.330	7.455	2.183	5.161	2.257		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	86.138%	0.005	106.100	105.800	0.000	74990.000	23390.000	23360.000
2	23:55:43	89.603%	0.074	104.500	109.700	0.000	74250.000	23340.000	23430.000
3	23:56:25	90.558%	0.004	111.800	108.300	0.000	73350.000	23110.000	23170.000
x		88.766%	0.028	107.500	107.900	0.000	74200.000	23280.000	23320.000
σ		2.326%	0.040	3.843	1.957	0.000	822.500	146.300	135.300
%RSD		2.620	144.400	3.576	1.813	0.000	1.109	0.628	0.580

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	192.500	7236.000	0.000	2934.000	43720.000	43320.000	66.712%	8.926
2	23:55:43	192.500	7206.000	0.000	2971.000	44460.000	44050.000	67.264%	10.700
3	23:56:25	188.000	7123.000	0.000	2936.000	43470.000	43530.000	67.814%	9.078
x		191.000	7188.000	0.000	2947.000	43890.000	43630.000	67.263%	9.568
σ		2.591	58.220	0.000	20.420	517.200	376.600	0.551%	0.983
%RSD		1.357	0.810	0.000	0.693	1.178	0.863	0.819	10.270

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	-1.869	1.365	774.000	34520.000	34900.000	0.340	1.914	3.469
2	23:55:43	-1.459	1.259	785.600	34270.000	35140.000	0.346	2.237	4.003
3	23:56:25	-1.121	1.164	780.500	33830.000	34800.000	0.322	2.015	3.861
x		-1.483	1.263	780.000	34210.000	34950.000	0.336	2.055	3.778
σ		0.375	0.100	5.786	347.200	175.900	0.012	0.165	0.277
%RSD		25.250	7.934	0.742	1.015	0.503	3.639	8.036	7.320

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	3.040	8.119	9.048	16.980	-0.846	-0.983	0.000	278.100
2	23:55:43	3.258	8.421	9.704	18.540	-0.463	-0.991	0.000	281.800
3	23:56:25	3.432	8.818	9.699	16.750	-0.666	-0.684	0.000	279.600
x		3.243	8.453	9.484	17.420	-0.658	-0.886	0.000	279.800
σ		0.196	0.350	0.377	0.972	0.192	0.175	0.000	1.864
%RSD		6.044	4.143	3.978	5.580	29.170	19.710	0.000	0.666

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	69.612%	0.164	0.167	68.476%	-0.006	-0.007	-0.093	-0.139
2	23:55:43	70.517%	0.202	0.169	69.750%	0.015	-0.007	-0.157	-0.186
3	23:56:25	72.042%	0.178	0.244	70.708%	-0.001	0.004	-0.092	-0.129
x		70.723%	0.181	0.193	69.645%	0.002	-0.003	-0.114	-0.151
σ		1.228%	0.020	0.044	1.120%	0.011	0.007	0.037	0.030
%RSD		1.737	10.760	22.820	1.608	455.000	206.400	32.690	20.050

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	73.415%	3.826	0.389	0.370	77.380	77.090	80.411%	80.969%
2	23:55:43	75.828%	3.608	0.316	0.309	78.430	75.060	81.322%	82.741%
3	23:56:25	75.800%	3.861	0.287	0.322	77.060	77.090	83.049%	85.197%
x		75.014%	3.765	0.330	0.334	77.620	76.410	81.594%	82.969%
σ		1.385%	0.137	0.052	0.032	0.717	1.170	1.340%	2.123%
%RSD		1.847	3.645	15.840	9.665	0.923	1.531	1.642	2.559

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	0.003	0.014	1.053	1.156	1.120	79.021%
2	23:55:43	0.009	0.008	1.120	1.064	1.101	81.903%
3	23:56:25	-0.007	0.015	1.155	1.088	1.143	83.527%
x		0.002	0.013	1.109	1.103	1.121	81.484%
σ		0.008	0.004	0.052	0.047	0.021	2.282%
%RSD		456.300	29.560	4.697	4.304	1.868	2.801

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	86.598%	0.005	54.320	58.020	0.000	154700.000	74520.000	75150.000
2	00:00:01	89.765%	0.004	55.260	56.510	0.000	150400.000	66180.000	73060.000
3	00:00:43	89.773%	0.004	58.380	55.700	0.000	151000.000	72690.000	73680.000
x		88.712%	0.004	55.980	56.740	0.000	152000.000	71130.000	73960.000
σ		1.831%	0.001	2.125	1.176	0.000	2340.000	4387.000	1074.000
%RSD		2.064	16.050	3.795	2.072	0.000	1.539	6.167	1.452

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	52.750	9246.000	0.000	5472.000	67130.000	65890.000	68.151%	13.230
2	00:00:01	49.130	9137.000	0.000	5483.000	67610.000	65960.000	69.468%	11.250
3	00:00:43	50.210	9208.000	0.000	5478.000	66080.000	66280.000	69.748%	12.480
x		50.690	9197.000	0.000	5478.000	66940.000	66040.000	69.122%	12.320
σ		1.858	55.580	0.000	5.671	778.700	206.000	0.853%	0.998
%RSD		3.665	0.604	0.000	0.104	1.163	0.312	1.234	8.102

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	-1.094	1.182	4042.000	48660.000	49790.000	0.319	2.577	5.790
2	00:00:01	0.959	1.133	4036.000	47780.000	49600.000	0.338	2.156	6.448
3	00:00:43	-0.169	1.062	4049.000	47810.000	50100.000	0.399	2.269	6.408
x		-0.101	1.125	4043.000	48090.000	49830.000	0.352	2.334	6.215
σ		1.028	0.060	6.688	500.800	252.300	0.042	0.218	0.369
%RSD		1019.000	5.368	0.165	1.041	0.506	11.900	9.326	5.934

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	5.474	9.072	11.080	25.510	-0.060	-0.697	0.000	486.300
2	00:00:01	5.836	9.928	10.740	24.870	-0.591	-0.887	0.000	479.800
3	00:00:43	6.077	9.671	9.230	26.020	-0.697	0.359	0.000	489.400
x		5.796	9.557	10.350	25.470	-0.449	-0.409	0.000	485.200
σ		0.304	0.439	0.984	0.579	0.341	0.671	0.000	4.899
%RSD		5.238	4.598	9.508	2.272	75.960	164.300	0.000	1.010

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	70.648%	0.543	0.758	68.860%	-0.006	0.022	0.018	-0.097
2	00:00:01	73.158%	0.783	0.808	70.940%	0.004	0.004	0.132	0.051
3	00:00:43	72.204%	0.716	0.712	70.876%	-0.001	0.016	-0.160	-0.223
x		72.003%	0.680	0.760	70.225%	-0.001	0.014	-0.003	-0.089
σ		1.267%	0.124	0.048	1.183%	0.005	0.009	0.147	0.137
%RSD		1.760	18.210	6.289	1.684	459.700	63.910	4368.000	153.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	73.403%	3.511	0.702	0.669	209.800	208.200	81.292%	82.568%
2	00:00:01	75.072%	3.867	0.606	0.687	206.500	207.400	84.590%	84.897%
3	00:00:43	76.396%	3.893	0.620	0.714	210.100	206.000	83.448%	85.022%
x		74.957%	3.757	0.643	0.690	208.800	207.200	83.110%	84.162%
σ		1.500%	0.213	0.052	0.022	1.978	1.127	1.675%	1.382%
%RSD		2.001	5.672	8.047	3.242	0.947	0.544	2.015	1.642

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	0.003	0.012	1.772	1.834	1.759	79.349%
2	00:00:01	0.012	0.006	1.757	1.679	1.821	81.695%
3	00:00:43	-0.010	0.001	1.727	1.957	1.828	82.099%
x		0.002	0.006	1.752	1.823	1.803	81.048%
σ		0.011	0.005	0.023	0.139	0.038	1.485%
%RSD		614.700	89.590	1.308	7.641	2.117	1.832

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	88.869%	0.004	55.510	59.250	0.000	155000.000	59600.000	66560.000
2	00:04:18	90.577%	0.004	64.400	56.860	0.000	154300.000	59980.000	66250.000
3	00:05:00	89.986%	0.038	59.990	61.000	0.000	154100.000	60140.000	65710.000
x		89.810%	0.015	59.960	59.040	0.000	154500.000	59910.000	66170.000
σ		0.868%	0.020	4.447	2.081	0.000	464.500	277.500	430.200
%RSD		0.966	128.500	7.415	3.524	0.000	0.301	0.463	0.650

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	114.900	7830.000	0.000	5062.000	66580.000	66160.000	69.372%	6.118
2	00:04:18	117.900	7858.000	0.000	5097.000	66300.000	67000.000	69.954%	7.397
3	00:05:00	95.810	7849.000	0.000	5111.000	66870.000	67050.000	69.990%	6.576
x		109.500	7845.000	0.000	5090.000	66580.000	66740.000	69.772%	6.697
σ		11.970	14.470	0.000	25.200	283.000	499.200	0.346%	0.648
%RSD		10.930	0.185	0.000	0.495	0.425	0.748	0.497	9.674

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	-0.720	0.495	1505.000	79500.000	82870.000	1.211	0.541	11.950
2	00:04:18	-2.482	0.381	1519.000	79040.000	83630.000	1.052	1.016	12.140
3	00:05:00	-1.909	0.569	1524.000	78450.000	83550.000	1.076	0.523	11.780
x		-1.704	0.482	1516.000	79000.000	83350.000	1.113	0.693	11.960
σ		0.899	0.095	9.735	528.000	417.300	0.085	0.280	0.178
%RSD		52.770	19.730	0.642	0.668	0.501	7.676	40.320	1.487

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	12.030	13.880	13.740	8.610	-0.523	0.303	0.000	594.400
2	00:04:18	11.110	13.460	14.340	6.608	-0.995	-0.408	0.000	602.500
3	00:05:00	11.180	13.290	13.920	7.234	-0.748	0.011	0.000	602.800
x		11.440	13.540	14.000	7.484	-0.755	-0.031	0.000	599.900
σ		0.516	0.307	0.311	1.024	0.236	0.358	0.000	4.746
%RSD		4.510	2.264	2.224	13.690	31.280	1135.000	0.000	0.791

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	71.348%	-0.121	-0.068	70.125%	0.004	0.004	0.146	-0.045
2	00:04:18	72.907%	-0.140	-0.027	71.720%	0.004	0.015	-0.171	-0.199
3	00:05:00	73.606%	0.021	-0.011	72.132%	0.004	0.004	-0.002	-0.063
x		72.620%	-0.080	-0.035	71.326%	0.004	0.008	-0.009	-0.102
σ		1.156%	0.088	0.029	1.060%	0.000	0.006	0.158	0.084
%RSD		1.592	109.500	82.200	1.486	3.922	79.350	1719.000	82.580

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	75.007%	3.440	0.123	0.161	194.900	196.300	81.390%	84.322%
2	00:04:18	77.283%	3.662	0.195	0.142	203.800	197.400	83.941%	86.134%
3	00:05:00	76.925%	3.081	0.146	0.183	203.100	197.500	86.123%	86.420%
x		76.405%	3.394	0.155	0.162	200.600	197.100	83.818%	85.625%
σ		1.224%	0.293	0.037	0.021	4.931	0.681	2.369%	1.138%
%RSD		1.602	8.638	23.710	12.880	2.458	0.346	2.826	1.329

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	-0.000	0.006	2.089	1.971	2.025	79.712%
2	00:04:18	0.005	0.024	1.935	1.944	2.051	82.998%
3	00:05:00	0.002	0.010	1.990	2.157	2.046	83.927%
x		0.002	0.013	2.005	2.024	2.041	82.212%
σ		0.003	0.009	0.078	0.116	0.014	2.215%
%RSD		111.100	68.370	3.906	5.741	0.665	2.694

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	101.939%	0.031	231.400	224.000	0.000	119900.000	119300.000	119700.000
2	00:08:36	106.318%	-0.031	226.800	224.800	0.000	120000.000	119300.000	119800.000
3	00:09:18	105.663%	0.087	241.100	229.700	0.000	121000.000	120000.000	120500.000
x		104.640%	0.029	233.100	226.200	0.000	120300.000	119500.000	120000.000
σ		2.362%	0.059	7.274	3.076	0.000	610.500	403.000	438.400
%RSD		2.257	202.800	3.121	1.360	0.000	0.508	0.337	0.365
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	304.100	9266.000	0.000	13910.000	113300.000	112700.000	75.901%	12.640
2	00:08:36	308.000	9413.000	0.000	13920.000	114300.000	114400.000	78.268%	10.660
3	00:09:18	311.200	9503.000	0.000	13900.000	114200.000	113900.000	79.367%	10.770
x		307.800	9394.000	0.000	13910.000	113900.000	113700.000	77.845%	11.350
σ		3.522	119.400	0.000	12.240	580.000	877.100	1.771%	1.112
%RSD		1.144	1.271	0.000	0.088	0.509	0.772	2.275	9.789
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	-6.902	2.543	1668.000	589.200	857.300	17.200	4.534	3.230
2	00:08:36	-7.174	3.276	1682.000	612.400	899.900	17.620	4.755	3.181
3	00:09:18	-10.360	3.194	1688.000	619.000	891.100	16.950	5.235	3.263
x		-8.146	3.004	1679.000	606.900	882.800	17.260	4.841	3.225
σ		1.925	0.402	10.330	15.670	22.510	0.338	0.358	0.041
%RSD		23.620	13.380	0.615	2.581	2.550	1.957	7.399	1.283
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	3.028	5.017	6.264	1.097	1.026	1.458	0.000	768.000
2	00:08:36	3.330	5.410	6.107	-0.274	0.338	2.887	0.000	770.300
3	00:09:18	2.624	4.901	5.151	0.306	1.175	1.088	0.000	776.400
x		2.994	5.109	5.841	0.377	0.846	1.811	0.000	771.600
σ		0.354	0.267	0.602	0.688	0.446	0.950	0.000	4.349
%RSD		11.830	5.229	10.310	182.800	52.730	52.440	0.000	0.564
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	76.286%	0.397	0.360	73.650%	0.004	-0.007	0.083	-0.090
2	00:08:36	79.435%	0.562	0.522	76.360%	0.048	0.035	-0.160	-0.148
3	00:09:18	79.657%	0.297	0.558	77.190%	0.008	0.014	0.035	-0.053
x		78.459%	0.419	0.480	75.733%	0.020	0.014	-0.014	-0.097
σ		1.885%	0.134	0.105	1.852%	0.024	0.021	0.129	0.048
%RSD		2.403	31.990	21.960	2.445	121.800	149.700	905.400	49.670
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	79.310%	2.974	0.105	0.151	297.000	294.600	85.795%	86.735%
2	00:08:36	81.114%	4.026	0.050	0.160	296.800	296.800	88.947%	90.263%
3	00:09:18	81.377%	4.284	0.153	0.232	307.600	298.100	89.038%	90.806%
x		80.600%	3.761	0.102	0.181	300.500	296.500	87.927%	89.268%
σ		1.125%	0.694	0.051	0.044	6.175	1.777	1.847%	2.210%
%RSD		1.396	18.450	50.300	24.580	2.055	0.599	2.100	2.476
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:07:55	0.030	0.059	0.477	0.411	0.466	81.412%		
2	00:08:36	0.034	0.038	0.499	0.478	0.474	85.061%		
3	00:09:18	0.059	0.081	0.429	0.512	0.453	86.183%		
x		0.041	0.059	0.468	0.467	0.464	84.219%		
σ		0.016	0.021	0.036	0.051	0.010	2.495%		
%RSD		38.570	35.980	7.672	10.920	2.231	2.962		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	89.701%	-0.031	229.800	213.100	0.000	121800.000	105400.000	105400.000
2	00:12:54	92.800%	-0.031	219.900	213.300	0.000	120400.000	104500.000	104300.000
3	00:13:36	92.412%	-0.031	227.800	208.700	0.000	120600.000	104700.000	104500.000
x		91.638%	-0.031	225.900	211.700	0.000	120900.000	104900.000	104800.000
σ		1.688%	0.000	5.230	2.634	0.000	772.000	485.300	610.300
%RSD		1.842	0.000	2.316	1.244	0.000	0.638	0.463	0.583
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	-2.563	7277.000	0.000	13630.000	97230.000	97210.000	70.360%	2.422
2	00:12:54	-2.986	7259.000	0.000	13610.000	97650.000	98360.000	70.325%	1.314
3	00:13:36	-2.869	7268.000	0.000	13610.000	98460.000	98690.000	70.451%	1.827
x		-2.806	7268.000	0.000	13610.000	97780.000	98090.000	70.379%	1.855
σ		0.218	8.904	0.000	13.490	626.100	775.800	0.065%	0.554
%RSD		7.780	0.123	0.000	0.099	0.640	0.791	0.092	29.900
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	-4.782	1.217	1033.000	13830.000	13860.000	1.246	1.175	2.074
2	00:12:54	-3.388	1.023	1048.000	13860.000	14060.000	1.164	0.967	1.865
3	00:13:36	-5.535	0.961	1046.000	13780.000	14070.000	1.441	1.027	2.103
x		-4.568	1.067	1042.000	13820.000	14000.000	1.284	1.056	2.014
σ		1.089	0.134	8.110	40.010	117.900	0.142	0.107	0.130
%RSD		23.850	12.560	0.778	0.289	0.842	11.090	10.110	6.464
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	1.726	2.408	1.877	4.103	-1.890	-1.792	0.000	765.600
2	00:12:54	1.877	1.703	2.909	4.728	-1.379	-0.672	0.000	767.200
3	00:13:36	1.408	1.587	2.845	3.261	-1.119	-0.013	0.000	767.100
x		1.670	1.900	2.544	4.030	-1.463	-0.826	0.000	766.600
σ		0.239	0.444	0.578	0.736	0.392	0.900	0.000	0.917
%RSD		14.320	23.380	22.730	18.260	26.820	108.900	0.000	0.120
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	70.335%	0.253	0.145	68.630%	0.005	-0.001	0.108	0.062
2	00:12:54	71.908%	0.332	0.211	69.947%	-0.001	-0.001	0.018	-0.033
3	00:13:36	72.345%	0.073	0.134	70.396%	-0.001	0.010	0.005	0.026
x		71.529%	0.219	0.163	69.658%	0.001	0.003	0.044	0.018
σ		1.057%	0.133	0.042	0.918%	0.003	0.007	0.056	0.048
%RSD		1.478	60.650	25.450	1.317	421.900	248.700	127.700	258.200
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	72.478%	3.374	0.035	0.056	184.400	184.600	79.516%	81.003%
2	00:12:54	74.901%	2.975	0.045	0.061	184.400	186.200	80.761%	83.112%
3	00:13:36	75.279%	3.132	0.055	0.060	188.700	183.900	82.427%	83.796%
x		74.220%	3.160	0.045	0.059	185.800	184.900	80.901%	82.637%
σ		1.520%	0.201	0.010	0.002	2.444	1.192	1.461%	1.456%
%RSD		2.048	6.351	22.330	4.162	1.315	0.645	1.806	1.761
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:12:13	0.004	0.005	0.030	0.025	0.033	75.692%		
2	00:12:54	0.010	0.013	0.062	0.032	0.052	79.030%		
3	00:13:36	0.000	0.010	0.031	0.062	0.049	79.577%		
x		0.005	0.009	0.041	0.039	0.045	78.100%		
σ		0.005	0.004	0.018	0.020	0.010	2.103%		
%RSD		102.700	42.900	44.800	49.550	23.100	2.692		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	100.415%	0.000	124.700	115.900	0.000	59620.000	56420.000	63130.000
2	00:17:13	104.295%	-0.031	126.400	116.400	0.000	59110.000	62670.000	63190.000
3	00:17:54	106.915%	-0.031	116.100	114.100	0.000	58590.000	62150.000	62540.000
x		103.875%	-0.020	122.400	115.500	0.000	59110.000	60410.000	62950.000
σ		3.270%	0.018	5.514	1.170	0.000	515.800	3470.000	359.500
%RSD		3.148	88.520	4.504	1.013	0.000	0.873	5.744	0.571
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	-3.763	7647.000	0.000	3597.000	68890.000	68560.000	74.200%	0.965
2	00:17:13	-38.810	7710.000	0.000	3642.000	70570.000	69750.000	75.653%	0.807
3	00:17:54	-4.153	7688.000	0.000	3609.000	70010.000	68960.000	76.958%	1.062
x		-15.580	7682.000	0.000	3616.000	69820.000	69090.000	75.603%	0.945
σ		20.120	32.100	0.000	23.300	853.900	608.100	1.380%	0.129
%RSD		129.200	0.418	0.000	0.644	1.223	0.880	1.825	13.660
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	-10.530	2.040	2143.000	42.770	138.300	3.008	2.689	1.978
2	00:17:13	-10.380	2.135	2167.000	36.040	118.100	3.156	2.623	1.857
3	00:17:54	-9.677	2.093	2167.000	35.000	127.600	3.081	2.489	1.883
x		-10.200	2.090	2159.000	37.930	128.000	3.082	2.600	1.906
σ		0.457	0.048	13.600	4.219	10.080	0.074	0.102	0.064
%RSD		4.479	2.281	0.630	11.120	7.874	2.395	3.924	3.340
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	1.731	1.947	2.133	-3.750	-0.161	0.877	0.000	283.700
2	00:17:13	1.917	1.658	1.848	0.661	2.532	2.775	0.000	282.900
3	00:17:54	1.820	1.733	1.747	0.183	1.543	2.375	0.000	285.700
x		1.823	1.779	1.909	-0.968	1.305	2.009	0.000	284.100
σ		0.093	0.150	0.200	2.420	1.362	1.001	0.000	1.460
%RSD		5.088	8.427	10.460	250.000	104.400	49.800	0.000	0.514
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	71.020%	-0.124	-0.183	73.481%	0.004	-0.001	0.041	0.090
2	00:17:13	73.034%	-0.130	-0.081	76.061%	-0.002	0.009	0.117	0.048
3	00:17:54	73.610%	-0.175	-0.023	77.077%	0.003	-0.007	0.215	0.216
x		72.555%	-0.143	-0.096	75.540%	0.002	0.000	0.124	0.118
σ		1.360%	0.028	0.081	1.854%	0.003	0.008	0.087	0.087
%RSD		1.874	19.390	84.290	2.454	158.000	5190.000	70.280	73.920
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	77.591%	2.721	0.015	0.037	32.220	32.580	84.409%	86.096%
2	00:17:13	81.401%	2.530	0.050	0.047	32.170	31.520	87.090%	88.372%
3	00:17:54	82.007%	2.650	0.054	0.046	32.220	30.950	89.010%	90.422%
x		80.333%	2.633	0.040	0.043	32.200	31.680	86.837%	88.296%
σ		2.394%	0.097	0.021	0.006	0.031	0.829	2.311%	2.164%
%RSD		2.980	3.672	53.600	13.140	0.095	2.615	2.661	2.451
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:16:31	0.005	0.022	-0.000	0.000	0.009	82.106%		
2	00:17:13	0.001	0.009	0.013	0.011	0.017	85.504%		
3	00:17:54	-0.002	0.018	-0.012	-0.013	0.001	86.519%		
x		0.002	0.017	-0.000	-0.001	0.009	84.710%		
σ		0.004	0.006	0.013	0.012	0.008	2.311%		
%RSD		206.100	38.320	211300.000	1847.000	84.980	2.728		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	102.002%	-0.000	117.700	117.700	0.000	60210.000	63700.000	64040.000
2	00:21:32	102.549%	-0.000	120.500	120.000	0.000	60260.000	63840.000	64370.000
3	00:22:13	102.346%	-0.031	124.900	116.000	0.000	60320.000	63720.000	63960.000
x		102.299%	-0.010	121.000	117.900	0.000	60270.000	63750.000	64120.000
σ		0.277%	0.018	3.660	1.998	0.000	55.530	71.760	220.300
%RSD		0.270	171.400	3.024	1.695	0.000	0.092	0.113	0.344

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	-2.619	7839.000	0.000	3610.000	70520.000	69430.000	75.301%	1.085
2	00:21:32	-29.450	7940.000	0.000	3697.000	70340.000	70030.000	75.538%	1.355
3	00:22:13	-1.237	7907.000	0.000	3666.000	69440.000	69990.000	76.155%	0.935
x		-11.100	7895.000	0.000	3658.000	70100.000	69820.000	75.665%	1.125
σ		15.900	51.090	0.000	43.840	580.000	337.200	0.441%	0.213
%RSD		143.300	0.647	0.000	1.198	0.827	0.483	0.583	18.940

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	-8.605	2.172	2116.000	37.330	130.000	3.125	2.953	2.238
2	00:21:32	-12.780	2.331	2143.000	40.180	131.600	3.272	2.833	2.187
3	00:22:13	-11.010	2.246	2138.000	43.090	130.300	3.057	4.004	2.362
x		-10.800	2.250	2132.000	40.200	130.700	3.152	3.263	2.262
σ		2.095	0.079	14.340	2.878	0.861	0.110	0.644	0.090
%RSD		19.400	3.533	0.673	7.159	0.659	3.493	19.740	3.978

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	2.033	2.146	2.321	-0.400	1.621	1.231	0.000	270.500
2	00:21:32	1.892	2.542	1.719	0.335	0.367	0.466	0.000	271.700
3	00:22:13	2.099	2.042	1.795	0.386	1.346	2.195	0.000	271.800
x		2.008	2.243	1.945	0.107	1.111	1.298	0.000	271.300
σ		0.106	0.264	0.328	0.440	0.659	0.866	0.000	0.743
%RSD		5.269	11.770	16.860	410.700	59.310	66.780	0.000	0.274

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	75.058%	-0.001	-0.008	73.680%	-0.001	-0.001	0.012	-0.046
2	00:21:32	76.763%	-0.092	0.004	74.933%	0.004	-0.002	0.044	-0.030
3	00:22:13	77.422%	-0.023	0.010	75.468%	0.019	0.014	-0.030	-0.050
x		76.414%	-0.039	0.002	74.693%	0.007	0.004	0.009	-0.042
σ		1.220%	0.047	0.009	0.918%	0.010	0.009	0.037	0.011
%RSD		1.596	122.900	514.900	1.229	149.000	242.100	432.500	25.150

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	77.416%	3.169	0.064	0.079	30.460	31.990	84.144%	85.398%
2	00:21:32	78.945%	3.293	0.063	0.083	32.750	33.850	85.337%	87.326%
3	00:22:13	80.183%	3.007	0.066	0.075	34.480	32.300	86.986%	87.617%
x		78.848%	3.156	0.064	0.079	32.560	32.710	85.489%	86.780%
σ		1.386%	0.144	0.002	0.004	2.016	0.997	1.427%	1.206%
%RSD		1.758	4.549	3.030	5.447	6.190	3.047	1.670	1.390

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	-0.003	0.021	0.007	0.030	0.022	80.948%
2	00:21:32	0.008	0.016	0.024	-0.005	0.018	83.777%
3	00:22:13	0.001	0.005	0.045	0.019	0.042	85.584%
x		0.002	0.014	0.026	0.015	0.027	83.436%
σ		0.006	0.008	0.019	0.018	0.013	2.337%
%RSD		285.700	59.920	73.250	118.900	47.740	2.801

CCV 664806 12/30/2012 12:27:16 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	77.562%	99.460	94.160	95.280	0.000	46970.000	40670.000	40850.000
2	00:28:40	80.022%	100.400	95.170	93.180	0.000	46110.000	40500.000	40960.000
3	00:29:21	78.699%	99.820	92.230	94.830	0.000	46930.000	41430.000	41630.000
x		78.761%	99.886%	93.855%	94.430%	0.000	93.340%	81.730%	82.298%
σ		1.231%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.563	0.467	1.595	1.170	0.000	1.039	1.209	1.030

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	453.200	4800.000	0.000	48340.000	48710.000	47090.000	71.991%	95.550
2	00:28:40	461.000	4805.000	0.000	47870.000	46940.000	47440.000	73.867%	96.420
3	00:29:21	465.700	4895.000	0.000	47940.000	48420.000	47530.000	75.071%	104.200
x		91.996%	96.670%	0.000	96.105%	96.054%	94.705%	73.643%	98.740%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.553%	n/a
%RSD		1.376	1.108	0.000	0.528	1.975	0.486	2.108	4.848

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	96.260	98.780	477.900	24750.000	24220.000	100.600	103.500	100.100
2	00:28:40	97.330	98.480	483.000	24550.000	24500.000	100.900	102.500	102.700
3	00:29:21	100.100	98.020	482.300	24450.000	24460.000	98.550	100.800	103.400
x		97.907%	98.430%	96.216%	98.340%	97.583%	99.990%	102.255%	102.070%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.047	0.389	0.580	0.616	0.617	1.256	1.355	1.720

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	99.450	99.360	99.800	98.000	87.580	102.200	0.000	97.120
2	00:28:40	101.600	100.100	100.600	96.620	97.410	95.800	0.000	97.460
3	00:29:21	99.610	102.600	100.500	101.900	87.200	100.300	0.000	96.630
x		100.231%	100.710%	100.299%	98.836%	90.728%	99.459%	0.000	97.071%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.211	1.697	0.432	2.760	6.382	3.327	0.000	0.429

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	72.481%	95.410	97.220	71.581%	97.540	97.880	95.530	96.350
2	00:28:40	74.484%	98.830	101.100	74.392%	98.650	97.140	98.180	95.550
3	00:29:21	76.299%	100.100	103.200	75.663%	98.920	98.740	98.580	97.510
x		74.421%	98.122%	100.501%	73.878%	98.370%	97.916%	97.431%	96.472%
σ		1.909%	n/a	n/a	2.089%	n/a	n/a	n/a	n/a
%RSD		2.566	2.485	3.009	2.828	0.742	0.818	1.699	1.020

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	74.207%	98.140	97.420	97.640	96.950	95.130	79.576%	79.510%
2	00:28:40	77.714%	98.360	97.400	97.750	98.200	95.920	81.475%	83.089%
3	00:29:21	78.649%	99.400	98.390	97.460	98.070	98.320	82.668%	84.175%
x		76.857%	98.635%	97.740%	97.619%	97.741%	96.455%	81.240%	82.258%
σ		2.342%	n/a	n/a	n/a	n/a	n/a	1.559%	2.441%
%RSD		3.047	0.683	0.580	0.152	0.705	1.720	1.919	2.967

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	102.100	101.000	102.200	102.300	102.600	75.956%
2	00:28:40	102.200	101.700	102.900	103.400	103.000	79.075%
3	00:29:21	102.000	101.500	102.500	102.700	102.400	80.622%
x		102.093%	101.395%	102.549%	102.779%	102.672%	78.551%
σ		n/a	n/a	n/a	n/a	n/a	2.377%
%RSD		0.128	0.369	0.359	0.516	0.300	3.026

CCB9 12/30/2012 12:34:25 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	81.858%	0.043	1.780	2.169	0.000	-53.290	12.930	12.890
2	00:35:48	82.689%	-0.031	0.430	1.441	0.000	-54.780	15.430	13.160
3	00:36:30	82.038%	-0.031	1.908	1.563	0.000	-51.000	14.550	14.180
x		82.195%	-0.006	1.373	1.724	0.000	-53.030	14.300	13.410
σ		0.437%	0.043	0.819	0.390	0.000	1.903	1.269	0.680
%RSD		0.532	712.600	59.650	22.620	0.000	3.589	8.875	5.070
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	-2.830	3.091	0.000	-3.550	23.110	25.410	86.552%	0.153
2	00:35:48	-2.910	2.503	0.000	-3.233	49.100	26.930	86.644%	0.213
3	00:36:30	-2.839	2.717	0.000	-3.492	38.870	25.520	86.280%	0.154
x		-2.860	2.770	0.000	-3.425	37.020	25.950	86.492%	0.173
σ		0.044	0.298	0.000	0.169	13.090	0.846	0.189%	0.034
%RSD		1.538	10.750	0.000	4.934	35.360	3.261	0.218	19.790
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	0.116	-0.020	0.198	14.550	25.470	0.006	0.090	0.325
2	00:35:48	-0.050	0.007	0.158	9.965	22.020	0.009	0.049	0.539
3	00:36:30	0.034	0.020	0.170	7.796	15.590	0.033	0.151	0.570
x		0.033	0.002	0.175	10.770	21.030	0.016	0.097	0.478
σ		0.083	0.020	0.021	3.449	5.011	0.015	0.051	0.133
%RSD		251.700	1066.000	11.820	32.020	23.830	91.560	52.760	27.880
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	0.570	0.583	0.226	-0.095	-0.828	-0.108	0.000	0.308
2	00:35:48	0.404	0.693	0.289	-0.641	-1.429	-1.881	0.000	0.261
3	00:36:30	0.323	0.535	0.420	-0.576	-1.547	-1.325	0.000	0.352
x		0.432	0.604	0.312	-0.438	-1.268	-1.105	0.000	0.307
σ		0.126	0.081	0.099	0.298	0.386	0.907	0.000	0.045
%RSD		29.050	13.360	31.680	68.130	30.410	82.070	0.000	14.820
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	82.356%	0.150	0.136	82.962%	0.021	0.023	0.102	0.043
2	00:35:48	82.868%	0.082	0.226	83.979%	0.049	0.023	-0.008	0.041
3	00:36:30	83.031%	-0.061	0.177	84.508%	0.030	0.042	-0.058	-0.141
x		82.752%	0.057	0.180	83.816%	0.033	0.029	0.012	-0.019
σ		0.352%	0.108	0.045	0.786%	0.014	0.011	0.082	0.106
%RSD		0.425	189.700	25.090	0.937	41.630	38.000	691.000	545.200
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	82.652%	0.540	0.034	0.073	-0.038	0.107	84.188%	84.310%
2	00:35:48	83.978%	0.274	0.058	0.013	0.092	0.151	84.674%	85.157%
3	00:36:30	84.303%	0.470	0.078	0.006	-0.040	0.179	86.463%	86.852%
x		83.644%	0.428	0.057	0.031	0.005	0.145	85.108%	85.440%
σ		0.875%	0.138	0.022	0.037	0.076	0.036	1.198%	1.295%
%RSD		1.046	32.250	38.970	120.400	1502.000	25.100	1.408	1.515
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:35:07	0.040	0.071	0.046	0.044	0.047	84.869%		
2	00:35:48	0.031	0.052	0.031	0.019	0.036	85.602%		
3	00:36:30	0.039	0.038	0.037	0.031	0.033	86.161%		
x		0.037	0.054	0.038	0.031	0.039	85.544%		
σ		0.005	0.017	0.007	0.012	0.007	0.648%		
%RSD		13.910	31.130	19.710	39.500	18.140	0.758		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	83.287%	-0.031	43.310	44.310	0.000	196000.000	45960.000	46170.000
2	00:40:06	83.867%	-0.031	48.240	43.880	0.000	194400.000	46360.000	46670.000
3	00:40:48	86.962%	-0.031	45.210	43.600	0.000	189400.000	45600.000	46040.000
x		84.705%	-0.031	45.590	43.930	0.000	193300.000	45970.000	46290.000
σ		1.976%	0.000	2.487	0.358	0.000	3445.000	382.000	335.700
%RSD		2.332	0.000	5.456	0.816	0.000	1.782	0.831	0.725

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	-3.330	10590.000	0.000	2166.000	52120.000	51690.000	64.433%	2.330
2	00:40:06	-3.430	10620.000	0.000	2195.000	53790.000	52370.000	65.202%	1.901
3	00:40:48	-3.946	10470.000	0.000	2184.000	52690.000	51960.000	65.945%	1.799
x		-3.569	10560.000	0.000	2182.000	52870.000	52010.000	65.193%	2.010
σ		0.331	81.920	0.000	14.870	850.900	338.100	0.756%	0.282
%RSD		9.268	0.776	0.000	0.682	1.610	0.650	1.160	14.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	-3.616	0.512	3519.000	39850.000	39410.000	0.124	0.851	1.721
2	00:40:06	-3.274	0.265	3551.000	39280.000	40030.000	0.111	0.526	1.970
3	00:40:48	-4.148	0.564	3548.000	38570.000	39710.000	0.090	0.804	2.280
x		-3.680	0.447	3540.000	39230.000	39710.000	0.108	0.727	1.990
σ		0.441	0.159	17.540	643.100	309.000	0.017	0.176	0.280
%RSD		11.980	35.650	0.496	1.639	0.778	16.110	24.170	14.090

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	1.153	1.621	1.486	6.660	1.465	1.596	0.000	525.900
2	00:40:06	1.646	2.418	2.108	1.379	0.435	-2.781	0.000	528.300
3	00:40:48	1.999	1.912	2.512	4.672	-0.954	-0.575	0.000	523.700
x		1.599	1.983	2.036	4.237	0.315	-0.587	0.000	526.000
σ		0.425	0.404	0.517	2.667	1.214	2.188	0.000	2.283
%RSD		26.560	20.350	25.380	62.950	384.900	373.100	0.000	0.434

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	65.102%	0.233	0.429	63.312%	0.011	0.006	-0.020	-0.122
2	00:40:06	67.212%	0.151	0.226	65.499%	0.005	-0.007	-0.082	-0.157
3	00:40:48	68.859%	-0.081	0.147	66.742%	-0.001	0.011	-0.177	-0.139
x		67.058%	0.101	0.267	65.184%	0.005	0.003	-0.093	-0.139
σ		1.884%	0.163	0.145	1.736%	0.006	0.009	0.079	0.017
%RSD		2.809	161.200	54.330	2.664	117.800	284.200	85.350	12.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	68.286%	5.975	0.020	0.054	130.100	134.400	75.012%	75.599%
2	00:40:06	70.023%	4.794	0.061	0.044	137.600	132.100	77.801%	78.937%
3	00:40:48	71.984%	4.079	0.059	0.042	133.100	132.800	78.403%	80.740%
x		70.098%	4.949	0.047	0.047	133.600	133.100	77.072%	78.425%
σ		1.850%	0.958	0.023	0.006	3.779	1.178	1.809%	2.608%
%RSD		2.639	19.350	48.960	13.630	2.828	0.885	2.347	3.326

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	0.037	0.042	0.439	0.566	0.510	71.858%
2	00:40:06	0.024	0.029	0.476	0.367	0.419	75.681%
3	00:40:48	0.023	0.027	0.470	0.512	0.480	77.810%
x		0.028	0.032	0.462	0.482	0.470	75.116%
σ		0.008	0.008	0.020	0.103	0.047	3.016%
%RSD		27.640	24.670	4.315	21.310	9.908	4.015

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	83.854%	-0.031	99.190	96.530	0.000	112900.000	37760.000	37970.000
2	00:44:22	86.297%	-0.031	101.200	97.650	0.000	111000.000	37510.000	37690.000
3	00:45:04	86.113%	0.005	105.300	100.300	0.000	111800.000	37930.000	38100.000
x		85.421%	-0.019	101.900	98.160	0.000	111900.000	37730.000	37920.000
σ		1.361%	0.021	3.144	1.942	0.000	926.200	213.300	213.300
%RSD		1.593	112.100	3.085	1.979	0.000	0.828	0.565	0.563

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	3.493	5470.000	0.000	5457.000	49840.000	50300.000	64.997%	2.703
2	00:44:22	2.452	5426.000	0.000	5449.000	50590.000	50300.000	65.840%	2.510
3	00:45:04	2.761	5455.000	0.000	5495.000	50900.000	50440.000	66.249%	2.651
x		2.902	5450.000	0.000	5467.000	50440.000	50350.000	65.696%	2.621
σ		0.535	22.800	0.000	24.780	545.900	84.840	0.638%	0.100
%RSD		18.420	0.418	0.000	0.453	1.082	0.169	0.972	3.804

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	-4.321	0.342	642.000	28080.000	28220.000	0.230	1.213	3.738
2	00:44:22	-3.710	0.480	647.000	27780.000	28370.000	0.222	1.082	3.727
3	00:45:04	-4.767	0.521	649.000	27790.000	28650.000	0.186	0.864	3.774
x		-4.266	0.448	646.000	27880.000	28410.000	0.213	1.053	3.746
σ		0.530	0.093	3.597	173.000	217.800	0.023	0.176	0.025
%RSD		12.430	20.870	0.557	0.621	0.766	10.950	16.720	0.660

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	3.380	4.107	4.041	13.070	-1.647	-1.919	0.000	406.700
2	00:44:22	4.005	3.625	5.009	12.670	-1.243	-0.997	0.000	411.000
3	00:45:04	3.645	3.258	4.121	14.080	-0.262	-1.630	0.000	414.100
x		3.676	3.663	4.390	13.270	-1.051	-1.515	0.000	410.600
σ		0.314	0.426	0.537	0.724	0.712	0.471	0.000	3.718
%RSD		8.537	11.620	12.230	5.456	67.770	31.100	0.000	0.906

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	68.213%	0.048	-0.036	66.508%	0.005	0.005	-0.057	-0.013
2	00:44:22	68.928%	-0.114	0.007	68.150%	-0.001	-0.001	-0.095	-0.076
3	00:45:04	69.420%	-0.007	0.023	68.799%	0.004	-0.001	-0.011	-0.074
x		68.853%	-0.025	-0.002	67.819%	0.003	0.001	-0.054	-0.054
σ		0.607%	0.083	0.031	1.180%	0.003	0.004	0.042	0.036
%RSD		0.881	337.100	1406.000	1.741	116.300	365.200	76.560	66.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	71.132%	3.097	0.066	0.118	259.600	260.500	78.941%	79.454%
2	00:44:22	72.871%	2.668	0.116	0.181	262.800	257.800	79.787%	82.222%
3	00:45:04	73.420%	3.551	0.126	0.135	264.700	261.200	81.612%	82.698%
x		72.474%	3.105	0.102	0.145	262.400	259.800	80.113%	81.458%
σ		1.195%	0.441	0.032	0.033	2.557	1.768	1.365%	1.751%
%RSD		1.648	14.220	31.370	22.530	0.975	0.681	1.704	2.150

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	0.020	0.004	5.460	5.666	5.440	76.484%
2	00:44:22	-0.006	0.003	5.385	5.123	5.331	79.472%
3	00:45:04	0.006	0.004	4.977	5.362	5.207	80.714%
x		0.007	0.003	5.274	5.384	5.326	78.890%
σ		0.013	0.001	0.260	0.272	0.116	2.174%
%RSD		197.100	15.690	4.928	5.059	2.186	2.756

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	78.838%	0.008	18.210	21.140	0.000	23410.000	7658.000	7691.000
2	00:48:38	81.465%	-0.031	21.070	20.580	0.000	22840.000	7576.000	7611.000
3	00:49:20	81.345%	-0.031	18.080	19.810	0.000	22880.000	7525.000	7593.000
x		80.549%	-0.018	19.120	20.510	0.000	23040.000	7587.000	7632.000
σ		1.484%	0.022	1.690	0.672	0.000	317.500	66.850	51.910
%RSD		1.842	127.400	8.839	3.275	0.000	1.378	0.881	0.680

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	2.635	1144.000	0.000	1093.000	10170.000	10220.000	69.316%	0.586
2	00:48:38	0.824	1135.000	0.000	1089.000	10240.000	10100.000	69.989%	0.579
3	00:49:20	0.494	1127.000	0.000	1089.000	10540.000	10240.000	69.832%	0.358
x		1.318	1135.000	0.000	1090.000	10320.000	10190.000	69.712%	0.508
σ		1.152	8.738	0.000	2.119	193.200	72.900	0.352%	0.130
%RSD		87.460	0.770	0.000	0.194	1.873	0.716	0.505	25.530

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	-0.852	0.084	131.300	4838.000	5821.000	0.108	0.446	2.057
2	00:48:38	-0.280	0.047	130.000	4797.000	5747.000	0.032	0.414	2.188
3	00:49:20	-0.521	0.086	131.200	4789.000	5771.000	0.051	0.315	2.483
x		-0.551	0.072	130.900	4808.000	5780.000	0.063	0.392	2.243
σ		0.287	0.022	0.746	25.950	37.670	0.039	0.068	0.218
%RSD		52.100	30.190	0.570	0.540	0.652	62.130	17.330	9.730

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	2.294	2.656	2.690	2.949	0.305	-1.772	0.000	82.630
2	00:48:38	1.652	1.938	1.399	1.591	-1.130	-1.711	0.000	82.990
3	00:49:20	1.612	2.004	2.042	2.935	-2.068	-0.774	0.000	83.740
x		1.853	2.199	2.044	2.492	-0.964	-1.419	0.000	83.120
σ		0.383	0.397	0.646	0.780	1.195	0.560	0.000	0.569
%RSD		20.670	18.050	31.600	31.310	124.000	39.450	0.000	0.685

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	71.407%	-0.049	-0.054	72.321%	0.020	0.021	-0.051	-0.040
2	00:48:38	72.850%	-0.010	-0.014	73.826%	0.024	0.021	0.069	-0.013
3	00:49:20	72.259%	-0.142	-0.050	74.218%	0.009	0.004	0.031	-0.056
x		72.172%	-0.067	-0.040	73.455%	0.018	0.015	0.016	-0.036
σ		0.725%	0.068	0.022	1.001%	0.008	0.010	0.061	0.022
%RSD		1.005	101.200	55.260	1.363	44.910	63.710	372.000	59.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	74.335%	2.639	0.074	0.047	54.980	55.120	78.714%	80.459%
2	00:48:38	76.445%	2.725	0.044	0.024	54.110	52.720	80.944%	81.279%
3	00:49:20	76.417%	2.123	0.038	0.017	52.620	51.680	81.448%	82.123%
x		75.733%	2.496	0.052	0.029	53.900	53.170	80.369%	81.287%
σ		1.210%	0.326	0.019	0.016	1.192	1.765	1.455%	0.832%
%RSD		1.598	13.050	37.170	54.470	2.211	3.319	1.810	1.023

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	0.015	0.015	1.003	1.265	1.118	81.897%
2	00:48:38	0.011	0.012	1.017	1.092	1.088	85.005%
3	00:49:20	-0.002	-0.000	1.122	1.104	1.114	86.914%
x		0.008	0.009	1.047	1.154	1.107	84.605%
σ		0.009	0.008	0.065	0.096	0.016	2.532%
%RSD		106.100	89.220	6.219	8.324	1.478	2.993

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	86.117%	50.610	1076.000	1022.000	0.000	157900.000	87600.000	87900.000
2	00:52:54	86.665%	51.840	1072.000	1044.000	0.000	157600.000	87880.000	87720.000
3	00:53:37	88.510%	50.950	1067.000	1029.000	0.000	156300.000	87020.000	86990.000
x		87.097%	51.130	1072.000	1032.000	0.000	157300.000	87500.000	87540.000
σ		1.254%	0.635	4.571	10.900	0.000	856.200	442.000	481.400
%RSD		1.439	1.241	0.427	1.057	0.000	0.544	0.505	0.550

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	1720.000	14390.000	0.000	52630.000	100000.000	98680.000	66.161%	955.500
2	00:52:54	1717.000	14540.000	0.000	52420.000	99730.000	99980.000	66.980%	953.100
3	00:53:37	1715.000	14450.000	0.000	52160.000	99630.000	99860.000	67.261%	944.300
x		1717.000	14460.000	0.000	52400.000	99790.000	99510.000	66.801%	951.000
σ		2.456	72.340	0.000	237.200	186.500	717.200	0.571%	5.904
%RSD		0.143	0.500	0.000	0.453	0.187	0.721	0.855	0.621

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	477.300	194.100	1136.000	29380.000	29970.000	472.400	473.100	231.900
2	00:52:54	479.300	196.200	1145.000	29030.000	29960.000	472.100	467.800	233.900
3	00:53:37	476.400	195.500	1147.000	28900.000	30120.000	474.900	474.400	231.500
x		477.600	195.300	1143.000	29100.000	30010.000	473.100	471.800	232.400
σ		1.473	1.061	6.112	249.400	89.930	1.532	3.481	1.322
%RSD		0.308	0.543	0.535	0.857	0.300	0.324	0.738	0.569

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	230.100	479.900	474.600	48.060	6.425	9.026	0.000	1366.000
2	00:52:54	228.200	468.800	479.900	45.680	6.557	10.210	0.000	1357.000
3	00:53:37	231.200	478.700	489.300	48.760	9.545	8.325	0.000	1379.000
x		229.800	475.800	481.300	47.500	7.509	9.186	0.000	1367.000
σ		1.506	6.105	7.452	1.616	1.764	0.951	0.000	10.930
%RSD		0.655	1.283	1.548	3.402	23.500	10.360	0.000	0.799

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	68.423%	999.900	1006.000	65.975%	48.150	47.560	48.820	39.710
2	00:52:54	70.743%	999.400	1017.000	67.673%	48.500	47.340	46.680	39.850
3	00:53:37	70.372%	1021.000	1032.000	67.729%	49.560	48.120	49.470	40.520
x		69.846%	1007.000	1018.000	67.126%	48.730	47.670	48.320	40.030
σ		1.246%	12.350	12.820	0.997%	0.734	0.400	1.461	0.433
%RSD		1.784	1.227	1.259	1.485	1.506	0.839	3.023	1.083

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	70.824%	1938.000	487.500	484.600	2168.000	2161.000	77.076%	80.302%
2	00:52:54	72.888%	1941.000	483.900	489.500	2155.000	2137.000	81.595%	82.652%
3	00:53:37	72.845%	1986.000	496.400	492.100	2183.000	2164.000	82.419%	83.790%
x		72.186%	1955.000	489.300	488.700	2169.000	2154.000	80.364%	82.248%
σ		1.179%	26.490	6.409	3.768	14.010	14.590	2.877%	1.779%
%RSD		1.634	1.355	1.310	0.771	0.646	0.678	3.579	2.163

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	48.530	47.530	25.940	25.940	25.840	77.507%
2	00:52:54	47.430	47.180	25.370	25.260	25.490	82.161%
3	00:53:37	49.170	48.450	26.960	25.880	26.460	81.216%
x		48.370	47.720	26.090	25.690	25.930	80.295%
σ		0.879	0.655	0.805	0.380	0.489	2.460%
%RSD		1.818	1.373	3.085	1.478	1.884	3.064

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	85.843%	50.580	1090.000	1024.000	0.000	154400.000	86290.000	86540.000
2	00:57:12	86.770%	52.490	1080.000	1029.000	0.000	152800.000	85510.000	85820.000
3	00:57:53	87.392%	51.870	1081.000	1026.000	0.000	151700.000	85030.000	85000.000
x		86.669%	51.650	1083.000	1026.000	0.000	153000.000	85610.000	85790.000
σ		0.779%	0.977	5.606	2.881	0.000	1367.000	631.900	772.900
%RSD		0.899	1.892	0.518	0.281	0.000	0.894	0.738	0.901

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	1691.000	14460.000	0.000	51750.000	97300.000	96310.000	67.090%	936.800
2	00:57:12	1697.000	14480.000	0.000	51440.000	97830.000	96770.000	67.995%	958.600
3	00:57:53	1688.000	14410.000	0.000	50970.000	96160.000	96770.000	68.008%	941.300
x		1692.000	14450.000	0.000	51390.000	97100.000	96620.000	67.698%	945.600
σ		4.780	36.290	0.000	392.600	851.200	267.100	0.526%	11.510
%RSD		0.283	0.251	0.000	0.764	0.877	0.276	0.777	1.218

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	468.200	192.900	1099.000	28250.000	28830.000	473.000	465.000	231.200
2	00:57:12	475.600	190.700	1101.000	27930.000	29120.000	474.200	463.900	234.700
3	00:57:53	472.600	192.000	1107.000	27890.000	28930.000	472.300	471.500	228.600
x		472.100	191.900	1102.000	28020.000	28960.000	473.200	466.800	231.500
σ		3.727	1.130	4.528	194.500	148.300	0.931	4.088	3.032
%RSD		0.789	0.589	0.411	0.694	0.512	0.197	0.876	1.310

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	234.600	461.800	464.000	47.810	7.238	12.070	0.000	1346.000
2	00:57:12	233.000	469.900	466.900	49.240	9.140	7.026	0.000	1341.000
3	00:57:53	232.300	464.900	460.800	51.080	7.844	7.043	0.000	1338.000
x		233.300	465.500	463.900	49.380	8.074	8.713	0.000	1342.000
σ		1.182	4.094	3.066	1.641	0.972	2.908	0.000	3.764
%RSD		0.507	0.880	0.661	3.324	12.040	33.370	0.000	0.281

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	68.530%	996.400	1004.000	66.549%	47.990	46.600	46.800	39.500
2	00:57:12	69.978%	1006.000	1021.000	67.809%	47.370	47.210	44.870	37.290
3	00:57:53	70.189%	1001.000	1016.000	68.288%	46.430	48.040	46.470	39.130
x		69.566%	1001.000	1014.000	67.549%	47.260	47.280	46.050	38.640
σ		0.903%	4.735	8.490	0.898%	0.786	0.724	1.031	1.186
%RSD		1.298	0.473	0.838	1.330	1.663	1.531	2.239	3.069

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	71.370%	1925.000	479.000	478.100	2130.000	2111.000	79.606%	80.982%
2	00:57:12	72.979%	1934.000	480.400	478.300	2118.000	2097.000	81.833%	83.384%
3	00:57:53	72.941%	1932.000	482.100	483.800	2146.000	2116.000	81.453%	83.275%
x		72.430%	1930.000	480.500	480.100	2132.000	2108.000	80.964%	82.547%
σ		0.918%	4.535	1.595	3.221	14.070	9.915	1.191%	1.357%
%RSD		1.267	0.235	0.332	0.671	0.660	0.470	1.471	1.643

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	48.600	47.880	25.400	25.030	25.250	77.646%
2	00:57:12	49.020	47.250	25.310	25.460	25.380	80.977%
3	00:57:53	48.980	48.390	25.320	25.510	25.320	80.591%
x		48.870	47.840	25.340	25.330	25.320	79.738%
σ		0.235	0.569	0.053	0.266	0.061	1.822%
%RSD		0.482	1.190	0.208	1.048	0.241	2.285

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	86.571%	0.005	61.210	63.450	0.000	15300.000	15700.000	15710.000
2	01:01:28	87.795%	0.040	68.720	62.130	0.000	15400.000	15890.000	15940.000
3	01:02:10	90.677%	-0.031	60.590	58.690	0.000	15080.000	15660.000	15680.000
x		88.348%	0.005	63.510	61.420	0.000	15260.000	15750.000	15780.000
σ		2.108%	0.035	4.524	2.458	0.000	163.100	119.600	144.500
%RSD		2.386	711.500	7.124	4.002	0.000	1.069	0.760	0.916

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	55.960	6120.000	0.000	5277.000	64410.000	62920.000	66.302%	7.266
2	01:01:28	56.080	6221.000	0.000	5357.000	63530.000	64390.000	66.475%	5.995
3	01:02:10	52.780	6114.000	0.000	5300.000	64500.000	63560.000	66.775%	5.654
x		54.940	6152.000	0.000	5311.000	64150.000	63620.000	66.517%	6.305
σ		1.872	60.340	0.000	40.910	531.900	738.300	0.239%	0.849
%RSD		3.407	0.981	0.000	0.770	0.829	1.160	0.360	13.470

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	1.063	1.333	311.600	2433.000	3071.000	0.524	1.438	3.748
2	01:01:28	-0.539	1.477	316.000	2451.000	3108.000	0.322	1.663	4.556
3	01:02:10	-2.704	1.272	313.400	2428.000	3044.000	0.266	1.359	4.159
x		-0.727	1.361	313.700	2437.000	3074.000	0.371	1.487	4.154
σ		1.891	0.106	2.187	12.170	32.310	0.136	0.158	0.404
%RSD		260.200	7.750	0.697	0.499	1.051	36.680	10.620	9.728

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	4.184	3.625	3.378	-1.007	-1.519	-1.695	0.000	353.200
2	01:01:28	3.892	3.704	3.815	0.413	-0.408	-1.291	0.000	360.400
3	01:02:10	3.930	2.796	3.533	3.258	-2.004	-1.985	0.000	354.300
x		4.002	3.375	3.576	0.888	-1.311	-1.657	0.000	356.000
σ		0.159	0.503	0.221	2.172	0.818	0.348	0.000	3.888
%RSD		3.962	14.910	6.188	244.600	62.430	21.030	0.000	1.092

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	68.360%	5.416	5.212	67.880%	0.027	0.034	0.157	0.048
2	01:01:28	69.414%	3.099	3.284	69.490%	0.010	0.010	-0.086	-0.137
3	01:02:10	70.453%	2.483	2.103	69.713%	0.004	0.005	0.008	-0.132
x		69.409%	3.666	3.533	69.028%	0.014	0.016	0.026	-0.073
σ		1.046%	1.546	1.569	1.000%	0.012	0.016	0.122	0.105
%RSD		1.508	42.180	44.420	1.449	85.690	95.810	462.200	143.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	72.944%	11.030	0.444	0.477	55.500	54.080	78.758%	79.081%
2	01:01:28	73.489%	7.757	0.320	0.290	55.990	56.500	80.192%	81.514%
3	01:02:10	74.572%	6.816	0.259	0.220	55.730	55.380	81.144%	82.525%
x		73.668%	8.533	0.341	0.329	55.740	55.320	80.031%	81.040%
σ		0.829%	2.209	0.094	0.133	0.246	1.211	1.201%	1.770%
%RSD		1.125	25.890	27.670	40.460	0.441	2.189	1.501	2.184

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	0.569	0.571	0.244	0.268	0.300	79.125%
2	01:01:28	0.424	0.369	0.298	0.280	0.309	81.777%
3	01:02:10	0.305	0.265	0.259	0.331	0.289	83.485%
x		0.433	0.402	0.267	0.293	0.299	81.462%
σ		0.132	0.156	0.028	0.034	0.010	2.197%
%RSD		30.530	38.840	10.580	11.560	3.267	2.697

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	82.624%	0.120	91.370	84.020	0.000	129000.000	19530.000	19700.000
2	01:05:46	83.376%	0.007	92.500	86.850	0.000	128000.000	19630.000	19720.000
3	01:06:28	84.977%	0.079	90.740	85.710	0.000	127700.000	19580.000	19730.000
x		83.659%	0.069	91.540	85.530	0.000	128200.000	19580.000	19720.000
σ		1.201%	0.057	0.894	1.421	0.000	690.700	50.480	18.040
%RSD		1.436	83.580	0.976	1.661	0.000	0.539	0.258	0.092

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	22.480	8233.000	0.000	15230.000	75280.000	75440.000	63.994%	4.937
2	01:05:46	22.260	8260.000	0.000	15220.000	76750.000	75960.000	64.254%	4.915
3	01:06:28	23.300	8276.000	0.000	15200.000	77340.000	76680.000	64.060%	5.171
x		22.680	8256.000	0.000	15220.000	76460.000	76030.000	64.103%	5.008
σ		0.550	22.000	0.000	16.190	1060.000	621.400	0.135%	0.142
%RSD		2.425	0.266	0.000	0.106	1.387	0.817	0.211	2.834

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	0.092	1.187	5140.000	11240.000	11280.000	0.185	1.466	2.118
2	01:05:46	0.264	1.426	5190.000	11140.000	11450.000	0.334	0.936	2.672
3	01:06:28	-0.815	1.266	5233.000	11180.000	11510.000	0.279	1.198	2.699
x		-0.153	1.293	5187.000	11180.000	11420.000	0.266	1.200	2.496
σ		0.579	0.122	46.660	48.740	120.000	0.075	0.265	0.328
%RSD		378.500	9.431	0.900	0.436	1.051	28.340	22.090	13.140

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	2.322	6.022	7.333	8.908	-1.874	0.515	0.000	780.400
2	01:05:46	2.800	6.870	7.468	8.276	-2.789	-0.804	0.000	786.100
3	01:06:28	2.563	5.903	6.849	7.434	-0.430	-0.763	0.000	786.800
x		2.561	6.265	7.217	8.206	-1.697	-0.351	0.000	784.400
σ		0.239	0.528	0.325	0.739	1.189	0.750	0.000	3.482
%RSD		9.329	8.419	4.510	9.010	70.060	213.900	0.000	0.444

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	65.963%	0.737	0.837	64.021%	0.017	0.006	0.023	-0.092
2	01:05:46	66.979%	0.767	0.904	65.466%	0.011	0.005	-0.096	-0.232
3	01:06:28	67.219%	0.538	0.664	65.469%	0.005	0.005	-0.100	-0.027
x		66.720%	0.681	0.801	64.985%	0.011	0.005	-0.058	-0.117
σ		0.667%	0.124	0.124	0.835%	0.006	0.000	0.070	0.104
%RSD		0.999	18.250	15.460	1.285	55.150	3.262	121.000	89.120

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	68.898%	4.933	0.275	0.232	179.300	175.600	76.125%	77.221%
2	01:05:46	69.961%	5.282	0.223	0.251	181.700	179.400	77.754%	79.862%
3	01:06:28	71.245%	4.808	0.254	0.201	180.300	177.900	78.985%	79.900%
x		70.035%	5.008	0.251	0.228	180.400	177.700	77.621%	78.994%
σ		1.175%	0.246	0.026	0.025	1.214	1.904	1.435%	1.536%
%RSD		1.678	4.906	10.550	11.120	0.673	1.072	1.849	1.944

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	0.194	0.214	0.502	0.663	0.568	74.837%
2	01:05:46	0.172	0.156	0.562	0.454	0.526	77.068%
3	01:06:28	0.176	0.144	0.550	0.479	0.517	78.191%
x		0.181	0.171	0.538	0.532	0.537	76.699%
σ		0.012	0.037	0.032	0.114	0.028	1.707%
%RSD		6.654	21.740	5.861	21.410	5.138	2.226

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	83.211%	-0.031	45.880	45.080	0.000	202200.000	50020.000	50410.000
2	01:10:04	82.763%	0.007	46.610	46.830	0.000	203000.000	51020.000	51330.000
3	01:10:46	85.376%	0.079	50.320	44.480	0.000	200000.000	50510.000	50940.000
x		83.783%	0.018	47.600	45.460	0.000	201700.000	50520.000	50890.000
σ		1.398%	0.055	2.383	1.221	0.000	1559.000	498.200	463.200
%RSD		1.668	304.100	5.005	2.686	0.000	0.773	0.986	0.910

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	154.600	9649.000	0.000	4035.000	64900.000	65760.000	65.059%	12.180
2	01:10:04	156.700	9771.000	0.000	4094.000	66340.000	66160.000	65.492%	11.070
3	01:10:46	152.600	9631.000	0.000	4098.000	67410.000	66410.000	66.083%	10.890
x		154.600	9684.000	0.000	4076.000	66220.000	66110.000	65.545%	11.380
σ		2.036	76.170	0.000	35.620	1256.000	326.000	0.514%	0.701
%RSD		1.317	0.787	0.000	0.874	1.897	0.493	0.785	6.160

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	-2.458	0.549	436.700	48310.000	49060.000	0.384	0.920	3.087
2	01:10:04	-2.581	0.690	442.700	48120.000	49720.000	0.312	0.584	3.179
3	01:10:46	-3.002	0.734	441.100	47820.000	49820.000	0.386	1.150	3.239
x		-2.680	0.657	440.200	48080.000	49530.000	0.361	0.884	3.168
σ		0.285	0.097	3.109	244.700	415.800	0.042	0.285	0.076
%RSD		10.640	14.680	0.706	0.509	0.840	11.760	32.170	2.410

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	2.656	3.970	3.928	12.200	0.258	-0.892	0.000	631.700
2	01:10:04	2.240	3.810	4.019	11.860	-1.092	-0.768	0.000	643.900
3	01:10:46	3.589	3.309	4.114	10.870	-0.135	-0.105	0.000	645.800
x		2.828	3.696	4.020	11.640	-0.323	-0.589	0.000	640.500
σ		0.691	0.345	0.093	0.689	0.695	0.423	0.000	7.668
%RSD		24.430	9.332	2.307	5.913	215.200	71.880	0.000	1.197

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	67.886%	0.486	0.414	65.288%	0.005	0.011	-0.078	-0.197
2	01:10:04	68.857%	0.313	0.428	66.972%	0.005	0.005	-0.053	-0.010
3	01:10:46	69.833%	0.384	0.439	67.629%	-0.001	-0.007	-0.006	-0.101
x		68.859%	0.395	0.427	66.630%	0.003	0.003	-0.046	-0.103
σ		0.974%	0.087	0.013	1.207%	0.003	0.009	0.036	0.094
%RSD		1.414	22.060	2.929	1.812	113.600	295.900	79.410	91.270

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	70.094%	4.756	0.193	0.144	226.200	220.600	77.339%	78.188%
2	01:10:04	72.515%	4.521	0.157	0.183	222.600	224.400	78.876%	81.357%
3	01:10:46	72.645%	4.054	0.139	0.182	230.600	222.000	79.976%	82.184%
x		71.751%	4.444	0.163	0.169	226.500	222.300	78.730%	80.576%
σ		1.437%	0.358	0.027	0.022	4.004	1.883	1.324%	2.109%
%RSD		2.003	8.045	16.780	13.190	1.768	0.847	1.682	2.618

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	0.082	0.087	0.797	0.761	0.730	74.217%
2	01:10:04	0.092	0.092	0.746	0.667	0.743	78.395%
3	01:10:46	0.047	0.069	0.697	0.696	0.726	79.532%
x		0.074	0.083	0.747	0.708	0.733	77.381%
σ		0.024	0.012	0.050	0.048	0.009	2.799%
%RSD		32.190	14.790	6.695	6.817	1.184	3.617

180-17288-A-10-A 12/30/2012 1:12:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	83.083%	0.081	122.600	120.400	0.000	114900.000	30100.000	30150.000
2	01:14:22	85.577%	0.187	118.600	116.700	0.000	113900.000	30280.000	30420.000
3	01:15:03	86.724%	0.113	127.900	113.600	0.000	113000.000	29910.000	30200.000
x		85.128%	0.127	123.100	116.900	0.000	113900.000	30090.000	30260.000
σ		1.862%	0.054	4.684	3.423	0.000	991.500	184.800	142.600
%RSD		2.187	42.800	3.807	2.928	0.000	0.870	0.614	0.471

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	81.860	10850.000	0.000	7220.000	78380.000	77290.000	66.037%	10.200
2	01:14:22	86.490	10950.000	0.000	7314.000	78940.000	78620.000	66.417%	10.290
3	01:15:03	85.030	10910.000	0.000	7349.000	79030.000	78740.000	66.974%	9.970
x		84.460	10900.000	0.000	7294.000	78780.000	78220.000	66.476%	10.150
σ		2.368	46.890	0.000	67.110	353.900	808.400	0.471%	0.164
%RSD		2.803	0.430	0.000	0.920	0.449	1.034	0.709	1.619

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	0.752	1.957	523.600	57300.000	58070.000	0.457	3.863	7.266
2	01:14:22	2.003	2.113	530.900	57340.000	59170.000	0.559	4.503	7.395
3	01:15:03	0.918	1.900	531.900	57070.000	59240.000	0.491	3.622	7.557
x		1.224	1.990	528.800	57240.000	58830.000	0.502	3.996	7.406
σ		0.680	0.110	4.527	146.900	658.100	0.052	0.455	0.146
%RSD		55.520	5.544	0.856	0.257	1.119	10.340	11.400	1.964

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	6.451	34.420	34.180	19.530	-0.513	-0.468	0.000	691.800
2	01:14:22	6.961	31.850	30.640	18.410	-0.424	0.499	0.000	701.300
3	01:15:03	6.970	33.340	36.480	20.660	-0.179	-0.039	0.000	698.500
x		6.794	33.200	33.770	19.530	-0.372	-0.003	0.000	697.200
σ		0.297	1.292	2.946	1.126	0.173	0.484	0.000	4.891
%RSD		4.374	3.892	8.726	5.763	46.600	18840.000	0.000	0.702

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	68.589%	0.519	0.495	67.177%	-0.001	0.011	0.022	0.040
2	01:14:22	69.839%	0.519	0.556	68.522%	0.054	0.022	0.005	-0.027
3	01:15:03	70.557%	0.495	0.538	69.301%	0.021	0.005	-0.010	-0.078
x		69.662%	0.511	0.530	68.333%	0.025	0.013	0.006	-0.022
σ		0.996%	0.014	0.031	1.075%	0.028	0.009	0.016	0.059
%RSD		1.429	2.744	5.901	1.573	112.300	70.830	279.700	271.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	71.831%	3.605	0.363	0.424	173.200	168.000	78.373%	80.756%
2	01:14:22	73.163%	4.010	0.417	0.509	171.200	172.000	81.888%	83.017%
3	01:15:03	73.742%	3.704	0.404	0.529	169.700	170.300	80.944%	83.495%
x		72.912%	3.773	0.395	0.487	171.400	170.100	80.402%	82.423%
σ		0.980%	0.212	0.028	0.056	1.778	1.981	1.820%	1.463%
%RSD		1.344	5.606	7.201	11.390	1.037	1.165	2.263	1.775

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	0.065	0.071	1.568	1.518	1.524	77.449%
2	01:14:22	0.089	0.088	1.528	1.465	1.524	80.467%
3	01:15:03	0.072	0.084	1.468	1.376	1.450	81.928%
x		0.076	0.081	1.522	1.453	1.499	79.948%
σ		0.013	0.009	0.050	0.072	0.042	2.284%
%RSD		16.720	10.810	3.300	4.938	2.834	2.857

CCV 664806 12/30/2012 1:20:06 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	76.065%	103.200	99.320	95.590	0.000	47810.000	40940.000	41030.000
2	01:21:30	77.297%	99.730	94.770	96.790	0.000	46840.000	40930.000	41150.000
3	01:22:11	77.878%	100.300	98.680	94.310	0.000	46580.000	40930.000	41230.000
x		77.080%	101.063%	97.590%	95.564%	0.000	94.154%	81.860%	82.270%
σ		0.926%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.201	1.840	2.520	1.297	0.000	1.369	0.015	0.249

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	457.100	4872.000	0.000	48620.000	47730.000	46680.000	72.992%	97.390
2	01:21:30	453.300	4851.000	0.000	48320.000	47740.000	47410.000	73.763%	98.090
3	01:22:11	468.600	4844.000	0.000	47960.000	47450.000	46880.000	74.761%	97.390
x		91.937%	97.113%	0.000	96.599%	95.280%	93.980%	73.838%	97.625%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.887%	n/a
%RSD		1.725	0.299	0.000	0.691	0.350	0.805	1.201	0.416

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	98.100	98.440	475.500	24750.000	24030.000	98.800	98.010	100.900
2	01:21:30	96.640	99.160	481.200	24540.000	24380.000	100.800	103.200	103.300
3	01:22:11	96.730	98.340	478.000	24320.000	24260.000	99.020	103.300	101.800
x		97.156%	98.647%	95.644%	98.139%	96.891%	99.545%	101.484%	101.998%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.842	0.455	0.597	0.869	0.733	1.110	2.963	1.227

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	102.500	99.370	102.700	100.000	96.440	97.170	0.000	97.940
2	01:21:30	101.400	99.300	102.600	100.400	96.620	102.300	0.000	96.370
3	01:22:11	105.200	102.400	103.100	97.710	92.220	98.460	0.000	97.880
x		103.047%	100.367%	102.791%	99.393%	95.092%	99.315%	0.000	97.398%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.866	1.782	0.251	1.480	2.622	2.695	0.000	0.912

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	73.136%	98.880	98.690	72.562%	97.610	98.680	96.940	94.860
2	01:21:30	75.823%	98.510	99.880	75.189%	97.810	98.620	98.810	97.830
3	01:22:11	76.007%	103.000	102.700	75.986%	98.900	97.550	98.110	95.540
x		74.989%	100.138%	100.420%	74.579%	98.110%	98.284%	97.953%	96.076%
σ		1.607%	n/a	n/a	1.791%	n/a	n/a	n/a	n/a
%RSD		2.143	2.503	2.043	2.402	0.710	0.652	0.966	1.619

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	75.077%	99.070	98.460	99.410	95.300	97.730	79.270%	80.212%
2	01:21:30	76.438%	99.860	99.810	100.900	96.950	98.610	81.587%	82.631%
3	01:22:11	78.464%	97.220	97.410	98.630	96.440	97.350	83.749%	84.881%
x		76.660%	98.717%	98.562%	99.661%	96.230%	97.896%	81.535%	82.574%
σ		1.704%	n/a	n/a	n/a	n/a	n/a	2.240%	2.335%
%RSD		2.223	1.370	1.221	1.179	0.876	0.660	2.748	2.828

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	101.000	101.000	103.900	101.400	102.600	76.239%
2	01:21:30	101.500	101.400	103.700	103.100	103.200	79.334%
3	01:22:11	101.200	100.800	101.600	101.900	102.000	81.278%
x		101.245%	101.095%	103.092%	102.141%	102.578%	78.950%
σ		n/a	n/a	n/a	n/a	n/a	2.542%
%RSD		0.257	0.304	1.253	0.858	0.575	3.219

CCB 10 12/30/2012 1:27:15 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	90.103%	0.003	0.934	1.943	0.000	-20.830	31.090	31.680
2	01:28:38	90.671%	0.104	0.924	1.881	0.000	26.030	51.910	52.730
3	01:29:20	90.866%	0.003	2.984	1.753	0.000	5.032	45.780	48.070
x		90.547%	0.037	1.614	1.859	0.000	3.412	42.930	44.160
σ		0.396%	0.058	1.187	0.097	0.000	23.470	10.700	11.050
%RSD		0.437	158.800	73.520	5.204	0.000	688.000	24.930	25.030

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	-0.575	1.698	0.000	8.713	105.500	60.650	86.927%	-0.027
2	01:28:38	3.126	3.571	0.000	26.180	105.800	114.500	86.710%	0.512
3	01:29:20	1.991	3.300	0.000	15.790	135.800	89.090	87.361%	0.091
x		1.514	2.856	0.000	16.890	115.700	88.070	87.000%	0.192
σ		1.896	1.012	0.000	8.785	17.420	26.930	0.331%	0.284
%RSD		125.200	35.450	0.000	52.000	15.050	30.570	0.381	147.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	0.197	0.047	0.606	24.050	36.220	0.093	0.008	0.408
2	01:28:38	0.091	0.173	1.353	31.800	48.810	0.120	0.068	0.620
3	01:29:20	0.123	0.074	1.039	26.590	34.910	0.130	0.147	0.499
x		0.137	0.098	0.999	27.480	39.980	0.114	0.074	0.509
σ		0.054	0.066	0.375	3.952	7.674	0.019	0.070	0.107
%RSD		39.530	67.580	37.570	14.380	19.190	16.690	93.680	20.940

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	0.401	0.484	0.608	-0.115	-0.748	-1.105	0.000	0.821
2	01:28:38	0.681	0.952	0.486	-0.222	-1.117	-0.526	0.000	1.501
3	01:29:20	0.657	0.879	0.878	0.130	-1.125	-0.660	0.000	1.116
x		0.579	0.772	0.657	-0.069	-0.997	-0.764	0.000	1.146
σ		0.155	0.252	0.201	0.180	0.215	0.303	0.000	0.341
%RSD		26.810	32.640	30.510	260.700	21.610	39.710	0.000	29.760

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	83.451%	0.164	0.238	86.575%	0.034	0.056	0.099	-0.036
2	01:28:38	84.275%	0.310	0.195	87.276%	0.091	0.084	-0.012	-0.013
3	01:29:20	84.344%	0.233	0.201	87.601%	0.073	0.026	0.061	0.004
x		84.023%	0.236	0.211	87.151%	0.066	0.056	0.049	-0.015
σ		0.497%	0.073	0.023	0.524%	0.029	0.029	0.057	0.020
%RSD		0.591	31.060	10.930	0.601	44.320	52.180	114.900	133.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	83.826%	0.725	0.104	0.065	0.386	0.545	82.725%	83.335%
2	01:28:38	85.266%	0.736	0.097	0.160	0.585	0.625	84.530%	85.430%
3	01:29:20	87.006%	0.638	0.070	0.119	0.294	0.466	84.677%	86.024%
x		85.366%	0.700	0.091	0.115	0.422	0.545	83.977%	84.930%
σ		1.592%	0.054	0.018	0.047	0.149	0.080	1.087%	1.413%
%RSD		1.865	7.685	19.640	41.350	35.240	14.600	1.295	1.663

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	0.126	0.088	0.056	0.064	0.066	85.004%
2	01:28:38	0.108	0.103	0.072	0.127	0.099	86.509%
3	01:29:20	0.119	0.103	0.068	0.102	0.082	87.318%
x		0.118	0.098	0.066	0.098	0.083	86.277%
σ		0.009	0.009	0.008	0.031	0.016	1.174%
%RSD		7.354	9.265	12.750	32.160	19.860	1.361

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69001 Batch Start Date: 12/17/12 09:51 Batch Analyst: Heakin, David

Batch Method: 7471A Batch End Date: 12/17/12 10:21

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00413	MTHGCALW 00292	MTHGICVW 00450	MTKMnO4Liq 00009
ICV 240-69001/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-69001/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-69001/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-69001/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-69001/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00052865

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69021 Batch Start Date: 12/17/12 15:15 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 12/17/12 15:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00413	MTHGICVW 00450	MTKMnO4Liq 00009	
MB 240-69021/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-69021/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-18581-H-7	072SB-0056-0001-SO	7471A, 7471/DOD	T	0.53 g	100 mL	5 mL		15 mL	
240-18581-H-8	072SB-0057-0001-SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-18581-H-9	072SB-0058-0001-SO	7471A, 7471/DOD	T	0.52 g	100 mL	5 mL		15 mL	
240-18581-H-10	072SB-0059-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-18581-H-11	072SB-0060-0001-SO	7471A, 7471/DOD	T	0.63 g	100 mL	5 mL		15 mL	
240-18581-H-13	072SB-0070-0001-SO	7471A, 7471/DOD	T	0.58 g	100 mL	5 mL		15 mL	
240-18581-H-14	072SB-0071-0001-SO	7471A, 7471/DOD	T	0.63 g	100 mL	5 mL		15 mL	
240-18581-H-15	072SB-0072-0001-SO	7471A, 7471/DOD	T	0.51 g	100 mL	5 mL		15 mL	
240-18581-H-16	072SB-0073-0001-SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	00052865

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69805 Batch Start Date: 12/21/12 14:10 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 12/21/12 14:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00416	MTHGICVW 00454	MTKMnO4Liq 00010	
MB 240-69805/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-69805/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-18581-M-1-A	070SB-0042M-0001-SO	7471A, 7471/DOD	T	0.63 g	100 mL	5 mL		15 mL	
240-18581-L-3-A	070SB-044M-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-18581-K-5-A	070SB-046M-0001-SO	7471A, 7471/DOD	T	0.68 g	100 mL	5 mL		15 mL	
240-18581-H-6-A	070SB-047M-0001-SO	7471A, 7471/DOD	T	0.66 g	100 mL	5 mL		15 mL	
240-18581-B-17-A	070SS-0048M-0001-SO	7471A, 7471/DOD	T	0.63 g	100 mL	5 mL		15 mL	
240-18581-B-18-A	070SB-0049M-0001-SO	7471A, 7471/DOD	T	0.66 g	100 mL	5 mL		15 mL	
240-18581-B-19-A	070SB-0050M-0001-SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-18581-B-20-A	070SB-0051M-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-18581-B-21-A	070SB-0052M-0001-SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL		15 mL	
240-18581-B-22-A	070SB-0053M-0001-SO	7471A, 7471/DOD	T	0.64 g	100 mL	5 mL		15 mL	
240-18581-B-23-A	070SB-0054M-0001-SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	00053273

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 70130 Batch Start Date: 12/26/12 13:25 Batch Analyst: Heakin, David

Batch Method: 7471A Batch End Date: 12/26/12 13:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00417	MTHGCALW 00294	MTHGICVW 00455	MTKMnO4Liq 00010
ICV 240-70130/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-70130/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-70130/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-70130/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-70130/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00053273

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Batch Number: 59183 Batch Start Date: 12/17/12 12:42 Batch Analyst: Reinheimer, Bill

Batch Method: 3050B Batch End Date: 12/29/12 09:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	CANMS2 00001	CANMSA_High 00001	CANMSB_High 00001
MB 180-59183/1		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL			
LCS 180-59183/2		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL	1 mL	1 mL	1 mL
240-18581-I-7	072SB-0056-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.21 g	100 mL			
240-18581-I-8	072SB-0057-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.06 g	100 mL			
240-18581-I-9	072SB-0058-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.30 g	100 mL			
240-18581-I-10	072SB-0059-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.08 g	100 mL			
240-18581-I-11	072SB-0060-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.13 g	100 mL			
240-18581-I-13	072SB-0070-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.20 g	100 mL			
240-18581-I-14	072SB-0071-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.01 g	100 mL			
240-18581-I-15	072SB-0072-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.14 g	100 mL			
240-18581-I-16	072SB-0073-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.03 g	100 mL			

Batch Notes	
Analyst	Dale Elshaw Canton Lab
Balance ID	b039
Batch Comment	Samples were prepared in Canton Lab. Batched @ Pitt for TALS upload.
Filter Paper Lot Number	7027633
Hydrogen peroxide lot number	10 mL 0000014472
Lot # of hydrochloric acid	10 mL 0000013500
Logbook ID for diluted Nitric	5 mL K47022
Lot # of Nitric Acid	10 mL K47022
Pipette ID	383364-383389
Digestion Tube/Cup Lot #	121013

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Batch Number: 59183 Batch Start Date: 12/17/12 12:42 Batch Analyst: Reinheimer, Bill

Batch Method: 3050B Batch End Date: 12/29/12 09:02

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Batch Number: 59314 Batch Start Date: 12/24/12 11:30 Batch Analyst: Haluck, Caitlyn

Batch Method: 3050B Batch End Date: 12/24/12 13:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MTAPITTICPMS 00010	MTAPITTMSA 00012	MTAPITTMSC 00016
MB 180-59314/1		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.04 g	100 mL			
LCS 180-59314/2		3050B, 6020/DOD		NO %SOLIDS FOUND	1.0 g	100 mL	1 mL	1 mL	1 mL
LCSD 180-59314/3		3050B, 6020/DOD		NO %SOLIDS FOUND	1.0 g	100 mL	1 mL	1 mL	1 mL
240-18581-O-1	070SB-0042M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.03 g	100 mL			
240-18581-O-3	070SB-044M-0001- SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.02 g	100 mL			
240-18581-M-5	070SB-046M-0001- SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.03 g	100 mL			
240-18581-I-6	070SB-047M-0001- SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			
240-18581-C-17	070SS-0048M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.04 g	100 mL			
240-18581-C-18	070SB-0049M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.01 g	100 mL			
240-18581-C-19	070SB-0050M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			
240-18581-C-20	070SB-0051M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			
240-18581-C-21	070SB-0052M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			
240-18581-C-22	070SB-0053M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.02 g	100 mL			
240-18581-C-23	070SB-0054M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.01 g	100 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 180-59314/1		3050B, 6020/DOD		00001.04					
LCS 180-59314/2		3050B, 6020/DOD		00001.03					
LCSD 180-59314/3		3050B, 6020/DOD		00001.03					
240-18581-O-1	070SB-0042M-0001 -SO	3050B, 6020/DOD	T						
240-18581-O-3	070SB-044M-0001- SO	3050B, 6020/DOD	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Batch Number: 59314 Batch Start Date: 12/24/12 11:30 Batch Analyst: Haluck, Caitlyn

Batch Method: 3050B Batch End Date: 12/24/12 13:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
240-18581-M-5	070SB-046M-0001-SO	3050B, 6020/DOD	T						
240-18581-I-6	070SB-047M-0001-SO	3050B, 6020/DOD	T						
240-18581-C-17	070SS-0048M-0001-SO	3050B, 6020/DOD	T						
240-18581-C-18	070SB-0049M-0001-SO	3050B, 6020/DOD	T						
240-18581-C-19	070SB-0050M-0001-SO	3050B, 6020/DOD	T						
240-18581-C-20	070SB-0051M-0001-SO	3050B, 6020/DOD	T						
240-18581-C-21	070SB-0052M-0001-SO	3050B, 6020/DOD	T						
240-18581-C-22	070SB-0053M-0001-SO	3050B, 6020/DOD	T						
240-18581-C-23	070SB-0054M-0001-SO	3050B, 6020/DOD	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18581-1

SDG No.:

Batch Number: 59314 Batch Start Date: 12/24/12 11:30 Batch Analyst: Haluck, Caitlyn

Batch Method: 3050B Batch End Date: 12/24/12 13:45

Batch Notes	
Analyst	CH
Balance ID	P1856710
Batch Comment	METALS B6
First End time	1345
Filter Paper Lot Number	6637617B
Hydrogen peroxide lot number	10ML 648630
Logbook ID for diluted Nitric	10ML 671814
Lot # of Nitric Acid	5ML 683534
Hot Block ID number	#9
Nominal Amount Used	1.0 g
Oven, Bath or Block Temperature 1	96 Degrees C
Pipette ID	J1102764U
Perform Calculation (0=No, 1=Yes)	1
First Start time	1130
Temperature	96 Degrees C
ID number of the thermometer	IP8 (0.0) C5
Digestion Tube/Cup Lot #	MF06LKK01
Uncorrected Temperature	96 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18581-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
070SB-0042M-0001-SO	240-18581-1
070SB-043M-0001-SO	240-18581-2
070SB-044M-0001-SO	240-18581-3
070SB-045M-0001-SO	240-18581-4
070SB-046M-0001-SO	240-18581-5
070SB-047M-0001-SO	240-18581-6
072SB-0056-0001-SO	240-18581-7
072SB-0057-0001-SO	240-18581-8
072SB-0058-0001-SO	240-18581-9
072SB-0059-0001-SO	240-18581-10
072SB-0060-0001-SO	240-18581-11
072SB-0070-0001-SO	240-18581-13
072SB-0071-0001-SO	240-18581-14
072SB-0072-0001-SO	240-18581-15
072SB-0073-0001-SO	240-18581-16
070SS-0048M-0001-SO	240-18581-17
070SB-0049M-0001-SO	240-18581-18
070SB-0050M-0001-SO	240-18581-19
070SB-0051M-0001-SO	240-18581-20
070SB-0052M-0001-SO	240-18581-21
070SB-0053M-0001-SO	240-18581-22
070SB-0054M-0001-SO	240-18581-23

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18581-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
070SB-0042M-0001-SO	240-18581-1
070SB-044M-0001-SO	240-18581-3
070SB-046M-0001-SO	240-18581-5

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 070SB-0042M-0001-SO
Lab Sample ID: 240-18581-1
Lab Name: TestAmerica Sacramento
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 11:45
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	7.5	45	16	7.0	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 070SB-044M-0001-SO
Lab Sample ID: 240-18581-3
Lab Name: TestAmerica Sacramento
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 11:15
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	8.3	41	15	6.4	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 070SB-046M-0001-SO
Lab Sample ID: 240-18581-5
Lab Name: TestAmerica Sacramento
Job No.: 240-18581-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/07/2012 10:50
Reporting Basis: WET
Date Received: 12/08/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	8.2	47	17	7.4	mg/Kg	J		1	WS-WC-0050

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Analyst: JB Batch Start Date: 12/20/2012

Reporting Units: mg/L Analytical Batch No.: 8137

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	12:02	Nitrocellulose	8.45	8.40	101	90-110		WC-353.2-ICV_00015
9	ICB	12:04	Nitrocellulose	1.0				U	
21	CCV	12:28	Nitrocellulose	8.51	8.40	101	90-110		WC-353.2-L4_00010
22	CCB	12:30	Nitrocellulose	1.0				U	
35	CCV	12:56	Nitrocellulose	8.60	8.40	102	90-110		WC-353.2-L4_00010
36	CCB	12:58	Nitrocellulose	1.0				U	
48	CCV	13:22	Nitrocellulose	8.50	8.40	101	90-110		WC-353.2-L4_00010
49	CCB	13:24	Nitrocellulose	1.0				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 8137	Date: 12/20/2012 12:16	Prep Batch: 7638	Date: 12/20/2012 08:01				
WS-WC-0050	MB 320-7571/1-B	Nitrocellulose	1.31	J	mg/Kg	5.0	1

FORM III-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 8137	Date: 12/20/2012 12:18		Prep Batch: 7638			Date: 12/20/2012 08:01					
						LCS Source: HPNCSP_00007					
WS-WC-0050	LCS 320-7571/2-B	Nitrocellulose	33.3		mg/Kg	51.0	65	34-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 8137	Date: 12/20/2012 12:06										
						LCS Source:	WC-353.2-L1_00014				
WS-WC-0050	MRL 320-8137/10	Nitrocellulose	1.0	U	mg/L	0.420	108	70-130			
Batch ID: 8137	Date: 12/20/2012 12:26										
						LCS Source:	WC-353.2-L1_00014				
WS-WC-0050	MRL 320-8137/20	Nitrocellulose	0.538	J	mg/L	0.420	128	70-130			
Batch ID: 8137	Date: 12/20/2012 12:54										
						LCS Source:	WC-353.2-L1_00014				
WS-WC-0050	MRL 320-8137/34	Nitrocellulose	0.546	J	mg/L	0.420	130	70-130			
Batch ID: 8137	Date: 12/20/2012 13:20										
						LCS Source:	WC-353.2-L1_00014				
WS-WC-0050	MRL 320-8137/47	Nitrocellulose	0.529	J	mg/L	0.420	126	70-130			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18581-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18581-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18581-1

SDG Number:

Matrix: Solid Instrument ID: FS4

Method: WS-WC-0050 DL Date: 03/15/2011 14:37

Prep Method: 353 (NCell-Hyd)

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Nitrocellulose		5	0.78

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18581-1

SDG Number:

Matrix: Solid Instrument ID: FS4

Method: WS-WC-0050 XMDL Date: 03/15/2011 14:36

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrocellulose		2	0.475

11-IN
LINEAR RANGES
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No: 240-18581-1

SDG No.:

Instrument ID: FS4 Date: 07/31/2011 19:29

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Nitrocellulose		16.8	WS-WC-0050

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-7571/1-B	12/20/2012 08:01	7638		45	40
LCS 320-7571/2-B	12/20/2012 08:01	7638		45	40
240-18581-1	12/20/2012 08:01	7638		45	40
240-18581-3	12/20/2012 08:01	7638		45	40
240-18581-5	12/20/2012 08:01	7638		45	40

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/12/2012 16:17 End Date: 12/12/2012 16:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			16:17	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/12/2012 16:17 End Date: 12/12/2012 16:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			16:17	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/12/2012 16:17 End Date: 12/12/2012 16:52

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			16:17																				
ZZZZZZ			16:17																				
ZZZZZZ			16:17																				
ZZZZZZ			16:17																				
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ZZZZZZ			16:17																				
ZZZZZZ			16:52																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/12/2012 16:17 End Date: 12/12/2012 16:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			16:52																					
ZZZZZZ			16:52																					
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ZZZZZZ			16:52																					
240-18581-1 DU	1	T	16:52	X	X																			
240-18581-1	1	T	16:52	X	X																			
240-18581-2	1	T	16:52	X	X																			
240-18581-5	1	T	16:52	X	X																			
240-18581-7	1	T	16:52	X	X																			
240-18581-8	1	T	16:52	X	X																			
240-18581-9	1	T	16:52	X	X																			
240-18581-10	1	T	16:52	X	X																			
240-18581-11	1	T	16:52	X	X																			
240-18581-13	1	T	16:52	X	X																			
240-18581-3 DU	1	T	16:52	X	X																			
240-18581-3	1	T	16:52	X	X																			
240-18581-14	1	T	16:52	X	X																			
240-18581-15	1	T	16:52	X	X																			
240-18581-16	1	T	16:52	X	X																			
ZZZZZZ			16:52																					
ZZZZZZ			16:52																					
ZZZZZZ			16:52																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/12/2012 16:17 End Date: 12/12/2012 16:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			16:52																					
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ZZZZZZ			16:52																					

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/20/2012 15:12 End Date: 12/20/2012 15:54

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			15:12																					
ZZZZZZ			15:12																					
ZZZZZZ			15:12																					
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ZZZZZZ			15:12																					
240-18581-4	1	T	15:12	X	X																			
240-18581-6	1	T	15:12	X	X																			
240-18581-17	1	T	15:12	X	X																			
240-18581-18	1	T	15:12	X	X																			
240-18581-19 DU	1	T	15:12	X	X																			
240-18581-19	1	T	15:12	X	X																			
240-18581-20	1	T	15:12	X	X																			
240-18581-21	1	T	15:12	X	X																			
240-18581-22	1	T	15:12	X	X																			
240-18581-23	1	T	15:12	X	X																			
ZZZZZZ			15:12																					
ZZZZZZ			15:12																					
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/20/2012 15:12 End Date: 12/20/2012 15:54

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			15:12																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/20/2012 15:12 End Date: 12/20/2012 15:54

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			15:45																					
ZZZZZZ			15:45																					
ZZZZZZ			15:45																					
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ZZZZZZ			15:54																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/20/2012 11:48 End Date: 12/20/2012 13:26

Lab Sample ID	D/F	Type	Time	Analytes																				
				NCL																				
ZZZZZZ			11:48																					
STD0 320-8137/2 IC			11:50	X																				
STD1 320-8137/3 IC			11:52	X																				
STD2 320-8137/4 IC			11:54	X																				
STD3 320-8137/5 IC			11:56	X																				
STD4 320-8137/6 IC			11:58	X																				
STD5 320-8137/7 IC			12:00	X																				
ICV 320-8137/8	1		12:02	X																				
ICB 320-8137/9	1		12:04	X																				
MRL 320-8137/10	1	T	12:06	X																				
ZZZZZZ			12:08																					
ZZZZZZ			12:10																					
ZZZZZZ			12:12																					
ZZZZZZ			12:14																					
MB 320-7571/1-B	1	T	12:16	X																				
LCS 320-7571/2-B	1	T	12:18	X																				
ZZZZZZ			12:20																					
ZZZZZZ			12:22																					
ZZZZZZ			12:24																					
MRL 320-8137/20	1	T	12:26	X																				
CCV 320-8137/21	1		12:28	X																				
CCB 320-8137/22	1		12:30	X																				
ZZZZZZ			12:32																					
ZZZZZZ			12:34																					
ZZZZZZ			12:36																					
ZZZZZZ			12:38																					
ZZZZZZ			12:40																					
ZZZZZZ			12:42																					
ZZZZZZ			12:44																					
ZZZZZZ			12:46																					
ZZZZZZ			12:48																					
ZZZZZZ			12:50																					
ZZZZZZ			12:52																					
MRL 320-8137/34	1	T	12:54	X																				
CCV 320-8137/35	1		12:56	X																				
CCB 320-8137/36	1		12:58	X																				
ZZZZZZ			13:00																					
ZZZZZZ			13:02																					
ZZZZZZ			13:04																					
ZZZZZZ			13:06																					
ZZZZZZ			13:08																					
240-18581-1	1	T	13:10	X																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/20/2012 11:48 End Date: 12/20/2012 13:26

Lab Sample ID	D / F	Type	Time	Analytes																			
				NCL																			
240-18581-3	1	T	13:12	X																			
240-18581-5	1	T	13:14	X																			
ZZZZZZ			13:16																				
ZZZZZZ			13:18																				
MRL 320-8137/47	1	T	13:20	X																			
CCV 320-8137/48	1		13:22	X																			
CCB 320-8137/49	1		13:24	X																			
ZZZZZZ			13:26																				

Prep Types

T = Total/NA

Peak Table:Nitrate/Nitrite

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122012A.RST
Date: 20-Dec-12
Operator: JB

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	105	Sync	1	SYNC	1	1	122929	0.990354	
B	0	Baseline	1	RB	1	1	0	0.013152	BL
3	0	Cal 0	1	C	1	1	-20	0.012989	
4	102	Cal 1	1	C	1	1	5229	0.054721	
5	103	Cal 2	1	C	1	1	21807	0.186504	
6	104	Cal 3	1	C	1	1	47888	0.393828	
7	105	Cal 4	1	C	1	1	124015	0.998986	
8	106	Cal 5	1	C	1	1	250313	2.002973	HI
9	107	ICV	1	U	1	1	124782	1.005084	FL
10	0	BLANK/ICB	1	BLNK	1	1	181	0.014592	
11	102	MRL	1	U	1	1	5127	0.053904	
12	108	NO2 1PPM	1	U	1	1	122267	0.985090	
13	109	NO3 1PPM	1	U	1	1	122430	0.986390	
14	0	Blank	1	BLNK	1	1	-19	0.013000	
B	0	Baseline	1	RB	1	1	0	0.013152	BL
16	113	mb 320-7571/1-b	1	U	1	1	3275	0.039184	
17	114	lcs 320-7571/2-b	1	U	1	1	123058	0.991384	
18	115	240-18544-i-3-d	1	U	1	1	1961	0.028741	
19	116	240-18544-f-16-d	1	U	1	1	1786	0.027351	
20	117	240-18544-x-19-b	1	U	1	1	1774	0.027253	
21	102	MRL	1	U	1	1	6336	0.063521	
22	105	CCV	1	U	1	1	125772	1.012956	
23	0	Blank	1	BLNK	1	1	56	0.013600	
B	0	Baseline	1	RB	1	1	0	0.013152	BL
25	118	240-18544-a-19-h ms	1	U	1	1	73472	0.597208	
26	119	240-18544-a-19-i msd	1	U	1	1	78722	0.638942	
27	120	240-18544-f-20-d	1	U	1	1	1820	0.027615	
28	121	240-18544-f-21-d	1	U	1	1	2099	0.029838	
29	122	240-18544-f-22-d	1	U	1	1	1977	0.028868	
30	123	240-18544-f-23-d	1	U	1	1	1822	0.027638	
31	124	240-18544-f-24-d	1	U	1	1	1742	0.027003	
32	125	240-18544-f-25-d	1	U	1	1	1773	0.027248	
33	126	240-18544-f-26-d	1	U	1	1	1986	0.028940	
34	127	240-18544-f-27-d	1	U	1	1	1462	0.024770	
35	102	MRL	1	U	1	1	6490	0.064740	
36	105	CCV	1	U	1	1	127048	1.023097	
37	0	BLANK	1	BLNK	1	1	101	0.013951	
B	0	Baseline	1	RB	1	1	0	0.013152	BL
39	128	240-18544-f-28-d	1	U	1	1	1879	0.028085	
40	129	240-18544-f-29-d	1	U	1	1	2032	0.029305	
41	130	240-18544-i-31-d	1	U	1	1	2215	0.030760	
42	131	240-18544-f-33-d	1	U	1	1	1512	0.025171	
43	132	240-18581-n-1-b	1	U	1	1	1457	0.024735	
44	133	240-18581-n-3-b	1	U	1	1	2117	0.029977	
45	134	240-18581-l-5-b	1	U	1	1	1594	0.025827	
46	135	240-18703-i-8-d	1	U	1	1	2045	0.029408	
47	136	240-18703-l-18-d	1	U	1	1	2211	0.030728	
48	102	MRL	1	U	1	1	6246	0.062800	
49	105	CCV	1	U	1	1	125700	1.012387	
50	0	BLANK	1	BLNK	1	1	48	0.013536	
B	0	Baseline	1	RB	1	1	0	0.013152	BL

Report Results by Sample
Result path: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122012A.RST
Sample table path: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122012a.tbl
Method path: Y:\no3_no2.mth
Date acquired: 20-Dec-12
Time acquired: 13:31

Facility Name:
Facility Location:
Department:

Operator Name: JB
Operator ID: JB

Platform: FS III/IV
Software Rev Code: 210
Data system ID: 57

Channel: 1
Analysis: Nitrate/Nitrite
CAS Number:
Methodology: NO2+NO3-353.2/N02-353.2/WS-WC-0050

	Temp	Warmup	Run time	Reps
rack 1	Off	1134:03:50	1:38:15	14
rack 2	Off	1134:03:50	1:38:15	14
rack 3	Off	1134:03:50	1:38:15	14

Notes

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	11:48:39	0.01	[C]
0	Cal 0	C	11:50:39	0.01	[C]
102	Cal 1	C	11:52:40	0.05	[C]
103	Cal 2	C	11:54:40	0.19	[C]
104	Cal 3	C	11:56:40	0.39	[C]
105	Cal 4	C	11:58:40	1.00	[C]
106	Cal 5	C	12:00:40	2.00	[C]
107	ICV	-	12:02:40	1.01	[-]
0	BLANK/ICB	C	12:04:41	0.01	[C]
102	MRL	-	12:06:41	0.05	[-]
108	NO2 1PPM	-	12:08:41	0.99	[-]
109	NO3 1PPM	-	12:10:41	0.99	[-]
0	Blank	C	12:12:41	0.01	[C]
0	Baseline	C	12:14:41	0.01	[C]
113	mb 320-7571/1-b	-	12:16:42	0.04	[-]
114	lcs 320-7571/2-b	-	12:18:42	0.99	[-]
115	240-18544-i-3-d	-	12:20:42	0.03	[-]
116	240-18544-f-16-d	-	12:22:42	0.03	[-]
117	240-18544-x-19-b	-	12:24:42	0.03	[-]
102	MRL	-	12:26:42	0.06	[-]
105	CCV	-	12:28:43	1.01	[-]
0	Blank	C	12:30:43	0.01	[C]
0	Baseline	C	12:32:43	0.01	[C]
118	240-18544-a-19-h ms	-	12:34:43	0.60	[-]
119	240-18544-a-19-i msd	-	12:36:43	0.64	[-]
120	240-18544-f-20-d	-	12:38:44	0.03	[-]
121	240-18544-f-21-d	-	12:40:44	0.03	[-]
122	240-18544-f-22-d	-	12:42:44	0.03	[-]
123	240-18544-f-23-d	-	12:44:44	0.03	[-]
124	240-18544-f-24-d	-	12:46:44	0.03	[-]
125	240-18544-f-25-d	-	12:48:44	0.03	[-]
126	240-18544-f-26-d	-	12:50:45	0.03	[-]
127	240-18544-f-27-d	-	12:52:45	0.02	[-]
102	MRL	-	12:54:45	0.06	[-]
105	CCV	-	12:56:45	1.02	[-]
0	BLANK	C	12:58:45	0.01	[C]
0	Baseline	C	13:00:46	0.01	[C]
128	240-18544-f-28-d	-	13:02:46	0.03	[-]
129	240-18544-f-29-d	-	13:04:46	0.03	[-]
130	240-18544-i-31-d	-	13:06:46	0.03	[-]
131	240-18544-f-33-d	-	13:08:46	0.03	[-]
132	240-18581-n-1-b	-	13:10:46	0.02	[-]
133	240-18581-n-3-b	-	13:12:47	0.03	[-]
134	240-18581-l-5-b	-	13:14:47	0.03	[-]
135	240-18703-i-8-d	-	13:16:47	0.03	[-]
136	240-18703-l-18-d	-	13:18:47	0.03	[-]
102	MRL	-	13:20:47	0.06	[-]
105	CCV	-	13:22:47	1.01	[-]
0	BLANK	C	13:24:48	0.01	[C]
0	Baseline	C	13:26:48	0.01	[C]

Nitrate/Nitrite:Calibration 1: Peak 3-51

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122012A.RST
Date: 20-Dec-12
Operator: JB

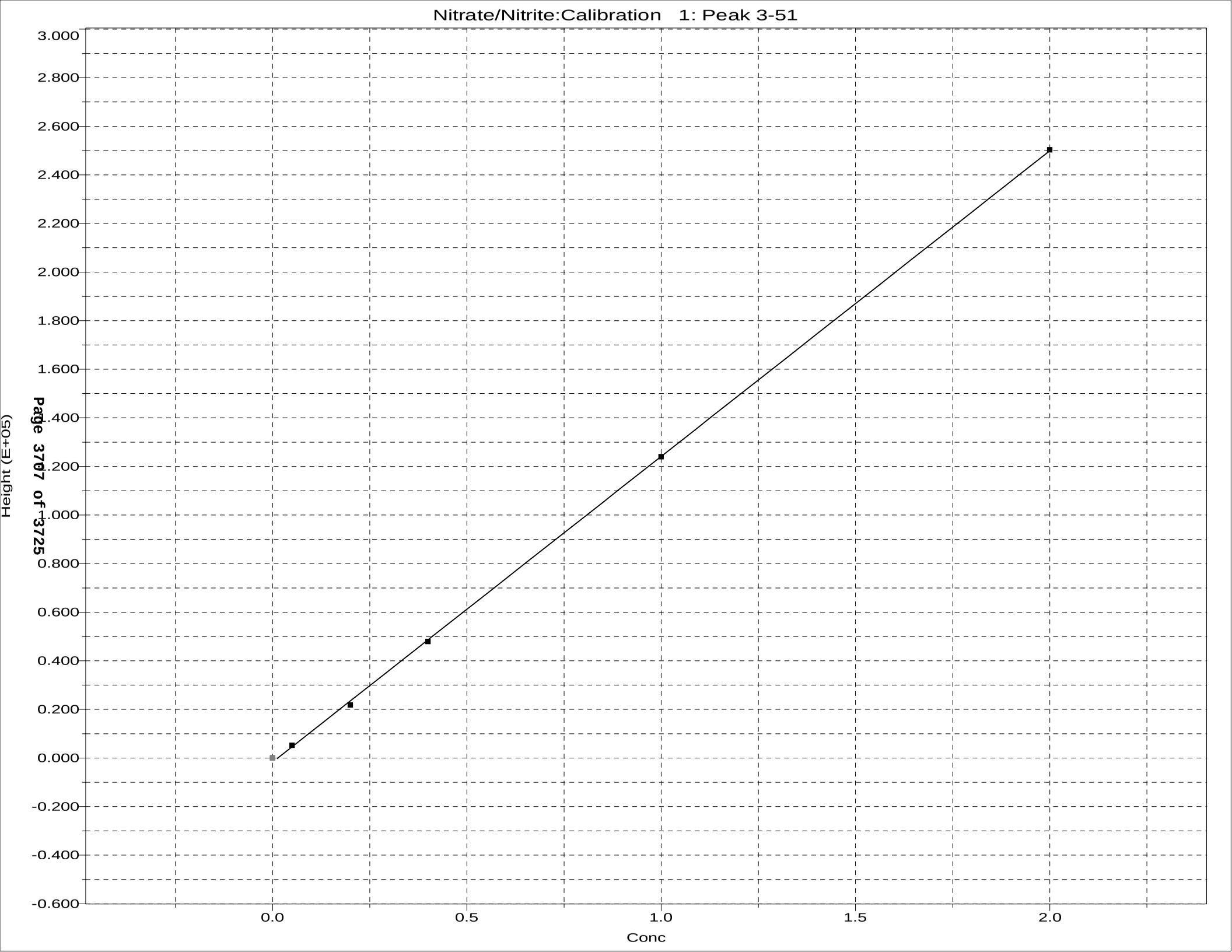
*	Name	Conc	Height
*	Cal 0	0.000000	-20.487640
*	Cal 1	0.050000	5229.244141
*	Cal 2	0.200000	21807.140625
*	Cal 3	0.400000	47887.773438
*	Cal 4	1.000000	124014.531250
*	Cal 5	2.000000	250312.718750

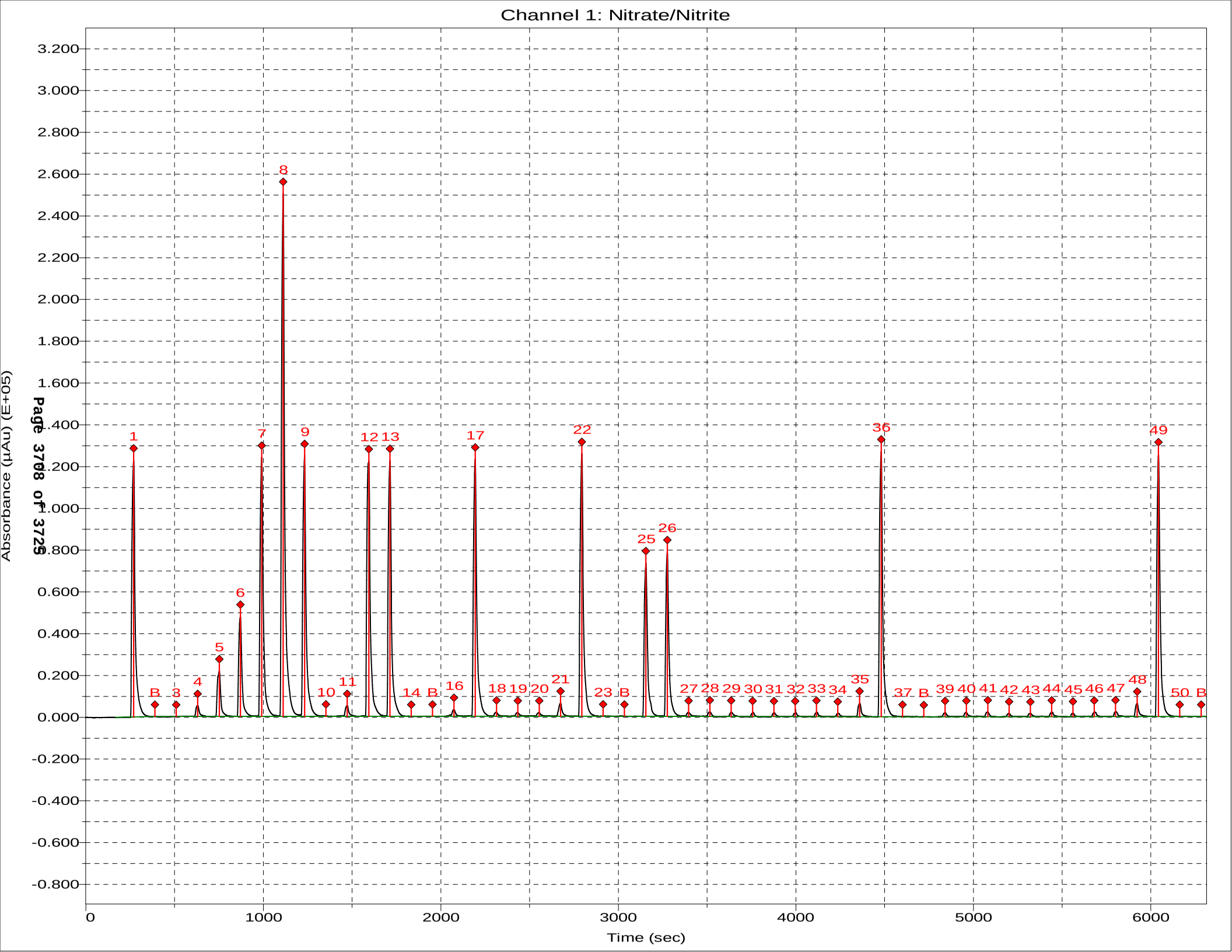
Calib Coef:
y=bx+a
a: (intercept) -1.6544e+03
b: 1.2580e+05

Corr Coef: 0.999929

Carryover: n/a

No Drift Peaks


Nitrate/Nitrite:Calibration 1: Peak 3-51
Height (E+05)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-0.600
0.0
0.5
1.0
1.5
2.0
Conc


Channel 1: Nitrate/Nitrite
Absorbance (µAu) (E+05)
Time (sec)
Page 3708 of 3725
3.200
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
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-0.200
-0.400
-0.600
-0.800
0
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2000
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4000
5000
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11
12 13
14 B
16
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18 19 20
21
22
23 B
25
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27 28 29 30 31 32 33 34
35
36
37 B
39 40 41 42 43 44 45 46 47
48
49
50 B

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Level I and Level II Review Checklist
General Chemistry

Instrument ID FS4		ius-WC-0050 NCell	
Batch: 8137	File #: 122012A	Date: 12/20/12	Analyst: JZ
Lot Numbers: 240-18581, 240-18703			

	YES	NO	NA
LEVEL 1 Review:			
1. Samples properly preserved/verified	✓		
2. Run setup meets Std criteria (Curve, ICV/ICB, CCV etc.)	✓		
3. Calibration criteria met (R=0.995, R^2=0.990)	✓		
4. Interception criteria for quadratic fits + or – ½ the RL			✓
5. Second source std in control	✓		
6. Batch QC in control (LCS,MB,MS/MSD,DCS if necessary)	✓		
7. Calculations checked	✓		
8. QAS/QAPP consulted for client specific requirements	✓		
9. Standard traking #'s recorded on runlog/benchsheet	✓		
10. Manual integration performed, documented & approved			✓
11. Copy of run log included with data package	✓		
12. Copy of conductivity screen logbook (314.0 only)			✓
LEVEL 1 Data Review:			
1. Benchsheet complete	✓		
2. QAS/QAPP Consulted for client specific data entry	✓		
3. Copy of prep sheet/checklist submitted	✓		
4. NCM(s) submitted	✓		

COMMENTS: _____

REVIEWED BY: LW DATE: 1/2/13 1/2/13

DATA ENTERED BY: JZ 12/28/12 * DATE: 1/2/13

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 68426 Batch Start Date: 12/12/12 16:17 Batch Analyst: Martin, Aaron

Batch Method: Moisture Batch End Date: 12/13/12 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-18581-J-1 DU	070SB-0042M-0001-SO	Moisture	T	4.3988 g	9.9466 g	8.9527 g			
240-18581-K-1	070SB-0042M-0001-SO	Moisture	T	4.3988 g	10.5144 g	9.3742 g			
240-18581-G-2	070SB-043M-0001-SO	Moisture	T	4.3988 g	10.4420 g	9.2297 g			
240-18581-J-5	070SB-046M-0001-SO	Moisture	T	4.3988 g	8.9363 g	8.3796 g			
240-18581-G-7	072SB-0056-0001-SO	Moisture	T	4.3988 g	11.3391 g	10.4870 g			
240-18581-G-8	072SB-0057-0001-SO	Moisture	T	4.3988 g	10.7379 g	9.9143 g			
240-18581-G-9	072SB-0058-0001-SO	Moisture	T	4.3988 g	9.8091 g	9.2021 g			
240-18581-G-10	072SB-0059-0001-SO	Moisture	T	4.3988 g	10.5505 g	9.8858 g			
240-18581-G-11	072SB-0060-0001-SO	Moisture	T	4.3988 g	10.0224 g	9.4776 g			
240-18581-G-13	072SB-0070-0001-SO	Moisture	T	4.3988 g	10.5258 g	9.8544 g			
240-18581-J-3 DU	070SB-044M-0001-SO	Moisture	T	4.3988 g	10.4285 g	9.2449 g			
240-18581-K-3	070SB-044M-0001-SO	Moisture	T	4.3988 g	10.5816 g	9.3620 g			
240-18581-G-14	072SB-0071-0001-SO	Moisture	T	4.3988 g	10.1872 g	9.4930 g			
240-18581-G-15	072SB-0072-0001-SO	Moisture	T	4.3988 g	10.5907 g	9.7413 g			
240-18581-G-16	072SB-0073-0001-SO	Moisture	T	4.3988 g	10.8860 g	10.0617 g			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 68426 Batch Start Date: 12/12/12 16:17 Batch Analyst: Martin, Aaron

Batch Method: Moisture Batch End Date: 12/13/12 09:00

Batch Notes	
Balance ID	B47 No Unit
Date samples were placed in the oven	12/12/12
Oven Temp when samples are put in oven	103.9 Degrees C
Time samples were place in the oven	17:00
Date samples were removed from oven	12/12/12
Oven Temp when samples removed from oven	103.8 Degrees C
Time Samples were removed from oven	5:00
Oven ID	O02
ID number of the thermometer	TEMPGUARD BOX C #6

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18581-1

SDG No.:

Batch Number: 69666 Batch Start Date: 12/20/12 15:12 Batch Analyst: Harshman, Tom

Batch Method: Moisture Batch End Date: 12/21/12 09:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-18581-A-4	070SB-045M-0001-SO	Moisture	T	4.3988 g	13.3272 g	13.1971 g			
240-18581-G-6	070SB-047M-0001-SO	Moisture	T	4.3988 g	12.0532 g	11.9275 g			
240-18581-A-17	070SS-0048M-0001-SO	Moisture	T	4.3988 g	16.7989 g	16.5905 g			
240-18581-A-18	070SB-0049M-0001-SO	Moisture	T	4.3988 g	15.4175 g	15.3194 g			
240-18581-A-19 DU	070SB-0050M-0001-SO	Moisture	T	4.3988 g	8.6889 g	8.6357 g			
240-18581-A-19	070SB-0050M-0001-SO	Moisture	T	4.3988 g	10.0780 g	10.0043 g			
240-18581-A-20	070SB-0051M-0001-SO	Moisture	T	4.3988 g	12.7933 g	12.7293 g			
240-18581-A-21	070SB-0052M-0001-SO	Moisture	T	4.3988 g	14.0636 g	13.9494 g			
240-18581-A-22	070SB-0053M-0001-SO	Moisture	T	4.3988 g	12.4709 g	12.3832 g			
240-18581-A-23	070SB-0054M-0001-SO	Moisture	T	4.3988 g	10.6291 g	10.5326 g			

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	12/20/12
Oven Temp when samples are put in oven	103.4 Degrees C
Time samples were place in the oven	16:35
Oven Temp when samples removed from oven	103.8 Degrees C
Time Samples were removed from oven	5:25
Oven ID	002
ID number of the thermometer	Tempguard Box C #6

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Batch Number: 7571 Batch Start Date: 12/19/12 06:06 Batch Analyst: Phan, Tuan

Batch Method: 353.2 (NCell) Batch End Date: 12/19/12 12:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00007			
MB 320-7571/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL				
LCS 320-7571/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL	1 mL			
240-18581-N-1	070SB-0042M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.12 g	45 mL				
240-18581-N-3	070SB-044M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.22 g	45 mL				
240-18581-L-5	070SB-046M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.06 g	45 mL				

Batch Notes	
1:1 MeOH/H2O	HPHeOH/H2O_00003
Acetone Lot #	ACETONE_00004
Centrifuge Tube	2223568

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Batch Number: 7638 Batch Start Date: 12/20/12 05:40 Batch Analyst: Phan, Tuan

Batch Method: 353 (NCell-Hyd) Batch End Date: 12/20/12 08:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-7571/1-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
LCS 320-7571/2-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
240-18581-N-1-A	070SB-0042M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18581-N-3-A	070SB-044M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18581-L-5-A	070SB-046M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE R2DA20309A
Centrifuge Tube	2223568
Sulfuric Acid Lot Number	SULFURIC ACID_00001
Millipore Water Dispense Date	12/13/12
NaOH Lot #	SODIUM HYDROX_00001

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18581-1

SDG No.:

Batch Number: 8137 Batch Start Date: 12/20/12 11:48 Batch Analyst: Baynes, Jason

Batch Method: WS-WC-0050 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00015	WC-353.2-L1 00014	WC-353.2-L4 00010			
ICV 320-8137/8		WS-WC-0050		# mL					
MRL 320-8137/10		WS-WC-0050			# mL				
MRL 320-8137/20		WS-WC-0050			# mL				
CCV 320-8137/21		WS-WC-0050				# mL			
MRL 320-8137/34		WS-WC-0050			# mL				
CCV 320-8137/35		WS-WC-0050				# mL			
MRL 320-8137/47		WS-WC-0050			# mL				
CCV 320-8137/48		WS-WC-0050				# mL			

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	45425-WC-17-2
NO2/NO3 Indicator ID #	4525-WC-16-2

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Subcontract Data

Shipping and Receiving Documents

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECC	Client Project Manager: A. EASTRIDGE	Site Contact: J. DONOVAN	Lab Contact: MARK LORD	COC No: 049449
Address: 33 BOTTSFORD POST RD	Telephone:	Telephone:	Telephone:	1 of 3 COCs
City/State/Zip:	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below: STANDARD ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client / Lab pickup / Lab sampling / Job/SDG No.: Loc: 240 18581
Project Name:	Method of Shipment/Carrier: DROP OFF AT LAB			
Project Number:	Shipping/Tracking No:			
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4 / NaHSO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other: 02	Filtered Sample (Y / N)	Composite (C) / Grab (G)	VOC/MTBE	SVOC	MTBE/TPH GRO	TPH DRO	PCB	EXPLOSIVES	PROPELLANTS	PESTICIDES	TAL METALS	HARDNESS	Sample Specific Notes / Special Instructions:
0705B-0042M-0001-SO	12-7-12	1145				X							X				X	X	X	X	X	X	X	X	X		
0705B-0042M-0002-SO		1145															X	X	X	X							SITE COC'S ONLY MS/MSD
0705B-0043M-0001-SO		1145															X	X	X	X							
0705B-0044M-0001-SO		1115															X	X	~~X~~	~~X~~	X	X	X	X	X	X	DO NOT KEEP HERD. ANALYSIS
0705B-0044M-0002-SO		1115																X								X	MS/MSD SITE COC'S ONLY
0705B-0045M-0001-SO		1115																X								X	
0705B-0046M-0001-SO		1050															X	X			X	X	X	X	X		
~~0705B-0046M-0002-SO~~		~~1050~~																									~~SITE COC'S ONLY MS/MSD~~
0705B-0047M-0001-SO		1050																X			X				X		
~~0705B-0048M-0001-TB~~				X					X								X										TRIP BLK

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

~~0053~~ 15M SAMPLE

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ECC	12-7-12 1120			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TA	Date/Time: 12/8/12 1120

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECC	Client Project Manager: A. EASTMAN	Site Contact: J. O'Connor	Lab Contact: MARK LOEB	COC No: 049450
Address: 33 MARLBORO MA 33 SUDBURY POST RD	Telephone:	Telephone:	Telephone:	2 of 3 COCs
City/State/Zip:	Email:	Analysis Turnaround Time (In BUS days)	Analyses	For lab use only
Phone:		TAT if different from below _____ ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client: ☐ Lab pickup: ☐ Lab sampling: ☐ Job/SDG No.:
Project Name:	Method of Shipment/Carrier:			
Project Number:	Shipping/Tracking No:			
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other: 01	Filtered Sample (Y/N)	Composite (C/G)	BTEX/MTBE	PAH	TPH GRO	TPH ORO	TCL ANTALS	TCL VOC	Sample Specific Notes / Special Instructions:
0725B-0056-0001-SO	12-2-12	1304				X		X					X			X	X	X	X	X		
0725B-0057-0001-SO		1325																				
0725B-0058-0001-SO		1335																				
0725B-0059-0001-SO		1337																				
0725B-0060-0001-SO		1345																				
0725B-0061-0001-TB		0800		X					X												X	TRIP BLK,
0725B-0070-0001-SO		1420				X		X					X			X	X	X	X	X		
0725B-0071-0001-SO		1440																				
0725B-0072-0001-SO		1455																				
0725B-0073-0001-SO	↓	1505				↓		↓					↓			↓	↓	↓	↓	↓		

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
DISCARD SAMPLES, DO NOT DAT

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ECC	12-8-12 1120			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			Terry Burns	TA	12/8/12 1120

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name:	Client Project Manager:	Site Contact:	Lab Contact:	COC No: 049452
Address:	Telephone:	Telephone:	Telephone:	3 of 3 COCs
City/State/Zip:	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below SAME RAND ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name:	Method of Shipment/Carrier: DROP AT LAB			
Project Number:	Shipping/Tracking No:			Job/SDG No.:
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	Zn Ac/ NaOH	Unpres	Other:	Filtered Sample (Y / N)	Composite = C / Grab = G	SVOC	TAL METALS	PCB	VOC						Sample Specific Notes / Special Instructions:
070SS-0048M-0001-SO	12-7-12	1022				X							X				X	X	X							
070SB-0049M-0001-SO		1022																								
070SB-0050M-0001-SO		0925																								
070SB-0051M-0001-SO		0945																								
070SB-0052M-0001-SO		1000																								
070SB-0053M-0001-SO		1018																								
070SB-0054M-0001-SO		1025																								
072SB-0074-0001-TB		0800		X						X										X						TRIP BLK

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
ISM SAMPLES

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Jeff Nam	FCL	12-8-12 1120			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			Terry Burns	TA	12/8/12 1120

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TestAmerica Canton Sample Receipt Form/Narrative Login # : 18581

Client ECC Site Name _____ By: Terry Burns (Signature)

Cooler Received on 12/8/12 Opened on 12/8/12

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other Multiple

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF –2 °C) Observed Sample Temp._____°C Corrected Sample Temp._____°C

IR GUN# 4G (CF 0 °C) Observed Sample Temp._____°C Corrected Sample Temp._____°C ☒ Multiple on Back

~~IR GUN# 5G (CF 0 °C) Observed Sample Temp._____°C Corrected Sample Temp._____°C~~

IR GUN# 8 (CF 0 °C) Observed Sample Temp._____°C Corrected Sample Temp._____°C

2.	Were custody seals on the outside of the cooler(s)? If Yes Quantity_____	Yes (No)
	-Were custody seals on the outside of the cooler(s) signed & dated?	Yes No (NA)
	-Were custody seals on the bottle(s)?	Yes (No)
3.	Shippers' packing slip attached to the cooler(s)?	Yes (No)
4.	Did custody papers accompany the sample(s)?	(Yes) No
5.	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6.	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
7.	Could all bottle labels be reconciled with the COC?	Yes (No)
8.	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
9.	Sufficient quantity received to perform indicated analyses?	(Yes) No
10.	Were sample(s) at the correct pH upon receipt? TB 12/8	(Yes) No NA
11.	Were VOAs on the COC?	(Yes) No
12.	Were air bubbles >6 mm in any VOA vials?	Yes (No) NA
13.	Was a trip blank present in the cooler(s)?	(Yes) No

Contacted PM MJL Date 12/10/12 by CSL via (Verbal) Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

0705B-0042M-0001-SO No GRO's recd will not log

0705B-0046M-0002-SO Crossed out on COC rec'd CSL

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18581-1

Login Number: 18581
List Number: 1
Creator: Gamber, Tom

List Source: TestAmerica Pittsburgh
List Creation: 12/20/12 05:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18581-1

Login Number: 18581
List Number: 2
Creator: Gamber, Tom

List Source: TestAmerica Pittsburgh
List Creation: 12/20/12 05:44 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18581-1

Login Number: 18581
List Number: 1
Creator: Sadler, Jeremy

List Source: TestAmerica Sacramento
List Creation: 12/18/12 04:14 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	