ANALYTICAL REPORT

Job Number: 240-22663-1

Job Description: RVAAP - ECC

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CASE NARRATIVE

Client: Environmental Chemical Corp.

Project: RVAAP - ECC

Report Number: 240-22663-1

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

The 6020 Metals analysis was performed at the TestAmerica Pittsburgh laboratory. The 353.2 Nitrate-Nitrite as Nitrogen and the 8330 Nitroguanidine analysis was performed at the TestAmerica Sacramento laboratory.

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

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

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

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

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

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

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

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

RECEIPT

The samples were received on 04/02/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.2, 1.8, 2.3, 2.6, 2.6 and 2.8C.

Except:

The following sample(s) was submitted for analysis; however, it was not listed on the Chain-of-Custody : received a sample 28 for this job, which wasn't on the COC.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 073SB-0041M-0001-SO (240-22663-17), 079SB-0026M-0001-SO (240-22663-26) and 079SB-0028M-0001-SO (240-22663-28) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were prepared on 04/02/2013 and analyzed on 04/08/2013.

Methylene Chloride was detected in method blank MB 240-80954/7 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Carbon disulfide was detected in method blank MB 240-80954/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Acetone and Methylene Chloride failed the recovery criteria high for MRL 240-80954/32. Acetone and Methylene Chloride failed the recovery criteria high for MRL 240-80954/5. Refer to the QC report for details.

4-Bromofluorobenzene (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria low for 079SB-0026M-0001-SO (240-22663-26).

Toluene-d8 (Surr) failed the surrogate recovery criteria low for 079SB-0028M-0001-SO (240-22663-28).

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria low for 079SB-0014M-0001-SO (240-22663-4).

The Method Reporting Limit (MRL) opener for DoD had Acetone and Methylene Chloride percent recoveries fail high in batch 80954.

The method blank for preparation batch 80954 contained Methylene Chloride above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Surrogate recovery for the following samples were outside control limits: 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

Surrogate recovery for the following sample was outside of acceptance limits: 079SB-0014M-0001-SO (240-22663-4). The second analysis had a poor purge which resulted in little or no internal standard or surrogate recoveries. There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 80954 on these samples 073SB-0041M-0001-SO (240-22663-17), 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28).

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

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample 068SB-0026-0001-TB (240-22663-30) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were analyzed on 04/08/2013.

Acetone failed the recovery criteria low for MRL 240-81013/21. Methylene Chloride failed the recovery criteria high. 1,1,2,2-Tetrachloroethane, cis-1,3-Dichloropropene, Methylene Chloride and trans-1,3-Dichloropropene failed the recovery criteria high for MRL 240-81013/5. Refer to the QC report for details.

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

POLYCHLORINATED BIPHENYLS (PCBS) WITH INCREMENTAL SAMPLE PREPARATION

Samples 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 073SB-0041M-0001-SO (240-22663-17), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28), 068SB-0017M-0001-SO (240-22663-31), 068SB-0018M-0001-SO (240-22663-32), 068SB-0019M-0001-SO (240-22663-33), 068SB-0022M-0001-SO (240-22663-34), 068SB-0020M-0001-SO (240-22663-35), 068SB-0023M-0001-SO (240-22663-36), 068SB-0024M-0001-SO (240-22663-37), 068SB-0025M-0001-SO (240-22663-38), 068SB-0027M-0001-SO (240-22663-40), 068SB-0028M-0001-SO (240-22663-41), 068SB-0030M-0001-SO (240-22663-43) and 068SB-0031M-0001-SO (240-22663-44) were analyzed for Polychlorinated biphenyls (PCBs) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8082 DOD. The samples began the drying process on 04/02/2013, were prepared on 04/12/2013 and 04/26/2013 and analyzed on 04/17/2013, 04/18/2013 and 04/29/2013.

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for 240-22764-H-8-D MSD. Refer to the QC report for details.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: 068SB-0018M-0001-SO (240-22663-32), 068SB-0024M-0001-SO (240-22663-37), 068SB-0025M-0001-SO (240-22663-38), 068SB-0027M-0001-SO (240-22663-40), 068SB-0028M-0001-SO (240-22663-41), 068SB-0030M-0001-SO (240-22663-43), 068SB-0031M-0001-SO (240-22663-44), 068SB-0032-0001-SO (240-22663-39), 068SB-0017M-0001-SO (240-22663-31), 073SB-0041M-0001-SO (240-22663-17), 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28). Lot # s65830

Surrogate recovery for the following samples was outside control limits: 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data is reported.

The confirmation column for this MRL appeared to have some interference. Sine the sample were ND no corrective action is required.

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

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

Samples 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 073SB-0041M-0001-SO (240-22663-17), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28), 068SB-0017M-0001-SO (240-22663-31), 068SB-0018M-0001-SO (240-22663-32), 068SB-0019M-0001-SO (240-22663-33), 068SB-0022M-0001-SO (240-22663-34),

068SB-0020M-0001-SO (240-22663-35), 068SB-0023M-0001-SO (240-22663-36), 068SB-0024M-0001-SO (240-22663-37), 068SB-0025M-0001-SO (240-22663-38), 068SB-0027M-0001-SO (240-22663-40), 068SB-0028M-0001-SO (240-22663-41), 068SB-0030M-0001-SO (240-22663-43) and 068SB-0031M-0001-SO (240-22663-44) were analyzed for semivolatile organic compounds (GC-MS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8270 DoD. The samples began the drying process on 04/02/2013, were prepared on 04/12/2013 and analyzed on 04/21/2013 and 04/22/2013.

The following samples were diluted due to the nature of the sample matrix: (240-22663-44 MS), (240-22663-44 MSD), 068SB-0017M-0001-SO (240-22663-31), 068SB-0020M-0001-SO (240-22663-35), 068SB-0023M-0001-SO (240-22663-36), 068SB-0024M-0001-SO (240-22663-37), 068SB-0025M-0001-SO (240-22663-38), 068SB-0031M-0001-SO (240-22663-44), 068SB-0018M-0001-SO (240-22663-32), 068SB-0019M-0001-SO (240-22663-33), 068SB-0022M-0001-SO (240-22663-34), 073SB-0041M-0001-SO (240-22663-17), 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28). Elevated reporting limits (RLs) are provided.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample 068SB-0032-0001-SO (240-22663-39) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/12/2013 and analyzed on 04/21/2013.

Di-n-butyl phthalate was detected in method blank MB 240-81754/21-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS of sample 068SB-0031M-0001-SOMS (240-22663-44) in batch 240-82876.

2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Methylphenol and 4-Nitrophenol failed the recovery criteria low for the MSD of sample 068SB-0031M-0001-SOMSD (240-22663-44) in batch 240-82876. 4,6-Dinitro-2-methylphenol exceeded the rpd limit.

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

CHLORINATED PESTICIDES WITH INCREMENTAL SAMPLE PREPARATION

Samples 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 070SB-0046M-0001-SB (240-22663-10), 073SB-0041M-0001-SO (240-22663-17), 079SB-0026M-0001-SO (240-22663-26) and 079SB-0028M-0001-SO (240-22663-28) were analyzed for chlorinated pesticides with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8081 DoD. The samples began the drying process on 04/02/2013, were prepared on 04/12/2013 and 04/23/2013 and analyzed on 04/20/2013 and 04/24/2013.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for 070SB-0046M-0001-SB (240-22663-10). Tetrachloro-m-xylene failed the surrogate recovery criteria low for MB 240-81726/21-A. Tetrachloro-m-xylene failed the surrogate recovery criteria high for LCS 240-83135/19-A. Refer to the QC report for details.

Sample 070SB-0046M-0001-SB (240-22663-10)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The TCMX surrogate batch 81726 method blank (MB) associated with samples 070SB-0046M-0001-SB (240-22663-10), 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28) failed to meet criteria. Samples were re-extracted out of hold. Both sets of data are reported; the re-analysis data is reported as the primary data.

The TCMX surrogate recovery for the following samples was outside acceptance limits (low biased): 073SB-0041M-0001-SO (240-22663-17), 079SB-0017M-0001-SO (240-22663-7), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28) on one column or both collumns. The sample were re-extracted and both sets of data are reported.

The following sample(s) was diluted due to the nature of the sample matrix: 070SB-0046M-0001-SB (240-22663-10). Elevated reporting limits (RLs) are provided.

The opening continuing calibration verification (CCV) and method reporting limit (MRL) associated with batch 83400 recovered some analytes above the upper control limit. The samples associated with this CCV and MRL were non-detects for the affected analytes; therefore, the data have been reported.

Surrogate recovery for TCMX in batch 83135 laboratory control sample (LCS) associated with samples 070SB-0046M-0001-SB (240-22663-10), 073SB-0041M-0001-SO (240-22663-17), 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28) was outside the upper control limit. These samples did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The laboratory control sample (LCS)) for batch 83135 exceeded the control limit on the confirmation column for the following analyte: DDD. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. 070SB-0046M-0001-SB (240-22663-10), 073SB-0041M-0001-SO (240-22663-17), 079SB-0014M-0001-SO (240-22663-4),

079SB-0017M-0001-SO (240-22663-7), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28)

The Toxaphene closing continuing calibration verification (CCV) for analytical batch 83400 recovered outside control limits on the primary column. Samples associated with this CCV070SB-0046M-0001-SB (240-22663-10), 073SB-0041M-0001-SO (240-22663-17), 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28) were non-detect for the affected analyte and toxaphene met control limits on the confirmation column; therefore the data have been qualified and reported.

The closing Toxaphene continuing calibration verification (CCV) for analytical batch 82685 recovered outside control limits on the primary column. Since Toxaphene met criteria on the confirmation column and the associated sample (MB 240-81726/21-A) was non-detect for the affected analyte, the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 82685 recovered above the upper control limit for DDD on both the primary and secondary columns. The method blank (MB) associated with this CCV was non-detect for the affected analyte and the laboratory control sample (LCS) met criteria for the affected analyte; therefore the data have been reported. (LCS 240-81726/22-A), (MB 240-81726/21-A)

The opening continuing calibration verification (CCV) associated with batch 82685 recovered above the upper control limits for DDT and Methoxychlor on the primary column and Heptchlor, Endosulfan II, DDT, Endrin Aldehyde, Methoxychlor, and Endrin Ketone on the confirmation column. Since the method blank (MB) associated with this CCV was non-detect for the affected analytes and the laboratory control sample (LCS) associated with this CCV met QC criteria, the data have been reported.

The opening method reporting limit (MRL) associated with batch 82685 recovered some analytes above the upper control limits on both the primary and confirmation columns. The samples associated with this CCV (LCS 240-81726/22-A), (MB 240-81726/21-A) were non-detects for the affected analytes; therefore, the data have been reported.

The opening continuing calibration verification (CCV) associated with batch 82857 recovered Endrin Aldehyde outiside control limits on the primary column but passed all criteria on the confirmation column.. The samples associated with this CCV070SB-0046M-0001-SB (240-22663-10), 073SB-0041M-0001-SO (240-22663-17), 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28) were non-detects for the affected analyte; therefore, the data have been reported.

The opening Toxaphene continuing calibration verification (CCV) for analytical batch 82857 recovered outside control limits on the primary column. Since the confirmation column passed criteria for Toxaphene and the associated samples 070SB-0046M-0001-SB (240-22663-10), 073SB-0041M-0001-SO (240-22663-17), 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28) were non-detect for the affected analyte, he data have been reported.

The closing method reporting limit (MRL) for analytical batch 82857 recovered DDT and Methoxychlor outside control limits. Multiple analyses of these samples 070SB-0046M-0001-SB (240-22663-10), 073SB-0041M-0001-SO (240-22663-17), 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28)have confirmed probable matrix effect for these failures, therefore the data have been qualified and reported.

The closing continuing calibration verification (CCV) for analytical batch 82685 recovered DDT, Endrin Ketone, and Methoxychlor outside control limits on the primary column and DDT and Methoxychlor on the confirmation column. Multiple analyses of these samples have070SB-0046M-0001-SB (240-22663-10), 073SB-0041M-0001-SO (240-22663-17), 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 079SB-0026M-0001-SO (240-22663-26), 079SB-0028M-0001-SO (240-22663-28) confirmed probable matrix effect for these failures; therefore the data have been qualified and reported.

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

POLYCHLORINATED BIPHENYLS (PCBS)

Sample 068SB-0032-0001-SO (240-22663-39) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082 DOD. The samples were prepared on 04/12/2013 and analyzed on 04/17/2013.

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

NITROGUANIDINE (HPLC)

Samples 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 073SB-0041M-0001-SO (240-22663-17), 079SB-0026M-0001-SO (240-22663-26) and 079SB-0028M-0001-SO (240-22663-28) were analyzed for nitroguanidine (HPLC) in accordance with EPA SW-846 Method 8330_Ngu. The samples were prepared on 04/11/2013 and analyzed on 04/16/2013.

Compound 3,4-Dinitrotoluene eluted outside the retention time window on the Zorbax CN column for the following sample(s): (MB 320-14065/1-A). This retention time shift was taken into account when reviewing the sample(s) for target compounds.

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

EXPLOSIVES

Samples 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 073SB-0041M-0001-SO (240-22663-17), 079SB-0026M-0001-SO (240-22663-26) and 079SB-0028M-0001-SO (240-22663-28) were analyzed for explosives in accordance with EPA SW-846 Method 8330B. The samples were prepared on 04/11/2013 and analyzed on 04/20/2013 and 04/25/2013.

Tetryl was detected in method blank MB 320-14065/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

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

TOTAL METALS (ICPMS)

Samples 079SB-0010M-0001-SO (240-22663-1), 079SB-0011M-0001-SO (240-22663-2), 079SB-0013M-0001-SO (240-22663-3), 079SB-0014M-0001-SO (240-22663-4), 079SB-0015M-0001,0002-SO (240-22663-5), 079SB-0016M-0001-SO (240-22663-6), 079SB-0017M-0001-SO (240-22663-7), 079SB-0020M-0001-SO (240-22663-8), 079SB-0019M-0001-SO (240-22663-9), 073SS-0035M-0001-SO (240-22663-11), 073SB-0036M-0001-SO (240-22663-12), 073SB-0037M-0001-SO (240-22663-13), 073SB-0038M-0001-SO (240-22663-14), 073SB-0039M-0001-SO (240-22663-15), 073SB-0040M-0001,0002-SO (240-22663-16), 073SB-0041M-0001-SO (240-22663-17), 073SB-0042M-0001-SO (240-22663-18), 073SB-0043M-0001-SO (240-22663-19), 073SB-0044-0001-SO (240-22663-20), 079SB-0021M-0001-SO (240-22663-21), 079SB-0022M-0001-SO (240-22663-22), 079SB-0023M-0001-SO (240-22663-23), 079SB-0024M-0001,0002-SO (240-22663-24), 079SB-0025M-0001-SO (240-22663-25), 079SB-0026M-0001-SO (240-22663-26), 079SB-0027M-0001-SO (240-22663-27), 079SB-0028M-0001-SO (240-22663-28), 079SB-0029-0001-SO (240-22663-29), 068SB-0017M-0001-SO (240-22663-31), 068SB-0018M-0001-SO (240-22663-32), 068SB-0019M-0001-SO (240-22663-33), 068SB-0022M-0001-SO (240-22663-34), 068SB-0020M-0001-SO (240-22663-35), 068SB-0023M-0001-SO (240-22663-36), 068SB-0024M-0001-SO (240-22663-37), 068SB-0025M-0001-SO (240-22663-38), 068SB-0032-0001-SO (240-22663-39), 068SB-0027M-0001-SO (240-22663-40), 068SB-0028M-0001-SO (240-22663-41), 068SB-0030M-0001-SO (240-22663-43) and 068SB-0031M-0001-SO (240-22663-44) were analyzed for total metals (ICPMS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 6020 DoD. The samples began the drying process on 04/02/2013, were prepared on 04/15/2013 and 04/16/2013 and analyzed on 05/04/2013 and 05/05/2013. Samples 073SB-0044-0001-SO (240-22663-20), 079SB-0029-0001-SO (240-22663-29) and 068SB-0032-0001-SO (240-22663-39) did not go through the incremental sample prep.

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

Several analytes were detected in method blanks MB 180-69114/1-A, MB 180-69160/1-A, and MB 180-69260/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Iron failed the recovery criteria low for the MS of sample 073SB-0040M-0001,0002-SOMS (240-22663-16) in batch 180-70845. Aluminum failed the recovery criteria high.

Aluminum and Iron failed the recovery criteria high for the MS of sample 079SB-0024M-0001,0002-SOMS (240-22663-24) in batch 180-70845.

Aluminum, Iron and Manganese failed the recovery criteria high for the MS of sample 079SB-0015M-0001,0002-SOMS (240-22663-5) in batch 180-70845.

The interference check standard solution (ICSA) associated with batches 69114, 69160, and 69260 showed results for one or more elements at a level greater than the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution.

The matrix spike recovery for the following sample associated with batch 69260 was outside of the control limits for antimony.: 079SB-0024M-0001,0002-SO (240-22663-24). The associated laboratory control sample (LCS) recovery met acceptance criteria.

The matrix spike recovery for the following sample associated with batch 69114 was outside of the control limits for antimony.: 079SB-0015M-0001,0002-SO (240-22663-5). The associated laboratory control sample (LCS) recovery met acceptance criteria.

The serial dilution performed for the following sample(s) associated with batch 69114 was outside of the control limits for zinc.: 079SB-0015M-0001,0002-SO (240-22663-5)

Due to the high concentration of several analytes, the matrix spike / matrix spike duplicate (MS/MSD) for batch 69114 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The matrix spike recovery for the following sample associated with batch 69160 was outside of the control limits for antimony.: 073SB-0040M-0001,0002-SO (240-22663-16). The associated laboratory control sample (LCS) recovery met acceptance criteria.

The serial dilution performed for the following sample(s) associated with batch 69160 was outside of the control limits for zinc.:

073SB-0040M-0001,0002-SO (240-22663-16)

Due to the high concentration of several analytes, the matrix spike / matrix spike duplicate (MS/MSD) for batch 69160 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The serial dilution performed for the following sample(s) associated with batch 69260 was outside of the control limits for beryllium.: 079SB-0024M-0001,0002-SO (240-22663-24)

Due to the high concentration of several analytes, the matrix spike / matrix spike duplicate (MS/MSD) for batch 69260 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

MERCURY WITH INCREMENTAL SAMPLE PREPARATION

Samples 079SB-0010M-0001-SO (240-22663-1), 079SB-0011M-0001-SO (240-22663-2), 079SB-0013M-0001-SO (240-22663-3), 079SB-0014M-0001-SO (240-22663-4), 079SB-0015M-0001,0002-SO (240-22663-5), 079SB-0016M-0001-SO (240-22663-6), 079SB-0017M-0001-SO (240-22663-7), 079SB-0020M-0001-SO (240-22663-8), 079SB-0019M-0001-SO (240-22663-9), 073SS-0035M-0001-SO (240-22663-11), 073SB-0036M-0001-SO (240-22663-12), 073SB-0037M-0001-SO (240-22663-13), 073SB-0038M-0001-SO (240-22663-14), 073SB-0039M-0001-SO (240-22663-15), 073SB-0040M-0001,0002-SO (240-22663-16), 073SB-0041M-0001-SO (240-22663-17), 073SB-0042M-0001-SO (240-22663-18), 073SB-0043M-0001-SO (240-22663-19), 079SB-0021M-0001-SO (240-22663-21), 079SB-0022M-0001-SO (240-22663-22), 079SB-0023M-0001-SO (240-22663-23), 079SB-0024M-0001,0002-SO (240-22663-24), 079SB-0025M-0001-SO (240-22663-25), 079SB-0026M-0001-SO (240-22663-26), 079SB-0027M-0001-SO (240-22663-27), 079SB-0028M-0001-SO (240-22663-28), 068SB-0017M-0001-SO (240-22663-31), 068SB-0018M-0001-SO (240-22663-32), 068SB-0019M-0001-SO (240-22663-33), 068SB-0022M-0001-SO (240-22663-34), 068SB-0020M-0001-SO (240-22663-35), 068SB-0023M-0001-SO (240-22663-36), 068SB-0024M-0001-SO (240-22663-37), 068SB-0025M-0001-SO (240-22663-38), 068SB-0027M-0001-SO (240-22663-40), 068SB-0028M-0001-SO (240-22663-41), 068SB-0030M-0001-SO (240-22663-43) and 068SB-0031M-0001-SO (240-22663-44) were analyzed for mercury with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 7471A DOD. The samples began the drying process on 04/02/2013, were prepared on 04/15/2013, 04/16/2013 and 04/17/2013 and analyzed on 04/16/2013, 04/17/2013 and 04/19/2013.

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

MERCURY

Samples 073SB-0044-0001-SO (240-22663-20), 079SB-0029-0001-SO (240-22663-29) and 068SB-0032-0001-SO (240-22663-39) were analyzed for mercury in accordance with EPA SW-846 Method 7471A DOD. The samples were prepared on 04/15/2013, 04/16/2013 and 04/17/2013 and analyzed on 04/16/2013, 04/17/2013 and 04/19/2013.

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

NITROCELLULOSE

Samples 079SB-0014M-0001-SO (240-22663-4), 079SB-0017M-0001-SO (240-22663-7), 073SB-0041M-0001-SO (240-22663-17), 079SB-0026M-0001-SO (240-22663-26) and 079SB-0028M-0001-SO (240-22663-28) were analyzed for Nitrocellulose in accordance with EPA Method 353.2. The samples were prepared on 04/22/2013 and analyzed on 04/23/2013.

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

PERCENT SOLIDS

Samples 079SB-0010M-0001-SO (240-22663-1), 079SB-0011M-0001-SO (240-22663-2), 079SB-0013M-0001-SO (240-22663-3), 079SB-0014M-0001-SO (240-22663-4), 079SB-0015M-0001,0002-SO (240-22663-5), 079SB-0016M-0001-SO (240-22663-6), 079SB-0017M-0001-SO (240-22663-7), 079SB-0020M-0001-SO (240-22663-8), 079SB-0019M-0001-SO (240-22663-9), 070SB-0046M-0001-SB (240-22663-10), 073SS-0035M-0001-SO (240-22663-11), 073SB-0036M-0001-SO (240-22663-12), 073SB-0037M-0001-SO (240-22663-13), 073SB-0038M-0001-SO (240-22663-14), 073SB-0039M-0001-SO (240-22663-15), 073SB-0040M-0001,0002-SO (240-22663-16), 073SB-0041M-0001-SO (240-22663-17), 073SB-0042M-0001-SO (240-22663-18), 073SB-0043M-0001-SO (240-22663-19), 073SB-0044-0001-SO (240-22663-20), 079SB-0021M-0001-SO (240-22663-21), 079SB-0022M-0001-SO (240-22663-22), 079SB-0023M-0001-SO (240-22663-23), 079SB-0024M-0001,0002-SO (240-22663-24), 079SB-0025M-0001-SO (240-22663-25), 079SB-0026M-0001-SO (240-22663-26), 079SB-0027M-0001-SO (240-22663-27), 079SB-0028M-0001-SO (240-22663-28), 079SB-0029-0001-SO (240-22663-29), 068SB-0017M-0001-SO (240-22663-31), 068SB-0018M-0001-SO (240-22663-32), 068SB-0019M-0001-SO (240-22663-33), 068SB-0022M-0001-SO (240-22663-34), 068SB-0020M-0001-SO (240-22663-35), 068SB-0023M-0001-SO (240-22663-36), 068SB-0024M-0001-SO (240-22663-37), 068SB-0025M-0001-SO (240-22663-38), 068SB-0032-0001-SO (240-22663-39), 068SB-0027M-0001-SO (240-22663-40), 068SB-0028M-0001-SO (240-22663-41), 068SB-0030M-0001-SO (240-22663-43) and 068SB-0031M-0001-SO (240-22663-44) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 04/08/2013.

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 82668

Lab Sample ID: STD5 240-82668/2 IC Client Sample ID:

Date Analyzed: 04/19/13 10:42 Lab File ID: 30419102.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.58	Poor Chromatography	ulmanm	04/19/13 11:09
Pyridine	4.09	Poor Chromatography	ulmanm	04/19/13 11:09
Indeno[1,2,3-cd]pyrene	17.43	Poor Chromatography	ulmanm	04/19/13 11:09

Lab Sample ID: STD4 240-82668/3 IC Client Sample ID:

Date Analyzed: 04/19/13 11:08 Lab File ID: 30419103.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.58	Poor Chromatography	ulmanm	04/19/13 11:35
Benzoic acid	7.53	Poor Chromatography	ulmanm	04/19/13 11:35
2,4-Dinitrophenol	9.37	Poor Chromatography	ulmanm	04/19/13 11:35

Lab Sample ID: STD3 240-82668/4 IC Client Sample ID:

Date Analyzed: 04/19/13 11:34 Lab File ID: 30419104.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.58	Poor Chromatography	ulmanm	04/19/13 12:40
Pyridine	4.09	Poor Chromatography	ulmanm	04/19/13 12:40
Benzoic acid	7.52	Poor Chromatography	ulmanm	04/19/13 12:40
Pentachlorophenol	10.47	Poor Chromatography	ulmanm	04/19/13 12:40
Indeno[1,2,3-cd]pyrene	17.41	Poor Chromatography	ulmanm	04/19/13 12:40
Dibenz(a,h)anthracene	17.42	Poor Chromatography	ulmanm	04/19/13 12:40
Benzo[g,h,i]perylene	18.14	Poor Chromatography	ulmanm	04/19/13 12:40

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 82668

Lab Sample ID: STD2 240-82668/5 IC Client Sample ID:

Date Analyzed: 04/19/13 12:01 Lab File ID: 30419105.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.59	Poor Chromatography	ulmanm	04/19/13 12:43
Pyridine	4.10	Poor Chromatography	ulmanm	04/19/13 12:43
Benzidine	11.75	Poor Chromatography	ulmanm	04/19/13 12:43
Dibenz(a,h)anthracene	17.42	Poor Chromatography	ulmanm	04/19/13 12:43
Indeno[1,2,3-cd]pyrene	17.42	Poor Chromatography	ulmanm	04/19/13 12:43
Benzo[g,h,i]perylene	18.15	Poor Chromatography	ulmanm	04/19/13 12:43

Lab Sample ID: STD1 240-82668/6 IC Client Sample ID:

Date Analyzed: 04/19/13 12:27 Lab File ID: 30419106.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]pyrene	15.01	Poor Chromatography	ulmanm	04/19/13 12:53
Dibenz(a,h)anthracene	17.42	Poor Chromatography	ulmanm	04/19/13 12:53
Indeno[1,2,3-cd]pyrene	17.42	Poor Chromatography	ulmanm	04/19/13 12:53
Benzo[g,h,i]perylene	18.16	Poor Chromatography	ulmanm	04/19/13 12:53

Lab Sample ID: STD9 240-82668/7 IC Client Sample ID:

Date Analyzed: 04/19/13 12:53 Lab File ID: 30419107.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.59	Poor Chromatography	ulmanm	04/19/13 13:19
Benzoic acid	7.59	Poor Chromatography	ulmanm	04/19/13 13:19

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 82668

Lab Sample ID: STD8 240-82668/8 IC Client Sample ID:

Date Analyzed: 04/19/13 13:19 Lab File ID: 30419108.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.59	Poor Chromatography	ulmanm	04/19/13 13:43

Lab Sample ID: STD7 240-82668/9 IC Client Sample ID:

Date Analyzed: 04/19/13 13:45 Lab File ID: 30419109.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.58	Poor Chromatography	ulmanm	04/19/13 14:11

Lab Sample ID: STD6 240-82668/10 ICIS Client Sample ID:

Date Analyzed: 04/19/13 14:12 Lab File ID: 30419110.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.59	Poor Chromatography	ulmanm	04/19/13 14:42

Lab Sample ID: ICV 240-82668/11 Client Sample ID:

Date Analyzed: 04/19/13 14:38 Lab File ID: 30419111.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.59	Poor Chromatography	ulmanm	04/19/13 15:05
Benzoic acid	7.56	Poor Chromatography	ulmanm	04/19/13 15:05

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 82876

Lab Sample ID: 240-22663-40 Client Sample ID: 068SB-0027M-0001-SO

Date Analyzed: 04/21/13 14:50 Lab File ID: 30421010.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-butyl phthalate	11.01	Poor Chromatography	ulmanm	04/22/13 08:36

Lab Sample ID: 240-22663-41 Client Sample ID: 068SB-0028M-0001-SO

Date Analyzed: 04/21/13 15:42 Lab File ID: 30421012.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	14.43	Poor Chromatography	ulmanm	04/22/13 08:38

Lab Sample ID: 240-22663-43 Client Sample ID: 068SB-0030M-0001-SO

Date Analyzed: 04/21/13 16:09 Lab File ID: 30421013.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	14.43	Poor Chromatography	ulmanm	04/22/13 08:40
Indeno[1,2,3-cd]pyrene	17.33	Poor Chromatography	ulmanm	04/22/13 08:40
Benzo[g,h,i]perylene	18.06	Poor Chromatography	ulmanm	04/22/13 08:40

Lab Sample ID: 240-22663-31 Client Sample ID: 068SB-0017M-0001-SO

Date Analyzed: 04/21/13 17:01 Lab File ID: 30421015.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	14.44	Poor Chromatography	ulmanm	04/22/13 08:45
Indeno[1,2,3-cd]pyrene	17.33	Poor Chromatography	ulmanm	04/22/13 08:45

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 82876

Lab Sample ID: 240-22663-36 Client Sample ID: 068SB-0023M-0001-SO

Date Analyzed: 04/21/13 17:27 Lab File ID: 30421016.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	14.40	Poor Chromatography	ulmanm	04/22/13 08:46
Benzo[k]fluoranthene	14.43	Poor Chromatography	ulmanm	04/22/13 08:46

Lab Sample ID: 240-22663-37 Client Sample ID: 068SB-0024M-0001-SO

Date Analyzed: 04/21/13 17:53 Lab File ID: 30421017.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	14.44	Poor Chromatography	ulmanm	04/22/13 08:48
Benzo[g,h,i]perylene	18.06	Poor Chromatography	ulmanm	04/22/13 08:48

Lab Sample ID: 240-22663-38 Client Sample ID: 068SB-0025M-0001-SO

Date Analyzed: 04/21/13 18:19 Lab File ID: 30421018.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[g,h,i]perylene	18.05	Poor Chromatography	ulmanm	04/22/13 08:50

Lab Sample ID: 240-22663-44 MS Client Sample ID: 068SB-0031M-0001-SO MS

Date Analyzed: 04/21/13 19:11 Lab File ID: 30421020.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dibenz(a,h)anthracene	17.35	Poor Chromatography	ulmanm	04/22/13 08:52

Lab Sample ID: 240-22663-44 MSD Client Sample ID: 068SB-0031M-0001-SO MSD

Date Analyzed: 04/21/13 19:38 Lab File ID: 30421021.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	17.34	Poor Chromatography	ulmanm	04/22/13 08:54

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 82876

Lab Sample ID: mdll1 LODV Client Sample ID:

Date Analyzed: 04/21/13 20:56 Lab File ID: 30421024.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dibenz(a,h)anthracene	17.35	Poor Chromatography	ulmanm	04/22/13 08:11
Benzo[g,h,i]perylene	18.06	Poor Chromatography	ulmanm	04/22/13 08:11

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 82940

Lab Sample ID: CCV 240-82940/2 Client Sample ID:

Date Analyzed: 04/22/13 09:33 Lab File ID: 30422002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.47	Poor Chromatography	ulmanm	04/22/13 09:58
4-Nitroaniline	9.78	Poor Chromatography	ulmanm	04/22/13 09:58

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 78295

Lab Sample ID: STD 240-78295/15 ICRT Client Sample ID:

Date Analyzed: 03/14/13 15:00 Lab File ID: P3031415.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-Chlordane	7.70	Baseline Event	shockr	03/14/13 15:41

Lab Sample ID: STD 240-78295/20 IC Client Sample ID:

Date Analyzed: 03/14/13 16:40 Lab File ID: P3031420.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.39	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 2	10.73	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 3	10.88	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 4	11.29	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 5	11.56	Baseline Event	shockr	03/15/13 07:29

Lab Sample ID: STD 240-78295/20 IC Client Sample ID:

Date Analyzed: 03/14/13 16:40 Lab File ID: P3031420.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.53	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 2	11.12	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 3	11.53	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 4	12.28	Unspecified	shockr	03/15/13 07:34
Toxaphene Peak 5	12.84	Unspecified	shockr	03/15/13 07:34

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 78295

Lab Sample ID: STD 240-78295/21 IC Client Sample ID:

Date Analyzed: 03/14/13 17:00 Lab File ID: P3031421.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.39	Baseline Event	shockr	03/15/13 07:33
Toxaphene Peak 2	10.73	Baseline Event	shockr	03/15/13 07:33
Toxaphene Peak 3	10.88	Baseline Event	shockr	03/15/13 07:33
Toxaphene Peak 4	11.29	Baseline Event	shockr	03/15/13 07:33
Toxaphene Peak 5	11.56	Baseline Event	shockr	03/15/13 07:33

Lab Sample ID: STD 240-78295/22 IC Client Sample ID:

Date Analyzed: 03/14/13 17:20 Lab File ID: P3031422.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.39	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 2	10.73	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 3	10.88	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 4	11.29	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 5	11.56	Baseline Event	shockr	03/15/13 07:28

Lab Sample ID: STD 240-78295/22 IC Client Sample ID:

Date Analyzed: 03/14/13 17:20 Lab File ID: P3031422.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.53	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 2	11.12	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 3	11.54	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 4	12.28	Unspecified	shockr	03/15/13 07:33
Toxaphene Peak 5	12.84	Unspecified	shockr	03/15/13 07:33

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 78295

Lab Sample ID: STD 240-78295/24 IC Client Sample ID:

Date Analyzed: 03/14/13 18:00 Lab File ID: P3031424.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.39	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 2	10.73	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 3	10.88	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 4	11.29	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 5	11.56	Baseline Event	shockr	03/15/13 07:28

Lab Sample ID: STD 240-78295/24 IC Client Sample ID:

Date Analyzed: 03/14/13 18:00 Lab File ID: P3031424.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.53	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 2	11.12	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 3	11.53	Baseline Event	shockr	03/15/13 07:28
Toxaphene Peak 4	12.28	Unspecified	shockr	03/15/13 07:34
Toxaphene Peak 5	12.84	Unspecified	shockr	03/15/13 07:34

Lab Sample ID: ICV 240-78295/25 Client Sample ID:

Date Analyzed: 03/14/13 18:20 Lab File ID: P3031425.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.39	Split Peak	shockr	03/15/13 07:45
Toxaphene Peak 2	10.73	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 3	10.88	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 4	11.29	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 5	11.56	Baseline Event	shockr	03/15/13 07:29

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 78295

Lab Sample ID: ICV 240-78295/25 Client Sample ID:

Date Analyzed: 03/14/13 18:20 Lab File ID: P3031425.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.53	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 2	11.12	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 3	11.54	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 4	12.84	Baseline Event	shockr	03/15/13 07:29
Toxaphene Peak 5	13.12	Baseline Event	shockr	03/15/13 07:29

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 82685

Lab Sample ID: CCV 240-82685/7 Client Sample ID:

Date Analyzed: 04/19/13 12:26 Lab File ID: P3041907.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.26	Baseline Event	shockr	04/19/13 13:09
Toxaphene Peak 2	10.61	Baseline Event	shockr	04/19/13 13:09
Toxaphene Peak 3	10.76	Baseline Event	shockr	04/19/13 13:09
Toxaphene Peak 4	11.17	Baseline Event	shockr	04/19/13 13:09
Toxaphene Peak 5	11.45	Baseline Event	shockr	04/19/13 13:09

Lab Sample ID: CCV 240-82685/7 Client Sample ID:

Date Analyzed: 04/19/13 12:26 Lab File ID: P3041907.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.36	Baseline Event	shockr	04/19/13 13:09
Toxaphene Peak 2	10.95	Baseline Event	shockr	04/19/13 13:09
Toxaphene Peak 3	11.37	Baseline Event	shockr	04/19/13 13:09
Toxaphene Peak 4	12.12	Baseline Event	shockr	04/19/13 13:09
Toxaphene Peak 5	12.68	Baseline Event	shockr	04/19/13 13:09

Lab Sample ID: LCS 240-81726/22-A Client Sample ID:

Date Analyzed: 04/19/13 15:37 Lab File ID: P3041915.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	14.23	Baseline Event	shockr	04/19/13 16:53

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 82685

Lab Sample ID: CCV 240-82685/16 Client Sample ID:

Date Analyzed: 04/19/13 15:57 Lab File ID: P3041916.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.26	Baseline Event	shockr	04/19/13 16:54
Toxaphene Peak 2	10.61	Baseline Event	shockr	04/19/13 16:54
Toxaphene Peak 3	10.76	Baseline Event	shockr	04/19/13 16:54
Toxaphene Peak 4	11.18	Baseline Event	shockr	04/19/13 16:54
Toxaphene Peak 5	11.46	Baseline Event	shockr	04/19/13 16:54

Lab Sample ID: CCV 240-82685/16 Client Sample ID:

Date Analyzed: 04/19/13 15:57 Lab File ID: P3041916.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.34	Baseline Event	shockr	04/19/13 16:54
Toxaphene Peak 2	10.93	Baseline Event	shockr	04/19/13 16:54
Toxaphene Peak 3	11.35	Baseline Event	shockr	04/19/13 16:54
Toxaphene Peak 4	12.09	Baseline Event	shockr	04/19/13 16:54
Toxaphene Peak 5	12.65	Baseline Event	shockr	04/19/13 16:54

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 82857

Lab Sample ID: CCV 240-82857/7 Client Sample ID:

Date Analyzed: 04/20/13 15:02 Lab File ID: P3042007.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.23	Baseline Event	shockr	04/22/13 09:28
Toxaphene Peak 2	10.58	Baseline Event	shockr	04/22/13 09:28
Toxaphene Peak 3	10.73	Baseline Event	shockr	04/22/13 09:28
Toxaphene Peak 4	11.14	Baseline Event	shockr	04/22/13 09:28
Toxaphene Peak 5	11.42	Baseline Event	shockr	04/22/13 09:28

Lab Sample ID: CCV 240-82857/7 Client Sample ID:

Date Analyzed: 04/20/13 15:02 Lab File ID: P3042007.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.34	Baseline Event	shockr	04/22/13 09:24
Toxaphene Peak 2	10.93	Baseline Event	shockr	04/22/13 09:24
Toxaphene Peak 3	11.36	Baseline Event	shockr	04/22/13 09:24
Toxaphene Peak 4	12.10	Baseline Event	shockr	04/22/13 09:24
Toxaphene Peak 5	12.66	Baseline Event	shockr	04/22/13 09:24

Lab Sample ID: CCV 240-82857/36 Client Sample ID:

Date Analyzed: 04/21/13 00:46 Lab File ID: P3042036.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.23	Baseline Event	shockr	04/22/13 10:28
Toxaphene Peak 2	10.57	Baseline Event	shockr	04/22/13 10:28
Toxaphene Peak 3	10.72	Baseline Event	shockr	04/22/13 10:28
Toxaphene Peak 4	11.14	Baseline Event	shockr	04/22/13 10:28
Toxaphene Peak 5	11.41	Baseline Event	shockr	04/22/13 10:28

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 83061

Lab Sample ID: PEM 240-83061/4 Client Sample ID:

Date Analyzed: 04/22/13 18:32 Lab File ID: P3042204.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin aldehyde	11.34	Baseline Event	shockr	04/23/13 09:11

Lab Sample ID: STD 240-83061/5 IC Client Sample ID:

Date Analyzed: 04/22/13 18:52 Lab File ID: P3042205.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.22	Baseline Event	shockr	04/23/13 09:13
Toxaphene Peak 2	10.57	Baseline Event	shockr	04/23/13 09:13
Toxaphene Peak 3	10.72	Baseline Event	shockr	04/23/13 09:13
Toxaphene Peak 4	11.14	Baseline Event	shockr	04/23/13 09:13
Toxaphene Peak 5	11.41	Baseline Event	shockr	04/23/13 09:13

Lab Sample ID: STD 240-83061/5 IC Client Sample ID:

Date Analyzed: 04/22/13 18:52 Lab File ID: P3042205.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.33	Baseline Event	shockr	04/23/13 09:13
Toxaphene Peak 2	10.92	Baseline Event	shockr	04/23/13 09:13
Toxaphene Peak 3	11.34	Baseline Event	shockr	04/23/13 09:13
Toxaphene Peak 4	12.09	Baseline Event	shockr	04/23/13 09:13
Toxaphene Peak 5	12.65	Baseline Event	shockr	04/23/13 09:13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 83061

Lab Sample ID: STD 240-83061/6 IC Client Sample ID:

Date Analyzed: 04/22/13 19:12 Lab File ID: P3042206.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.22	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 2	10.57	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 3	10.72	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 4	11.14	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 5	11.41	Baseline Event	shockr	04/23/13 09:12

Lab Sample ID: STD 240-83061/6 IC Client Sample ID:

Date Analyzed: 04/22/13 19:12 Lab File ID: P3042206.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.33	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 2	10.92	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 3	11.34	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 4	12.09	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 5	12.65	Baseline Event	shockr	04/23/13 09:12

Lab Sample ID: STD 240-83061/7 IC Client Sample ID:

Date Analyzed: 04/22/13 19:32 Lab File ID: P3042207.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.23	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 2	10.57	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 3	10.72	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 4	11.14	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 5	11.41	Baseline Event	shockr	04/23/13 09:12

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 83061

Lab Sample ID: STD 240-83061/7 IC Client Sample ID:

Date Analyzed: 04/22/13 19:32 Lab File ID: P3042207.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.33	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 2	10.92	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 3	11.34	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 4	12.09	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 5	12.65	Baseline Event	shockr	04/23/13 09:12

Lab Sample ID: STD 240-83061/8 IC Client Sample ID:

Date Analyzed: 04/22/13 19:52 Lab File ID: P3042208.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.22	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 2	10.57	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 3	10.72	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 4	11.14	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 5	11.41	Baseline Event	shockr	04/23/13 09:12

Lab Sample ID: STD 240-83061/9 IC Client Sample ID:

Date Analyzed: 04/22/13 20:13 Lab File ID: P3042209.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.22	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 2	10.57	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 3	10.72	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 4	11.14	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 5	11.41	Baseline Event	shockr	04/23/13 09:12

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 83061

Lab Sample ID: STD 240-83061/9 IC Client Sample ID:

Date Analyzed: 04/22/13 20:13 Lab File ID: P3042209.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.33	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 2	10.92	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 3	11.34	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 4	12.09	Baseline Event	shockr	04/23/13 09:12
Toxaphene Peak 5	12.65	Baseline Event	shockr	04/23/13 09:12

Lab Sample ID: ICV 240-83061/10 Client Sample ID:

Date Analyzed: 04/22/13 20:33 Lab File ID: P3042210.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.22	Baseline Event	shockr	04/23/13 09:15
Toxaphene Peak 2	10.57	Baseline Event	shockr	04/23/13 09:15
Toxaphene Peak 3	10.72	Baseline Event	shockr	04/23/13 09:15
Toxaphene Peak 4	11.14	Baseline Event	shockr	04/23/13 09:15
Toxaphene Peak 5	11.41	Baseline Event	shockr	04/23/13 09:15

Lab Sample ID: ICV 240-83061/10 Client Sample ID:

Date Analyzed: 04/22/13 20:33 Lab File ID: P3042210.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.33	Baseline Event	shockr	04/23/13 09:15
Toxaphene Peak 2	10.92	Baseline Event	shockr	04/23/13 09:15
Toxaphene Peak 3	11.34	Baseline Event	shockr	04/23/13 09:15
Toxaphene Peak 4	12.09	Baseline Event	shockr	04/23/13 09:15
Toxaphene Peak 5	12.65	Baseline Event	shockr	04/23/13 09:15

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 83061

Lab Sample ID: STD 240-83061/17 IC Client Sample ID:

Date Analyzed: 04/22/13 22:54 Lab File ID: P3042217.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-Chlordane	7.48	Baseline Event	shockr	04/23/13 09:19

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP3 Analysis Batch Number: 83400

Lab Sample ID: CCV 240-83400/25 Client Sample ID:

Date Analyzed: 04/24/13 18:12 Lab File ID: P3042425.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.32	Baseline Event	shockr	04/25/13 07:12
Toxaphene Peak 2	10.92	Baseline Event	shockr	04/25/13 07:12
Toxaphene Peak 3	11.34	Baseline Event	shockr	04/25/13 07:12
Toxaphene Peak 4	12.08	Baseline Event	shockr	04/25/13 07:12
Toxaphene Peak 5	12.64	Baseline Event	shockr	04/25/13 07:12

Lab Sample ID: MRL 240-83400/26 Client Sample ID:

Date Analyzed: 04/24/13 18:33 Lab File ID: P3042426.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin ketone	11.16	Baseline Event	shockr	04/25/13 07:14

Lab Sample ID: 240-22663-28 MS RE Client Sample ID: 079SB-0028M-0001-SO MS RE

Date Analyzed: 04/24/13 21:14 Lab File ID: P3042434.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDT	11.22	Baseline Event	shockr	04/26/13 09:16

Lab Sample ID: LCS 240-83135/19-A Client Sample ID:

Date Analyzed: 04/24/13 22:14 Lab File ID: P3042437.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDT	9.67	Baseline Event	shockr	04/26/13 09:16

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 81761

Lab Sample ID: STD02 240-81761/11 IC Client Sample ID:

Date Analyzed: 04/15/13 01:47 Lab File ID: P4000011.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.54	Baseline Event	hassl	04/15/13 07:53
PCB-1242 Peak 2	1.82	Baseline Event	hassl	04/15/13 07:53
PCB-1242 Peak 3	2.21	Baseline Event	hassl	04/15/13 07:53
PCB-1242 Peak 4	2.33	Baseline Event	hassl	04/15/13 07:53
PCB-1242 Peak 5	2.71	Baseline Event	hassl	04/15/13 07:53

Lab Sample ID: STD2 240-81761/14 IC Client Sample ID:

Date Analyzed: 04/15/13 02:34 Lab File ID: P4000014.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.54	Baseline Event	hassl	04/15/13 07:53
PCB-1242 Peak 2	1.82	Baseline Event	hassl	04/15/13 07:53
PCB-1242 Peak 3	2.21	Baseline Event	hassl	04/15/13 07:53
PCB-1242 Peak 4	2.33	Baseline Event	hassl	04/15/13 07:53
PCB-1242 Peak 5	2.71	Baseline Event	hassl	04/15/13 07:53

Lab Sample ID: STD005 240-81761/27 IC Client Sample ID:

Date Analyzed: 04/15/13 05:58 Lab File ID: P4000027.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.94	Split Peak	hassl	04/15/13 07:54
PCB-1260 Peak 2	5.17	Split Peak	hassl	04/15/13 07:54
PCB-1260 Peak 3	5.54	Split Peak	hassl	04/15/13 07:54
PCB-1260 Peak 4	6.22	Split Peak	hassl	04/15/13 07:54
PCB-1260 Peak 5	6.61	Split Peak	hassl	04/15/13 07:54

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 81761

Lab Sample ID: STD1 240-81761/31 IC Client Sample ID:

Date Analyzed: 04/15/13 07:00 Lab File ID: P4000031.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.14	Baseline Event	hassl	04/15/13 07:56
PCB-1016 Peak 2	2.54	Baseline Event	hassl	04/15/13 07:56
PCB-1016 Peak 3	2.99	Baseline Event	hassl	04/15/13 07:56
PCB-1016 Peak 4	3.13	Baseline Event	hassl	04/15/13 07:56
PCB-1016 Peak 5	3.23	Baseline Event	hassl	04/15/13 07:56
PCB-1260 Peak 1	4.94	Baseline Event	hassl	04/15/13 07:56
PCB-1260 Peak 2	5.17	Baseline Event	hassl	04/15/13 07:56
PCB-1260 Peak 3	5.54	Baseline Event	hassl	04/15/13 07:56
PCB-1260 Peak 4	6.22	Baseline Event	hassl	04/15/13 07:56
PCB-1260 Peak 5	6.60	Split Peak	hassl	04/15/13 07:56

Lab Sample ID: ICV 240-81761/46 Client Sample ID:

Date Analyzed: 04/15/13 10:56 Lab File ID: P4000046.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.54	Baseline Event	hassl	04/15/13 12:48
PCB-1232 Peak 2	1.82	Baseline Event	hassl	04/15/13 12:48
PCB-1232 Peak 3	2.22	Baseline Event	hassl	04/15/13 12:48
PCB-1232 Peak 4	2.34	Baseline Event	hassl	04/15/13 12:48
PCB-1232 Peak 5	2.72	Baseline Event	hassl	04/15/13 12:48

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 81761

Lab Sample ID: ICV 240-81761/47 Client Sample ID:

Date Analyzed: 04/15/13 11:11 Lab File ID: P4000047.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.54	Baseline Event	hassl	04/15/13 12:49
PCB-1242 Peak 2	1.83	Baseline Event	hassl	04/15/13 12:49
PCB-1242 Peak 3	2.22	Baseline Event	hassl	04/15/13 12:49
PCB-1242 Peak 4	2.34	Baseline Event	hassl	04/15/13 12:49
PCB-1242 Peak 5	2.72	Baseline Event	hassl	04/15/13 12:49

Lab Sample ID: ICV 240-81761/49 Client Sample ID:

Date Analyzed: 04/15/13 11:43 Lab File ID: P4000049.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.34	Baseline Event	hassl	04/15/13 12:50
PCB-1254 Peak 2	3.73	Baseline Event	hassl	04/15/13 12:50
PCB-1254 Peak 3	4.01	Baseline Event	hassl	04/15/13 12:50
PCB-1254 Peak 4	4.20	Baseline Event	hassl	04/15/13 12:50
PCB-1254 Peak 5	4.48	Baseline Event	hassl	04/15/13 12:50

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 82267

Lab Sample ID: CCV 240-82267/23 Client Sample ID:

Date Analyzed: 04/17/13 15:38 Lab File ID: P4000022.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.55	Baseline Event	hassl	04/19/13 08:49
PCB-1016 Peak 2	1.83	Baseline Event	hassl	04/19/13 08:49
PCB-1016 Peak 3	2.22	Baseline Event	hassl	04/19/13 08:49
PCB-1016 Peak 4	2.34	Baseline Event	hassl	04/19/13 08:49
PCB-1016 Peak 5	2.72	Baseline Event	hassl	04/19/13 08:49

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 82363

Lab Sample ID: CCV 240-82363/25 Client Sample ID:

Date Analyzed: 04/18/13 15:21 Lab File ID: P4000025.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.55	Baseline Event	hassl	04/19/13 14:45
PCB-1016 Peak 2	1.83	Baseline Event	hassl	04/19/13 14:45
PCB-1016 Peak 3	2.22	Baseline Event	hassl	04/19/13 14:45
PCB-1016 Peak 4	2.34	Baseline Event	hassl	04/19/13 14:45
PCB-1016 Peak 5	2.72	Baseline Event	hassl	04/19/13 14:45

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 82762

Lab Sample ID: CCV 240-82762/3 CCVRT Client Sample ID:

Date Analyzed: 04/19/13 21:58 Lab File ID: P4000003.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.55	Baseline Event	hassl	04/22/13 12:43
PCB-1016 Peak 2	1.83	Baseline Event	hassl	04/22/13 12:43
PCB-1016 Peak 3	2.22	Baseline Event	hassl	04/22/13 12:43
PCB-1016 Peak 4	2.34	Baseline Event	hassl	04/22/13 12:43
PCB-1016 Peak 5	2.72	Baseline Event	hassl	04/22/13 12:43

Lab Sample ID: CCV 240-82762/13 Client Sample ID:

Date Analyzed: 04/20/13 00:34 Lab File ID: P4000013.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.55	Baseline Event	hassl	04/22/13 12:46
PCB-1016 Peak 2	1.83	Baseline Event	hassl	04/22/13 12:46
PCB-1016 Peak 3	2.22	Baseline Event	hassl	04/22/13 12:46
PCB-1016 Peak 4	2.34	Baseline Event	hassl	04/22/13 12:46
PCB-1016 Peak 5	2.72	Baseline Event	hassl	04/22/13 12:46

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 83996

Lab Sample ID: CCV 240-83996/3 CCVRT Client Sample ID:

Date Analyzed: 04/29/13 08:18 Lab File ID: P4000003.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.56	Baseline Event	hassl	04/29/13 15:55
PCB-1016 Peak 2	1.85	Baseline Event	hassl	04/29/13 15:55
PCB-1016 Peak 3	2.24	Baseline Event	hassl	04/29/13 15:55
PCB-1016 Peak 4	2.36	Baseline Event	hassl	04/29/13 15:55
PCB-1016 Peak 5	2.74	Baseline Event	hassl	04/29/13 15:55
PCB-1260 Peak 1	3.94	Baseline Event	hassl	04/29/13 15:55
PCB-1260 Peak 2	4.23	Baseline Event	hassl	04/29/13 15:55
PCB-1260 Peak 3	4.52	Baseline Event	hassl	04/29/13 15:55
PCB-1260 Peak 4	5.22	Baseline Event	hassl	04/29/13 15:55
PCB-1260 Peak 5	5.51	Baseline Event	hassl	04/29/13 15:55

Lab Sample ID: CCV 240-83996/3 CCVRT Client Sample ID:

Date Analyzed: 04/29/13 08:18 Lab File ID: P4000003.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.17	Baseline Event	hassl	04/29/13 15:55
PCB-1016 Peak 2	2.56	Baseline Event	hassl	04/29/13 15:55
PCB-1016 Peak 3	3.02	Baseline Event	hassl	04/29/13 15:55
PCB-1016 Peak 4	3.16	Baseline Event	hassl	04/29/13 15:55
PCB-1016 Peak 5	3.26	Baseline Event	hassl	04/29/13 15:55
PCB-1260 Peak 1	4.97	Baseline Event	hassl	04/29/13 15:55
PCB-1260 Peak 2	5.20	Baseline Event	hassl	04/29/13 15:55
PCB-1260 Peak 3	5.57	Baseline Event	hassl	04/29/13 15:55
PCB-1260 Peak 4	6.26	Baseline Event	hassl	04/29/13 15:55
PCB-1260 Peak 5	6.64	Split Peak	hassl	04/29/13 15:55

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 83996

Lab Sample ID: MRL 240-83996/4 Client Sample ID:

Date Analyzed: 04/29/13 08:34 Lab File ID: P4000004.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	3.94	Baseline Event	hassl	04/29/13 15:54
PCB-1260 Peak 2	4.24	Baseline Event	hassl	04/29/13 15:54
PCB-1260 Peak 3	4.51	Baseline Event	hassl	04/29/13 15:54
PCB-1260 Peak 4	5.22	Baseline Event	hassl	04/29/13 15:54
PCB-1260 Peak 5	5.50	Baseline Event	hassl	04/29/13 15:54

Lab Sample ID: MRL 240-83996/4 Client Sample ID:

Date Analyzed: 04/29/13 08:34 Lab File ID: P4000004.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.97	Baseline Event	hassl	04/29/13 15:54
PCB-1260 Peak 2	5.20	Baseline Event	hassl	04/29/13 15:54
PCB-1260 Peak 3	5.57	Baseline Event	hassl	04/29/13 15:54
PCB-1260 Peak 4	6.26	Baseline Event	hassl	04/29/13 15:54
PCB-1260 Peak 5	6.64	Baseline Event	hassl	04/29/13 15:54

Lab Sample ID: LCS 240-83675/21-A Client Sample ID:

Date Analyzed: 04/29/13 09:35 Lab File ID: P4000008.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.57	Baseline Event	hassl	04/29/13 15:52
PCB-1016 Peak 2	1.85	Baseline Event	hassl	04/29/13 15:52
PCB-1016 Peak 3	2.25	Baseline Event	hassl	04/29/13 15:52
PCB-1016 Peak 4	2.37	Baseline Event	hassl	04/29/13 15:52
PCB-1016 Peak 5	2.75	Baseline Event	hassl	04/29/13 15:52

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 83996

Lab Sample ID: LCS 240-83675/21-A Client Sample ID:

Date Analyzed: 04/29/13 09:35 Lab File ID: P4000008.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.97	Split Peak	hassl	04/29/13 15:52
PCB-1260 Peak 2	5.20	Split Peak	hassl	04/29/13 15:52
PCB-1260 Peak 3	5.57	Split Peak	hassl	04/29/13 15:52
PCB-1260 Peak 4	6.26	Split Peak	hassl	04/29/13 15:52
PCB-1260 Peak 5	6.64	Split Peak	hassl	04/29/13 15:52

Lab Sample ID: CCV 240-83996/9 Client Sample ID:

Date Analyzed: 04/29/13 09:51 Lab File ID: P4000009.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	3.94	Split Peak	hassl	04/29/13 15:51
PCB-1260 Peak 2	4.23	Split Peak	hassl	04/29/13 15:51
PCB-1260 Peak 3	4.52	Split Peak	hassl	04/29/13 15:51
PCB-1260 Peak 4	5.22	Split Peak	hassl	04/29/13 15:51
PCB-1260 Peak 5	5.51	Split Peak	hassl	04/29/13 15:51

Lab Sample ID: CCV 240-83996/9 Client Sample ID:

Date Analyzed: 04/29/13 09:51 Lab File ID: P4000009.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.97	Split Peak	hassl	04/29/13 15:51
PCB-1260 Peak 2	5.20	Split Peak	hassl	04/29/13 15:51
PCB-1260 Peak 3	5.57	Split Peak	hassl	04/29/13 15:51
PCB-1260 Peak 4	6.26	Split Peak	hassl	04/29/13 15:51
PCB-1260 Peak 5	6.64	Split Peak	hassl	04/29/13 15:51

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 83996

Lab Sample ID: MRL 240-83996/10 Client Sample ID:

Date Analyzed: 04/29/13 10:06 Lab File ID: P4000010.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	3.94	Split Peak	hassl	04/29/13 15:50
PCB-1260 Peak 2	4.24	Split Peak	hassl	04/29/13 15:50
PCB-1260 Peak 3	4.52	Split Peak	hassl	04/29/13 15:50
PCB-1260 Peak 4	5.22	Split Peak	hassl	04/29/13 15:50
PCB-1260 Peak 5	5.51	Split Peak	hassl	04/29/13 15:50

Lab Sample ID: MRL 240-83996/10 Client Sample ID:

Date Analyzed: 04/29/13 10:06 Lab File ID: P4000010.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.97	Split Peak	hassl	04/29/13 15:50
PCB-1260 Peak 2	5.20	Split Peak	hassl	04/29/13 15:50
PCB-1260 Peak 3	5.58	Split Peak	hassl	04/29/13 15:50
PCB-1260 Peak 4	6.26	Split Peak	hassl	04/29/13 15:50
PCB-1260 Peak 5	6.64	Split Peak	hassl	04/29/13 15:50

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Instrument ID: PDA1 Analysis Batch Number: 13890

Lab Sample ID: LODV 320-13890/12 Client Sample ID:

Date Analyzed: 04/09/13 15:43 Lab File ID: 320-0003774-012-1.d GC Column: Luna NH2 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroguanidine	4.19	Split Peak	russellk	04/10/13 09:44

8330 Modified

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 14686

Lab Sample ID: STD01 320-14686/2 IC Client Sample ID:

Date Analyzed: 04/19/13 10:45 Lab File ID: S000003.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Amino-4,6-dinitrotoluene	16.80	Baseline	shafern	04/19/13 11:37
2-Nitrotoluene	22.11	Baseline	shafern	04/19/13 11:37
3-Nitrotoluene	25.58	Baseline	shafern	04/19/13 11:37

Lab Sample ID: STD02 320-14686/3 IC Client Sample ID:

Date Analyzed: 04/19/13 11:29 Lab File ID: S000004.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	8.49	Baseline	shafern	04/19/13 13:16

Lab Sample ID: STD03 320-14686/4 IC Client Sample ID:

Date Analyzed: 04/19/13 12:12 Lab File ID: S000005.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	8.48	Baseline	shafern	04/19/13 15:25

Lab Sample ID: STD04 320-14686/5 IC Client Sample ID:

Date Analyzed: 04/19/13 12:56 Lab File ID: S000006.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	8.48	Baseline	shafern	04/19/13 15:26
3-Nitrotoluene	25.56	Baseline	shafern	04/19/13 15:26

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 14686

Lab Sample ID: ICRT 320-14686/7 Client Sample ID:

Date Analyzed: 04/19/13 14:23 Lab File ID: S000008.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	8.43	Baseline	shafern	04/19/13 15:27

Lab Sample ID: STD07 320-14686/8 IC Client Sample ID:

Date Analyzed: 04/19/13 15:07 Lab File ID: S000009.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	8.40	Baseline	shafern	04/19/13 16:36

Lab Sample ID: LODV 320-14686/12 Client Sample ID:

Date Analyzed: 04/19/13 18:02 Lab File ID: S000013.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene	13.93	Baseline	shafern	04/22/13 07:58
2-Nitrotoluene	22.24	Baseline	shafern	04/22/13 07:58
4-Nitrotoluene	23.88	Baseline	shafern	04/22/13 07:58

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 14706

Lab Sample ID: 240-22663-4 Client Sample ID: 079SB-0014M-0001-SO

Date Analyzed: 04/20/13 02:45 Lab File ID: S000025.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PETN	27.68	Baseline	shafern	04/22/13 08:12

Lab Sample ID: 240-22663-7 Client Sample ID: 079SB-0017M-0001-SO

Date Analyzed: 04/20/13 04:56 Lab File ID: S000028.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3,4-Dinitrotoluene	16.33	Baseline	shafern	04/22/13 08:15

Lab Sample ID: 240-22663-28 Client Sample ID: 079SB-0028M-0001-SO

Date Analyzed: 04/20/13 07:07 Lab File ID: S000031.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
HMX	5.18	Peak not integrated	shafern	04/22/13 08:17

Lab Sample ID: CCVL 320-14706/33 Client Sample ID:

Date Analyzed: 04/20/13 18:03 Lab File ID: S000046.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitrotoluene	23.73	Baseline	shafern	04/22/13 09:05
3-Nitrotoluene	25.56	Baseline	shafern	04/22/13 09:05

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Instrument ID: LC12 Analysis Batch Number: 14998

Lab Sample ID: MB 320-14065/1-A Client Sample ID:

Date Analyzed: 04/25/13 08:07 Lab File ID: X000037.D GC Column: Zorbax CN ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3,4-Dinitrotoluene	38.57	Split Peak	noonanr	04/25/13 12:21

SAMPLE SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-22663-1	079SB-0010M-0001-SO	Solid	04/01/2013 1007	04/02/2013 0800
240-22663-2	079SB-0011M-0001-SO	Solid	04/01/2013 1007	04/02/2013 0800
240-22663-3	079SB-0013M-0001-SO	Solid	04/01/2013 1009	04/02/2013 0800
240-22663-4	079SB-0014M-0001-SO	Solid	04/01/2013 1012	04/02/2013 0800
240-22663-5	079SB-0015M-0001,0002-SO	Solid	04/01/2013 1001	04/02/2013 0800
240-22663-5MS	079SB-0015M-0001,0002-SO	Solid	04/01/2013 1001	04/02/2013 0800
240-22663-5DU	079SB-0015M-0001,0002-SO	Solid	04/01/2013 1001	04/02/2013 0800
240-22663-6	079SB-0016M-0001-SO	Solid	04/01/2013 0915	04/02/2013 0800
240-22663-7	079SB-0017M-0001-SO	Solid	04/01/2013 0924	04/02/2013 0800
240-22663-8	079SB-0020M-0001-SO	Solid	04/01/2013 0924	04/02/2013 0800
240-22663-9	079SB-0019M-0001-SO	Solid	04/01/2013 0945	04/02/2013 0800
240-22663-10	070SB-0046M-0001-SB	Solid	04/01/2013 1500	04/02/2013 0800
240-22663-11	073SS-0035M-0001-SO	Solid	04/01/2013 1420	04/02/2013 0800
240-22663-12	073SB-0036M-0001-SO	Solid	04/01/2013 1345	04/02/2013 0800
240-22663-13	073SB-0037M-0001-SO	Solid	04/01/2013 1350	04/02/2013 0800
240-22663-14	073SB-0038M-0001-SO	Solid	04/01/2013 1240	04/02/2013 0800
240-22663-15	073SB-0039M-0001-SO	Solid	04/01/2013 1240	04/02/2013 0800
240-22663-16	073SB-0040M-0001,0002-SO	Solid	04/01/2013 1253	04/02/2013 0800
240-22663-16MS	073SB-0040M-0001,0002-SO	Solid	04/01/2013 1253	04/02/2013 0800
240-22663-16DU	073SB-0040M-0001,0002-SO	Solid	04/01/2013 1253	04/02/2013 0800
240-22663-17	073SB-0041M-0001-SO	Solid	04/01/2013 1303	04/02/2013 0800
240-22663-18	073SB-0042M-0001-SO	Solid	04/01/2013 1351	04/02/2013 0800
240-22663-19	073SB-0043M-0001-SO	Solid	04/01/2013 1324	04/02/2013 0800
240-22663-20	073SB-0044-0001-SO	Solid	04/01/2013 1329	04/02/2013 0800
240-22663-21	079SB-0021M-0001-SO	Solid	04/01/2013 1121	04/02/2013 0800
240-22663-22	079SB-0022M-0001-SO	Solid	04/01/2013 1124	04/02/2013 0800
240-22663-23	079SB-0023M-0001-SO	Solid	04/01/2013 1124	04/02/2013 0800
240-22663-24	079SB-0024M-0001,0002-SO	Solid	04/01/2013 1129	04/02/2013 0800
240-22663-24MS	079SB-0024M-0001,0002-SO	Solid	04/01/2013 1129	04/02/2013 0800
240-22663-24DU	079SB-0024M-0001,0002-SO	Solid	04/01/2013 1129	04/02/2013 0800
240-22663-25	079SB-0025M-0001-SO	Solid	04/01/2013 1023	04/02/2013 0800
240-22663-26	079SB-0026M-0001-SO	Solid	04/01/2013 1037	04/02/2013 0800
240-22663-27	079SB-0027M-0001-SO	Solid	04/01/2013 1112	04/02/2013 0800
240-22663-28	079SB-0028M-0001-SO	Solid	04/01/2013 1043	04/02/2013 0800
240-22663-29	079SB-0029-0001-SO	Solid	04/01/2013 1055	04/02/2013 0800
240-22663-30	068SB-0026-0001-TB	Water	04/01/2013 0800	04/02/2013 0800
240-22663-31	068SB-0017M-0001-SO	Solid	04/01/2013 1542	04/02/2013 0800
240-22663-32	068SB-0018M-0001-SO	Solid	04/01/2013 1543	04/02/2013 0800
240-22663-33	068SB-0019M-0001-SO	Solid	04/01/2013 1521	04/02/2013 0800
240-22663-34	068SB-0022M-0001-SO	Solid	04/01/2013 1521	04/02/2013 0800
240-22663-35	068SB-0020M-0001-SO	Solid	04/01/2013 1550	04/02/2013 0800
240-22663-36	068SB-0023M-0001-SO	Solid	04/01/2013 1440	04/02/2013 0800
240-22663-37	068SB-0024M-0001-SO	Solid	04/01/2013 1420	04/02/2013 0800
240-22663-38	068SB-0025M-0001-SO	Solid	04/01/2013 1445	04/02/2013 0800
240-22663-39	068SB-0032-0001-SO	Solid	04/01/2013 1530	04/02/2013 0800
240-22663-40	068SB-0027M-0001-SO	Solid	04/01/2013 1400	04/02/2013 0800
240-22663-41	068SB-0028M-0001-SO	Solid	04/01/2013 1402	04/02/2013 0800
240-22663-43	068SB-0030M-0001-SO	Solid	04/01/2013 1405	04/02/2013 0800
240-22663-44	068SB-0031M-0001-SO	Solid	04/01/2013 1344	04/02/2013 0800

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-1	**079SB-0010M-0001-SO**					
Silver		0.026	J	0.085	mg/Kg	6020/DOD
Aluminum		8700		2.6	mg/Kg	6020/DOD
Arsenic		7.3		0.085	mg/Kg	6020/DOD
Barium		44	Q	0.85	mg/Kg	6020/DOD
Beryllium		0.25	Q	0.085	mg/Kg	6020/DOD
Calcium		260		8.5	mg/Kg	6020/DOD
Cadmium		0.078	J Q	0.085	mg/Kg	6020/DOD
Chromium		12		0.17	mg/Kg	6020/DOD
Cobalt		4.0	Q	0.043	mg/Kg	6020/DOD
Copper		12	Q	0.17	mg/Kg	6020/DOD
Iron		19000		4.3	mg/Kg	6020/DOD
Magnesium		1500		8.5	mg/Kg	6020/DOD
Manganese		150	Q	0.43	mg/Kg	6020/DOD
Sodium		27		8.5	mg/Kg	6020/DOD
Nickel		10		0.085	mg/Kg	6020/DOD
Lead		13	Q	0.085	mg/Kg	6020/DOD
Thallium		0.14		0.085	mg/Kg	6020/DOD
Vanadium		17		0.085	mg/Kg	6020/DOD
Zinc		33	Q	0.43	mg/Kg	6020/DOD
Potassium		720		8.5	mg/Kg	6020/DOD
Selenium		0.24	J	0.43	mg/Kg	6020/DOD
Mercury		0.019	J	0.091	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.1		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-2	**079SB-0011M-0001-SO**					
Silver		0.028	J	0.094	mg/Kg	6020/DOD
Aluminum		7800		2.8	mg/Kg	6020/DOD
Arsenic		7.1		0.094	mg/Kg	6020/DOD
Barium		43	Q	0.94	mg/Kg	6020/DOD
Beryllium		0.22	Q	0.094	mg/Kg	6020/DOD
Calcium		400		9.4	mg/Kg	6020/DOD
Cadmium		0.073	J Q	0.094	mg/Kg	6020/DOD
Chromium		10		0.19	mg/Kg	6020/DOD
Cobalt		3.3	Q	0.047	mg/Kg	6020/DOD
Copper		12	Q	0.19	mg/Kg	6020/DOD
Iron		17000		4.7	mg/Kg	6020/DOD
Magnesium		1200		9.4	mg/Kg	6020/DOD
Manganese		110	Q	0.47	mg/Kg	6020/DOD
Sodium		32		9.4	mg/Kg	6020/DOD
Nickel		8.1		0.094	mg/Kg	6020/DOD
Lead		14	Q	0.094	mg/Kg	6020/DOD
Thallium		0.16		0.094	mg/Kg	6020/DOD
Vanadium		15		0.094	mg/Kg	6020/DOD
Zinc		28	Q	0.47	mg/Kg	6020/DOD
Potassium		660		9.4	mg/Kg	6020/DOD
Selenium		0.25	J	0.47	mg/Kg	6020/DOD
Mercury		0.022	J	0.095	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.1		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-3	**079SB-0013M-0001-SO**					
Silver		0.030	J	0.092	mg/Kg	6020/DOD
Aluminum		13000		2.8	mg/Kg	6020/DOD
Arsenic		10		0.092	mg/Kg	6020/DOD
Barium		78	Q	0.92	mg/Kg	6020/DOD
Beryllium		0.64	Q	0.092	mg/Kg	6020/DOD
Calcium		1400		9.2	mg/Kg	6020/DOD
Cadmium		0.28	Q	0.092	mg/Kg	6020/DOD
Chromium		17		0.18	mg/Kg	6020/DOD
Cobalt		12	Q	0.046	mg/Kg	6020/DOD
Copper		21	Q	0.18	mg/Kg	6020/DOD
Iron		24000		4.6	mg/Kg	6020/DOD
Magnesium		3700		9.2	mg/Kg	6020/DOD
Manganese		290	Q	0.46	mg/Kg	6020/DOD
Sodium		50		9.2	mg/Kg	6020/DOD
Nickel		27		0.092	mg/Kg	6020/DOD
Lead		13	Q	0.092	mg/Kg	6020/DOD
Thallium		0.18		0.092	mg/Kg	6020/DOD
Vanadium		19		0.092	mg/Kg	6020/DOD
Zinc		59	Q	0.46	mg/Kg	6020/DOD
Potassium		1300		9.2	mg/Kg	6020/DOD
Selenium		0.33	J	0.46	mg/Kg	6020/DOD
Mercury		0.014	J	0.095	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.4		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-4	**079SB-0014M-0001-SO**					
Acetone		15	J	22	ug/Kg	8260B/DoD
Methylene Chloride		3.3	J B	5.5	ug/Kg	8260B/DoD
Bis(2-ethylhexyl) phthalate		230	J D	360	ug/Kg	8270C/DoD
Di-n-butyl phthalate		120	J D	360	ug/Kg	8270C/DoD
Silver		0.029	J	0.086	mg/Kg	6020/DOD
Aluminum		9800		2.6	mg/Kg	6020/DOD
Arsenic		11		0.086	mg/Kg	6020/DOD
Barium		54	Q	0.86	mg/Kg	6020/DOD
Beryllium		0.56	Q	0.086	mg/Kg	6020/DOD
Calcium		3000		8.6	mg/Kg	6020/DOD
Cadmium		0.23	Q	0.086	mg/Kg	6020/DOD
Chromium		15		0.17	mg/Kg	6020/DOD
Cobalt		14	Q	0.043	mg/Kg	6020/DOD
Copper		20	Q	0.17	mg/Kg	6020/DOD
Iron		23000		4.3	mg/Kg	6020/DOD
Magnesium		3400		8.6	mg/Kg	6020/DOD
Manganese		300	Q	0.43	mg/Kg	6020/DOD
Sodium		46		8.6	mg/Kg	6020/DOD
Nickel		28		0.086	mg/Kg	6020/DOD
Lead		11	Q	0.086	mg/Kg	6020/DOD
Antimony		0.063	J	0.17	mg/Kg	6020/DOD
Thallium		0.14		0.086	mg/Kg	6020/DOD
Vanadium		15		0.086	mg/Kg	6020/DOD
Zinc		76	Q	0.43	mg/Kg	6020/DOD
Potassium		1100		8.6	mg/Kg	6020/DOD
Selenium		0.29	J	0.43	mg/Kg	6020/DOD
Percent Solids		91		0.10	%	Moisture
Percent Moisture		9.0		0.10	%	Moisture
Nitrocellulose		0.76	J	4.7	mg/Kg	WS-WC-0050

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-5	**079SB-0015M-0001,0002-SO**					
Silver		0.030	J	0.090	mg/Kg	6020/DOD
Aluminum		13000	J	2.7	mg/Kg	6020/DOD
Arsenic		10		0.090	mg/Kg	6020/DOD
Barium		68	Q	0.90	mg/Kg	6020/DOD
Beryllium		0.58	Q	0.090	mg/Kg	6020/DOD
Calcium		590		9.0	mg/Kg	6020/DOD
Cadmium		0.20	Q	0.090	mg/Kg	6020/DOD
Chromium		17		0.18	mg/Kg	6020/DOD
Cobalt		11	Q	0.045	mg/Kg	6020/DOD
Copper		20	Q	0.18	mg/Kg	6020/DOD
Iron		26000	J	4.5	mg/Kg	6020/DOD
Magnesium		3200		9.0	mg/Kg	6020/DOD
Manganese		260	Q J	0.45	mg/Kg	6020/DOD
Sodium		40		9.0	mg/Kg	6020/DOD
Nickel		26		0.090	mg/Kg	6020/DOD
Lead		12	Q	0.090	mg/Kg	6020/DOD
Thallium		0.17		0.090	mg/Kg	6020/DOD
Vanadium		19		0.090	mg/Kg	6020/DOD
Zinc		74	Q	0.45	mg/Kg	6020/DOD
Potassium		1200		9.0	mg/Kg	6020/DOD
Selenium		0.28	J	0.45	mg/Kg	6020/DOD
Mercury		0.016	J	0.10	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.4		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-6	**079SB-0016M-0001-SO**					
Silver		0.027	J	0.084	mg/Kg	6020/DOD
Aluminum		12000		2.5	mg/Kg	6020/DOD
Arsenic		12		0.084	mg/Kg	6020/DOD
Barium		77	Q	0.84	mg/Kg	6020/DOD
Beryllium		0.55	Q	0.084	mg/Kg	6020/DOD
Calcium		970		8.4	mg/Kg	6020/DOD
Cadmium		0.16	Q	0.084	mg/Kg	6020/DOD
Chromium		16		0.17	mg/Kg	6020/DOD
Cobalt		11	Q	0.042	mg/Kg	6020/DOD
Copper		18	Q	0.17	mg/Kg	6020/DOD
Iron		27000		4.2	mg/Kg	6020/DOD
Magnesium		3300		8.4	mg/Kg	6020/DOD
Manganese		380	Q	0.42	mg/Kg	6020/DOD
Sodium		45		8.4	mg/Kg	6020/DOD
Nickel		28		0.084	mg/Kg	6020/DOD
Lead		14	Q	0.084	mg/Kg	6020/DOD
Thallium		0.17		0.084	mg/Kg	6020/DOD
Vanadium		18		0.084	mg/Kg	6020/DOD
Zinc		51	Q	0.42	mg/Kg	6020/DOD
Potassium		1100		8.4	mg/Kg	6020/DOD
Selenium		0.25	J	0.42	mg/Kg	6020/DOD
Mercury		0.015	J	0.098	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.3		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-7	**079SB-0017M-0001-SO**					
Methylene Chloride		2.2	J B	4.9	ug/Kg	8260B/DoD
Di-n-butyl phthalate		110	J D	350	ug/Kg	8270C/DoD
Silver		0.029	J	0.099	mg/Kg	6020/DOD
Aluminum		14000		3.0	mg/Kg	6020/DOD
Arsenic		11		0.099	mg/Kg	6020/DOD
Barium		79	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.62	Q	0.099	mg/Kg	6020/DOD
Calcium		1400		9.9	mg/Kg	6020/DOD
Cadmium		0.21	Q	0.099	mg/Kg	6020/DOD
Chromium		18		0.20	mg/Kg	6020/DOD
Cobalt		12	Q	0.050	mg/Kg	6020/DOD
Copper		27	Q	0.20	mg/Kg	6020/DOD
Iron		27000		5.0	mg/Kg	6020/DOD
Magnesium		4000		9.9	mg/Kg	6020/DOD
Manganese		300	Q	0.50	mg/Kg	6020/DOD
Sodium		52		9.9	mg/Kg	6020/DOD
Nickel		30		0.099	mg/Kg	6020/DOD
Lead		13	Q	0.099	mg/Kg	6020/DOD
Thallium		0.18		0.099	mg/Kg	6020/DOD
Vanadium		20		0.099	mg/Kg	6020/DOD
Zinc		60	Q	0.50	mg/Kg	6020/DOD
Potassium		1400		9.9	mg/Kg	6020/DOD
Selenium		0.27	J	0.50	mg/Kg	6020/DOD
Mercury		0.014	J	0.087	mg/Kg	7471/DOD
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-8	**079SB-0020M-0001-SO**					
Silver		0.029	J	0.093	mg/Kg	6020/DOD
Aluminum		14000		2.8	mg/Kg	6020/DOD
Arsenic		11		0.093	mg/Kg	6020/DOD
Barium		71	Q	0.93	mg/Kg	6020/DOD
Beryllium		0.72	Q	0.093	mg/Kg	6020/DOD
Calcium		780		9.3	mg/Kg	6020/DOD
Cadmium		0.22	Q	0.093	mg/Kg	6020/DOD
Chromium		18		0.19	mg/Kg	6020/DOD
Cobalt		15	Q	0.046	mg/Kg	6020/DOD
Copper		28	Q	0.19	mg/Kg	6020/DOD
Iron		26000		4.6	mg/Kg	6020/DOD
Magnesium		3500		9.3	mg/Kg	6020/DOD
Manganese		270	Q	0.46	mg/Kg	6020/DOD
Sodium		42		9.3	mg/Kg	6020/DOD
Nickel		27		0.093	mg/Kg	6020/DOD
Lead		13	Q	0.093	mg/Kg	6020/DOD
Thallium		0.18		0.093	mg/Kg	6020/DOD
Vanadium		21		0.093	mg/Kg	6020/DOD
Zinc		62	Q	0.46	mg/Kg	6020/DOD
Potassium		1200		9.3	mg/Kg	6020/DOD
Selenium		0.35	J	0.46	mg/Kg	6020/DOD
Mercury		0.024	J	0.11	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.4		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-9	**079SB-0019M-0001-SO**					
Silver		0.034	J	0.093	mg/Kg	6020/DOD
Aluminum		13000		2.8	mg/Kg	6020/DOD
Arsenic		9.9		0.093	mg/Kg	6020/DOD
Barium		76	Q	0.93	mg/Kg	6020/DOD
Beryllium		0.49	Q	0.093	mg/Kg	6020/DOD
Calcium		690		9.3	mg/Kg	6020/DOD
Cadmium		0.14	Q	0.093	mg/Kg	6020/DOD
Chromium		16		0.19	mg/Kg	6020/DOD
Cobalt		11	Q	0.047	mg/Kg	6020/DOD
Copper		16	Q	0.19	mg/Kg	6020/DOD
Iron		26000		4.7	mg/Kg	6020/DOD
Magnesium		2600		9.3	mg/Kg	6020/DOD
Manganese		280	Q	0.47	mg/Kg	6020/DOD
Sodium		42		9.3	mg/Kg	6020/DOD
Nickel		20		0.093	mg/Kg	6020/DOD
Lead		13	Q	0.093	mg/Kg	6020/DOD
Thallium		0.17		0.093	mg/Kg	6020/DOD
Vanadium		23		0.093	mg/Kg	6020/DOD
Zinc		45	Q	0.47	mg/Kg	6020/DOD
Potassium		1000		9.3	mg/Kg	6020/DOD
Selenium		0.33	J	0.47	mg/Kg	6020/DOD
Mercury		0.021	J	0.11	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.5		0.10	%	Moisture
240-22663-10	**070SB-0046M-0001-SB**					
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.2		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-11	**073SS-0035M-0001-SO**					
Silver		0.029	J	0.092	mg/Kg	6020/DOD
Aluminum		11000		2.8	mg/Kg	6020/DOD
Arsenic		14		0.092	mg/Kg	6020/DOD
Barium		57	Q	0.92	mg/Kg	6020/DOD
Beryllium		0.52	Q	0.092	mg/Kg	6020/DOD
Calcium		720		9.2	mg/Kg	6020/DOD
Cadmium		0.18	Q	0.092	mg/Kg	6020/DOD
Chromium		14		0.18	mg/Kg	6020/DOD
Cobalt		11	Q	0.046	mg/Kg	6020/DOD
Copper		19	Q	0.18	mg/Kg	6020/DOD
Iron		24000		4.6	mg/Kg	6020/DOD
Magnesium		2700		9.2	mg/Kg	6020/DOD
Manganese		340	Q	0.46	mg/Kg	6020/DOD
Sodium		36		9.2	mg/Kg	6020/DOD
Nickel		22		0.092	mg/Kg	6020/DOD
Lead		15	Q	0.092	mg/Kg	6020/DOD
Antimony		0.35		0.18	mg/Kg	6020/DOD
Thallium		0.16		0.092	mg/Kg	6020/DOD
Vanadium		18		0.092	mg/Kg	6020/DOD
Zinc		54	Q	0.46	mg/Kg	6020/DOD
Potassium		990		9.2	mg/Kg	6020/DOD
Selenium		0.36	J	0.46	mg/Kg	6020/DOD
Mercury		0.027	J	0.11	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.1		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-12	**073SB-0036M-0001-SO**					
Silver		0.024	J	0.087	mg/Kg	6020/DOD
Aluminum		7500		2.6	mg/Kg	6020/DOD
Arsenic		13		0.087	mg/Kg	6020/DOD
Barium		36	Q	0.87	mg/Kg	6020/DOD
Beryllium		0.38	Q	0.087	mg/Kg	6020/DOD
Calcium		1700		8.7	mg/Kg	6020/DOD
Cadmium		0.17	Q	0.087	mg/Kg	6020/DOD
Chromium		11		0.17	mg/Kg	6020/DOD
Cobalt		9.2	Q	0.043	mg/Kg	6020/DOD
Copper		17	Q	0.17	mg/Kg	6020/DOD
Iron		25000		4.3	mg/Kg	6020/DOD
Magnesium		2600		8.7	mg/Kg	6020/DOD
Manganese		400	Q	0.43	mg/Kg	6020/DOD
Sodium		43		8.7	mg/Kg	6020/DOD
Nickel		21		0.087	mg/Kg	6020/DOD
Lead		13	Q	0.087	mg/Kg	6020/DOD
Antimony		0.044	J	0.17	mg/Kg	6020/DOD
Thallium		0.13		0.087	mg/Kg	6020/DOD
Vanadium		12		0.087	mg/Kg	6020/DOD
Zinc		56	Q	0.43	mg/Kg	6020/DOD
Potassium		1000		8.7	mg/Kg	6020/DOD
Selenium		0.25	J	0.43	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.75		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-13	**073SB-0037M-0001-SO**					
Silver		0.030	J	0.081	mg/Kg	6020/DOD
Aluminum		5300		2.4	mg/Kg	6020/DOD
Arsenic		13		0.081	mg/Kg	6020/DOD
Barium		25	Q	0.81	mg/Kg	6020/DOD
Beryllium		0.32	Q	0.081	mg/Kg	6020/DOD
Calcium		4500		8.1	mg/Kg	6020/DOD
Cadmium		0.17	Q	0.081	mg/Kg	6020/DOD
Chromium		8.5		0.16	mg/Kg	6020/DOD
Cobalt		8.1	Q	0.040	mg/Kg	6020/DOD
Copper		17	Q	0.16	mg/Kg	6020/DOD
Iron		19000		4.0	mg/Kg	6020/DOD
Magnesium		2700		8.1	mg/Kg	6020/DOD
Manganese		410	Q	0.40	mg/Kg	6020/DOD
Sodium		38		8.1	mg/Kg	6020/DOD
Nickel		18		0.081	mg/Kg	6020/DOD
Lead		11	Q	0.081	mg/Kg	6020/DOD
Antimony		0.044	J	0.16	mg/Kg	6020/DOD
Thallium		0.12		0.081	mg/Kg	6020/DOD
Vanadium		9.4		0.081	mg/Kg	6020/DOD
Zinc		54	Q	0.40	mg/Kg	6020/DOD
Potassium		850		8.1	mg/Kg	6020/DOD
Selenium		0.19	J	0.40	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.56		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-14	**073SB-0038M-0001-SO**					
Silver		0.022	J	0.093	mg/Kg	6020/DOD
Aluminum		6800		2.8	mg/Kg	6020/DOD
Arsenic		19		0.093	mg/Kg	6020/DOD
Barium		32	Q	0.93	mg/Kg	6020/DOD
Beryllium		0.35	Q	0.093	mg/Kg	6020/DOD
Calcium		640		9.3	mg/Kg	6020/DOD
Cadmium		0.19	Q	0.093	mg/Kg	6020/DOD
Chromium		10		0.19	mg/Kg	6020/DOD
Cobalt		8.7	Q	0.046	mg/Kg	6020/DOD
Copper		20	Q	0.19	mg/Kg	6020/DOD
Iron		22000		4.6	mg/Kg	6020/DOD
Magnesium		2100		9.3	mg/Kg	6020/DOD
Manganese		460	Q	0.46	mg/Kg	6020/DOD
Sodium		40		9.3	mg/Kg	6020/DOD
Nickel		21		0.093	mg/Kg	6020/DOD
Lead		17	Q	0.093	mg/Kg	6020/DOD
Antimony		0.067	J	0.19	mg/Kg	6020/DOD
Thallium		0.15		0.093	mg/Kg	6020/DOD
Vanadium		11		0.093	mg/Kg	6020/DOD
Zinc		64	Q	0.46	mg/Kg	6020/DOD
Potassium		1000		9.3	mg/Kg	6020/DOD
Selenium		0.28	J	0.46	mg/Kg	6020/DOD
Mercury		0.018	J	0.11	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.59		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-15	**073SB-0039M-0001-SO**					
Silver		0.021	J	0.081	mg/Kg	6020/DOD
Aluminum		7000		2.4	mg/Kg	6020/DOD
Arsenic		15		0.081	mg/Kg	6020/DOD
Barium		34	Q	0.81	mg/Kg	6020/DOD
Beryllium		0.40	Q	0.081	mg/Kg	6020/DOD
Calcium		710		8.1	mg/Kg	6020/DOD
Cadmium		0.19	Q	0.081	mg/Kg	6020/DOD
Chromium		10		0.16	mg/Kg	6020/DOD
Cobalt		8.7	Q	0.040	mg/Kg	6020/DOD
Copper		19	Q	0.16	mg/Kg	6020/DOD
Iron		24000		4.0	mg/Kg	6020/DOD
Magnesium		2200		8.1	mg/Kg	6020/DOD
Manganese		460	Q	0.40	mg/Kg	6020/DOD
Sodium		35		8.1	mg/Kg	6020/DOD
Nickel		21		0.081	mg/Kg	6020/DOD
Lead		16	Q	0.081	mg/Kg	6020/DOD
Antimony		0.055	J	0.16	mg/Kg	6020/DOD
Thallium		0.14		0.081	mg/Kg	6020/DOD
Vanadium		12		0.081	mg/Kg	6020/DOD
Zinc		62	Q	0.40	mg/Kg	6020/DOD
Potassium		970		8.1	mg/Kg	6020/DOD
Selenium		0.26	J	0.40	mg/Kg	6020/DOD
Mercury		0.020	J	0.098	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.59		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-16	**073SB-0040M-0001,0002-SO**					
Silver		0.017	J	0.099	mg/Kg	6020/DOD
Aluminum		7000	J	3.0	mg/Kg	6020/DOD
Arsenic		12		0.099	mg/Kg	6020/DOD
Barium		36	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.41	Q	0.099	mg/Kg	6020/DOD
Calcium		670		9.9	mg/Kg	6020/DOD
Cadmium		0.12	Q	0.099	mg/Kg	6020/DOD
Chromium		10		0.20	mg/Kg	6020/DOD
Cobalt		8.3	Q	0.050	mg/Kg	6020/DOD
Copper		17	Q	0.20	mg/Kg	6020/DOD
Iron		20000	J	5.0	mg/Kg	6020/DOD
Magnesium		2200		9.9	mg/Kg	6020/DOD
Manganese		300	Q	0.50	mg/Kg	6020/DOD
Sodium		41		9.9	mg/Kg	6020/DOD
Nickel		19		0.099	mg/Kg	6020/DOD
Lead		11	Q	0.099	mg/Kg	6020/DOD
Antimony		0.047	J	0.20	mg/Kg	6020/DOD
Thallium		0.11		0.099	mg/Kg	6020/DOD
Vanadium		12		0.099	mg/Kg	6020/DOD
Zinc		51	Q	0.50	mg/Kg	6020/DOD
Potassium		760		9.9	mg/Kg	6020/DOD
Selenium		0.17	J	0.50	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.72		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-17	**073SB-0041M-0001-SO**					
Methylene Chloride		1.5	J B	4.1	ug/Kg	8260B/DoD
Bis(2-ethylhexyl) phthalate		95	J D	350	ug/Kg	8270C/DoD
4,4'-DDE		0.66	J H	1.7	ug/Kg	8081/DOD
alpha-BHC		1.2	J H	2.5	ug/Kg	8081/DOD
Silver		0.029	J	0.096	mg/Kg	6020/DOD
Aluminum		4700		2.9	mg/Kg	6020/DOD
Arsenic		11		0.096	mg/Kg	6020/DOD
Barium		25	Q	0.96	mg/Kg	6020/DOD
Beryllium		0.30	Q	0.096	mg/Kg	6020/DOD
Calcium		3100		9.6	mg/Kg	6020/DOD
Cadmium		0.16	Q	0.096	mg/Kg	6020/DOD
Chromium		7.8		0.19	mg/Kg	6020/DOD
Cobalt		7.3	Q	0.048	mg/Kg	6020/DOD
Copper		16	Q	0.19	mg/Kg	6020/DOD
Iron		20000		4.8	mg/Kg	6020/DOD
Magnesium		2100		9.6	mg/Kg	6020/DOD
Manganese		490	Q	0.48	mg/Kg	6020/DOD
Sodium		35		9.6	mg/Kg	6020/DOD
Nickel		17		0.096	mg/Kg	6020/DOD
Lead		11	Q	0.096	mg/Kg	6020/DOD
Antimony		0.24		0.19	mg/Kg	6020/DOD
Thallium		0.12		0.096	mg/Kg	6020/DOD
Vanadium		8.8		0.096	mg/Kg	6020/DOD
Zinc		80	Q	0.48	mg/Kg	6020/DOD
Potassium		730		9.6	mg/Kg	6020/DOD
Selenium		0.16	J	0.48	mg/Kg	6020/DOD
Mercury		0.016	J	0.11	mg/Kg	7471/DOD
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
Nitrocellulose		0.91	J	5.0	mg/Kg	WS-WC-0050

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-18	**073SB-0042M-0001-SO**					
Silver		0.027	J	0.10	mg/Kg	6020/DOD
Aluminum		10000		3.0	mg/Kg	6020/DOD
Arsenic		14		0.10	mg/Kg	6020/DOD
Barium		41	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.52	Q	0.10	mg/Kg	6020/DOD
Calcium		7400		10	mg/Kg	6020/DOD
Cadmium		0.14	Q	0.10	mg/Kg	6020/DOD
Chromium		15		0.20	mg/Kg	6020/DOD
Cobalt		12	Q	0.050	mg/Kg	6020/DOD
Copper		18	Q	0.20	mg/Kg	6020/DOD
Iron		27000		5.0	mg/Kg	6020/DOD
Magnesium		5500		10	mg/Kg	6020/DOD
Manganese		360	Q	0.50	mg/Kg	6020/DOD
Sodium		60		10	mg/Kg	6020/DOD
Nickel		28		0.10	mg/Kg	6020/DOD
Lead		11	Q	0.10	mg/Kg	6020/DOD
Antimony		0.076	J	0.20	mg/Kg	6020/DOD
Thallium		0.13		0.10	mg/Kg	6020/DOD
Vanadium		15		0.10	mg/Kg	6020/DOD
Zinc		52	Q	0.50	mg/Kg	6020/DOD
Potassium		1400		10	mg/Kg	6020/DOD
Selenium		0.21	J	0.50	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.0		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-19	**073SB-0043M-0001-SO**					
Silver		0.023	J	0.096	mg/Kg	6020/DOD
Aluminum		6200		2.9	mg/Kg	6020/DOD
Arsenic		12		0.096	mg/Kg	6020/DOD
Barium		33	Q	0.96	mg/Kg	6020/DOD
Beryllium		0.36	Q	0.096	mg/Kg	6020/DOD
Calcium		2300		9.6	mg/Kg	6020/DOD
Cadmium		0.16	Q	0.096	mg/Kg	6020/DOD
Chromium		9.7		0.19	mg/Kg	6020/DOD
Cobalt		8.1	Q	0.048	mg/Kg	6020/DOD
Copper		17	Q	0.19	mg/Kg	6020/DOD
Iron		19000		4.8	mg/Kg	6020/DOD
Magnesium		2400		9.6	mg/Kg	6020/DOD
Manganese		340	Q	0.48	mg/Kg	6020/DOD
Sodium		38		9.6	mg/Kg	6020/DOD
Nickel		20		0.096	mg/Kg	6020/DOD
Lead		12	Q	0.096	mg/Kg	6020/DOD
Antimony		0.074	J	0.19	mg/Kg	6020/DOD
Thallium		0.12		0.096	mg/Kg	6020/DOD
Vanadium		10		0.096	mg/Kg	6020/DOD
Zinc		54	Q	0.48	mg/Kg	6020/DOD
Potassium		820		9.6	mg/Kg	6020/DOD
Selenium		0.16	J	0.48	mg/Kg	6020/DOD
Mercury		0.015	J	0.11	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.68		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-20	**073SB-0044-0001-SO**					
Silver		0.028	J	0.11	mg/Kg	6020/DOD
Aluminum		3700		3.2	mg/Kg	6020/DOD
Arsenic		7.7		0.11	mg/Kg	6020/DOD
Barium		20	Q	1.1	mg/Kg	6020/DOD
Beryllium		0.27	Q	0.11	mg/Kg	6020/DOD
Calcium		9400		11	mg/Kg	6020/DOD
Cadmium		0.26	Q	0.11	mg/Kg	6020/DOD
Chromium		6.1		0.22	mg/Kg	6020/DOD
Cobalt		6.4	Q	0.054	mg/Kg	6020/DOD
Copper		14	Q	0.22	mg/Kg	6020/DOD
Iron		17000		5.4	mg/Kg	6020/DOD
Magnesium		4600		11	mg/Kg	6020/DOD
Manganese		330	Q	0.54	mg/Kg	6020/DOD
Sodium		39		11	mg/Kg	6020/DOD
Nickel		14		0.11	mg/Kg	6020/DOD
Lead		12	Q	0.11	mg/Kg	6020/DOD
Antimony		0.089	J	0.22	mg/Kg	6020/DOD
Thallium		0.11		0.11	mg/Kg	6020/DOD
Vanadium		7.0		0.11	mg/Kg	6020/DOD
Zinc		67	Q	0.54	mg/Kg	6020/DOD
Potassium		660		11	mg/Kg	6020/DOD
Selenium		0.17	J	0.54	mg/Kg	6020/DOD
Mercury		0.027	J	0.12	mg/Kg	7471/DOD
Percent Solids		91		0.10	%	Moisture
Percent Moisture		9.2		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-21	**079SB-0021M-0001-SO**					
Silver		0.035	J	0.098	mg/Kg	6020/DOD
Aluminum		8000		2.9	mg/Kg	6020/DOD
Arsenic		6.6		0.098	mg/Kg	6020/DOD
Barium		59	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.29	Q	0.098	mg/Kg	6020/DOD
Calcium		600		9.8	mg/Kg	6020/DOD
Cadmium		0.16	Q	0.098	mg/Kg	6020/DOD
Chromium		11		0.20	mg/Kg	6020/DOD
Cobalt		6.6	Q	0.049	mg/Kg	6020/DOD
Copper		8.9	Q	0.20	mg/Kg	6020/DOD
Iron		20000		4.9	mg/Kg	6020/DOD
Magnesium		1400		9.8	mg/Kg	6020/DOD
Manganese		450	Q	0.49	mg/Kg	6020/DOD
Sodium		27		9.8	mg/Kg	6020/DOD
Nickel		10		0.098	mg/Kg	6020/DOD
Lead		12	Q	0.098	mg/Kg	6020/DOD
Thallium		0.13		0.098	mg/Kg	6020/DOD
Vanadium		16		0.098	mg/Kg	6020/DOD
Zinc		100	Q	0.49	mg/Kg	6020/DOD
Potassium		580		9.8	mg/Kg	6020/DOD
Selenium		0.28	J	0.49	mg/Kg	6020/DOD
Mercury		0.029	J	0.11	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.2		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-22	**079SB-0022M-0001-SO**					
Silver		0.026	J	0.098	mg/Kg	6020/DOD
Aluminum		12000		2.9	mg/Kg	6020/DOD
Arsenic		11		0.098	mg/Kg	6020/DOD
Barium		79	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.60	Q	0.098	mg/Kg	6020/DOD
Calcium		2000		9.8	mg/Kg	6020/DOD
Cadmium		0.16	Q	0.098	mg/Kg	6020/DOD
Chromium		16		0.20	mg/Kg	6020/DOD
Cobalt		11	Q	0.049	mg/Kg	6020/DOD
Copper		18	Q	0.20	mg/Kg	6020/DOD
Iron		26000		4.9	mg/Kg	6020/DOD
Magnesium		3500		9.8	mg/Kg	6020/DOD
Manganese		310	Q	0.49	mg/Kg	6020/DOD
Sodium		42		9.8	mg/Kg	6020/DOD
Nickel		26		0.098	mg/Kg	6020/DOD
Lead		12	Q	0.098	mg/Kg	6020/DOD
Thallium		0.15		0.098	mg/Kg	6020/DOD
Vanadium		17		0.098	mg/Kg	6020/DOD
Zinc		62	Q	0.49	mg/Kg	6020/DOD
Potassium		1100		9.8	mg/Kg	6020/DOD
Selenium		0.30	J	0.49	mg/Kg	6020/DOD
Mercury		0.018	J	0.095	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.4		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-23	**079SB-0023M-0001-SO**					
Silver		0.025	J	0.10	mg/Kg	6020/DOD
Aluminum		12000		3.0	mg/Kg	6020/DOD
Arsenic		11		0.10	mg/Kg	6020/DOD
Barium		72	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.60	Q	0.10	mg/Kg	6020/DOD
Calcium		2700		10	mg/Kg	6020/DOD
Cadmium		0.15	Q	0.10	mg/Kg	6020/DOD
Chromium		16		0.20	mg/Kg	6020/DOD
Cobalt		11	Q	0.050	mg/Kg	6020/DOD
Copper		18	Q	0.20	mg/Kg	6020/DOD
Iron		26000		5.0	mg/Kg	6020/DOD
Magnesium		3500		10	mg/Kg	6020/DOD
Manganese		300	Q	0.50	mg/Kg	6020/DOD
Sodium		42		10	mg/Kg	6020/DOD
Nickel		25		0.10	mg/Kg	6020/DOD
Lead		13	Q	0.10	mg/Kg	6020/DOD
Thallium		0.15		0.10	mg/Kg	6020/DOD
Vanadium		17		0.10	mg/Kg	6020/DOD
Zinc		60	Q	0.50	mg/Kg	6020/DOD
Potassium		1100		10	mg/Kg	6020/DOD
Selenium		0.27	J	0.50	mg/Kg	6020/DOD
Mercury		0.018	J	0.087	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.4		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-24	**079SB-0024M-0001,0002-SO**					
Silver		0.030	J	0.097	mg/Kg	6020/DOD
Aluminum		12000	J	2.9	mg/Kg	6020/DOD
Arsenic		10		0.097	mg/Kg	6020/DOD
Barium		72	Q	0.97	mg/Kg	6020/DOD
Beryllium		0.55	Q	0.097	mg/Kg	6020/DOD
Calcium		1000		9.7	mg/Kg	6020/DOD
Cadmium		0.18	Q	0.097	mg/Kg	6020/DOD
Chromium		15		0.19	mg/Kg	6020/DOD
Cobalt		11	Q	0.049	mg/Kg	6020/DOD
Copper		17	Q	0.19	mg/Kg	6020/DOD
Iron		25000	J	4.9	mg/Kg	6020/DOD
Magnesium		2800		9.7	mg/Kg	6020/DOD
Manganese		260	Q	0.49	mg/Kg	6020/DOD
Sodium		35		9.7	mg/Kg	6020/DOD
Nickel		21		0.097	mg/Kg	6020/DOD
Lead		12	Q	0.097	mg/Kg	6020/DOD
Thallium		0.15		0.097	mg/Kg	6020/DOD
Vanadium		19		0.097	mg/Kg	6020/DOD
Zinc		68	Q	0.49	mg/Kg	6020/DOD
Potassium		890		9.7	mg/Kg	6020/DOD
Selenium		0.35	J	0.49	mg/Kg	6020/DOD
Mercury		0.025	J	0.10	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.4		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-25	**079SB-0025M-0001-SO**					
Silver		0.028	J	0.096	mg/Kg	6020/DOD
Aluminum		8900		2.9	mg/Kg	6020/DOD
Arsenic		6.9		0.096	mg/Kg	6020/DOD
Barium		58	Q	0.96	mg/Kg	6020/DOD
Beryllium		0.42	Q	0.096	mg/Kg	6020/DOD
Calcium		2200		9.6	mg/Kg	6020/DOD
Cadmium		0.22	Q	0.096	mg/Kg	6020/DOD
Chromium		12		0.19	mg/Kg	6020/DOD
Cobalt		8.6	Q	0.048	mg/Kg	6020/DOD
Copper		11	Q	0.19	mg/Kg	6020/DOD
Iron		19000		4.8	mg/Kg	6020/DOD
Magnesium		2400		9.6	mg/Kg	6020/DOD
Manganese		560	Q	0.48	mg/Kg	6020/DOD
Sodium		34		9.6	mg/Kg	6020/DOD
Nickel		16		0.096	mg/Kg	6020/DOD
Lead		11	Q	0.096	mg/Kg	6020/DOD
Thallium		0.13		0.096	mg/Kg	6020/DOD
Vanadium		16		0.096	mg/Kg	6020/DOD
Zinc		160	Q	0.48	mg/Kg	6020/DOD
Potassium		820		9.6	mg/Kg	6020/DOD
Selenium		0.27	J	0.48	mg/Kg	6020/DOD
Mercury		0.022	J	0.10	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.2		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-26	**079SB-0026M-0001-SO**					
Methylene Chloride		1.5	J B	5.6	ug/Kg	8260B/DoD
Silver		0.023	J	0.096	mg/Kg	6020/DOD
Aluminum		12000		2.9	mg/Kg	6020/DOD
Arsenic		10		0.096	mg/Kg	6020/DOD
Barium		62	Q	0.96	mg/Kg	6020/DOD
Beryllium		0.58	Q	0.096	mg/Kg	6020/DOD
Calcium		3900		9.6	mg/Kg	6020/DOD
Cadmium		0.15	Q	0.096	mg/Kg	6020/DOD
Chromium		17		0.19	mg/Kg	6020/DOD
Cobalt		11	Q	0.048	mg/Kg	6020/DOD
Copper		19	Q	0.19	mg/Kg	6020/DOD
Iron		27000		4.8	mg/Kg	6020/DOD
Magnesium		3800		9.6	mg/Kg	6020/DOD
Manganese		240	Q	0.48	mg/Kg	6020/DOD
Sodium		42		9.6	mg/Kg	6020/DOD
Nickel		26		0.096	mg/Kg	6020/DOD
Lead		12	Q	0.096	mg/Kg	6020/DOD
Thallium		0.15		0.096	mg/Kg	6020/DOD
Vanadium		19		0.096	mg/Kg	6020/DOD
Zinc		53	Q	0.48	mg/Kg	6020/DOD
Potassium		1000		9.6	mg/Kg	6020/DOD
Selenium		0.27	J	0.48	mg/Kg	6020/DOD
Mercury		0.018	J	0.090	mg/Kg	7471/DOD
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
Nitrocellulose		0.81	J	5.0	mg/Kg	WS-WC-0050

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-27	**079SB-0027M-0001-SO**					
Silver		0.035	J	0.097	mg/Kg	6020/DOD
Aluminum		9500		2.9	mg/Kg	6020/DOD
Arsenic		11		0.097	mg/Kg	6020/DOD
Barium		82	Q	0.97	mg/Kg	6020/DOD
Beryllium		0.46	Q	0.097	mg/Kg	6020/DOD
Calcium		360		9.7	mg/Kg	6020/DOD
Cadmium		0.098	Q	0.097	mg/Kg	6020/DOD
Chromium		15		0.19	mg/Kg	6020/DOD
Cobalt		12	Q	0.049	mg/Kg	6020/DOD
Copper		14	Q	0.19	mg/Kg	6020/DOD
Iron		28000		4.9	mg/Kg	6020/DOD
Magnesium		2200		9.7	mg/Kg	6020/DOD
Manganese		840	Q	0.49	mg/Kg	6020/DOD
Sodium		32		9.7	mg/Kg	6020/DOD
Nickel		18		0.097	mg/Kg	6020/DOD
Lead		14	Q	0.097	mg/Kg	6020/DOD
Thallium		0.13		0.097	mg/Kg	6020/DOD
Vanadium		20		0.097	mg/Kg	6020/DOD
Zinc		47	Q	0.49	mg/Kg	6020/DOD
Potassium		790		9.7	mg/Kg	6020/DOD
Selenium		0.32	J	0.49	mg/Kg	6020/DOD
Mercury		0.025	J	0.092	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.3		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-28	**079SB-0028M-0001-SO**					
Acetone		15	J	23	ug/Kg	8260B/DoD
Methylene Chloride		1.9	J B	5.8	ug/Kg	8260B/DoD
Silver		0.026	J	0.095	mg/Kg	6020/DOD
Aluminum		7900		2.9	mg/Kg	6020/DOD
Arsenic		6.7		0.095	mg/Kg	6020/DOD
Barium		51	Q	0.95	mg/Kg	6020/DOD
Beryllium		0.34	Q	0.095	mg/Kg	6020/DOD
Calcium		380		9.5	mg/Kg	6020/DOD
Cadmium		0.18	Q	0.095	mg/Kg	6020/DOD
Chromium		10		0.19	mg/Kg	6020/DOD
Cobalt		5.0	Q	0.048	mg/Kg	6020/DOD
Copper		9.4	Q	0.19	mg/Kg	6020/DOD
Iron		17000		4.8	mg/Kg	6020/DOD
Magnesium		1400		9.5	mg/Kg	6020/DOD
Manganese		130	Q	0.48	mg/Kg	6020/DOD
Sodium		27		9.5	mg/Kg	6020/DOD
Nickel		12		0.095	mg/Kg	6020/DOD
Lead		11	Q	0.095	mg/Kg	6020/DOD
Thallium		0.12		0.095	mg/Kg	6020/DOD
Vanadium		14		0.095	mg/Kg	6020/DOD
Zinc		42	Q	0.48	mg/Kg	6020/DOD
Potassium		570		9.5	mg/Kg	6020/DOD
Selenium		0.34	J	0.48	mg/Kg	6020/DOD
Mercury		0.026	J	0.097	mg/Kg	7471/DOD
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture
Nitrocellulose		2.5	J	4.8	mg/Kg	WS-WC-0050

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-29	**079SB-0029-0001-SO**					
Silver		0.031	J	0.10	mg/Kg	6020/DOD
Aluminum		2600		3.1	mg/Kg	6020/DOD
Arsenic		8.9		0.10	mg/Kg	6020/DOD
Barium		15	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.13	Q	0.10	mg/Kg	6020/DOD
Calcium		8800		10	mg/Kg	6020/DOD
Cadmium		0.13	Q	0.10	mg/Kg	6020/DOD
Chromium		4.0		0.20	mg/Kg	6020/DOD
Cobalt		3.9	Q	0.051	mg/Kg	6020/DOD
Copper		16	Q	0.20	mg/Kg	6020/DOD
Iron		12000		5.1	mg/Kg	6020/DOD
Magnesium		2800		10	mg/Kg	6020/DOD
Manganese		200	Q	0.51	mg/Kg	6020/DOD
Sodium		40		10	mg/Kg	6020/DOD
Nickel		9.7		0.10	mg/Kg	6020/DOD
Lead		8.1	Q	0.10	mg/Kg	6020/DOD
Antimony		0.26		0.20	mg/Kg	6020/DOD
Thallium		0.091	J	0.10	mg/Kg	6020/DOD
Vanadium		5.1		0.10	mg/Kg	6020/DOD
Zinc		43	Q	0.51	mg/Kg	6020/DOD
Potassium		440		10	mg/Kg	6020/DOD
Selenium		0.17	J	0.51	mg/Kg	6020/DOD
Percent Solids		94		0.10	%	Moisture
Percent Moisture		6.0		0.10	%	Moisture
240-22663-30	**068SB-0026-0001-TB**					
Acetone		6.2	J	10	ug/L	8260B/DoD
Methylene Chloride		1.2		1.0	ug/L	8260B/DoD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-31	**068SB-0017M-0001-SO**					
Anthracene		20	J D	33	ug/Kg	8270C/DoD
Benzo[a]anthracene		65	D	33	ug/Kg	8270C/DoD
Benzo[a]pyrene		44	D	33	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		110	D	33	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		54	D	33	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		33	D M	33	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		140	J D	350	ug/Kg	8270C/DoD
Chrysene		78	D	33	ug/Kg	8270C/DoD
Fluoranthene		140	D	33	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		51	D M	33	ug/Kg	8270C/DoD
Phenanthrene		48	D	33	ug/Kg	8270C/DoD
Pyrene		130	D	33	ug/Kg	8270C/DoD
Silver		0.036	J	0.099	mg/Kg	6020/DOD
Aluminum		11000		3.0	mg/Kg	6020/DOD
Arsenic		8.6		0.099	mg/Kg	6020/DOD
Barium		81	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.60	Q	0.099	mg/Kg	6020/DOD
Calcium		30000		9.9	mg/Kg	6020/DOD
Cadmium		0.26	Q	0.099	mg/Kg	6020/DOD
Chromium		15		0.20	mg/Kg	6020/DOD
Cobalt		9.9	Q	0.050	mg/Kg	6020/DOD
Copper		19	Q	0.20	mg/Kg	6020/DOD
Iron		22000		5.0	mg/Kg	6020/DOD
Magnesium		6200		9.9	mg/Kg	6020/DOD
Manganese		450	Q	0.50	mg/Kg	6020/DOD
Sodium		92		9.9	mg/Kg	6020/DOD
Nickel		23		0.099	mg/Kg	6020/DOD
Lead		14	Q	0.099	mg/Kg	6020/DOD
Antimony		0.068	J	0.20	mg/Kg	6020/DOD
Thallium		0.15		0.099	mg/Kg	6020/DOD
Vanadium		17		0.099	mg/Kg	6020/DOD
Zinc		54	Q	0.50	mg/Kg	6020/DOD
Potassium		1400		9.9	mg/Kg	6020/DOD
Selenium		0.40	J	0.50	mg/Kg	6020/DOD
Mercury		0.041	J	0.11	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.1		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-32	**068SB-0018M-0001-SO**					
Benzo[b]fluoranthene		21	J D	34	ug/Kg	8270C/DoD
Fluoranthene		21	J D	34	ug/Kg	8270C/DoD
Silver		0.034	J	0.10	mg/Kg	6020/DOD
Aluminum		9300		3.0	mg/Kg	6020/DOD
Arsenic		12		0.10	mg/Kg	6020/DOD
Barium		50	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.44	Q	0.10	mg/Kg	6020/DOD
Calcium		34000		10	mg/Kg	6020/DOD
Cadmium		0.17	Q	0.10	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		10	Q	0.050	mg/Kg	6020/DOD
Copper		18	Q	0.20	mg/Kg	6020/DOD
Iron		24000		5.0	mg/Kg	6020/DOD
Magnesium		7400		10	mg/Kg	6020/DOD
Manganese		380	Q	0.50	mg/Kg	6020/DOD
Sodium		88		10	mg/Kg	6020/DOD
Nickel		25		0.10	mg/Kg	6020/DOD
Lead		11	Q	0.10	mg/Kg	6020/DOD
Thallium		0.14		0.10	mg/Kg	6020/DOD
Vanadium		15		0.10	mg/Kg	6020/DOD
Zinc		46	Q	0.50	mg/Kg	6020/DOD
Potassium		1400		10	mg/Kg	6020/DOD
Selenium		0.22	J	0.50	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.87		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-33	**068SB-0019M-0001-SO**					
Silver		0.040	J	0.099	mg/Kg	6020/DOD
Aluminum		11000		3.0	mg/Kg	6020/DOD
Arsenic		11		0.099	mg/Kg	6020/DOD
Barium		74	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.57	Q	0.099	mg/Kg	6020/DOD
Calcium		25000		9.9	mg/Kg	6020/DOD
Cadmium		0.23	Q	0.099	mg/Kg	6020/DOD
Chromium		18		0.20	mg/Kg	6020/DOD
Cobalt		12	Q	0.050	mg/Kg	6020/DOD
Copper		20	Q	0.20	mg/Kg	6020/DOD
Iron		26000		5.0	mg/Kg	6020/DOD
Magnesium		7400		9.9	mg/Kg	6020/DOD
Manganese		360	Q	0.50	mg/Kg	6020/DOD
Sodium		120		9.9	mg/Kg	6020/DOD
Nickel		29		0.099	mg/Kg	6020/DOD
Lead		12	Q	0.099	mg/Kg	6020/DOD
Thallium		0.16		0.099	mg/Kg	6020/DOD
Vanadium		18		0.099	mg/Kg	6020/DOD
Zinc		49	Q	0.50	mg/Kg	6020/DOD
Potassium		1500		9.9	mg/Kg	6020/DOD
Selenium		0.31	J	0.50	mg/Kg	6020/DOD
Mercury		0.021	J	0.10	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.99		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-34	**068SB-0022M-0001-SO**					
Silver		0.037	J	0.097	mg/Kg	6020/DOD
Aluminum		11000		2.9	mg/Kg	6020/DOD
Arsenic		11		0.097	mg/Kg	6020/DOD
Barium		61	Q	0.97	mg/Kg	6020/DOD
Beryllium		0.56	Q	0.097	mg/Kg	6020/DOD
Calcium		26000		9.7	mg/Kg	6020/DOD
Cadmium		0.19	Q	0.097	mg/Kg	6020/DOD
Chromium		17		0.19	mg/Kg	6020/DOD
Cobalt		13	Q	0.049	mg/Kg	6020/DOD
Copper		19	Q	0.19	mg/Kg	6020/DOD
Iron		25000		4.9	mg/Kg	6020/DOD
Magnesium		7400		9.7	mg/Kg	6020/DOD
Manganese		380	Q	0.49	mg/Kg	6020/DOD
Sodium		120		9.7	mg/Kg	6020/DOD
Nickel		29		0.097	mg/Kg	6020/DOD
Lead		11	Q	0.097	mg/Kg	6020/DOD
Thallium		0.16		0.097	mg/Kg	6020/DOD
Vanadium		18		0.097	mg/Kg	6020/DOD
Zinc		48	Q	0.49	mg/Kg	6020/DOD
Potassium		1400		9.7	mg/Kg	6020/DOD
Selenium		0.28	J	0.49	mg/Kg	6020/DOD
Mercury		0.019	J	0.10	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.1		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-35	**068SB-0020M-0001-SO**					
Bis(2-ethylhexyl) phthalate		110	J D	350	ug/Kg	8270C/DoD
Fluoranthene		23	J D	33	ug/Kg	8270C/DoD
Silver		0.034	J	0.10	mg/Kg	6020/DOD
Aluminum		11000		3.0	mg/Kg	6020/DOD
Arsenic		11		0.10	mg/Kg	6020/DOD
Barium		70	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.53	Q	0.10	mg/Kg	6020/DOD
Calcium		30000		10	mg/Kg	6020/DOD
Cadmium		0.19	Q	0.10	mg/Kg	6020/DOD
Chromium		16		0.20	mg/Kg	6020/DOD
Cobalt		11	Q	0.050	mg/Kg	6020/DOD
Copper		19	Q	0.20	mg/Kg	6020/DOD
Iron		24000		5.0	mg/Kg	6020/DOD
Magnesium		7800		10	mg/Kg	6020/DOD
Manganese		410	Q	0.50	mg/Kg	6020/DOD
Sodium		130		10	mg/Kg	6020/DOD
Nickel		27		0.10	mg/Kg	6020/DOD
Lead		11	Q	0.10	mg/Kg	6020/DOD
Thallium		0.17		0.10	mg/Kg	6020/DOD
Vanadium		17		0.10	mg/Kg	6020/DOD
Zinc		47	Q	0.50	mg/Kg	6020/DOD
Potassium		1500		10	mg/Kg	6020/DOD
Selenium		0.28	J	0.50	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.87		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-36	**068SB-0023M-0001-SO**					
Acenaphthylene		19	J D	33	ug/Kg	8270C/DoD
Benzo[a]anthracene		80	D	33	ug/Kg	8270C/DoD
Benzo[a]pyrene		70	D	33	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		140	D M	33	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		71	D	33	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		49	D M	33	ug/Kg	8270C/DoD
Chrysene		110	D	33	ug/Kg	8270C/DoD
Fluoranthene		140	D	33	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		61	D	33	ug/Kg	8270C/DoD
Phenanthrene		55	D	33	ug/Kg	8270C/DoD
Pyrene		120	D	33	ug/Kg	8270C/DoD
Silver		0.036	J	0.10	mg/Kg	6020/DOD
Aluminum		11000		3.0	mg/Kg	6020/DOD
Arsenic		9.0		0.10	mg/Kg	6020/DOD
Barium		71	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.59	Q	0.10	mg/Kg	6020/DOD
Calcium		14000		10	mg/Kg	6020/DOD
Cadmium		0.27	Q	0.10	mg/Kg	6020/DOD
Chromium		16		0.20	mg/Kg	6020/DOD
Cobalt		10	Q	0.050	mg/Kg	6020/DOD
Copper		19	Q	0.20	mg/Kg	6020/DOD
Iron		23000		5.0	mg/Kg	6020/DOD
Magnesium		4800		10	mg/Kg	6020/DOD
Manganese		520	Q	0.50	mg/Kg	6020/DOD
Sodium		71		10	mg/Kg	6020/DOD
Nickel		23		0.10	mg/Kg	6020/DOD
Lead		14	Q	0.10	mg/Kg	6020/DOD
Thallium		0.15		0.10	mg/Kg	6020/DOD
Vanadium		18		0.10	mg/Kg	6020/DOD
Zinc		53	Q	0.50	mg/Kg	6020/DOD
Potassium		1300		10	mg/Kg	6020/DOD
Selenium		0.35	J	0.50	mg/Kg	6020/DOD
Mercury		0.040	J	0.11	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.3		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-37	**068SB-0024M-0001-SO**					
Acenaphthylene		22	J D	33	ug/Kg	8270C/DoD
Anthracene		28	J D	33	ug/Kg	8270C/DoD
Benzo[a]anthracene		110	D	33	ug/Kg	8270C/DoD
Benzo[a]pyrene		94	D	33	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		200	D	33	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		89	D M	33	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		56	D M	33	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		120	J D	350	ug/Kg	8270C/DoD
Chrysene		150	D	33	ug/Kg	8270C/DoD
Fluoranthene		180	D	33	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		72	D	33	ug/Kg	8270C/DoD
Phenanthrene		94	D	33	ug/Kg	8270C/DoD
Pyrene		170	D	33	ug/Kg	8270C/DoD
Silver		0.040	J	0.10	mg/Kg	6020/DOD
Aluminum		10000		3.0	mg/Kg	6020/DOD
Arsenic		14		0.10	mg/Kg	6020/DOD
Barium		63	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.58	Q	0.10	mg/Kg	6020/DOD
Calcium		16000		10	mg/Kg	6020/DOD
Cadmium		0.21	Q	0.10	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		11	Q	0.050	mg/Kg	6020/DOD
Copper		18	Q	0.20	mg/Kg	6020/DOD
Iron		24000		5.0	mg/Kg	6020/DOD
Magnesium		5500		10	mg/Kg	6020/DOD
Manganese		510	Q	0.50	mg/Kg	6020/DOD
Sodium		76		10	mg/Kg	6020/DOD
Nickel		24		0.10	mg/Kg	6020/DOD
Lead		15	Q	0.10	mg/Kg	6020/DOD
Thallium		0.13		0.10	mg/Kg	6020/DOD
Vanadium		16		0.10	mg/Kg	6020/DOD
Zinc		56	Q	0.50	mg/Kg	6020/DOD
Potassium		1200		10	mg/Kg	6020/DOD
Selenium		0.33	J	0.50	mg/Kg	6020/DOD
Mercury		0.025	J	0.10	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.81		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-38	**068SB-0025M-0001-SO**					
Anthracene		52	D	34	ug/Kg	8270C/DoD
Benzo[a]anthracene		120	D	34	ug/Kg	8270C/DoD
Benzo[a]pyrene		83	D	34	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		140	D	34	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		58	D M	34	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		46	D	34	ug/Kg	8270C/DoD
Chrysene		130	D	34	ug/Kg	8270C/DoD
Fluoranthene		270	D	34	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		50	D	34	ug/Kg	8270C/DoD
Phenanthrene		180	D	34	ug/Kg	8270C/DoD
Pyrene		220	D	34	ug/Kg	8270C/DoD
Silver		0.041	J	0.10	mg/Kg	6020/DOD
Aluminum		8700		3.0	mg/Kg	6020/DOD
Arsenic		13		0.10	mg/Kg	6020/DOD
Barium		51	Q	1.0	mg/Kg	6020/DOD
Beryllium		0.42	Q	0.10	mg/Kg	6020/DOD
Calcium		20000		10	mg/Kg	6020/DOD
Cadmium		0.28	Q	0.10	mg/Kg	6020/DOD
Chromium		12		0.20	mg/Kg	6020/DOD
Cobalt		9.1	Q	0.050	mg/Kg	6020/DOD
Copper		24	Q	0.20	mg/Kg	6020/DOD
Iron		22000		5.0	mg/Kg	6020/DOD
Magnesium		5300		10	mg/Kg	6020/DOD
Manganese		420	Q	0.50	mg/Kg	6020/DOD
Sodium		78		10	mg/Kg	6020/DOD
Nickel		21		0.10	mg/Kg	6020/DOD
Lead		16	Q	0.10	mg/Kg	6020/DOD
Thallium		0.13		0.10	mg/Kg	6020/DOD
Vanadium		13		0.10	mg/Kg	6020/DOD
Zinc		77	Q	0.50	mg/Kg	6020/DOD
Potassium		1200		10	mg/Kg	6020/DOD
Selenium		0.30	J	0.50	mg/Kg	6020/DOD
Mercury		0.050	J	0.11	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.94		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-39	**068SB-0032-0001-SO**					
Bis(2-ethylhexyl) phthalate		35	J	81	ug/Kg	8270C/DoD
Di-n-butyl phthalate		30	J	81	ug/Kg	8270C/DoD
Silver		0.029	J	0.11	mg/Kg	6020/DOD
Aluminum		8800		3.4	mg/Kg	6020/DOD
Arsenic		16		0.11	mg/Kg	6020/DOD
Barium		34	Q	1.1	mg/Kg	6020/DOD
Beryllium		0.41	Q	0.11	mg/Kg	6020/DOD
Calcium		4300		11	mg/Kg	6020/DOD
Cadmium		0.14	Q	0.11	mg/Kg	6020/DOD
Chromium		13		0.23	mg/Kg	6020/DOD
Cobalt		12	Q	0.057	mg/Kg	6020/DOD
Copper		20	Q	0.23	mg/Kg	6020/DOD
Iron		26000		5.7	mg/Kg	6020/DOD
Magnesium		5200		11	mg/Kg	6020/DOD
Manganese		620	Q	0.57	mg/Kg	6020/DOD
Sodium		64		11	mg/Kg	6020/DOD
Nickel		29		0.11	mg/Kg	6020/DOD
Lead		12	Q	0.11	mg/Kg	6020/DOD
Thallium		0.14		0.11	mg/Kg	6020/DOD
Vanadium		13		0.11	mg/Kg	6020/DOD
Zinc		50	Q	0.57	mg/Kg	6020/DOD
Potassium		1000		11	mg/Kg	6020/DOD
Selenium		0.25	J	0.57	mg/Kg	6020/DOD
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-40	**068SB-0027M-0001-SO**					
Bis(2-ethylhexyl) phthalate		97		70	ug/Kg	8270C/DoD
Di-n-butyl phthalate		27	J M	70	ug/Kg	8270C/DoD
2-Methylnaphthalene		5.5	J	6.7	ug/Kg	8270C/DoD
Naphthalene		7.3		6.7	ug/Kg	8270C/DoD
Silver		0.036	J	0.097	mg/Kg	6020/DOD
Aluminum		13000		2.9	mg/Kg	6020/DOD
Arsenic		9.7		0.097	mg/Kg	6020/DOD
Barium		81	Q	0.97	mg/Kg	6020/DOD
Beryllium		0.64	Q	0.097	mg/Kg	6020/DOD
Calcium		26000		9.7	mg/Kg	6020/DOD
Cadmium		0.21	Q	0.097	mg/Kg	6020/DOD
Chromium		19		0.19	mg/Kg	6020/DOD
Cobalt		13	Q	0.049	mg/Kg	6020/DOD
Copper		20	Q	0.19	mg/Kg	6020/DOD
Iron		26000		4.9	mg/Kg	6020/DOD
Magnesium		7900		9.7	mg/Kg	6020/DOD
Manganese		410	Q	0.49	mg/Kg	6020/DOD
Sodium		98		9.7	mg/Kg	6020/DOD
Nickel		31		0.097	mg/Kg	6020/DOD
Lead		12	Q	0.097	mg/Kg	6020/DOD
Thallium		0.18		0.097	mg/Kg	6020/DOD
Vanadium		20		0.097	mg/Kg	6020/DOD
Zinc		51	Q	0.49	mg/Kg	6020/DOD
Potassium		1700		9.7	mg/Kg	6020/DOD
Selenium		0.35	J	0.49	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.3		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-41	**068SB-0028M-0001-SO**					
Benzo[a]anthracene		5.5	J	6.7	ug/Kg	8270C/DoD
Benzo[a]pyrene		4.3	J	6.7	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		14		6.7	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		6.8	M	6.7	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		110		70	ug/Kg	8270C/DoD
Chrysene		11		6.7	ug/Kg	8270C/DoD
Fluoranthene		17		6.7	ug/Kg	8270C/DoD
2-Methylnaphthalene		7.3		6.7	ug/Kg	8270C/DoD
Naphthalene		8.0		6.7	ug/Kg	8270C/DoD
Phenanthrene		9.6		6.7	ug/Kg	8270C/DoD
Pyrene		15		6.7	ug/Kg	8270C/DoD
Silver		0.035	J	0.098	mg/Kg	6020/DOD
Aluminum		7400		2.9	mg/Kg	6020/DOD
Arsenic		16		0.098	mg/Kg	6020/DOD
Barium		40	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.38	Q	0.098	mg/Kg	6020/DOD
Calcium		22000		9.8	mg/Kg	6020/DOD
Cadmium		0.17	Q	0.098	mg/Kg	6020/DOD
Chromium		11		0.20	mg/Kg	6020/DOD
Cobalt		8.8	Q	0.049	mg/Kg	6020/DOD
Copper		19	Q	0.20	mg/Kg	6020/DOD
Iron		22000		4.9	mg/Kg	6020/DOD
Magnesium		5600		9.8	mg/Kg	6020/DOD
Manganese		360	Q	0.49	mg/Kg	6020/DOD
Sodium		64		9.8	mg/Kg	6020/DOD
Nickel		24		0.098	mg/Kg	6020/DOD
Lead		12	Q	0.098	mg/Kg	6020/DOD
Thallium		0.12		0.098	mg/Kg	6020/DOD
Vanadium		12		0.098	mg/Kg	6020/DOD
Zinc		47	Q	0.49	mg/Kg	6020/DOD
Potassium		970		9.8	mg/Kg	6020/DOD
Selenium		0.32	J	0.49	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.69		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-43	**068SB-0030M-0001-SO**					
Benzo[a]anthracene		8.4		6.7	ug/Kg	8270C/DoD
Benzo[a]pyrene		7.9		6.7	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		20		6.7	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		12	M	6.7	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		9.9	M	6.7	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		53	J	71	ug/Kg	8270C/DoD
Chrysene		17		6.7	ug/Kg	8270C/DoD
Di-n-butyl phthalate		29	J	71	ug/Kg	8270C/DoD
Fluoranthene		14		6.7	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		8.4	M	6.7	ug/Kg	8270C/DoD
2-Methylnaphthalene		4.1	J	6.7	ug/Kg	8270C/DoD
Naphthalene		6.1	J	6.7	ug/Kg	8270C/DoD
Phenanthrene		5.6	J	6.7	ug/Kg	8270C/DoD
Pyrene		11		6.7	ug/Kg	8270C/DoD
Silver		0.041	J	0.095	mg/Kg	6020/DOD
Aluminum		10000		2.9	mg/Kg	6020/DOD
Arsenic		11		0.095	mg/Kg	6020/DOD
Barium		69	Q	0.95	mg/Kg	6020/DOD
Beryllium		0.49	Q	0.095	mg/Kg	6020/DOD
Calcium		35000		9.5	mg/Kg	6020/DOD
Cadmium		0.21	Q	0.095	mg/Kg	6020/DOD
Chromium		15		0.19	mg/Kg	6020/DOD
Cobalt		10	Q	0.048	mg/Kg	6020/DOD
Copper		19	Q	0.19	mg/Kg	6020/DOD
Iron		23000		4.8	mg/Kg	6020/DOD
Magnesium		7600		9.5	mg/Kg	6020/DOD
Manganese		400	Q	0.48	mg/Kg	6020/DOD
Sodium		83		9.5	mg/Kg	6020/DOD
Nickel		26		0.095	mg/Kg	6020/DOD
Lead		11	Q	0.095	mg/Kg	6020/DOD
Thallium		0.15		0.095	mg/Kg	6020/DOD
Vanadium		16		0.095	mg/Kg	6020/DOD
Zinc		45	Q	0.48	mg/Kg	6020/DOD
Potassium		1400		9.5	mg/Kg	6020/DOD
Selenium		0.30	J	0.48	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.1		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22663-44	**068SB-0031M-0001-SO**					
Benzo[b]fluoranthene		21	J D	33	ug/Kg	8270C/DoD
Di-n-butyl phthalate		110	J D	350	ug/Kg	8270C/DoD
Fluoranthene		28	J D	33	ug/Kg	8270C/DoD
Pyrene		17	J D	33	ug/Kg	8270C/DoD
Silver		0.038	J	0.096	mg/Kg	6020/DOD
Aluminum		8700		2.9	mg/Kg	6020/DOD
Arsenic		9.2		0.096	mg/Kg	6020/DOD
Barium		54	Q	0.96	mg/Kg	6020/DOD
Beryllium		0.46	Q	0.096	mg/Kg	6020/DOD
Calcium		30000		9.6	mg/Kg	6020/DOD
Cadmium		0.18	Q	0.096	mg/Kg	6020/DOD
Chromium		14		0.19	mg/Kg	6020/DOD
Cobalt		8.8	Q	0.048	mg/Kg	6020/DOD
Copper		16	Q	0.19	mg/Kg	6020/DOD
Iron		20000		4.8	mg/Kg	6020/DOD
Magnesium		6600		9.6	mg/Kg	6020/DOD
Manganese		340	Q	0.48	mg/Kg	6020/DOD
Sodium		85		9.6	mg/Kg	6020/DOD
Nickel		22		0.096	mg/Kg	6020/DOD
Lead		9.5	Q	0.096	mg/Kg	6020/DOD
Thallium		0.13		0.096	mg/Kg	6020/DOD
Vanadium		14		0.096	mg/Kg	6020/DOD
Zinc		40	Q	0.48	mg/Kg	6020/DOD
Potassium		1300		9.6	mg/Kg	6020/DOD
Selenium		0.37	J	0.48	mg/Kg	6020/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.90		0.10	%	Moisture

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-22663-1

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

Lab References:

TAL CAN = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

TAL SAC = TestAmerica Sacramento

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Description	Lab Location	Method	Preparation Method

Method References:

EPA = US Environmental Protection Agency

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

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

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

METHOD / ANALYST SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Macenczak, Steven	SM
SW846 8260B/DoD	Quayle, Rick	RQ
SW846 8270C/DoD	Ulman, Mark	MU
SW846 8081/DOD	Shock, Ray	RS
SW846 8082/DOD	Hass, Lori	LH
SW846 6020/DOD	Reinheimer, Bill	BR
SW846 7471/DOD	Sutherland, Aaron	AS
EPA Moisture	Stiller, Jennifer	JS
TAL-SAC WS-WC-0050	Stredny, Joseph	JS
SW846 8330 Modified	Russell, Karen	kr
SW846 8330B	Noonan, Robyn	RN
SW846 8330B	Shafer, Nathan	NS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid % Moisture: 9.0 Date Received: 04/02/2013 0800

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-80954	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-80597	Lab File ID:	141843.D
Dilution:	1.0			Initial Weight/Volume:	5.039 g
Analysis Date:	04/08/2013 1703			Final Weight/Volume:	5 mL
Prep Date:	04/02/2013 1608				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acetone		15	J	6.9	22
Benzene		0.55	U	0.25	5.5
Bromochloromethane		1.1	U	0.77	5.5
Bromodichloromethane		0.55	U	0.31	5.5
Bromoform		0.55	U	0.36	5.5
Bromomethane		1.1	U	0.59	5.5
2-Butanone (MEK)		2.2	U	1.5	22
Carbon disulfide		0.55	U	0.48	5.5
Carbon tetrachloride		0.55	U	0.40	5.5
Chlorobenzene		0.55	U	0.36	5.5
Chloroethane		1.1	U	0.94	5.5
Chloroform		0.55	U	0.32	5.5
Chloromethane		0.55	U	0.45	5.5
cis-1,3-Dichloropropene		0.55	U	0.37	5.5
Dibromochloromethane		1.1	U	0.60	5.5
1,2-Dibromoethane		1.1	U	0.55	5.5
1,1-Dichloroethane		0.55	U	0.39	5.5
1,2-Dichloroethane		0.55	U	0.37	5.5
1,1-Dichloroethene		1.1	U	0.57	5.5
1,2-Dichloroethene, Total		1.1	U	0.84	11
1,2-Dichloropropane		1.1	U	0.75	5.5
Ethylbenzene		0.55	U	0.28	5.5
2-Hexanone		1.1	U	0.69	22
Methylene Chloride		3.3	J B	0.73	5.5
4-Methyl-2-pentanone (MIBK)		1.1	U	0.59	22
Styrene		0.55	U	0.16	5.5
1,1,2,2-Tetrachloroethane		0.55	U	0.37	5.5
Tetrachloroethene		1.1	U	0.57	5.5
Toluene		0.55	U	0.29	5.5
trans-1,3-Dichloropropene		1.1	U	0.59	5.5
1,1,1-Trichloroethane		1.1	U	0.61	5.5
1,1,2-Trichloroethane		0.55	U	0.43	5.5
Trichloroethene		0.55	U	0.46	5.5
Vinyl chloride		0.55	U	0.43	5.5
Xylenes, Total		1.6	U	0.73	11

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	83	Q	85 - 120
Dibromofluoromethane (Surr)	78		59 - 138
1,2-Dichloroethane-d4 (Surr)	91		61 - 130
Toluene-d8 (Surr)	86		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0017M-0001-SO**

Lab Sample ID: 240-22663-7 Date Sampled: 04/01/2013 0924
Client Matrix: Solid % Moisture: 17.7 Date Received: 04/02/2013 0800

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-80954	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-80597	Lab File ID:	141844.D
Dilution:	1.0			Initial Weight/Volume:	6.211 g
Analysis Date:	04/08/2013 1724			Final Weight/Volume:	5 mL
Prep Date:	04/02/2013 1608				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acetone		6.2	U	6.2	20
Benzene		0.49	U	0.22	4.9
Bromochloromethane		0.98	U	0.69	4.9
Bromodichloromethane		0.49	U	0.27	4.9
Bromoform		0.49	U	0.32	4.9
Bromomethane		0.98	U	0.53	4.9
2-Butanone (MEK)		2.0	U	1.4	20
Carbon disulfide		0.49	U	0.43	4.9
Carbon tetrachloride		0.49	U	0.36	4.9
Chlorobenzene		0.49	U	0.32	4.9
Chloroethane		0.98	U	0.84	4.9
Chloroform		0.49	U	0.28	4.9
Chloromethane		0.49	U	0.40	4.9
cis-1,3-Dichloropropene		0.49	U	0.33	4.9
Dibromochloromethane		0.98	U	0.54	4.9
1,2-Dibromoethane		0.98	U	0.49	4.9
1,1-Dichloroethane		0.49	U	0.35	4.9
1,2-Dichloroethane		0.49	U	0.33	4.9
1,1-Dichloroethene		0.98	U	0.51	4.9
1,2-Dichloroethene, Total		0.98	U	0.75	9.8
1,2-Dichloropropane		0.98	U	0.67	4.9
Ethylbenzene		0.49	U	0.25	4.9
2-Hexanone		0.98	U	0.62	20
Methylene Chloride		2.2	J B	0.66	4.9
4-Methyl-2-pentanone (MIBK)		0.98	U	0.53	20
Styrene		0.49	U	0.15	4.9
1,1,2,2-Tetrachloroethane		0.49	U	0.33	4.9
Tetrachloroethene		0.98	U	0.51	4.9
Toluene		0.49	U	0.26	4.9
trans-1,3-Dichloropropene		0.98	U	0.53	4.9
1,1,1-Trichloroethane		0.98	U	0.55	4.9
1,1,2-Trichloroethane		0.49	U	0.38	4.9
Trichloroethene		0.49	U	0.41	4.9
Vinyl chloride		0.49	U	0.38	4.9
Xylenes, Total		1.5	U	0.66	9.8

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	101		85 - 120
Dibromofluoromethane (Surr)	75		59 - 138
1,2-Dichloroethane-d4 (Surr)	90		61 - 130
Toluene-d8 (Surr)	87		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0041M-0001-SO**

Lab Sample ID: 240-22663-17 Date Sampled: 04/01/2013 1303
Client Matrix: Solid % Moisture: 11.6 Date Received: 04/02/2013 0800

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-80954	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-80597	Lab File ID:	141845.D
Dilution:	1.0			Initial Weight/Volume:	6.82 g
Analysis Date:	04/08/2013 1746			Final Weight/Volume:	5 mL
Prep Date:	04/02/2013 1608				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acetone		5.2	U	5.2	17
Benzene		0.41	U	0.19	4.1
Bromochloromethane		0.83	U	0.59	4.1
Bromodichloromethane		0.41	U	0.23	4.1
Bromoform		0.41	U	0.27	4.1
Bromomethane		0.83	U	0.45	4.1
2-Butanone (MEK)		1.7	U	1.2	17
Carbon disulfide		0.41	U	0.36	4.1
Carbon tetrachloride		0.41	U	0.31	4.1
Chlorobenzene		0.41	U	0.27	4.1
Chloroethane		0.83	U	0.71	4.1
Chloroform		0.41	U	0.24	4.1
Chloromethane		0.41	U	0.34	4.1
cis-1,3-Dichloropropene		0.41	U	0.28	4.1
Dibromochloromethane		0.83	U	0.46	4.1
1,2-Dibromoethane		0.83	U	0.41	4.1
1,1-Dichloroethane		0.41	U	0.30	4.1
1,2-Dichloroethane		0.41	U	0.28	4.1
1,1-Dichloroethene		0.83	U	0.43	4.1
1,2-Dichloroethene, Total		0.83	U	0.64	8.3
1,2-Dichloropropane		0.83	U	0.57	4.1
Ethylbenzene		0.41	U	0.22	4.1
2-Hexanone		0.83	U	0.52	17
Methylene Chloride		1.5	J B	0.56	4.1
4-Methyl-2-pentanone (MIBK)		0.83	U	0.45	17
Styrene		0.41	U	0.12	4.1
1,1,2,2-Tetrachloroethane		0.41	U	0.28	4.1
Tetrachloroethene		0.83	U	0.43	4.1
Toluene		0.41	U	0.22	4.1
trans-1,3-Dichloropropene		0.83	U	0.45	4.1
1,1,1-Trichloroethane		0.83	U	0.46	4.1
1,1,2-Trichloroethane		0.41	U	0.32	4.1
Trichloroethene		0.41	U	0.35	4.1
Vinyl chloride		0.41	U	0.32	4.1
Xylenes, Total		1.2	U	0.56	8.3

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	88		85 - 120
Dibromofluoromethane (Surr)	76		59 - 138
1,2-Dichloroethane-d4 (Surr)	90		61 - 130
Toluene-d8 (Surr)	87		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037
Client Matrix: Solid % Moisture: 19.9 Date Received: 04/02/2013 0800

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-80954	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-80597	Lab File ID:	141846.D
Dilution:	1.0			Initial Weight/Volume:	5.61 g
Analysis Date:	04/08/2013 1807			Final Weight/Volume:	5 mL
Prep Date:	04/02/2013 1608				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acetone		7.0	U	7.0	22
Benzene		0.56	U	0.26	5.6
Bromochloromethane		1.1	U	0.79	5.6
Bromodichloromethane		0.56	U	0.31	5.6
Bromoform		0.56	U	0.37	5.6
Bromomethane		1.1	U	0.60	5.6
2-Butanone (MEK)		2.2	U	1.6	22
Carbon disulfide		0.56	U	0.49	5.6
Carbon tetrachloride		0.56	U	0.41	5.6
Chlorobenzene		0.56	U	0.37	5.6
Chloroethane		1.1	U	0.96	5.6
Chloroform		0.56	U	0.32	5.6
Chloromethane		0.56	U	0.46	5.6
cis-1,3-Dichloropropene		0.56	U	0.38	5.6
Dibromochloromethane		1.1	U	0.61	5.6
1,2-Dibromoethane		1.1	U	0.56	5.6
1,1-Dichloroethane		0.56	U	0.40	5.6
1,2-Dichloroethane		0.56	U	0.38	5.6
1,1-Dichloroethene		1.1	U	0.58	5.6
1,2-Dichloroethene, Total		1.1	U	0.86	11
1,2-Dichloropropane		1.1	U	0.77	5.6
Ethylbenzene		0.56	U	0.29	5.6
2-Hexanone		1.1	U	0.70	22
Methylene Chloride		1.5	J B	0.75	5.6
4-Methyl-2-pentanone (MIBK)		1.1	U	0.60	22
Styrene		0.56	U	0.17	5.6
1,1,2,2-Tetrachloroethane		0.56	U	0.38	5.6
Tetrachloroethene		1.1	U	0.58	5.6
Toluene		0.56	U	0.30	5.6
trans-1,3-Dichloropropene		1.1	U	0.60	5.6
1,1,1-Trichloroethane		1.1	U	0.62	5.6
1,1,2-Trichloroethane		0.56	U	0.43	5.6
Trichloroethene		0.56	U	0.47	5.6
Vinyl chloride		0.56	U	0.43	5.6
Xylenes, Total		1.7	U	0.75	11

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	68	Q	85 - 120
Dibromofluoromethane (Surr)	69		59 - 138
1,2-Dichloroethane-d4 (Surr)	88		61 - 130
Toluene-d8 (Surr)	73	Q	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043
Client Matrix: Solid % Moisture: 21.2 Date Received: 04/02/2013 0800

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-80954	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-80597	Lab File ID:	141847.D
Dilution:	1.0			Initial Weight/Volume:	5.51 g
Analysis Date:	04/08/2013 1829			Final Weight/Volume:	5 mL
Prep Date:	04/02/2013 1608				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acetone		15	J	7.3	23
Benzene		0.58	U	0.26	5.8
Bromochloromethane		1.2	U	0.82	5.8
Bromodichloromethane		0.58	U	0.32	5.8
Bromoform		0.58	U	0.38	5.8
Bromomethane		1.2	U	0.62	5.8
2-Butanone (MEK)		2.3	U	1.6	23
Carbon disulfide		0.58	U	0.51	5.8
Carbon tetrachloride		0.58	U	0.43	5.8
Chlorobenzene		0.58	U	0.38	5.8
Chloroethane		1.2	U	0.99	5.8
Chloroform		0.58	U	0.33	5.8
Chloromethane		0.58	U	0.47	5.8
cis-1,3-Dichloropropene		0.58	U	0.39	5.8
Dibromochloromethane		1.2	U	0.63	5.8
1,2-Dibromoethane		1.2	U	0.58	5.8
1,1-Dichloroethane		0.58	U	0.41	5.8
1,2-Dichloroethane		0.58	U	0.39	5.8
1,1-Dichloroethene		1.2	U	0.60	5.8
1,2-Dichloroethene, Total		1.2	U	0.89	12
1,2-Dichloropropane		1.2	U	0.79	5.8
Ethylbenzene		0.58	U	0.30	5.8
2-Hexanone		1.2	U	0.73	23
Methylene Chloride		1.9	J B	0.77	5.8
4-Methyl-2-pentanone (MIBK)		1.2	U	0.62	23
Styrene		0.58	U	0.17	5.8
1,1,2,2-Tetrachloroethane		0.58	U	0.39	5.8
Tetrachloroethene		1.2	U	0.60	5.8
Toluene		0.58	U	0.31	5.8
trans-1,3-Dichloropropene		1.2	U	0.62	5.8
1,1,1-Trichloroethane		1.2	U	0.65	5.8
1,1,2-Trichloroethane		0.58	U	0.45	5.8
Trichloroethene		0.58	U	0.48	5.8
Vinyl chloride		0.58	U	0.45	5.8
Xylenes, Total		1.7	U	0.77	12

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	85		85 - 120
Dibromofluoromethane (Surr)	74		59 - 138
1,2-Dichloroethane-d4 (Surr)	88		61 - 130
Toluene-d8 (Surr)	84	Q	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0026-0001-TB**

Lab Sample ID: 240-22663-30 Date Sampled: 04/01/2013 0800
Client Matrix: Water Date Received: 04/02/2013 0800

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-81013	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXR3292.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1627			Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1627				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1-Trichloroethane	0.25	U	0.22	1.0
1,1,2,2-Tetrachloroethane	0.25	U	0.18	1.0
1,1,2-Trichloroethane	0.50	U	0.27	1.0
1,1-Dichloroethane	0.25	U	0.15	1.0
1,1-Dichloroethene	0.25	U	0.19	1.0
1,2-Dichloroethane	0.25	U	0.22	1.0
1,2-Dichloroethene, Total	0.50	U	0.34	2.0
1,2-Dichloropropane	0.25	U	0.18	1.0
2-Butanone (MEK)	0.57	U	0.57	10
2-Hexanone	0.50	U	0.41	10
4-Methyl-2-pentanone (MIBK)	0.50	U	0.32	10
Acetone	6.2	J	1.1	10
Benzene	0.25	U	0.13	1.0
Bromoform	0.64	U	0.64	1.0
Bromomethane	0.50	U	0.41	1.0
Carbon disulfide	0.25	U	0.13	1.0
Carbon tetrachloride	0.25	U	0.13	1.0
Chlorobenzene	0.25	U	0.15	1.0
Chloromethane	0.50	U	0.30	1.0
cis-1,3-Dichloropropene	0.25	U	0.14	1.0
Dibromochloromethane	0.25	U	0.18	1.0
Bromodichloromethane	0.25	U	0.15	1.0
Ethylbenzene	0.25	U	0.17	1.0
Methyl tert-butyl ether	0.25	U	0.17	1.0
Methylene Chloride	1.2		0.33	1.0
Styrene	0.25	U	0.11	1.0
Tetrachloroethene	0.50	U	0.29	1.0
Toluene	0.25	U	0.13	1.0
trans-1,3-Dichloropropene	0.25	U	0.19	1.0
Trichloroethene	0.25	U	0.17	1.0
Vinyl chloride	0.25	U	0.22	1.0
Xylenes, Total	0.75	U	0.28	2.0
Chloroform	0.25	U	0.16	1.0
Bromochloromethane	0.50	U	0.29	1.0
1,2-Dibromoethane	0.25	U	0.24	1.0
Chloroethane	0.50	U	0.29	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	86		85 - 120
1,2-Dichloroethane-d4 (Surr)	92		70 - 120
4-Bromofluorobenzene (Surr)	80		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422009.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.57 g
Analysis Date:	04/22/2013 1238			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	34
Acenaphthylene		17	U	17	34
Anthracene		17	U	17	34
Benzo[a]anthracene		17	U	17	34
Benzo[a]pyrene		17	U	17	34
Benzo[b]fluoranthene		17	U	17	34
Benzo[g,h,i]perylene		17	U	17	34
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		17	U	17	34
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	510
Bis(2-chloroethyl)ether		17	U	10	510
bis (2-chloroisopropyl) ether		140	U	48	510
Bis(2-ethylhexyl) phthalate		230	J D	96	360
4-Bromophenyl phenyl ether		140	U	66	250
Butyl benzyl phthalate		140	U	51	360
Carbazole		140	U	140	250
4-Chloroaniline		140	U	86	760
4-Chloro-3-methylphenol		140	U	110	760
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	66	250
Chrysene		17	U	5.6	34
Dibenz(a,h)anthracene		17	U	17	34
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	56	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		410	U	91	510
2,4-Dichlorophenol		140	U	100	760
Diethyl phthalate		140	U	81	360
2,4-Dimethylphenol		410	U	100	760
Dimethyl phthalate		140	U	86	360
Di-n-butyl phthalate		120	J D	76	360
4,6-Dinitro-2-methylphenol		410	U	410	760
2,4-Dinitrophenol		410	U	410	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	360
Fluoranthene		17	U	17	34
Fluorene		17	U	17	34
Hexachlorobenzene		17	U	11	34
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	46	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422009.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.57 g
Analysis Date:	04/22/2013 1238			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		17	U	17	34
Isophorone		140	U	66	250
2-Methylnaphthalene		17	U	17	34
2-Methylphenol		410	U	410	1000
3 & 4 Methylphenol		410	U	100	2000
Naphthalene		17	U	17	34
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		410	U	81	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	510
2-Nitrophenol		140	U	140	250
4-Nitrophenol		410	U	410	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		410	U	410	760
Phenanthrene		17	U	17	34
Phenol		140	U	140	250
Pyrene		17	U	17	34
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	760
2,4,6-Trichlorophenol		410	U	410	760

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	74		45 - 105
2-Fluorophenol (Surr)	72		35 - 105
Nitrobenzene-d5 (Surr)	66		35 - 100
Phenol-d5 (Surr)	79		40 - 100
Terphenyl-d14 (Surr)	63		30 - 125
2,4,6-Tribromophenol (Surr)	63		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0017M-0001-SO**

Lab Sample ID: 240-22663-7 Date Sampled: 04/01/2013 0924
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422013.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.69 g
Analysis Date:	04/22/2013 1423			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	34
Acenaphthylene		17	U	17	34
Anthracene		17	U	17	34
Benzo[a]anthracene		17	U	17	34
Benzo[a]pyrene		17	U	17	34
Benzo[b]fluoranthene		17	U	17	34
Benzo[g,h,i]perylene		17	U	17	34
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		17	U	17	34
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	510
Bis(2-chloroethyl)ether		17	U	10	510
bis (2-chloroisopropyl) ether		140	U	48	510
Bis(2-ethylhexyl) phthalate		140	U	96	350
4-Bromophenyl phenyl ether		140	U	66	250
Butyl benzyl phthalate		140	U	51	350
Carbazole		140	U	140	250
4-Chloroaniline		140	U	86	760
4-Chloro-3-methylphenol		140	U	110	760
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	66	250
Chrysene		17	U	5.6	34
Dibenz(a,h)anthracene		17	U	17	34
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	56	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		400	U	91	510
2,4-Dichlorophenol		140	U	100	760
Diethyl phthalate		140	U	81	350
2,4-Dimethylphenol		400	U	100	760
Dimethyl phthalate		140	U	86	350
Di-n-butyl phthalate		110	J D	76	350
4,6-Dinitro-2-methylphenol		400	U	400	760
2,4-Dinitrophenol		400	U	400	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	350
Fluoranthene		17	U	17	34
Fluorene		17	U	17	34
Hexachlorobenzene		17	U	11	34
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	45	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0017M-0001-SO**

Lab Sample ID: 240-22663-7 Date Sampled: 04/01/2013 0924
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422013.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.69 g
Analysis Date:	04/22/2013 1423			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		17	U	17	34
Isophorone		140	U	66	250
2-Methylnaphthalene		17	U	17	34
2-Methylphenol		400	U	400	1000
3 & 4 Methylphenol		400	U	100	2000
Naphthalene		17	U	17	34
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		400	U	81	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	510
2-Nitrophenol		140	U	140	250
4-Nitrophenol		400	U	400	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		400	U	400	760
Phenanthrene		17	U	17	34
Phenol		140	U	140	250
Pyrene		17	U	17	34
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	760
2,4,6-Trichlorophenol		400	U	400	760

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	58		45 - 105
2-Fluorophenol (Surr)	62		35 - 105
Nitrobenzene-d5 (Surr)	50		35 - 100
Phenol-d5 (Surr)	62		40 - 100
Terphenyl-d14 (Surr)	55		30 - 125
2,4,6-Tribromophenol (Surr)	58		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0041M-0001-SO**

Lab Sample ID: 240-22663-17 Date Sampled: 04/01/2013 1303
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422010.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.85 g
Analysis Date:	04/22/2013 1304			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	34
Acenaphthylene		17	U	17	34
Anthracene		17	U	17	34
Benzo[a]anthracene		17	U	17	34
Benzo[a]pyrene		17	U	17	34
Benzo[b]fluoranthene		17	U	17	34
Benzo[g,h,i]perylene		17	U	17	34
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		17	U	17	34
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	500
Bis(2-chloroethyl)ether		17	U	10	500
bis (2-chloroisopropyl) ether		140	U	48	500
Bis(2-ethylhexyl) phthalate		95	J D	95	350
4-Bromophenyl phenyl ether		140	U	65	250
Butyl benzyl phthalate		140	U	50	350
Carbazole		140	U	140	250
4-Chloroaniline		140	U	85	750
4-Chloro-3-methylphenol		140	U	110	750
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	65	250
Chrysene		17	U	5.5	34
Dibenz(a,h)anthracene		17	U	17	34
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	55	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		400	U	90	500
2,4-Dichlorophenol		140	U	100	750
Diethyl phthalate		140	U	80	350
2,4-Dimethylphenol		400	U	100	750
Dimethyl phthalate		140	U	85	350
Di-n-butyl phthalate		140	U	75	350
4,6-Dinitro-2-methylphenol		400	U	400	750
2,4-Dinitrophenol		400	U	400	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	350
Fluoranthene		17	U	17	34
Fluorene		17	U	17	34
Hexachlorobenzene		17	U	11	34
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	45	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0041M-0001-SO**

Lab Sample ID: 240-22663-17 Date Sampled: 04/01/2013 1303
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422010.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.85 g
Analysis Date:	04/22/2013 1304			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		17	U	17	34
Isophorone		140	U	65	250
2-Methylnaphthalene		17	U	17	34
2-Methylphenol		400	U	400	1000
3 & 4 Methylphenol		400	U	100	2000
Naphthalene		17	U	17	34
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		400	U	80	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	500
2-Nitrophenol		140	U	140	250
4-Nitrophenol		400	U	400	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		400	U	400	750
Phenanthrene		17	U	17	34
Phenol		140	U	140	250
Pyrene		17	U	17	34
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	750
2,4,6-Trichlorophenol		400	U	400	750

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	77		45 - 105
2-Fluorophenol (Surr)	70		35 - 105
Nitrobenzene-d5 (Surr)	64		35 - 100
Phenol-d5 (Surr)	75		40 - 100
Terphenyl-d14 (Surr)	62		30 - 125
2,4,6-Tribromophenol (Surr)	59		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422014.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.92 g
Analysis Date:	04/22/2013 1449			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	33
Acenaphthylene		17	U	17	33
Anthracene		17	U	17	33
Benzo[a]anthracene		17	U	17	33
Benzo[a]pyrene		17	U	17	33
Benzo[b]fluoranthene		17	U	17	33
Benzo[g,h,i]perylene		17	U	17	33
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		17	U	17	33
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	500
Bis(2-chloroethyl)ether		17	U	10	500
bis (2-chloroisopropyl) ether		140	U	48	500
Bis(2-ethylhexyl) phthalate		140	U	95	350
4-Bromophenyl phenyl ether		140	U	65	250
Butyl benzyl phthalate		140	U	50	350
Carbazole		140	U	140	250
4-Chloroaniline		140	U	85	750
4-Chloro-3-methylphenol		140	U	110	750
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	65	250
Chrysene		17	U	5.5	33
Dibenz(a,h)anthracene		17	U	17	33
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	55	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		400	U	90	500
2,4-Dichlorophenol		140	U	100	750
Diethyl phthalate		140	U	80	350
2,4-Dimethylphenol		400	U	100	750
Dimethyl phthalate		140	U	85	350
Di-n-butyl phthalate		140	U	75	350
4,6-Dinitro-2-methylphenol		400	U	400	750
2,4-Dinitrophenol		400	U	400	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	350
Fluoranthene		17	U	17	33
Fluorene		17	U	17	33
Hexachlorobenzene		17	U	11	33
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	45	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422014.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.92 g
Analysis Date:	04/22/2013 1449			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		17	U	17	33
Isophorone		140	U	65	250
2-Methylnaphthalene		17	U	17	33
2-Methylphenol		400	U	400	1000
3 & 4 Methylphenol		400	U	100	2000
Naphthalene		17	U	17	33
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		400	U	80	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	500
2-Nitrophenol		140	U	140	250
4-Nitrophenol		400	U	400	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		400	U	400	750
Phenanthrene		17	U	17	33
Phenol		140	U	140	250
Pyrene		17	U	17	33
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	750
2,4,6-Trichlorophenol		400	U	400	750

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	64		45 - 105
2-Fluorophenol (Surr)	67		35 - 105
Nitrobenzene-d5 (Surr)	56		35 - 100
Phenol-d5 (Surr)	69		40 - 100
Terphenyl-d14 (Surr)	56		30 - 125
2,4,6-Tribromophenol (Surr)	64		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422011.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.67 g
Analysis Date:	04/22/2013 1330			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	34
Acenaphthylene		17	U	17	34
Anthracene		17	U	17	34
Benzo[a]anthracene		17	U	17	34
Benzo[a]pyrene		17	U	17	34
Benzo[b]fluoranthene		17	U	17	34
Benzo[g,h,i]perylene		17	U	17	34
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		17	U	17	34
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	510
Bis(2-chloroethyl)ether		17	U	10	510
bis (2-chloroisopropyl) ether		140	U	48	510
Bis(2-ethylhexyl) phthalate		140	U	96	350
4-Bromophenyl phenyl ether		140	U	66	250
Butyl benzyl phthalate		140	U	51	350
Carbazole		140	U	140	250
4-Chloroaniline		140	U	86	760
4-Chloro-3-methylphenol		140	U	110	760
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	66	250
Chrysene		17	U	5.6	34
Dibenz(a,h)anthracene		17	U	17	34
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	56	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		400	U	91	510
2,4-Dichlorophenol		140	U	100	760
Diethyl phthalate		140	U	81	350
2,4-Dimethylphenol		400	U	100	760
Dimethyl phthalate		140	U	86	350
Di-n-butyl phthalate		140	U	76	350
4,6-Dinitro-2-methylphenol		400	U	400	760
2,4-Dinitrophenol		400	U	400	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	350
Fluoranthene		17	U	17	34
Fluorene		17	U	17	34
Hexachlorobenzene		17	U	11	34
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	46	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422011.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.67 g
Analysis Date:	04/22/2013 1330			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		17	U	17	34
Isophorone		140	U	66	250
2-Methylnaphthalene		17	U	17	34
2-Methylphenol		400	U	400	1000
3 & 4 Methylphenol		400	U	100	2000
Naphthalene		17	U	17	34
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		400	U	81	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	510
2-Nitrophenol		140	U	140	250
4-Nitrophenol		400	U	400	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		400	U	400	760
Phenanthrene		17	U	17	34
Phenol		140	U	140	250
Pyrene		17	U	17	34
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	760
2,4,6-Trichlorophenol		400	U	400	760

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	65		45 - 105
2-Fluorophenol (Surr)	66		35 - 105
Nitrobenzene-d5 (Surr)	54		35 - 100
Phenol-d5 (Surr)	71		40 - 100
Terphenyl-d14 (Surr)	59		30 - 125
2,4,6-Tribromophenol (Surr)	78		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0017M-0001-SO**

Lab Sample ID: 240-22663-31 Date Sampled: 04/01/2013 1542
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421015.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.88 g
Analysis Date:	04/21/2013 1701			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	33
Acenaphthylene		17	U	17	33
Anthracene		20	J D	17	33
Benzo[a]anthracene		65	D	17	33
Benzo[a]pyrene		44	D	17	33
Benzo[b]fluoranthene		110	D	17	33
Benzo[g,h,i]perylene		54	D	17	33
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		33	D M	17	33
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	500
Bis(2-chloroethyl)ether		17	U	10	500
bis (2-chloroisopropyl) ether		140	U	48	500
Bis(2-ethylhexyl) phthalate		140	J D	95	350
4-Bromophenyl phenyl ether		140	U	65	250
Butyl benzyl phthalate		140	U	50	350
Carbazole		140	U	140	250
4-Chloroaniline		140	U	85	750
4-Chloro-3-methylphenol		140	U	110	750
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	65	250
Chrysene		78	D	5.5	33
Dibenz(a,h)anthracene		17	U	17	33
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	55	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		400	U	90	500
2,4-Dichlorophenol		140	U	100	750
Diethyl phthalate		140	U	80	350
2,4-Dimethylphenol		400	U	100	750
Dimethyl phthalate		140	U	85	350
Di-n-butyl phthalate		140	U	75	350
4,6-Dinitro-2-methylphenol		400	U	400	750
2,4-Dinitrophenol		400	U	400	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	350
Fluoranthene		140	D	17	33
Fluorene		17	U	17	33
Hexachlorobenzene		17	U	11	33
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	45	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0017M-0001-SO**

Lab Sample ID: 240-22663-31 Date Sampled: 04/01/2013 1542
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421015.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.88 g
Analysis Date:	04/21/2013 1701			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		51	D M	17	33
Isophorone		140	U	65	250
2-Methylnaphthalene		17	U	17	33
2-Methylphenol		400	U	400	1000
3 & 4 Methylphenol		400	U	100	2000
Naphthalene		17	U	17	33
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		400	U	80	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	500
2-Nitrophenol		140	U	140	250
4-Nitrophenol		400	U	400	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		400	U	400	750
Phenanthrene		48	D	17	33
Phenol		140	U	140	250
Pyrene		130	D	17	33
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	750
2,4,6-Trichlorophenol		400	U	400	750

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	66		45 - 105
2-Fluorophenol (Surr)	69		35 - 105
Nitrobenzene-d5 (Surr)	57		35 - 100
Phenol-d5 (Surr)	69		40 - 100
Terphenyl-d14 (Surr)	62		30 - 125
2,4,6-Tribromophenol (Surr)	79		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0018M-0001-SO**

Lab Sample ID: 240-22663-32 Date Sampled: 04/01/2013 1543
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422012.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.72 g
Analysis Date:	04/22/2013 1357			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	34
Acenaphthylene		17	U	17	34
Anthracene		17	U	17	34
Benzo[a]anthracene		17	U	17	34
Benzo[a]pyrene		17	U	17	34
Benzo[b]fluoranthene		21	J D	17	34
Benzo[g,h,i]perylene		17	U	17	34
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		17	U	17	34
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	500
Bis(2-chloroethyl)ether		17	U	10	500
bis (2-chloroisopropyl) ether		140	U	48	500
Bis(2-ethylhexyl) phthalate		140	U	96	350
4-Bromophenyl phenyl ether		140	U	66	250
Butyl benzyl phthalate		140	U	50	350
Carbazole		140	U	140	250
4-Chloroaniline		140	U	86	760
4-Chloro-3-methylphenol		140	U	110	760
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	66	250
Chrysene		17	U	5.6	34
Dibenz(a,h)anthracene		17	U	17	34
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	56	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		400	U	91	500
2,4-Dichlorophenol		140	U	100	760
Diethyl phthalate		140	U	81	350
2,4-Dimethylphenol		400	U	100	760
Dimethyl phthalate		140	U	86	350
Di-n-butyl phthalate		140	U	76	350
4,6-Dinitro-2-methylphenol		400	U	400	760
2,4-Dinitrophenol		400	U	400	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	350
Fluoranthene		21	J D	17	34
Fluorene		17	U	17	34
Hexachlorobenzene		17	U	11	34
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	45	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0018M-0001-SO**

Lab Sample ID: 240-22663-32 Date Sampled: 04/01/2013 1543
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422012.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.72 g
Analysis Date:	04/22/2013 1357			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		17	U	17	34
Isophorone		140	U	66	250
2-Methylnaphthalene		17	U	17	34
2-Methylphenol		400	U	400	1000
3 & 4 Methylphenol		400	U	100	2000
Naphthalene		17	U	17	34
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		400	U	81	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	500
2-Nitrophenol		140	U	140	250
4-Nitrophenol		400	U	400	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		400	U	400	760
Phenanthrene		17	U	17	34
Phenol		140	U	140	250
Pyrene		17	U	17	34
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	760
2,4,6-Trichlorophenol		400	U	400	760

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	70		45 - 105
2-Fluorophenol (Surr)	74		35 - 105
Nitrobenzene-d5 (Surr)	60		35 - 100
Phenol-d5 (Surr)	74		40 - 100
Terphenyl-d14 (Surr)	56		30 - 125
2,4,6-Tribromophenol (Surr)	68		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0019M-0001-SO**

Lab Sample ID: 240-22663-33 Date Sampled: 04/01/2013 1521
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422015.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.45 g
Analysis Date:	04/22/2013 1515			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		16	U	16	33
Acenaphthylene		16	U	16	33
Anthracene		16	U	16	33
Benzo[a]anthracene		16	U	16	33
Benzo[a]pyrene		16	U	16	33
Benzo[b]fluoranthene		16	U	16	33
Benzo[g,h,i]perylene		16	U	16	33
Benzoic acid		1600	U	1600	3300
Benzo[k]fluoranthene		16	U	16	33
Benzyl alcohol		130	U	100	1600
Bis(2-chloroethoxy)methane		130	U	110	490
Bis(2-chloroethyl)ether		16	U	9.9	490
bis (2-chloroisopropyl) ether		130	U	47	490
Bis(2-ethylhexyl) phthalate		130	U	94	340
4-Bromophenyl phenyl ether		130	U	64	250
Butyl benzyl phthalate		130	U	49	340
Carbazole		130	U	130	250
4-Chloroaniline		130	U	84	740
4-Chloro-3-methylphenol		130	U	100	740
2-Chloronaphthalene		16	U	16	250
2-Chlorophenol		130	U	130	250
4-Chlorophenyl phenyl ether		130	U	64	250
Chrysene		16	U	5.4	33
Dibenz(a,h)anthracene		16	U	16	33
Dibenzofuran		16	U	16	250
1,2-Dichlorobenzene		130	U	48	250
1,3-Dichlorobenzene		130	U	54	250
1,4-Dichlorobenzene		130	U	99	250
3,3'-Dichlorobenzidine		390	U	89	490
2,4-Dichlorophenol		130	U	99	740
Diethyl phthalate		130	U	79	340
2,4-Dimethylphenol		390	U	99	740
Dimethyl phthalate		130	U	84	340
Di-n-butyl phthalate		130	U	74	340
4,6-Dinitro-2-methylphenol		390	U	390	740
2,4-Dinitrophenol		390	U	390	1600
2,4-Dinitrotoluene		130	U	130	990
2,6-Dinitrotoluene		130	U	100	990
Di-n-octyl phthalate		130	U	130	340
Fluoranthene		16	U	16	33
Fluorene		16	U	16	33
Hexachlorobenzene		16	U	10	33
Hexachlorobutadiene		130	U	130	250
Hexachlorocyclopentadiene		130	U	130	1600
Hexachloroethane		130	U	44	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0019M-0001-SO**

Lab Sample ID: 240-22663-33 Date Sampled: 04/01/2013 1521
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422015.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.45 g
Analysis Date:	04/22/2013 1515			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		16	U	16	33
Isophorone		130	U	64	250
2-Methylnaphthalene		16	U	16	33
2-Methylphenol		390	U	390	990
3 & 4 Methylphenol		390	U	99	2000
Naphthalene		16	U	16	33
2-Nitroaniline		130	U	45	990
3-Nitroaniline		390	U	79	990
4-Nitroaniline		130	U	130	990
Nitrobenzene		16	U	11	490
2-Nitrophenol		130	U	130	250
4-Nitrophenol		390	U	390	1600
N-Nitrosodi-n-propylamine		130	U	130	250
N-Nitrosodiphenylamine		130	U	100	250
Pentachlorophenol		390	U	390	740
Phenanthrene		16	U	16	33
Phenol		130	U	130	250
Pyrene		16	U	16	33
1,2,4-Trichlorobenzene		130	U	130	250
2,4,5-Trichlorophenol		130	U	120	740
2,4,6-Trichlorophenol		390	U	390	740

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	69		45 - 105
2-Fluorophenol (Surr)	65		35 - 105
Nitrobenzene-d5 (Surr)	58		35 - 100
Phenol-d5 (Surr)	72		40 - 100
Terphenyl-d14 (Surr)	57		30 - 125
2,4,6-Tribromophenol (Surr)	57		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0022M-0001-SO**

Lab Sample ID: 240-22663-34 Date Sampled: 04/01/2013 1521
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422016.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.53 g
Analysis Date:	04/22/2013 1541			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	34
Acenaphthylene		17	U	17	34
Anthracene		17	U	17	34
Benzo[a]anthracene		17	U	17	34
Benzo[a]pyrene		17	U	17	34
Benzo[b]fluoranthene		17	U	17	34
Benzo[g,h,i]perylene		17	U	17	34
Benzoic acid		1700	U	1700	3400
Benzo[k]fluoranthene		17	U	17	34
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	510
Bis(2-chloroethyl)ether		17	U	10	510
bis (2-chloroisopropyl) ether		140	U	48	510
Bis(2-ethylhexyl) phthalate		140	U	97	360
4-Bromophenyl phenyl ether		140	U	66	250
Butyl benzyl phthalate		140	U	51	360
Carbazole		140	U	140	250
4-Chloroaniline		140	U	86	760
4-Chloro-3-methylphenol		140	U	110	760
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	66	250
Chrysene		17	U	5.6	34
Dibenz(a,h)anthracene		17	U	17	34
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	56	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		410	U	91	510
2,4-Dichlorophenol		140	U	100	760
Diethyl phthalate		140	U	81	360
2,4-Dimethylphenol		410	U	100	760
Dimethyl phthalate		140	U	86	360
Di-n-butyl phthalate		140	U	76	360
4,6-Dinitro-2-methylphenol		410	U	410	760
2,4-Dinitrophenol		410	U	410	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	360
Fluoranthene		17	U	17	34
Fluorene		17	U	17	34
Hexachlorobenzene		17	U	11	34
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	46	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0022M-0001-SO**

Lab Sample ID: 240-22663-34 Date Sampled: 04/01/2013 1521
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30422016.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.53 g
Analysis Date:	04/22/2013 1541			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		17	U	17	34
Isophorone		140	U	66	250
2-Methylnaphthalene		17	U	17	34
2-Methylphenol		410	U	410	1000
3 & 4 Methylphenol		410	U	100	2000
Naphthalene		17	U	17	34
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		410	U	81	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	510
2-Nitrophenol		140	U	140	250
4-Nitrophenol		410	U	410	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		410	U	410	760
Phenanthrene		17	U	17	34
Phenol		140	U	140	250
Pyrene		17	U	17	34
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	760
2,4,6-Trichlorophenol		410	U	410	760

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	75		45 - 105
2-Fluorophenol (Surr)	75		35 - 105
Nitrobenzene-d5 (Surr)	62		35 - 100
Phenol-d5 (Surr)	79		40 - 100
Terphenyl-d14 (Surr)	63		30 - 125
2,4,6-Tribromophenol (Surr)	67		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0020M-0001-SO**

Lab Sample ID: 240-22663-35 Date Sampled: 04/01/2013 1550
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421022.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.99 g
Analysis Date:	04/21/2013 2004			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	33
Acenaphthylene		17	U	17	33
Anthracene		17	U	17	33
Benzo[a]anthracene		17	U	17	33
Benzo[a]pyrene		17	U	17	33
Benzo[b]fluoranthene		17	U	17	33
Benzo[g,h,i]perylene		17	U	17	33
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		17	U	17	33
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	500
Bis(2-chloroethyl)ether		17	U	10	500
bis (2-chloroisopropyl) ether		140	U	48	500
Bis(2-ethylhexyl) phthalate		110	J D	95	350
4-Bromophenyl phenyl ether		140	U	65	250
Butyl benzyl phthalate		140	U	50	350
Carbazole		140	U	140	250
4-Chloroaniline		140	U	85	750
4-Chloro-3-methylphenol		140	U	110	750
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	65	250
Chrysene		17	U	5.5	33
Dibenz(a,h)anthracene		17	U	17	33
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	55	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		400	U	90	500
2,4-Dichlorophenol		140	U	100	750
Diethyl phthalate		140	U	80	350
2,4-Dimethylphenol		400	U	100	750
Dimethyl phthalate		140	U	85	350
Di-n-butyl phthalate		140	U	75	350
4,6-Dinitro-2-methylphenol		400	U	400	750
2,4-Dinitrophenol		400	U	400	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	350
Fluoranthene		23	J D	17	33
Fluorene		17	U	17	33
Hexachlorobenzene		17	U	11	33
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	45	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0020M-0001-SO**

Lab Sample ID: 240-22663-35 Date Sampled: 04/01/2013 1550
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421022.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.99 g
Analysis Date:	04/21/2013 2004			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		17	U	17	33
Isophorone		140	U	65	250
2-Methylnaphthalene		17	U	17	33
2-Methylphenol		400	U	400	1000
3 & 4 Methylphenol		400	U	100	2000
Naphthalene		17	U	17	33
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		400	U	80	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	500
2-Nitrophenol		140	U	140	250
4-Nitrophenol		400	U	400	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		400	U	400	750
Phenanthrene		17	U	17	33
Phenol		140	U	140	250
Pyrene		17	U	17	33
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	750
2,4,6-Trichlorophenol		400	U	400	750

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	66		45 - 105
2-Fluorophenol (Surr)	67		35 - 105
Nitrobenzene-d5 (Surr)	57		35 - 100
Phenol-d5 (Surr)	69		40 - 100
Terphenyl-d14 (Surr)	59		30 - 125
2,4,6-Tribromophenol (Surr)	63		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0023M-0001-SO**

Lab Sample ID: 240-22663-36 Date Sampled: 04/01/2013 1440
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421016.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.14 g
Analysis Date:	04/21/2013 1727			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		16	U	16	33
Acenaphthylene		19	J D	16	33
Anthracene		16	U	16	33
Benzo[a]anthracene		80	D	16	33
Benzo[a]pyrene		70	D	16	33
Benzo[b]fluoranthene		140	D M	16	33
Benzo[g,h,i]perylene		71	D	16	33
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		49	D M	16	33
Benzyl alcohol		130	U	100	1600
Bis(2-chloroethoxy)methane		130	U	110	500
Bis(2-chloroethyl)ether		16	U	10	500
bis (2-chloroisopropyl) ether		130	U	47	500
Bis(2-ethylhexyl) phthalate		130	U	95	350
4-Bromophenyl phenyl ether		130	U	65	250
Butyl benzyl phthalate		130	U	50	350
Carbazole		130	U	130	250
4-Chloroaniline		130	U	85	750
4-Chloro-3-methylphenol		130	U	100	750
2-Chloronaphthalene		16	U	16	250
2-Chlorophenol		130	U	130	250
4-Chlorophenyl phenyl ether		130	U	65	250
Chrysene		110	D	5.5	33
Dibenz(a,h)anthracene		16	U	16	33
Dibenzofuran		16	U	16	250
1,2-Dichlorobenzene		130	U	48	250
1,3-Dichlorobenzene		130	U	55	250
1,4-Dichlorobenzene		130	U	100	250
3,3'-Dichlorobenzidine		400	U	90	500
2,4-Dichlorophenol		130	U	100	750
Diethyl phthalate		130	U	80	350
2,4-Dimethylphenol		400	U	100	750
Dimethyl phthalate		130	U	85	350
Di-n-butyl phthalate		130	U	75	350
4,6-Dinitro-2-methylphenol		400	U	400	750
2,4-Dinitrophenol		400	U	400	1600
2,4-Dinitrotoluene		130	U	130	1000
2,6-Dinitrotoluene		130	U	100	1000
Di-n-octyl phthalate		130	U	130	350
Fluoranthene		140	D	16	33
Fluorene		16	U	16	33
Hexachlorobenzene		16	U	10	33
Hexachlorobutadiene		130	U	130	250
Hexachlorocyclopentadiene		130	U	130	1600
Hexachloroethane		130	U	45	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0023M-0001-SO**

Lab Sample ID: 240-22663-36 Date Sampled: 04/01/2013 1440
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421016.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.14 g
Analysis Date:	04/21/2013 1727			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		61	D	16	33
Isophorone		130	U	65	250
2-Methylnaphthalene		16	U	16	33
2-Methylphenol		400	U	400	1000
3 & 4 Methylphenol		400	U	100	2000
Naphthalene		16	U	16	33
2-Nitroaniline		130	U	45	1000
3-Nitroaniline		400	U	80	1000
4-Nitroaniline		130	U	130	1000
Nitrobenzene		16	U	11	500
2-Nitrophenol		130	U	130	250
4-Nitrophenol		400	U	400	1600
N-Nitrosodi-n-propylamine		130	U	130	250
N-Nitrosodiphenylamine		130	U	100	250
Pentachlorophenol		400	U	400	750
Phenanthrene		55	D	16	33
Phenol		130	U	130	250
Pyrene		120	D	16	33
1,2,4-Trichlorobenzene		130	U	130	250
2,4,5-Trichlorophenol		130	U	120	750
2,4,6-Trichlorophenol		400	U	400	750

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	60		45 - 105
2-Fluorophenol (Surr)	58		35 - 105
Nitrobenzene-d5 (Surr)	54		35 - 100
Phenol-d5 (Surr)	62		40 - 100
Terphenyl-d14 (Surr)	61		30 - 125
2,4,6-Tribromophenol (Surr)	75		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0024M-0001-SO**

Lab Sample ID: 240-22663-37 Date Sampled: 04/01/2013 1420
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421017.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.92 g
Analysis Date:	04/21/2013 1753			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	33
Acenaphthylene		22	J D	17	33
Anthracene		28	J D	17	33
Benzo[a]anthracene		110	D	17	33
Benzo[a]pyrene		94	D	17	33
Benzo[b]fluoranthene		200	D	17	33
Benzo[g,h,i]perylene		89	D M	17	33
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		56	D M	17	33
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	500
Bis(2-chloroethyl)ether		17	U	10	500
bis (2-chloroisopropyl) ether		140	U	48	500
Bis(2-ethylhexyl) phthalate		120	J D	95	350
4-Bromophenyl phenyl ether		140	U	65	250
Butyl benzyl phthalate		140	U	50	350
Carbazole		140	U	140	250
4-Chloroaniline		140	U	85	750
4-Chloro-3-methylphenol		140	U	110	750
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	65	250
Chrysene		150	D	5.5	33
Dibenz(a,h)anthracene		17	U	17	33
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	55	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		400	U	90	500
2,4-Dichlorophenol		140	U	100	750
Diethyl phthalate		140	U	80	350
2,4-Dimethylphenol		400	U	100	750
Dimethyl phthalate		140	U	85	350
Di-n-butyl phthalate		140	U	75	350
4,6-Dinitro-2-methylphenol		400	U	400	750
2,4-Dinitrophenol		400	U	400	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	350
Fluoranthene		180	D	17	33
Fluorene		17	U	17	33
Hexachlorobenzene		17	U	11	33
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	45	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0024M-0001-SO**

Lab Sample ID: 240-22663-37 Date Sampled: 04/01/2013 1420
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421017.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.92 g
Analysis Date:	04/21/2013 1753			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		72	D	17	33
Isophorone		140	U	65	250
2-Methylnaphthalene		17	U	17	33
2-Methylphenol		400	U	400	1000
3 & 4 Methylphenol		400	U	100	2000
Naphthalene		17	U	17	33
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		400	U	80	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	500
2-Nitrophenol		140	U	140	250
4-Nitrophenol		400	U	400	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		400	U	400	750
Phenanthrene		94	D	17	33
Phenol		140	U	140	250
Pyrene		170	D	17	33
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	750
2,4,6-Trichlorophenol		400	U	400	750

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	60		45 - 105
2-Fluorophenol (Surr)	62		35 - 105
Nitrobenzene-d5 (Surr)	53		35 - 100
Phenol-d5 (Surr)	62		40 - 100
Terphenyl-d14 (Surr)	53		30 - 125
2,4,6-Tribromophenol (Surr)	59		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0025M-0001-SO**

Lab Sample ID: 240-22663-38 Date Sampled: 04/01/2013 1445
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421018.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.83 g
Analysis Date:	04/21/2013 1819			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	34
Acenaphthylene		17	U	17	34
Anthracene		52	D	17	34
Benzo[a]anthracene		120	D	17	34
Benzo[a]pyrene		83	D	17	34
Benzo[b]fluoranthene		140	D	17	34
Benzo[g,h,i]perylene		58	D M	17	34
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		46	D	17	34
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	500
Bis(2-chloroethyl)ether		17	U	10	500
bis (2-chloroisopropyl) ether		140	U	48	500
Bis(2-ethylhexyl) phthalate		140	U	96	350
4-Bromophenyl phenyl ether		140	U	65	250
Butyl benzyl phthalate		140	U	50	350
Carbazole		140	U	140	250
4-Chloroaniline		140	U	85	750
4-Chloro-3-methylphenol		140	U	110	750
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	65	250
Chrysene		130	D	5.5	34
Dibenz(a,h)anthracene		17	U	17	34
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	55	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		400	U	91	500
2,4-Dichlorophenol		140	U	100	750
Diethyl phthalate		140	U	80	350
2,4-Dimethylphenol		400	U	100	750
Dimethyl phthalate		140	U	85	350
Di-n-butyl phthalate		140	U	75	350
4,6-Dinitro-2-methylphenol		400	U	400	750
2,4-Dinitrophenol		400	U	400	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	350
Fluoranthene		270	D	17	34
Fluorene		17	U	17	34
Hexachlorobenzene		17	U	11	34
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	45	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0025M-0001-SO**

Lab Sample ID: 240-22663-38 Date Sampled: 04/01/2013 1445
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421018.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.83 g
Analysis Date:	04/21/2013 1819			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		50	D	17	34
Isophorone		140	U	65	250
2-Methylnaphthalene		17	U	17	34
2-Methylphenol		400	U	400	1000
3 & 4 Methylphenol		400	U	100	2000
Naphthalene		17	U	17	34
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		400	U	80	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	500
2-Nitrophenol		140	U	140	250
4-Nitrophenol		400	U	400	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		400	U	400	750
Phenanthrene		180	D	17	34
Phenol		140	U	140	250
Pyrene		220	D	17	34
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	750
2,4,6-Trichlorophenol		400	U	400	750

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	62		45 - 105
2-Fluorophenol (Surr)	68		35 - 105
Nitrobenzene-d5 (Surr)	54		35 - 100
Phenol-d5 (Surr)	66		40 - 100
Terphenyl-d14 (Surr)	60		30 - 125
2,4,6-Tribromophenol (Surr)	71		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0032-0001-SO**

Lab Sample ID: 240-22663-39 Date Sampled: 04/01/2013 1530
Client Matrix: Solid % Moisture: 12.4 Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421011.D
Dilution:	1.0			Initial Weight/Volume:	29.52 g
Analysis Date:	04/21/2013 1516			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.8	U	3.8	7.7
Acenaphthylene		3.8	U	3.8	7.7
Anthracene		3.8	U	3.8	7.7
Benzo[a]anthracene		3.8	U	3.8	7.7
Benzo[a]pyrene		3.8	U	3.8	7.7
Benzo[b]fluoranthene		3.8	U	3.8	7.7
Benzo[g,h,i]perylene		3.8	U	3.8	7.7
Benzoic acid		390	U	390	770
Benzo[k]fluoranthene		3.8	U	3.8	7.7
Benzyl alcohol		31	U	24	380
Bis(2-chloroethoxy)methane		31	U	26	120
Bis(2-chloroethyl)ether		3.8	U	2.3	120
bis (2-chloroisopropyl) ether		31	U	11	120
Bis(2-ethylhexyl) phthalate		35	J	22	81
4-Bromophenyl phenyl ether		31	U	15	58
Butyl benzyl phthalate		31	U	12	81
Carbazole		31	U	31	58
4-Chloroaniline		31	U	20	170
4-Chloro-3-methylphenol		31	U	24	170
2-Chloronaphthalene		3.8	U	3.8	58
2-Chlorophenol		31	U	31	58
4-Chlorophenyl phenyl ether		31	U	15	58
Chrysene		3.8	U	1.3	7.7
Dibenz(a,h)anthracene		3.8	U	3.8	7.7
Dibenzofuran		3.8	U	3.8	58
1,2-Dichlorobenzene		31	U	11	58
1,3-Dichlorobenzene		31	U	13	58
1,4-Dichlorobenzene		31	U	23	58
3,3'-Dichlorobenzidine		93	U	21	120
2,4-Dichlorophenol		31	U	23	170
Diethyl phthalate		31	U	19	81
2,4-Dimethylphenol		93	U	23	170
Dimethyl phthalate		31	U	20	81
Di-n-butyl phthalate		30	J	17	81
4,6-Dinitro-2-methylphenol		93	U	93	170
2,4-Dinitrophenol		93	U	93	380
2,4-Dinitrotoluene		31	U	31	230
2,6-Dinitrotoluene		31	U	24	230
Di-n-octyl phthalate		31	U	31	81
Fluoranthene		3.8	U	3.8	7.7
Fluorene		3.8	U	3.8	7.7
Hexachlorobenzene		3.8	U	2.4	7.7
Hexachlorobutadiene		31	U	31	58
Hexachlorocyclopentadiene		31	U	31	380
Hexachloroethane		31	U	10	58
Indeno[1,2,3-cd]pyrene		3.8	U	3.8	7.7

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0032-0001-SO**

Lab Sample ID: 240-22663-39 Date Sampled: 04/01/2013 1530
Client Matrix: Solid % Moisture: 12.4 Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421011.D
Dilution:	1.0			Initial Weight/Volume:	29.52 g
Analysis Date:	04/21/2013 1516			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		31	U	15	58
2-Methylnaphthalene		3.8	U	3.8	7.7
2-Methylphenol		93	U	93	230
3 & 4 Methylphenol		93	U	23	460
Naphthalene		3.8	U	3.8	7.7
2-Nitroaniline		31	U	11	230
3-Nitroaniline		93	U	19	230
4-Nitroaniline		31	U	30	230
Nitrobenzene		3.8	U	2.6	120
2-Nitrophenol		31	U	31	58
4-Nitrophenol		93	U	93	380
N-Nitrosodi-n-propylamine		31	U	31	58
N-Nitrosodiphenylamine		31	U	24	58
Pentachlorophenol		93	U	93	170
Phenanthrene		3.8	U	3.8	7.7
Phenol		31	U	31	58
Pyrene		3.8	U	3.8	7.7
1,2,4-Trichlorobenzene		31	U	31	58
2,4,5-Trichlorophenol		31	U	29	170
2,4,6-Trichlorophenol		93	U	93	170

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	50		45 - 105
2-Fluorophenol (Surr)	51		35 - 105
Nitrobenzene-d5 (Surr)	46		35 - 100
Phenol-d5 (Surr)	52		40 - 100
Terphenyl-d14 (Surr)	58		30 - 125
2,4,6-Tribromophenol (Surr)	61		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0027M-0001-SO**

Lab Sample ID: 240-22663-40 Date Sampled: 04/01/2013 1400
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421010.D
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.02 g
Analysis Date:	04/21/2013 1450			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.7
Acenaphthylene		3.3	U	3.3	6.7
Anthracene		3.3	U	3.3	6.7
Benzo[a]anthracene		3.3	U	3.3	6.7
Benzo[a]pyrene		3.3	U	3.3	6.7
Benzo[b]fluoranthene		3.3	U	3.3	6.7
Benzo[g,h,i]perylene		3.3	U	3.3	6.7
Benzoic acid		330	U	330	660
Benzo[k]fluoranthene		3.3	U	3.3	6.7
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	100
Bis(2-chloroethyl)ether		3.3	U	2.0	100
bis (2-chloroisopropyl) ether		27	U	9.5	100
Bis(2-ethylhexyl) phthalate		97		19	70
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		27	U	10	70
Carbazole		27	U	27	50
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	50
2-Chlorophenol		27	U	27	50
4-Chlorophenyl phenyl ether		27	U	13	50
Chrysene		3.3	U	1.1	6.7
Dibenz(a,h)anthracene		3.3	U	3.3	6.7
Dibenzofuran		3.3	U	3.3	50
1,2-Dichlorobenzene		27	U	9.7	50
1,3-Dichlorobenzene		27	U	11	50
1,4-Dichlorobenzene		27	U	20	50
3,3'-Dichlorobenzidine		80	U	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	70
2,4-Dimethylphenol		80	U	20	150
Dimethyl phthalate		27	U	17	70
Di-n-butyl phthalate		27	J M	15	70
4,6-Dinitro-2-methylphenol		80	U	80	150
2,4-Dinitrophenol		80	U	80	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	70
Fluoranthene		3.3	U	3.3	6.7
Fluorene		3.3	U	3.3	6.7
Hexachlorobenzene		3.3	U	2.1	6.7
Hexachlorobutadiene		27	U	27	50
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	9.0	50

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0027M-0001-SO**

Lab Sample ID: 240-22663-40 Date Sampled: 04/01/2013 1400
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421010.D
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.02 g
Analysis Date:	04/21/2013 1450			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.7
Isophorone		27	U	13	50
2-Methylnaphthalene		5.5	J	3.3	6.7
2-Methylphenol		80	U	80	200
3 & 4 Methylphenol		80	U	20	400
Naphthalene		7.3		3.3	6.7
2-Nitroaniline		27	U	9.1	200
3-Nitroaniline		80	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	100
2-Nitrophenol		27	U	27	50
4-Nitrophenol		80	U	80	330
N-Nitrosodi-n-propylamine		27	U	27	50
N-Nitrosodiphenylamine		27	U	21	50
Pentachlorophenol		80	U	80	150
Phenanthrene		3.3	U	3.3	6.7
Phenol		27	U	27	50
Pyrene		3.3	U	3.3	6.7
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		80	U	80	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	50		45 - 105
2-Fluorophenol (Surr)	51		35 - 105
Nitrobenzene-d5 (Surr)	45		35 - 100
Phenol-d5 (Surr)	52		40 - 100
Terphenyl-d14 (Surr)	54		30 - 125
2,4,6-Tribromophenol (Surr)	62		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0028M-0001-SO**

Lab Sample ID: 240-22663-41 Date Sampled: 04/01/2013 1402
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421012.D
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.09 g
Analysis Date:	04/21/2013 1542			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.7
Acenaphthylene		3.3	U	3.3	6.7
Anthracene		3.3	U	3.3	6.7
Benzo[a]anthracene		5.5	J	3.3	6.7
Benzo[a]pyrene		4.3	J	3.3	6.7
Benzo[b]fluoranthene		14		3.3	6.7
Benzo[g,h,i]perylene		3.3	U	3.3	6.7
Benzoic acid		330	U	330	660
Benzo[k]fluoranthene		6.8	M	3.3	6.7
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	100
Bis(2-chloroethyl)ether		3.3	U	2.0	100
bis (2-chloroisopropyl) ether		27	U	9.5	100
Bis(2-ethylhexyl) phthalate		110		19	70
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		27	U	10	70
Carbazole		27	U	27	50
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	50
2-Chlorophenol		27	U	27	50
4-Chlorophenyl phenyl ether		27	U	13	50
Chrysene		11		1.1	6.7
Dibenz(a,h)anthracene		3.3	U	3.3	6.7
Dibenzofuran		3.3	U	3.3	50
1,2-Dichlorobenzene		27	U	9.7	50
1,3-Dichlorobenzene		27	U	11	50
1,4-Dichlorobenzene		27	U	20	50
3,3'-Dichlorobenzidine		80	U	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	70
2,4-Dimethylphenol		80	U	20	150
Dimethyl phthalate		27	U	17	70
Di-n-butyl phthalate		27	U	15	70
4,6-Dinitro-2-methylphenol		80	U	80	150
2,4-Dinitrophenol		80	U	80	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	70
Fluoranthene		17		3.3	6.7
Fluorene		3.3	U	3.3	6.7
Hexachlorobenzene		3.3	U	2.1	6.7
Hexachlorobutadiene		27	U	27	50
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	9.0	50

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0028M-0001-SO**

Lab Sample ID: 240-22663-41 Date Sampled: 04/01/2013 1402
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421012.D
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.09 g
Analysis Date:	04/21/2013 1542			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.7
Isophorone		27	U	13	50
2-Methylnaphthalene		7.3		3.3	6.7
2-Methylphenol		80	U	80	200
3 & 4 Methylphenol		80	U	20	400
Naphthalene		8.0		3.3	6.7
2-Nitroaniline		27	U	9.1	200
3-Nitroaniline		80	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	100
2-Nitrophenol		27	U	27	50
4-Nitrophenol		80	U	80	330
N-Nitrosodi-n-propylamine		27	U	27	50
N-Nitrosodiphenylamine		27	U	21	50
Pentachlorophenol		80	U	80	150
Phenanthrene		9.6		3.3	6.7
Phenol		27	U	27	50
Pyrene		15		3.3	6.7
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		80	U	80	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	75		45 - 105
2-Fluorophenol (Surr)	71		35 - 105
Nitrobenzene-d5 (Surr)	63		35 - 100
Phenol-d5 (Surr)	73		40 - 100
Terphenyl-d14 (Surr)	63		30 - 125
2,4,6-Tribromophenol (Surr)	86		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0030M-0001-SO**

Lab Sample ID: 240-22663-43 Date Sampled: 04/01/2013 1405
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421013.D
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.76 g
Analysis Date:	04/21/2013 1609			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.7
Acenaphthylene		3.3	U	3.3	6.7
Anthracene		3.3	U	3.3	6.7
Benzo[a]anthracene		8.4		3.3	6.7
Benzo[a]pyrene		7.9		3.3	6.7
Benzo[b]fluoranthene		20		3.3	6.7
Benzo[g,h,i]perylene		12	M	3.3	6.7
Benzoic acid		340	U	340	670
Benzo[k]fluoranthene		9.9	M	3.3	6.7
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	100
Bis(2-chloroethyl)ether		3.3	U	2.0	100
bis (2-chloroisopropyl) ether		27	U	9.6	100
Bis(2-ethylhexyl) phthalate		53	J	19	71
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		27	U	10	71
Carbazole		27	U	27	50
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	50
2-Chlorophenol		27	U	27	50
4-Chlorophenyl phenyl ether		27	U	13	50
Chrysene		17		1.1	6.7
Dibenz(a,h)anthracene		3.3	U	3.3	6.7
Dibenzofuran		3.3	U	3.3	50
1,2-Dichlorobenzene		27	U	9.8	50
1,3-Dichlorobenzene		27	U	11	50
1,4-Dichlorobenzene		27	U	20	50
3,3'-Dichlorobenzidine		81	U	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	71
2,4-Dimethylphenol		81	U	20	150
Dimethyl phthalate		27	U	17	71
Di-n-butyl phthalate		29	J	15	71
4,6-Dinitro-2-methylphenol		81	U	81	150
2,4-Dinitrophenol		81	U	81	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	71
Fluoranthene		14		3.3	6.7
Fluorene		3.3	U	3.3	6.7
Hexachlorobenzene		3.3	U	2.1	6.7
Hexachlorobutadiene		27	U	27	50
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	9.1	50

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0030M-0001-SO**

Lab Sample ID: 240-22663-43 Date Sampled: 04/01/2013 1405
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421013.D
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.76 g
Analysis Date:	04/21/2013 1609			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		8.4	M	3.3	6.7
Isophorone		27	U	13	50
2-Methylnaphthalene		4.1	J	3.3	6.7
2-Methylphenol		81	U	81	200
3 & 4 Methylphenol		81	U	20	400
Naphthalene		6.1	J	3.3	6.7
2-Nitroaniline		27	U	9.2	200
3-Nitroaniline		81	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	100
2-Nitrophenol		27	U	27	50
4-Nitrophenol		81	U	81	330
N-Nitrosodi-n-propylamine		27	U	27	50
N-Nitrosodiphenylamine		27	U	21	50
Pentachlorophenol		81	U	81	150
Phenanthrene		5.6	J	3.3	6.7
Phenol		27	U	27	50
Pyrene		11		3.3	6.7
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		81	U	81	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	57		45 - 105
2-Fluorophenol (Surr)	59		35 - 105
Nitrobenzene-d5 (Surr)	53		35 - 100
Phenol-d5 (Surr)	62		40 - 100
Terphenyl-d14 (Surr)	59		30 - 125
2,4,6-Tribromophenol (Surr)	68		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0031M-0001-SO**

Lab Sample ID: 240-22663-44 Date Sampled: 04/01/2013 1344
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421019.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.40 g
Analysis Date:	04/21/2013 1845			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		16	U	16	33
Acenaphthylene		16	U	16	33
Anthracene		16	U	16	33
Benzo[a]anthracene		16	U	16	33
Benzo[a]pyrene		16	U	16	33
Benzo[b]fluoranthene		21	J D	16	33
Benzo[g,h,i]perylene		16	U	16	33
Benzoic acid		1600	U	1600	3300
Benzo[k]fluoranthene		16	U	16	33
Benzyl alcohol		130	U	100	1600
Bis(2-chloroethoxy)methane		130	U	110	490
Bis(2-chloroethyl)ether		16	U	9.9	490
bis (2-chloroisopropyl) ether		130	U	47	490
Bis(2-ethylhexyl) phthalate		130	U	94	350
4-Bromophenyl phenyl ether		130	U	64	250
Butyl benzyl phthalate		130	U	49	350
Carbazole		130	U	130	250
4-Chloroaniline		130	U	84	740
4-Chloro-3-methylphenol		130	U	100	740
2-Chloronaphthalene		16	U	16	250
2-Chlorophenol		130	U	130	250
4-Chlorophenyl phenyl ether		130	U	64	250
Chrysene		16	U	5.4	33
Dibenz(a,h)anthracene		16	U	16	33
Dibenzofuran		16	U	16	250
1,2-Dichlorobenzene		130	U	48	250
1,3-Dichlorobenzene		130	U	54	250
1,4-Dichlorobenzene		130	U	99	250
3,3'-Dichlorobenzidine		390	U	89	490
2,4-Dichlorophenol		130	U	99	740
Diethyl phthalate		130	U	79	350
2,4-Dimethylphenol		390	U J	99	740
Dimethyl phthalate		130	U	84	350
Di-n-butyl phthalate		110	J D	74	350
4,6-Dinitro-2-methylphenol		390	U J	390	740
2,4-Dinitrophenol		390	U J	390	1600
2,4-Dinitrotoluene		130	U	130	990
2,6-Dinitrotoluene		130	U	100	990
Di-n-octyl phthalate		130	U	130	350
Fluoranthene		28	J D	16	33
Fluorene		16	U	16	33
Hexachlorobenzene		16	U	10	33
Hexachlorobutadiene		130	U	130	250
Hexachlorocyclopentadiene		130	U	130	1600
Hexachloroethane		130	U	44	250

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0031M-0001-SO**

Lab Sample ID: 240-22663-44 Date Sampled: 04/01/2013 1344
Client Matrix: Solid Date Received: 04/02/2013 0800

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-81754	Lab File ID:	30421019.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.40 g
Analysis Date:	04/21/2013 1845			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		16	U	16	33
Isophorone		130	U	64	250
2-Methylnaphthalene		16	U	16	33
2-Methylphenol		390	U J	390	990
3 & 4 Methylphenol		390	U	99	2000
Naphthalene		16	U	16	33
2-Nitroaniline		130	U	45	990
3-Nitroaniline		390	U	79	990
4-Nitroaniline		130	U	130	990
Nitrobenzene		16	U	11	490
2-Nitrophenol		130	U	130	250
4-Nitrophenol		390	U J	390	1600
N-Nitrosodi-n-propylamine		130	U	130	250
N-Nitrosodiphenylamine		130	U	100	250
Pentachlorophenol		390	U	390	740
Phenanthrene		16	U	16	33
Phenol		130	U	130	250
Pyrene		17	J D	16	33
1,2,4-Trichlorobenzene		130	U	130	250
2,4,5-Trichlorophenol		130	U	120	740
2,4,6-Trichlorophenol		390	U	390	740

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	61		45 - 105
2-Fluorophenol (Surr)	60		35 - 105
Nitrobenzene-d5 (Surr)	50		35 - 100
Phenol-d5 (Surr)	63		40 - 100
Terphenyl-d14 (Surr)	55		30 - 125
2,4,6-Tribromophenol (Surr)	69		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-82857	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-81726	Initial Weight/Volume:	30.09 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/20/2013 1804			Injection Volume:	1 uL
Prep Date:	04/12/2013 1107			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.67	U	0.62	2.0
4,4'-DDE		0.67	U	0.39	1.7
4,4'-DDT		0.67	U	0.63	2.0
Aldrin		1.3	U	1.2	4.0
alpha-BHC		1.3	U	0.73	2.5
alpha-Chlordane		1.3	U	0.94	3.0
beta-BHC		1.3	U	1.1	3.5
delta-BHC		1.3	U	1.2	4.0
Dieldrin		0.67	U	0.47	1.7
Endosulfan I		0.67	U	0.52	1.7
Endosulfan II		1.3	U	0.82	2.5
Endosulfan sulfate		1.3	U	0.87	3.0
Endrin		0.67	U	0.50	1.7
Endrin aldehyde		1.3	U	1.0	3.0
Endrin ketone		0.67	U	0.63	2.0
gamma-BHC (Lindane)		1.3	U	0.74	2.5
gamma-Chlordane		0.67	U	0.42	1.7
Heptachlor		1.3	U	1.1	3.5
Heptachlor epoxide		1.3	U	0.80	2.5
Methoxychlor		3.3	U	1.5	5.0
Toxaphene		20	U	19	67

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		55 - 130
DCB Decachlorobiphenyl	76		55 - 130
Tetrachloro-m-xylene	99		70 - 125
Tetrachloro-m-xylene	72		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	30.43 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/24/2013 1913	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.66	U H	0.61	2.0
4,4'-DDE		0.66	U H	0.38	1.7
4,4'-DDT		0.66	U H	0.62	2.0
Aldrin		1.3	U H	1.2	3.9
alpha-BHC		1.3	U H	0.72	2.5
alpha-Chlordane		1.3	U H	0.93	3.0
beta-BHC		1.3	U H	1.1	3.5
delta-BHC		1.3	U H	1.2	3.9
Dieldrin		0.66	U H	0.46	1.7
Endosulfan I		0.66	U H	0.51	1.7
Endosulfan II		1.3	U H	0.81	2.5
Endosulfan sulfate		1.3	U H	0.86	3.0
Endrin		0.66	U H	0.49	1.7
Endrin aldehyde		1.3	U H	0.99	3.0
Endrin ketone		0.66	U H	0.62	2.0
gamma-BHC (Lindane)		1.3	U H	0.73	2.5
gamma-Chlordane		0.66	U H	0.41	1.7
Heptachlor		1.3	U H	1.1	3.5
Heptachlor epoxide		1.3	U H	0.79	2.5
Methoxychlor		3.3	U H	1.5	4.9
Toxaphene		20	U H	19	66

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		55 - 130
Tetrachloro-m-xylene	109		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	30.43 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/24/2013 1913	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		55 - 130
Tetrachloro-m-xylene	118		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0017M-0001-SO**

Lab Sample ID: 240-22663-7 Date Sampled: 04/01/2013 0924
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-82857	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-81726	Initial Weight/Volume:	29.71 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/20/2013 1824			Injection Volume:	1 uL
Prep Date:	04/12/2013 1107			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.68	U	0.63	2.0
4,4'-DDE		0.68	U	0.39	1.7
4,4'-DDT		0.68	U	0.64	2.0
Aldrin		1.3	U	1.2	4.0
alpha-BHC		1.3	U	0.74	2.5
alpha-Chlordane		1.3	U	0.95	3.0
beta-BHC		1.3	U	1.1	3.5
delta-BHC		1.3	U	1.2	4.0
Dieldrin		0.68	U	0.47	1.7
Endosulfan I		0.68	U	0.53	1.7
Endosulfan II		1.3	U	0.83	2.5
Endosulfan sulfate		1.3	U	0.88	3.0
Endrin		0.68	U	0.50	1.7
Endrin aldehyde		1.3	U	1.0	3.0
Endrin ketone		0.68	U	0.64	2.0
gamma-BHC (Lindane)		1.3	U	0.75	2.5
gamma-Chlordane		0.68	U	0.42	1.7
Heptachlor		1.3	U	1.1	3.5
Heptachlor epoxide		1.3	U	0.81	2.5
Methoxychlor		3.3	U	1.5	5.0
Toxaphene		20	U	19	68

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	71		55 - 130
DCB Decachlorobiphenyl	71		55 - 130
Tetrachloro-m-xylene	87		70 - 125
Tetrachloro-m-xylene	68	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0017M-0001-SO**

Lab Sample ID: 240-22663-7 Date Sampled: 04/01/2013 0924
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	29.95 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/24/2013 1933	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.67	U H	0.62	2.0
4,4'-DDE		0.67	U H	0.39	1.7
4,4'-DDT		0.67	U H	0.63	2.0
Aldrin		1.3	U H	1.2	4.0
alpha-BHC		1.3	U H	0.73	2.5
alpha-Chlordane		1.3	U H	0.94	3.0
beta-BHC		1.3	U H	1.1	3.5
delta-BHC		1.3	U H	1.2	4.0
Dieldrin		0.67	U H	0.47	1.7
Endosulfan I		0.67	U H	0.52	1.7
Endosulfan II		1.3	U H	0.82	2.5
Endosulfan sulfate		1.3	U H	0.87	3.0
Endrin		0.67	U H	0.50	1.7
Endrin aldehyde		1.3	U H	1.0	3.0
Endrin ketone		0.67	U H	0.63	2.0
gamma-BHC (Lindane)		1.3	U H	0.74	2.5
gamma-Chlordane		0.67	U H	0.42	1.7
Heptachlor		1.3	U H	1.1	3.5
Heptachlor epoxide		1.3	U H	0.80	2.5
Methoxychlor		3.3	U H	1.5	5.0
Toxaphene		20	U H	19	67

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		55 - 130
Tetrachloro-m-xylene	91		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0017M-0001-SO**

Lab Sample ID: 240-22663-7 Date Sampled: 04/01/2013 0924
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	29.95 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/24/2013 1933	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		55 - 130
Tetrachloro-m-xylene	101		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **070SB-0046M-0001-SB**

Lab Sample ID: 240-22663-10 Date Sampled: 04/01/2013 1500
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-82857	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-81726	Initial Weight/Volume:	30.14 g
Dilution:	10	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/20/2013 1844			Injection Volume:	1 uL
Prep Date:	04/12/2013 1107			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		6.7	U	6.2	20
4,4'-DDE		6.7	U	3.9	17
4,4'-DDT		6.7	U	6.3	20
Aldrin		13	U	12	40
alpha-BHC		13	U	7.3	25
alpha-Chlordane		13	U	9.4	30
beta-BHC		13	U	11	35
delta-BHC		13	U	12	40
Dieldrin		6.7	U	4.7	17
Endosulfan I		6.7	U	5.2	17
Endosulfan II		13	U	8.2	25
Endosulfan sulfate		13	U	8.7	30
Endrin		6.7	U	5.0	17
Endrin aldehyde		13	U	10	30
Endrin ketone		6.7	U	6.3	20
gamma-BHC (Lindane)		13	U	7.4	25
gamma-Chlordane		6.7	U	4.2	17
Heptachlor		13	U	11	35
Heptachlor epoxide		13	U	8.0	25
Methoxychlor		33	U	15	50
Toxaphene		200	U	190	670

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		55 - 130
DCB Decachlorobiphenyl	101		55 - 130
Tetrachloro-m-xylene	87		70 - 125
Tetrachloro-m-xylene	89		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **070SB-0046M-0001-SB**

Lab Sample ID: 240-22663-10 Date Sampled: 04/01/2013 1500
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	30.32 g
Dilution:	10	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/24/2013 1953	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		6.6	U H	6.1	20
4,4'-DDE		6.6	U H	3.9	17
4,4'-DDT		6.6	U H	6.2	20
Aldrin		13	U H	12	40
alpha-BHC		13	U H	7.2	25
alpha-Chlordane		13	U H	9.3	30
beta-BHC		13	U H	11	35
delta-BHC		13	U H	12	40
Dieldrin		6.6	U H	4.7	17
Endosulfan I		6.6	U H	5.1	17
Endosulfan II		13	U H	8.1	25
Endosulfan sulfate		13	U H	8.6	30
Endrin		6.6	U H	4.9	17
Endrin aldehyde		13	U H	9.9	30
Endrin ketone		6.6	U H	6.2	20
gamma-BHC (Lindane)		13	U H	7.3	25
gamma-Chlordane		6.6	U H	4.2	17
Heptachlor		13	U H	11	35
Heptachlor epoxide		13	U H	7.9	25
Methoxychlor		33	U H	15	49
Toxaphene		200	U H	190	660

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	134	Q	55 - 130
Tetrachloro-m-xylene	112		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **070SB-0046M-0001-SB**

Lab Sample ID: 240-22663-10 Date Sampled: 04/01/2013 1500
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	30.32 g
Dilution:	10	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/24/2013 1953	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	145	Q	55 - 130
Tetrachloro-m-xylene	108		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0041M-0001-SO**

Lab Sample ID: 240-22663-17 Date Sampled: 04/01/2013 1303
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-82857	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-81726	Initial Weight/Volume:	30.46 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/20/2013 1904			Injection Volume:	1 uL
Prep Date:	04/12/2013 1107			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.66	U	0.61	2.0
4,4'-DDE		0.38	J	0.38	1.7
4,4'-DDT		0.66	U	0.62	2.0
Aldrin		1.3	U	1.2	3.9
alpha-BHC		1.3	U	0.72	2.5
alpha-Chlordane		1.3	U	0.93	3.0
beta-BHC		1.3	U	1.1	3.4
delta-BHC		1.3	U	1.2	3.9
Dieldrin		0.66	U	0.46	1.7
Endosulfan I		0.66	U	0.51	1.7
Endosulfan II		1.3	U	0.81	2.5
Endosulfan sulfate		1.3	U	0.86	3.0
Endrin		0.66	U	0.49	1.7
Endrin aldehyde		1.3	U	0.98	3.0
Endrin ketone		0.66	U	0.62	2.0
gamma-BHC (Lindane)		1.3	U	0.73	2.5
gamma-Chlordane		0.66	U	0.41	1.7
Heptachlor		1.3	U	1.1	3.4
Heptachlor epoxide		1.3	U	0.79	2.5
Methoxychlor		3.3	U	1.5	4.9
Toxaphene		20	U	19	66

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	73		55 - 130
DCB Decachlorobiphenyl	72		55 - 130
Tetrachloro-m-xylene	80		70 - 125
Tetrachloro-m-xylene	63	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0041M-0001-SO**

Lab Sample ID: 240-22663-17 Date Sampled: 04/01/2013 1303
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	30.02 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/24/2013 2013	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.67	U H	0.62	2.0
4,4'-DDE		0.66	J H	0.39	1.7
4,4'-DDT		0.67	U H	0.63	2.0
Aldrin		1.3	U H	1.2	4.0
alpha-BHC		1.2	J H	0.73	2.5
alpha-Chlordane		1.3	U H	0.94	3.0
beta-BHC		1.3	U H	1.1	3.5
delta-BHC		1.3	U H	1.2	4.0
Dieldrin		0.67	U H	0.47	1.7
Endosulfan I		0.67	U H	0.52	1.7
Endosulfan II		1.3	U H	0.82	2.5
Endosulfan sulfate		1.3	U H	0.87	3.0
Endrin		0.67	U H	0.50	1.7
Endrin aldehyde		1.3	U H	1.0	3.0
Endrin ketone		0.67	U H	0.63	2.0
gamma-BHC (Lindane)		1.3	U H	0.74	2.5
gamma-Chlordane		0.67	U H	0.42	1.7
Heptachlor		1.3	U H	1.1	3.5
Heptachlor epoxide		1.3	U H	0.80	2.5
Methoxychlor		3.3	U H	1.5	5.0
Toxaphene		20	U H	19	67

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		55 - 130
Tetrachloro-m-xylene	107		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0041M-0001-SO**

Lab Sample ID: 240-22663-17 Date Sampled: 04/01/2013 1303
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	30.02 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/24/2013 2013	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		55 - 130
Tetrachloro-m-xylene	91		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-82857	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-81726	Initial Weight/Volume:	30.04 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/20/2013 1924			Injection Volume:	1 uL
Prep Date:	04/12/2013 1107			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.67	U	0.62	2.0
4,4'-DDE		0.67	U	0.39	1.7
4,4'-DDT		0.67	U	0.63	2.0
Aldrin		1.3	U	1.2	4.0
alpha-BHC		1.3	U	0.73	2.5
alpha-Chlordane		1.3	U	0.94	3.0
beta-BHC		1.3	U	1.1	3.5
delta-BHC		1.3	U	1.2	4.0
Dieldrin		0.67	U	0.47	1.7
Endosulfan I		0.67	U	0.52	1.7
Endosulfan II		1.3	U	0.82	2.5
Endosulfan sulfate		1.3	U	0.87	3.0
Endrin		0.67	U	0.50	1.7
Endrin aldehyde		1.3	U	1.0	3.0
Endrin ketone		0.67	U	0.63	2.0
gamma-BHC (Lindane)		1.3	U	0.74	2.5
gamma-Chlordane		0.67	U	0.42	1.7
Heptachlor		1.3	U	1.1	3.5
Heptachlor epoxide		1.3	U	0.80	2.5
Methoxychlor		3.3	U	1.5	5.0
Toxaphene		20	U	19	67

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	57		55 - 130
DCB Decachlorobiphenyl	57		55 - 130
Tetrachloro-m-xylene	53	Q	70 - 125
Tetrachloro-m-xylene	59	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	30.38 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/24/2013 2034	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.66	U H	0.61	2.0
4,4'-DDE		0.66	U H	0.39	1.7
4,4'-DDT		0.66	U H	0.62	2.0
Aldrin		1.3	U H	1.2	3.9
alpha-BHC		1.3	U H	0.72	2.5
alpha-Chlordane		1.3	U H	0.93	3.0
beta-BHC		1.3	U H	1.1	3.5
delta-BHC		1.3	U H	1.2	3.9
Dieldrin		0.66	U H	0.46	1.7
Endosulfan I		0.66	U H	0.51	1.7
Endosulfan II		1.3	U H	0.81	2.5
Endosulfan sulfate		1.3	U H	0.86	3.0
Endrin		0.66	U H	0.49	1.7
Endrin aldehyde		1.3	U H	0.99	3.0
Endrin ketone		0.66	U H	0.62	2.0
gamma-BHC (Lindane)		1.3	U H	0.73	2.5
gamma-Chlordane		0.66	U H	0.41	1.7
Heptachlor		1.3	U H	1.1	3.5
Heptachlor epoxide		1.3	U H	0.79	2.5
Methoxychlor		3.3	U H	1.5	4.9
Toxaphene		20	U H	19	66

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		55 - 130
Tetrachloro-m-xylene	90		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	30.38 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/24/2013 2034	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		55 - 130
Tetrachloro-m-xylene	80		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-82857	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-81726	Initial Weight/Volume:	30.15 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/20/2013 1944			Injection Volume:	1 uL
Prep Date:	04/12/2013 1107			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.67	U	0.62	2.0
4,4'-DDE		0.67	U	0.39	1.7
4,4'-DDT		0.67	U	0.63	2.0
Aldrin		1.3	U	1.2	4.0
alpha-BHC		1.3	U	0.73	2.5
alpha-Chlordane		1.3	U	0.94	3.0
beta-BHC		1.3	U	1.1	3.5
delta-BHC		1.3	U	1.2	4.0
Dieldrin		0.67	U	0.47	1.7
Endosulfan I		0.67	U	0.52	1.7
Endosulfan II		1.3	U	0.82	2.5
Endosulfan sulfate		1.3	U	0.87	3.0
Endrin		0.67	U	0.50	1.7
Endrin aldehyde		1.3	U	1.0	3.0
Endrin ketone		0.67	U	0.63	2.0
gamma-BHC (Lindane)		1.3	U	0.74	2.5
gamma-Chlordane		0.67	U	0.42	1.7
Heptachlor		1.3	U	1.1	3.5
Heptachlor epoxide		1.3	U	0.80	2.5
Methoxychlor		3.3	U	1.5	5.0
Toxaphene		20	U	19	67

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	64		55 - 130
DCB Decachlorobiphenyl	60		55 - 130
Tetrachloro-m-xylene	56	Q	70 - 125
Tetrachloro-m-xylene	58	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	30.33 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/24/2013 2054	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.66	U H	0.61	2.0
4,4'-DDE		0.66	U H	0.39	1.7
4,4'-DDT		0.66	U H	0.62	2.0
Aldrin		1.3	U H	1.2	4.0
alpha-BHC		1.3	U H	0.72	2.5
alpha-Chlordane		1.3	U H	0.93	3.0
beta-BHC		1.3	U H	1.1	3.5
delta-BHC		1.3	U H	1.2	4.0
Dieldrin		0.66	U H	0.46	1.7
Endosulfan I		0.66	U H	0.51	1.7
Endosulfan II		1.3	U H	0.81	2.5
Endosulfan sulfate		1.3	U H	0.86	3.0
Endrin		0.66	U H	0.49	1.7
Endrin aldehyde		1.3	U H	0.99	3.0
Endrin ketone		0.66	U H	0.62	2.0
gamma-BHC (Lindane)		1.3	U H	0.73	2.5
gamma-Chlordane		0.66	U H	0.42	1.7
Heptachlor		1.3	U H	1.1	3.5
Heptachlor epoxide		1.3	U H	0.79	2.5
Methoxychlor		3.3	U H	1.5	4.9
Toxaphene		20	U H	19	66

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		55 - 130
Tetrachloro-m-xylene	91		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043
Client Matrix: Solid Date Received: 04/02/2013 0800

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-83135	Initial Weight/Volume:	30.33 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/24/2013 2054	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	04/23/2013 0854			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		55 - 130
Tetrachloro-m-xylene	85		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81730	Initial Weight/Volume:	30.09 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/18/2013 1008			Injection Volume:	1 uL
Prep Date:	04/12/2013 1118			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	52		40 - 140
DCB Decachlorobiphenyl	69		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81730	Initial Weight/Volume:	30.09 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/18/2013 1008			Injection Volume:	1 uL
Prep Date:	04/12/2013 1118			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	53		40 - 140
DCB Decachlorobiphenyl	68		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0017M-0001-SO**

Lab Sample ID: 240-22663-7 Date Sampled: 04/01/2013 0924
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81730	Initial Weight/Volume:	29.71 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/18/2013 1024			Injection Volume:	1 uL
Prep Date:	04/12/2013 1118			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	66
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	56
Aroclor-1254		25	U	17	56
Aroclor-1260		25	U	17	56

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58		40 - 140
DCB Decachlorobiphenyl	66		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0017M-0001-SO**

Lab Sample ID: 240-22663-7 Date Sampled: 04/01/2013 0924
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81730	Initial Weight/Volume:	29.71 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/18/2013 1024			Injection Volume:	1 uL
Prep Date:	04/12/2013 1118			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	61		40 - 140
DCB Decachlorobiphenyl	68		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0041M-0001-SO**

Lab Sample ID: 240-22663-17 Date Sampled: 04/01/2013 1303
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81730	Initial Weight/Volume:	30.46 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/18/2013 1039			Injection Volume:	1 uL
Prep Date:	04/12/2013 1118			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		24	U	16	49
Aroclor-1016		24	U	21	64
Aroclor-1232		24	U	14	44
Aroclor-1242		24	U	13	39
Aroclor-1248		24	U	17	54
Aroclor-1254		24	U	17	54
Aroclor-1260		24	U	17	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	55		40 - 140
DCB Decachlorobiphenyl	65		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0041M-0001-SO**

Lab Sample ID: 240-22663-17 Date Sampled: 04/01/2013 1303
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81730	Initial Weight/Volume:	30.46 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/18/2013 1039			Injection Volume:	1 uL
Prep Date:	04/12/2013 1118			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	56		40 - 140
DCB Decachlorobiphenyl	67		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81730	Initial Weight/Volume:	30.04 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/18/2013 1055			Injection Volume:	1 uL
Prep Date:	04/12/2013 1118			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	50		40 - 140
Tetrachloro-m-xylene	50		40 - 140
DCB Decachlorobiphenyl	56	Q	60 - 125
DCB Decachlorobiphenyl	55	Q	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-83996	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-83675	Initial Weight/Volume:	30.10 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/29/2013 0849			Injection Volume:	1 uL
Prep Date:	04/26/2013 0824			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U H	16	50
Aroclor-1016		25	U H	21	65
Aroclor-1232		25	U H	14	45
Aroclor-1242		25	U H	13	40
Aroclor-1248		25	U H	17	55
Aroclor-1254		25	U H	17	55
Aroclor-1260		25	U H	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		40 - 140
DCB Decachlorobiphenyl	64		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-83996	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-83675	Initial Weight/Volume:	30.10 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/29/2013 0849			Injection Volume:	1 uL
Prep Date:	04/26/2013 0824			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	64		40 - 140
DCB Decachlorobiphenyl	71		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81730	Initial Weight/Volume:	30.15 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/18/2013 1111			Injection Volume:	1 uL
Prep Date:	04/12/2013 1118			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	49		40 - 140
Tetrachloro-m-xylene	48		40 - 140
DCB Decachlorobiphenyl	57	Q	60 - 125
DCB Decachlorobiphenyl	53	Q	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-83996	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-83675	Initial Weight/Volume:	30.18 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/29/2013 0904			Injection Volume:	1 uL
Prep Date:	04/26/2013 0824			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U H	16	50
Aroclor-1016		25	U H	21	65
Aroclor-1232		25	U H	14	45
Aroclor-1242		25	U H	13	40
Aroclor-1248		25	U H	17	55
Aroclor-1254		25	U H	17	55
Aroclor-1260		25	U H	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	138		40 - 140
DCB Decachlorobiphenyl	73		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-83996	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-83675	Initial Weight/Volume:	30.18 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/29/2013 0904			Injection Volume:	1 uL
Prep Date:	04/26/2013 0824			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		40 - 140
DCB Decachlorobiphenyl	85		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0017M-0001-SO**

Lab Sample ID: 240-22663-31 Date Sampled: 04/01/2013 1542
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.42 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1112			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		24	U	16	49
Aroclor-1016		24	U	21	64
Aroclor-1232		24	U	14	44
Aroclor-1242		24	U	13	39
Aroclor-1248		24	U	17	54
Aroclor-1254		24	U	17	54
Aroclor-1260		24	U	17	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59		40 - 140
DCB Decachlorobiphenyl	64		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0017M-0001-SO**

Lab Sample ID: 240-22663-31 Date Sampled: 04/01/2013 1542
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.42 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1112			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58		40 - 140
DCB Decachlorobiphenyl	71		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0018M-0001-SO**

Lab Sample ID: 240-22663-32 Date Sampled: 04/01/2013 1543
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.29 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1128			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	64
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	54
Aroclor-1254		25	U	17	54
Aroclor-1260		25	U	17	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	65		40 - 140
DCB Decachlorobiphenyl	67		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0018M-0001-SO**

Lab Sample ID: 240-22663-32 Date Sampled: 04/01/2013 1543
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.29 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1128			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	61		40 - 140
DCB Decachlorobiphenyl	73		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0019M-0001-SO**

Lab Sample ID: 240-22663-33 Date Sampled: 04/01/2013 1521
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	29.59 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1349			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	51
Aroclor-1016		25	U	21	66
Aroclor-1232		25	U	14	46
Aroclor-1242		25	U	13	41
Aroclor-1248		25	U	17	56
Aroclor-1254		25	U	17	56
Aroclor-1260		25	U	17	56

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		40 - 140
DCB Decachlorobiphenyl	87		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0019M-0001-SO**

Lab Sample ID: 240-22663-33 Date Sampled: 04/01/2013 1521
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	29.59 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1349			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		40 - 140
DCB Decachlorobiphenyl	93		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0022M-0001-SO**

Lab Sample ID: 240-22663-34 Date Sampled: 04/01/2013 1521
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.36 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1404			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		24	U	16	49
Aroclor-1016		24	U	21	64
Aroclor-1232		24	U	14	44
Aroclor-1242		24	U	13	40
Aroclor-1248		24	U	17	54
Aroclor-1254		24	U	17	54
Aroclor-1260		24	U	17	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		40 - 140
DCB Decachlorobiphenyl	76		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0022M-0001-SO**

Lab Sample ID: 240-22663-34 Date Sampled: 04/01/2013 1521
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.36 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1404			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		40 - 140
DCB Decachlorobiphenyl	84		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0020M-0001-SO**

Lab Sample ID: 240-22663-35 Date Sampled: 04/01/2013 1550
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	29.73 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1420			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	66
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		40 - 140
DCB Decachlorobiphenyl	83		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0020M-0001-SO**

Lab Sample ID: 240-22663-35 Date Sampled: 04/01/2013 1550
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	29.73 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1420			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		40 - 140
DCB Decachlorobiphenyl	91		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0023M-0001-SO**

Lab Sample ID: 240-22663-36 Date Sampled: 04/01/2013 1440
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	29.89 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1435			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		40 - 140
DCB Decachlorobiphenyl	75		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0023M-0001-SO**

Lab Sample ID: 240-22663-36 Date Sampled: 04/01/2013 1440
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	29.89 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1435			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		40 - 140
DCB Decachlorobiphenyl	82		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0024M-0001-SO**

Lab Sample ID: 240-22663-37 Date Sampled: 04/01/2013 1420
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.05 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1144			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	64		40 - 140
DCB Decachlorobiphenyl	68		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0024M-0001-SO**

Lab Sample ID: 240-22663-37 Date Sampled: 04/01/2013 1420
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.05 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1144			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	61		40 - 140
DCB Decachlorobiphenyl	75		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0025M-0001-SO**

Lab Sample ID: 240-22663-38 Date Sampled: 04/01/2013 1445
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.07 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1159			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		40 - 140
DCB Decachlorobiphenyl	72		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0025M-0001-SO**

Lab Sample ID: 240-22663-38 Date Sampled: 04/01/2013 1445
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.07 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1159			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	66		40 - 140
DCB Decachlorobiphenyl	80		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0032-0001-SO**

Lab Sample ID: 240-22663-39 Date Sampled: 04/01/2013 1530
Client Matrix: Solid % Moisture: 12.4 Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1215			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		28	U	18	57
Aroclor-1016		28	U	24	74
Aroclor-1232		28	U	16	51
Aroclor-1242		28	U	15	46
Aroclor-1248		28	U	19	63
Aroclor-1254		28	U	19	63
Aroclor-1260		28	U	19	63

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59		40 - 140
DCB Decachlorobiphenyl	64		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0032-0001-SO**

Lab Sample ID: 240-22663-39 Date Sampled: 04/01/2013 1530
Client Matrix: Solid % Moisture: 12.4 Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1215			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	60		40 - 140
DCB Decachlorobiphenyl	70		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0027M-0001-SO**

Lab Sample ID: 240-22663-40 Date Sampled: 04/01/2013 1400
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.29 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1231			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	64
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	54
Aroclor-1254		25	U	17	54
Aroclor-1260		25	U	17	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		40 - 140
DCB Decachlorobiphenyl	70		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0027M-0001-SO**

Lab Sample ID: 240-22663-40 Date Sampled: 04/01/2013 1400
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.29 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1231			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		40 - 140
DCB Decachlorobiphenyl	82		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0028M-0001-SO**

Lab Sample ID: 240-22663-41 Date Sampled: 04/01/2013 1402
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.12 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1246			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	51		40 - 140
DCB Decachlorobiphenyl	67		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0028M-0001-SO**

Lab Sample ID: 240-22663-41 Date Sampled: 04/01/2013 1402
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	30.12 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1246			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	52		40 - 140
DCB Decachlorobiphenyl	70		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0030M-0001-SO**

Lab Sample ID: 240-22663-43 Date Sampled: 04/01/2013 1405
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	29.91 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1302			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		40 - 140
DCB Decachlorobiphenyl	74		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0030M-0001-SO**

Lab Sample ID: 240-22663-43 Date Sampled: 04/01/2013 1405
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	29.91 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1302			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		40 - 140
DCB Decachlorobiphenyl	79		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0031M-0001-SO**

Lab Sample ID: 240-22663-44 Date Sampled: 04/01/2013 1344
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	29.64 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1317			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	PRIMARY
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	51
Aroclor-1016		25	U	21	66
Aroclor-1232		25	U	14	46
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	56
Aroclor-1254		25	U	17	56
Aroclor-1260		25	U	17	56

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	55		40 - 140
DCB Decachlorobiphenyl	61		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0031M-0001-SO**

Lab Sample ID: 240-22663-44 Date Sampled: 04/01/2013 1344
Client Matrix: Solid Date Received: 04/02/2013 0800

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-81736	Initial Weight/Volume:	29.64 g
Dilution:	1.0	Leach Batch:	240-80915	Final Weight/Volume:	10 mL
Analysis Date:	04/17/2013 1317			Injection Volume:	1 uL
Prep Date:	04/12/2013 1146			Result Type:	SECONDARY
Leach Date:	04/02/2013 1500				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	55		40 - 140
DCB Decachlorobiphenyl	67		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid Date Received: 04/02/2013 0800

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-14432	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-14079	Lab File ID:	320-0003925-028-1.d
Dilution:	1.0			Initial Weight/Volume:	2.05 g
Analysis Date:	04/16/2013 2022			Final Weight/Volume:	10 mL
Prep Date:	04/11/2013 1007			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.039	U	0.020	0.24

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0017M-0001-SO**

Lab Sample ID: 240-22663-7 Date Sampled: 04/01/2013 0924
Client Matrix: Solid Date Received: 04/02/2013 0800

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-14432	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-14079	Lab File ID:	320-0003925-031-1.d
Dilution:	1.0			Initial Weight/Volume:	2.00 g
Analysis Date:	04/16/2013 2115			Final Weight/Volume:	10 mL
Prep Date:	04/11/2013 1007			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.040	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0041M-0001-SO**

Lab Sample ID: 240-22663-17 Date Sampled: 04/01/2013 1303
Client Matrix: Solid Date Received: 04/02/2013 0800

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-14432	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-14079	Lab File ID:	320-0003925-032-1.d
Dilution:	1.0			Initial Weight/Volume:	2.06 g
Analysis Date:	04/16/2013 2133			Final Weight/Volume:	10 mL
Prep Date:	04/11/2013 1007			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.039	U	0.019	0.24

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037
Client Matrix: Solid Date Received: 04/02/2013 0800

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-14432	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-14079	Lab File ID:	320-0003925-033-1.d
Dilution:	1.0			Initial Weight/Volume:	2.04 g
Analysis Date:	04/16/2013 2150			Final Weight/Volume:	10 mL
Prep Date:	04/11/2013 1007			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.039	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043
Client Matrix: Solid Date Received: 04/02/2013 0800

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-14432	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-14079	Lab File ID:	320-0003925-034-1.d
Dilution:	1.0			Initial Weight/Volume:	2.01 g
Analysis Date:	04/16/2013 2208			Final Weight/Volume:	10 mL
Prep Date:	04/11/2013 1007			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.040	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid Date Received: 04/02/2013 0800

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14706	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-14065	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/20/2013 0245			Injection Volume:	500 uL
Prep Date:	04/11/2013 0824			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.010	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0073	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.018	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.010	0.25
1,3,5-Trinitrobenzene		0.050	U	0.010	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	93		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid Date Received: 04/02/2013 0800

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14998	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-14065	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/25/2013 1338			Injection Volume:	500 uL
Prep Date:	04/11/2013 0824			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
PETN		0.25	U	0.025	0.50

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid Date Received: 04/02/2013 0800

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14998	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-14065	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/25/2013 1338			Injection Volume:	500 uL
Prep Date:	04/11/2013 0824			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	104		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0017M-0001-SO**

Lab Sample ID: 240-22663-7 Date Sampled: 04/01/2013 0924
Client Matrix: Solid Date Received: 04/02/2013 0800

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14706	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-14065	Initial Weight/Volume:	10.02 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/20/2013 0456			Injection Volume:	500 uL
Prep Date:	04/11/2013 0824			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.010	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0073	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.018	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.010	0.25
1,3,5-Trinitrobenzene		0.050	U	0.010	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	94	M	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0041M-0001-SO**

Lab Sample ID: 240-22663-17 Date Sampled: 04/01/2013 1303
Client Matrix: Solid Date Received: 04/02/2013 0800

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14706	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-14065	Initial Weight/Volume:	10.02 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/20/2013 0540			Injection Volume:	500 uL
Prep Date:	04/11/2013 0824			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.010	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0073	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.018	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.010	0.25
1,3,5-Trinitrobenzene		0.050	U	0.010	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	93		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037
Client Matrix: Solid Date Received: 04/02/2013 0800

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14706	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-14065	Initial Weight/Volume:	10.04 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/20/2013 0624			Injection Volume:	500 uL
Prep Date:	04/11/2013 0824			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.010	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0073	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.018	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.010	0.25
1,3,5-Trinitrobenzene		0.050	U	0.010	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	94		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043
Client Matrix: Solid Date Received: 04/02/2013 0800

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-14706	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-14065	Initial Weight/Volume:	10.04 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	04/20/2013 0707			Injection Volume:	500 uL
Prep Date:	04/11/2013 0824			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.010	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0073	0.25
HMX		0.050	U M	0.012	0.25
Nitrobenzene		0.050	U	0.018	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.010	0.25
1,3,5-Trinitrobenzene		0.050	U	0.010	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	93		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0010M-0001-SO**

Lab Sample ID: 240-22663-1 Date Sampled: 04/01/2013 1007
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.17 g
Analysis Date:	05/04/2013 2232			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.026	J	0.0097	0.085
Aluminum		8700		0.24	2.6
Arsenic		7.3		0.015	0.085
Barium		44	Q	0.0091	0.85
Beryllium		0.25	Q	0.0064	0.085
Calcium		260		1.1	8.5
Cadmium		0.078	J Q	0.011	0.085
Chromium		12		0.019	0.17
Cobalt		4.0	Q	0.0021	0.043
Copper		12	Q	0.028	0.17
Iron		19000		0.92	4.3
Magnesium		1500		0.92	8.5
Manganese		150	Q	0.014	0.43
Sodium		27		2.3	8.5
Nickel		10		0.0097	0.085
Lead		13	Q	0.013	0.085
Antimony		0.085	U	0.039	0.17
Thallium		0.14		0.0087	0.085
Vanadium		17		0.026	0.085
Zinc		33	Q	0.055	0.43
Potassium		720		2.7	8.5
Selenium		0.24	J	0.044	0.43

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.66 g
Analysis Date:	04/16/2013 1221			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.019	J	0.013	0.091

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0011M-0001-SO**

Lab Sample ID: 240-22663-2 Date Sampled: 04/01/2013 1007
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.06 g
Analysis Date:	05/04/2013 2240			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.028	J	0.011	0.094
Aluminum		7800		0.27	2.8
Arsenic		7.1		0.017	0.094
Barium		43	Q	0.010	0.94
Beryllium		0.22	Q	0.0071	0.094
Calcium		400		1.3	9.4
Cadmium		0.073	J Q	0.012	0.094
Chromium		10		0.021	0.19
Cobalt		3.3	Q	0.0023	0.047
Copper		12	Q	0.031	0.19
Iron		17000		1.0	4.7
Magnesium		1200		1.0	9.4
Manganese		110	Q	0.015	0.47
Sodium		32		2.5	9.4
Nickel		8.1		0.011	0.094
Lead		14	Q	0.015	0.094
Antimony		0.094	U	0.043	0.19
Thallium		0.16		0.0096	0.094
Vanadium		15		0.028	0.094
Zinc		28	Q	0.061	0.47
Potassium		660		3.0	9.4
Selenium		0.25	J	0.048	0.47

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.63 g
Analysis Date:	04/16/2013 1222			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.022	J	0.013	0.095

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0013M-0001-SO**

Lab Sample ID: 240-22663-3 Date Sampled: 04/01/2013 1009
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.09 g
Analysis Date:	05/04/2013 2248			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.030	J	0.010	0.092
Aluminum		13000		0.26	2.8
Arsenic		10		0.017	0.092
Barium		78	Q	0.0098	0.92
Beryllium		0.64	Q	0.0069	0.092
Calcium		1400		1.2	9.2
Cadmium		0.28	Q	0.012	0.092
Chromium		17		0.020	0.18
Cobalt		12	Q	0.0022	0.046
Copper		21	Q	0.030	0.18
Iron		24000		0.99	4.6
Magnesium		3700		0.99	9.2
Manganese		290	Q	0.015	0.46
Sodium		50		2.4	9.2
Nickel		27		0.010	0.092
Lead		13	Q	0.014	0.092
Antimony		0.092	U	0.042	0.18
Thallium		0.18		0.0094	0.092
Vanadium		19		0.027	0.092
Zinc		59	Q	0.059	0.46
Potassium		1300		2.9	9.2
Selenium		0.33	J	0.047	0.46

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.63 g
Analysis Date:	04/16/2013 1224			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.014	J	0.013	0.095

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.16 g
Analysis Date:	05/04/2013 2353			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.029	J	0.0098	0.086
Aluminum		9800		0.25	2.6
Arsenic		11		0.016	0.086
Barium		54	Q	0.0092	0.86
Beryllium		0.56	Q	0.0065	0.086
Calcium		3000		1.1	8.6
Cadmium		0.23	Q	0.011	0.086
Chromium		15		0.019	0.17
Cobalt		14	Q	0.0021	0.043
Copper		20	Q	0.028	0.17
Iron		23000		0.93	4.3
Magnesium		3400		0.93	8.6
Manganese		300	Q	0.014	0.43
Sodium		46		2.3	8.6
Nickel		28		0.0097	0.086
Lead		11	Q	0.013	0.086
Antimony		0.063	J	0.040	0.17
Thallium		0.14		0.0088	0.086
Vanadium		15		0.026	0.086
Zinc		76	Q	0.056	0.43
Potassium		1100		2.7	8.6
Selenium		0.29	J	0.044	0.43

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.62 g
Analysis Date:	04/16/2013 1229			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.032	U	0.014	0.097

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0015M-0001,0002-SO**

Lab Sample ID: 240-22663-5 Date Sampled: 04/01/2013 1001
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.11 g
Analysis Date:	05/04/2013 2256			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.030	J	0.010	0.090
Aluminum		13000	J	0.26	2.7
Arsenic		10		0.016	0.090
Barium		68	Q	0.0096	0.90
Beryllium		0.58	Q	0.0068	0.090
Calcium		590		1.2	9.0
Cadmium		0.20	Q	0.012	0.090
Chromium		17		0.020	0.18
Cobalt		11	Q	0.0022	0.045
Copper		20	Q	0.030	0.18
Iron		26000	J	0.97	4.5
Magnesium		3200		0.97	9.0
Manganese		260	Q J	0.014	0.45
Sodium		40		2.4	9.0
Nickel		26		0.010	0.090
Lead		12	Q	0.014	0.090
Antimony		0.090	U J	0.041	0.18
Thallium		0.17		0.0092	0.090
Vanadium		19		0.027	0.090
Zinc		74	Q	0.058	0.45
Potassium		1200		2.8	9.0
Selenium		0.28	J	0.046	0.45

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.60 g
Analysis Date:	04/16/2013 1210			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.016	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0016M-0001-SO**

Lab Sample ID: 240-22663-6 Date Sampled: 04/01/2013 0915
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.19 g
Analysis Date:	05/05/2013 0002			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.027	J	0.0096	0.084
Aluminum		12000		0.24	2.5
Arsenic		12		0.015	0.084
Barium		77	Q	0.0090	0.84
Beryllium		0.55	Q	0.0063	0.084
Calcium		970		1.1	8.4
Cadmium		0.16	Q	0.011	0.084
Chromium		16		0.019	0.17
Cobalt		11	Q	0.0020	0.042
Copper		18	Q	0.028	0.17
Iron		27000		0.91	4.2
Magnesium		3300		0.91	8.4
Manganese		380	Q	0.013	0.42
Sodium		45		2.2	8.4
Nickel		28		0.0095	0.084
Lead		14	Q	0.013	0.084
Antimony		0.084	U	0.039	0.17
Thallium		0.17		0.0086	0.084
Vanadium		18		0.025	0.084
Zinc		51	Q	0.054	0.42
Potassium		1100		2.7	8.4
Selenium		0.25	J	0.043	0.42

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.61 g
Analysis Date:	04/16/2013 1231			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.015	J	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0017M-0001-SO**

Lab Sample ID: 240-22663-7 Date Sampled: 04/01/2013 0924
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	05/05/2013 0010			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.029	J	0.011	0.099
Aluminum		14000		0.28	3.0
Arsenic		11		0.018	0.099
Barium		79	Q	0.011	0.99
Beryllium		0.62	Q	0.0074	0.099
Calcium		1400		1.3	9.9
Cadmium		0.21	Q	0.013	0.099
Chromium		18		0.022	0.20
Cobalt		12	Q	0.0024	0.050
Copper		27	Q	0.033	0.20
Iron		27000		1.1	5.0
Magnesium		4000		1.1	9.9
Manganese		300	Q	0.016	0.50
Sodium		52		2.6	9.9
Nickel		30		0.011	0.099
Lead		13	Q	0.015	0.099
Antimony		0.099	U	0.045	0.20
Thallium		0.18		0.010	0.099
Vanadium		20		0.030	0.099
Zinc		60	Q	0.064	0.50
Potassium		1400		3.1	9.9
Selenium		0.27	J	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.69 g
Analysis Date:	04/16/2013 1232			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.014	J	0.012	0.087

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0020M-0001-SO**

Lab Sample ID: 240-22663-8 Date Sampled: 04/01/2013 0924
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.08 g
Analysis Date:	05/05/2013 0018			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.029	J	0.011	0.093
Aluminum		14000		0.26	2.8
Arsenic		11		0.017	0.093
Barium		71	Q	0.0099	0.93
Beryllium		0.72	Q	0.0069	0.093
Calcium		780		1.2	9.3
Cadmium		0.22	Q	0.012	0.093
Chromium		18		0.021	0.19
Cobalt		15	Q	0.0022	0.046
Copper		28	Q	0.031	0.19
Iron		26000		1.0	4.6
Magnesium		3500		1.0	9.3
Manganese		270	Q	0.015	0.46
Sodium		42		2.5	9.3
Nickel		27		0.010	0.093
Lead		13	Q	0.014	0.093
Antimony		0.093	U	0.043	0.19
Thallium		0.18		0.0094	0.093
Vanadium		21		0.028	0.093
Zinc		62	Q	0.060	0.46
Potassium		1200		2.9	9.3
Selenium		0.35	J	0.047	0.46

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.55 g
Analysis Date:	04/16/2013 1233			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.024	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0019M-0001-SO**

Lab Sample ID: 240-22663-9 Date Sampled: 04/01/2013 0945
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.07 g
Analysis Date:	05/05/2013 0026			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.034	J	0.011	0.093
Aluminum		13000		0.27	2.8
Arsenic		9.9		0.017	0.093
Barium		76	Q	0.010	0.93
Beryllium		0.49	Q	0.0070	0.093
Calcium		690		1.2	9.3
Cadmium		0.14	Q	0.012	0.093
Chromium		16		0.021	0.19
Cobalt		11	Q	0.0022	0.047
Copper		16	Q	0.031	0.19
Iron		26000		1.0	4.7
Magnesium		2600		1.0	9.3
Manganese		280	Q	0.015	0.47
Sodium		42		2.5	9.3
Nickel		20		0.011	0.093
Lead		13	Q	0.014	0.093
Antimony		0.093	U	0.043	0.19
Thallium		0.17		0.0095	0.093
Vanadium		23		0.028	0.093
Zinc		45	Q	0.061	0.47
Potassium		1000		2.9	9.3
Selenium		0.33	J	0.048	0.47

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.57 g
Analysis Date:	04/16/2013 1236			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.021	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SS-0035M-0001-SO**

Lab Sample ID: 240-22663-11 Date Sampled: 04/01/2013 1420
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.09 g
Analysis Date:	05/05/2013 0034			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.029	J	0.010	0.092
Aluminum		11000		0.26	2.8
Arsenic		14		0.017	0.092
Barium		57	Q	0.0098	0.92
Beryllium		0.52	Q	0.0069	0.092
Calcium		720		1.2	9.2
Cadmium		0.18	Q	0.012	0.092
Chromium		14		0.020	0.18
Cobalt		11	Q	0.0022	0.046
Copper		19	Q	0.030	0.18
Iron		24000		0.99	4.6
Magnesium		2700		0.99	9.2
Manganese		340	Q	0.015	0.46
Sodium		36		2.4	9.2
Nickel		22		0.010	0.092
Lead		15	Q	0.014	0.092
Antimony		0.35		0.042	0.18
Thallium		0.16		0.0094	0.092
Vanadium		18		0.027	0.092
Zinc		54	Q	0.059	0.46
Potassium		990		2.9	9.2
Selenium		0.36	J	0.047	0.46

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.54 g
Analysis Date:	04/16/2013 1237			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.027	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0036M-0001-SO**

Lab Sample ID: 240-22663-12 Date Sampled: 04/01/2013 1345
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.15 g
Analysis Date:	05/05/2013 0042			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.024	J	0.0099	0.087
Aluminum		7500		0.25	2.6
Arsenic		13		0.016	0.087
Barium		36	Q	0.0093	0.87
Beryllium		0.38	Q	0.0065	0.087
Calcium		1700		1.2	8.7
Cadmium		0.17	Q	0.011	0.087
Chromium		11		0.019	0.17
Cobalt		9.2	Q	0.0021	0.043
Copper		17	Q	0.029	0.17
Iron		25000		0.94	4.3
Magnesium		2600		0.94	8.7
Manganese		400	Q	0.014	0.43
Sodium		43		2.3	8.7
Nickel		21		0.0098	0.087
Lead		13	Q	0.013	0.087
Antimony		0.044	J	0.040	0.17
Thallium		0.13		0.0089	0.087
Vanadium		12		0.026	0.087
Zinc		56	Q	0.056	0.43
Potassium		1000		2.7	8.7
Selenium		0.25	J	0.044	0.43

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.56 g
Analysis Date:	04/16/2013 1240			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.035	U	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0037M-0001-SO**

Lab Sample ID: 240-22663-13 Date Sampled: 04/01/2013 1350
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.24 g
Analysis Date:	05/05/2013 0051			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.030	J	0.0092	0.081
Aluminum		5300		0.23	2.4
Arsenic		13		0.015	0.081
Barium		25	Q	0.0086	0.81
Beryllium		0.32	Q	0.0060	0.081
Calcium		4500		1.1	8.1
Cadmium		0.17	Q	0.011	0.081
Chromium		8.5		0.018	0.16
Cobalt		8.1	Q	0.0019	0.040
Copper		17	Q	0.027	0.16
Iron		19000		0.87	4.0
Magnesium		2700		0.87	8.1
Manganese		410	Q	0.013	0.40
Sodium		38		2.1	8.1
Nickel		18		0.0091	0.081
Lead		11	Q	0.012	0.081
Antimony		0.044	J	0.037	0.16
Thallium		0.12		0.0082	0.081
Vanadium		9.4		0.024	0.081
Zinc		54	Q	0.052	0.40
Potassium		850		2.5	8.1
Selenium		0.19	J	0.041	0.40

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.56 g
Analysis Date:	04/16/2013 1241			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.035	U	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0038M-0001-SO**

Lab Sample ID: 240-22663-14 Date Sampled: 04/01/2013 1240
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.08 g
Analysis Date:	05/05/2013 0059			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.022	J	0.011	0.093
Aluminum		6800		0.26	2.8
Arsenic		19		0.017	0.093
Barium		32	Q	0.0099	0.93
Beryllium		0.35	Q	0.0069	0.093
Calcium		640		1.2	9.3
Cadmium		0.19	Q	0.012	0.093
Chromium		10		0.021	0.19
Cobalt		8.7	Q	0.0022	0.046
Copper		20	Q	0.031	0.19
Iron		22000		1.0	4.6
Magnesium		2100		1.0	9.3
Manganese		460	Q	0.015	0.46
Sodium		40		2.5	9.3
Nickel		21		0.010	0.093
Lead		17	Q	0.014	0.093
Antimony		0.067	J	0.043	0.19
Thallium		0.15		0.0094	0.093
Vanadium		11		0.028	0.093
Zinc		64	Q	0.060	0.46
Potassium		1000		2.9	9.3
Selenium		0.28	J	0.047	0.46

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.56 g
Analysis Date:	04/16/2013 1242			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.018	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0039M-0001-SO**

Lab Sample ID: 240-22663-15 Date Sampled: 04/01/2013 1240
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.24 g
Analysis Date:	05/05/2013 0107			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.021	J	0.0092	0.081
Aluminum		7000		0.23	2.4
Arsenic		15		0.015	0.081
Barium		34	Q	0.0086	0.81
Beryllium		0.40	Q	0.0060	0.081
Calcium		710		1.1	8.1
Cadmium		0.19	Q	0.011	0.081
Chromium		10		0.018	0.16
Cobalt		8.7	Q	0.0019	0.040
Copper		19	Q	0.027	0.16
Iron		24000		0.87	4.0
Magnesium		2200		0.87	8.1
Manganese		460	Q	0.013	0.40
Sodium		35		2.1	8.1
Nickel		21		0.0091	0.081
Lead		16	Q	0.012	0.081
Antimony		0.055	J	0.037	0.16
Thallium		0.14		0.0082	0.081
Vanadium		12		0.024	0.081
Zinc		62	Q	0.052	0.40
Potassium		970		2.5	8.1
Selenium		0.26	J	0.041	0.40

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.61 g
Analysis Date:	04/16/2013 1243			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.020	J	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0040M-0001,0002-SO**

Lab Sample ID: 240-22663-16 Date Sampled: 04/01/2013 1253
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	05/05/2013 0148			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.017	J	0.011	0.099
Aluminum		7000	J	0.28	3.0
Arsenic		12		0.018	0.099
Barium		36	Q	0.011	0.99
Beryllium		0.41	Q	0.0074	0.099
Calcium		670		1.3	9.9
Cadmium		0.12	Q	0.013	0.099
Chromium		10		0.022	0.20
Cobalt		8.3	Q	0.0024	0.050
Copper		17	Q	0.033	0.20
Iron		20000	J	1.1	5.0
Magnesium		2200		1.1	9.9
Manganese		300	Q	0.016	0.50
Sodium		41		2.6	9.9
Nickel		19		0.011	0.099
Lead		11	Q	0.015	0.099
Antimony		0.047	J	0.045	0.20
Thallium		0.11		0.010	0.099
Vanadium		12		0.030	0.099
Zinc		51	Q	0.064	0.50
Potassium		760		3.1	9.9
Selenium		0.17	J	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.60 g
Analysis Date:	04/16/2013 1215			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.033	U	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0041M-0001-SO**

Lab Sample ID: 240-22663-17 Date Sampled: 04/01/2013 1303
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.04 g
Analysis Date:	05/05/2013 0229			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.029	J	0.011	0.096
Aluminum		4700		0.27	2.9
Arsenic		11		0.017	0.096
Barium		25	Q	0.010	0.96
Beryllium		0.30	Q	0.0072	0.096
Calcium		3100		1.3	9.6
Cadmium		0.16	Q	0.013	0.096
Chromium		7.8		0.021	0.19
Cobalt		7.3	Q	0.0023	0.048
Copper		16	Q	0.032	0.19
Iron		20000		1.0	4.8
Magnesium		2100		1.0	9.6
Manganese		490	Q	0.015	0.48
Sodium		35		2.6	9.6
Nickel		17		0.011	0.096
Lead		11	Q	0.015	0.096
Antimony		0.24		0.044	0.19
Thallium		0.12		0.0098	0.096
Vanadium		8.8		0.029	0.096
Zinc		80	Q	0.062	0.48
Potassium		730		3.0	9.6
Selenium		0.16	J	0.049	0.48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.57 g
Analysis Date:	04/16/2013 1248			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.016	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0042M-0001-SO**

Lab Sample ID: 240-22663-18 Date Sampled: 04/01/2013 1351
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	05/05/2013 0237			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.027	J	0.011	0.10
Aluminum		10000		0.28	3.0
Arsenic		14		0.018	0.10
Barium		41	Q	0.011	1.0
Beryllium		0.52	Q	0.0075	0.10
Calcium		7400		1.3	10
Cadmium		0.14	Q	0.013	0.10
Chromium		15		0.022	0.20
Cobalt		12	Q	0.0024	0.050
Copper		18	Q	0.033	0.20
Iron		27000		1.1	5.0
Magnesium		5500		1.1	10
Manganese		360	Q	0.016	0.50
Sodium		60		2.7	10
Nickel		28		0.011	0.10
Lead		11	Q	0.015	0.10
Antimony		0.076	J	0.046	0.20
Thallium		0.13		0.010	0.10
Vanadium		15		0.030	0.10
Zinc		52	Q	0.065	0.50
Potassium		1400		3.2	10
Selenium		0.21	J	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.60 g
Analysis Date:	04/16/2013 1249			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.033	U	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0043M-0001-SO**

Lab Sample ID: 240-22663-19 Date Sampled: 04/01/2013 1324
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.04 g
Analysis Date:	05/05/2013 0246			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.023	J	0.011	0.096
Aluminum		6200		0.27	2.9
Arsenic		12		0.017	0.096
Barium		33	Q	0.010	0.96
Beryllium		0.36	Q	0.0072	0.096
Calcium		2300		1.3	9.6
Cadmium		0.16	Q	0.013	0.096
Chromium		9.7		0.021	0.19
Cobalt		8.1	Q	0.0023	0.048
Copper		17	Q	0.032	0.19
Iron		19000		1.0	4.8
Magnesium		2400		1.0	9.6
Manganese		340	Q	0.015	0.48
Sodium		38		2.6	9.6
Nickel		20		0.011	0.096
Lead		12	Q	0.015	0.096
Antimony		0.074	J	0.044	0.19
Thallium		0.12		0.0098	0.096
Vanadium		10		0.029	0.096
Zinc		54	Q	0.062	0.48
Potassium		820		3.0	9.6
Selenium		0.16	J	0.049	0.48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.57 g
Analysis Date:	04/16/2013 1251			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.015	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **073SB-0044-0001-SO**

Lab Sample ID: 240-22663-20 Date Sampled: 04/01/2013 1329
Client Matrix: Solid % Moisture: 9.2 Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	05/05/2013 0310			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.028	J	0.012	0.11
Aluminum		3700		0.31	3.2
Arsenic		7.7		0.020	0.11
Barium		20	Q	0.012	1.1
Beryllium		0.27	Q	0.0081	0.11
Calcium		9400		1.4	11
Cadmium		0.26	Q	0.014	0.11
Chromium		6.1		0.024	0.22
Cobalt		6.4	Q	0.0026	0.054
Copper		14	Q	0.036	0.22
Iron		17000		1.2	5.4
Magnesium		4600		1.2	11
Manganese		330	Q	0.017	0.54
Sodium		39		2.9	11
Nickel		14		0.012	0.11
Lead		12	Q	0.017	0.11
Antimony		0.089	J	0.050	0.22
Thallium		0.11		0.011	0.11
Vanadium		7.0		0.032	0.11
Zinc		67	Q	0.070	0.54
Potassium		660		3.4	11
Selenium		0.17	J	0.055	0.54

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82289	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.53 g
Analysis Date:	04/16/2013 1253			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.027	J	0.017	0.12

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0021M-0001-SO**

Lab Sample ID: 240-22663-21 Date Sampled: 04/01/2013 1121
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	05/05/2013 0318			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.035	J	0.011	0.098
Aluminum		8000		0.28	2.9
Arsenic		6.6		0.018	0.098
Barium		59	Q	0.010	0.98
Beryllium		0.29	Q	0.0074	0.098
Calcium		600		1.3	9.8
Cadmium		0.16	Q	0.013	0.098
Chromium		11		0.022	0.20
Cobalt		6.6	Q	0.0024	0.049
Copper		8.9	Q	0.032	0.20
Iron		20000		1.1	4.9
Magnesium		1400		1.1	9.8
Manganese		450	Q	0.016	0.49
Sodium		27		2.6	9.8
Nickel		10		0.011	0.098
Lead		12	Q	0.015	0.098
Antimony		0.098	U	0.045	0.20
Thallium		0.13		0.010	0.098
Vanadium		16		0.029	0.098
Zinc		100	Q	0.064	0.49
Potassium		580		3.1	9.8
Selenium		0.28	J	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.54 g
Analysis Date:	04/17/2013 0942			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.029	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0022M-0001-SO**

Lab Sample ID: 240-22663-22 Date Sampled: 04/01/2013 1124
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	05/05/2013 0327			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.026	J	0.011	0.098
Aluminum		12000		0.28	2.9
Arsenic		11		0.018	0.098
Barium		79	Q	0.010	0.98
Beryllium		0.60	Q	0.0074	0.098
Calcium		2000		1.3	9.8
Cadmium		0.16	Q	0.013	0.098
Chromium		16		0.022	0.20
Cobalt		11	Q	0.0024	0.049
Copper		18	Q	0.032	0.20
Iron		26000		1.1	4.9
Magnesium		3500		1.1	9.8
Manganese		310	Q	0.016	0.49
Sodium		42		2.6	9.8
Nickel		26		0.011	0.098
Lead		12	Q	0.015	0.098
Antimony		0.098	U	0.045	0.20
Thallium		0.15		0.010	0.098
Vanadium		17		0.029	0.098
Zinc		62	Q	0.064	0.49
Potassium		1100		3.1	9.8
Selenium		0.30	J	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.63 g
Analysis Date:	04/17/2013 0945			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.018	J	0.013	0.095

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0023M-0001-SO**

Lab Sample ID: 240-22663-23 Date Sampled: 04/01/2013 1124
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	05/05/2013 0335			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.025	J	0.011	0.10
Aluminum		12000		0.28	3.0
Arsenic		11		0.018	0.10
Barium		72	Q	0.011	1.0
Beryllium		0.60	Q	0.0075	0.10
Calcium		2700		1.3	10
Cadmium		0.15	Q	0.013	0.10
Chromium		16		0.022	0.20
Cobalt		11	Q	0.0024	0.050
Copper		18	Q	0.033	0.20
Iron		26000		1.1	5.0
Magnesium		3500		1.1	10
Manganese		300	Q	0.016	0.50
Sodium		42		2.7	10
Nickel		25		0.011	0.10
Lead		13	Q	0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.15		0.010	0.10
Vanadium		17		0.030	0.10
Zinc		60	Q	0.065	0.50
Potassium		1100		3.2	10
Selenium		0.27	J	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.69 g
Analysis Date:	04/17/2013 0946			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.018	J	0.012	0.087

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0024M-0001,0002-SO**

Lab Sample ID: 240-22663-24 Date Sampled: 04/01/2013 1129
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.03 g
Analysis Date:	05/05/2013 0449			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.030	J	0.011	0.097
Aluminum		12000	J	0.28	2.9
Arsenic		10		0.018	0.097
Barium		72	Q	0.010	0.97
Beryllium		0.55	Q	0.0073	0.097
Calcium		1000		1.3	9.7
Cadmium		0.18	Q	0.013	0.097
Chromium		15		0.022	0.19
Cobalt		11	Q	0.0023	0.049
Copper		17	Q	0.032	0.19
Iron		25000	J	1.0	4.9
Magnesium		2800		1.0	9.7
Manganese		260	Q	0.015	0.49
Sodium		35		2.6	9.7
Nickel		21		0.011	0.097
Lead		12	Q	0.015	0.097
Antimony		0.097	U J	0.045	0.19
Thallium		0.15		0.0099	0.097
Vanadium		19		0.029	0.097
Zinc		68	Q	0.063	0.49
Potassium		890		3.1	9.7
Selenium		0.35	J	0.049	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.60 g
Analysis Date:	04/17/2013 0935			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.025	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0025M-0001-SO**

Lab Sample ID: 240-22663-25 Date Sampled: 04/01/2013 1023
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.04 g
Analysis Date:	05/05/2013 0343			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.028	J	0.011	0.096
Aluminum		8900		0.27	2.9
Arsenic		6.9		0.017	0.096
Barium		58	Q	0.010	0.96
Beryllium		0.42	Q	0.0072	0.096
Calcium		2200		1.3	9.6
Cadmium		0.22	Q	0.013	0.096
Chromium		12		0.021	0.19
Cobalt		8.6	Q	0.0023	0.048
Copper		11	Q	0.032	0.19
Iron		19000		1.0	4.8
Magnesium		2400		1.0	9.6
Manganese		560	Q	0.015	0.48
Sodium		34		2.6	9.6
Nickel		16		0.011	0.096
Lead		11	Q	0.015	0.096
Antimony		0.096	U	0.044	0.19
Thallium		0.13		0.0098	0.096
Vanadium		16		0.029	0.096
Zinc		160	Q	0.062	0.48
Potassium		820		3.0	9.6
Selenium		0.27	J	0.049	0.48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.59 g
Analysis Date:	04/17/2013 0948			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.022	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.04 g
Analysis Date:	05/05/2013 0351			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.023	J	0.011	0.096
Aluminum		12000		0.27	2.9
Arsenic		10		0.017	0.096
Barium		62	Q	0.010	0.96
Beryllium		0.58	Q	0.0072	0.096
Calcium		3900		1.3	9.6
Cadmium		0.15	Q	0.013	0.096
Chromium		17		0.021	0.19
Cobalt		11	Q	0.0023	0.048
Copper		19	Q	0.032	0.19
Iron		27000		1.0	4.8
Magnesium		3800		1.0	9.6
Manganese		240	Q	0.015	0.48
Sodium		42		2.6	9.6
Nickel		26		0.011	0.096
Lead		12	Q	0.015	0.096
Antimony		0.096	U	0.044	0.19
Thallium		0.15		0.0098	0.096
Vanadium		19		0.029	0.096
Zinc		53	Q	0.062	0.48
Potassium		1000		3.0	9.6
Selenium		0.27	J	0.049	0.48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.67 g
Analysis Date:	04/17/2013 0950			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.018	J	0.013	0.090

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0027M-0001-SO**

Lab Sample ID: 240-22663-27 Date Sampled: 04/01/2013 1112
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.03 g
Analysis Date:	05/05/2013 0400			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.035	J	0.011	0.097
Aluminum		9500		0.28	2.9
Arsenic		11		0.018	0.097
Barium		82	Q	0.010	0.97
Beryllium		0.46	Q	0.0073	0.097
Calcium		360		1.3	9.7
Cadmium		0.098	Q	0.013	0.097
Chromium		15		0.022	0.19
Cobalt		12	Q	0.0023	0.049
Copper		14	Q	0.032	0.19
Iron		28000		1.0	4.9
Magnesium		2200		1.0	9.7
Manganese		840	Q	0.015	0.49
Sodium		32		2.6	9.7
Nickel		18		0.011	0.097
Lead		14	Q	0.015	0.097
Antimony		0.097	U	0.045	0.19
Thallium		0.13		0.0099	0.097
Vanadium		20		0.029	0.097
Zinc		47	Q	0.063	0.49
Potassium		790		3.1	9.7
Selenium		0.32	J	0.049	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.65 g
Analysis Date:	04/17/2013 0952			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.025	J	0.013	0.092

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.05 g
Analysis Date:	05/05/2013 0408			Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.026	J	0.011	0.095
Aluminum		7900		0.27	2.9
Arsenic		6.7		0.017	0.095
Barium		51	Q	0.010	0.95
Beryllium		0.34	Q	0.0071	0.095
Calcium		380		1.3	9.5
Cadmium		0.18	Q	0.013	0.095
Chromium		10		0.021	0.19
Cobalt		5.0	Q	0.0023	0.048
Copper		9.4	Q	0.031	0.19
Iron		17000		1.0	4.8
Magnesium		1400		1.0	9.5
Manganese		130	Q	0.015	0.48
Sodium		27		2.5	9.5
Nickel		12		0.011	0.095
Lead		11	Q	0.015	0.095
Antimony		0.095	U	0.044	0.19
Thallium		0.12		0.0097	0.095
Vanadium		14		0.028	0.095
Zinc		42	Q	0.062	0.48
Potassium		570		3.0	9.5
Selenium		0.34	J	0.048	0.48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.62 g
Analysis Date:	04/17/2013 0954			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.026	J	0.014	0.097

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **079SB-0029-0001-SO**

Lab Sample ID: 240-22663-29 Date Sampled: 04/01/2013 1055
Client Matrix: Solid % Moisture: 6.0 Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.04 g
Analysis Date:	05/05/2013 0530			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.031	J	0.012	0.10
Aluminum		2600		0.29	3.1
Arsenic		8.9		0.019	0.10
Barium		15	Q	0.011	1.0
Beryllium		0.13	Q	0.0077	0.10
Calcium		8800		1.4	10
Cadmium		0.13	Q	0.014	0.10
Chromium		4.0		0.023	0.20
Cobalt		3.9	Q	0.0025	0.051
Copper		16	Q	0.034	0.20
Iron		12000		1.1	5.1
Magnesium		2800		1.1	10
Manganese		200	Q	0.016	0.51
Sodium		40		2.7	10
Nickel		9.7		0.012	0.10
Lead		8.1	Q	0.016	0.10
Antimony		0.26		0.047	0.20
Thallium		0.091	J	0.010	0.10
Vanadium		5.1		0.031	0.10
Zinc		43	Q	0.066	0.51
Potassium		440		3.2	10
Selenium		0.17	J	0.052	0.51

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.56 g
Analysis Date:	04/17/2013 1000			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.038	U	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0017M-0001-SO**

Lab Sample ID: 240-22663-31 Date Sampled: 04/01/2013 1542
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	05/05/2013 0538			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.036	J	0.011	0.099
Aluminum		11000		0.28	3.0
Arsenic		8.6		0.018	0.099
Barium		81	Q	0.011	0.99
Beryllium		0.60	Q	0.0074	0.099
Calcium		30000		1.3	9.9
Cadmium		0.26	Q	0.013	0.099
Chromium		15		0.022	0.20
Cobalt		9.9	Q	0.0024	0.050
Copper		19	Q	0.033	0.20
Iron		22000		1.1	5.0
Magnesium		6200		1.1	9.9
Manganese		450	Q	0.016	0.50
Sodium		92		2.6	9.9
Nickel		23		0.011	0.099
Lead		14	Q	0.015	0.099
Antimony		0.068	J	0.045	0.20
Thallium		0.15		0.010	0.099
Vanadium		17		0.030	0.099
Zinc		54	Q	0.064	0.50
Potassium		1400		3.1	9.9
Selenium		0.40	J	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.53 g
Analysis Date:	04/17/2013 1002			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.041	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0018M-0001-SO**

Lab Sample ID: 240-22663-32 Date Sampled: 04/01/2013 1543
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	05/05/2013 0547			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.034	J	0.011	0.10
Aluminum		9300		0.28	3.0
Arsenic		12		0.018	0.10
Barium		50	Q	0.011	1.0
Beryllium		0.44	Q	0.0075	0.10
Calcium		34000		1.3	10
Cadmium		0.17	Q	0.013	0.10
Chromium		14		0.022	0.20
Cobalt		10	Q	0.0024	0.050
Copper		18	Q	0.033	0.20
Iron		24000		1.1	5.0
Magnesium		7400		1.1	10
Manganese		380	Q	0.016	0.50
Sodium		88		2.7	10
Nickel		25		0.011	0.10
Lead		11	Q	0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.14		0.010	0.10
Vanadium		15		0.030	0.10
Zinc		46	Q	0.065	0.50
Potassium		1400		3.2	10
Selenium		0.22	J	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.55 g
Analysis Date:	04/17/2013 1004			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.036	U	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0019M-0001-SO**

Lab Sample ID: 240-22663-33 Date Sampled: 04/01/2013 1521
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	05/05/2013 0555			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.040	J	0.011	0.099
Aluminum		11000		0.28	3.0
Arsenic		11		0.018	0.099
Barium		74	Q	0.011	0.99
Beryllium		0.57	Q	0.0074	0.099
Calcium		25000		1.3	9.9
Cadmium		0.23	Q	0.013	0.099
Chromium		18		0.022	0.20
Cobalt		12	Q	0.0024	0.050
Copper		20	Q	0.033	0.20
Iron		26000		1.1	5.0
Magnesium		7400		1.1	9.9
Manganese		360	Q	0.016	0.50
Sodium		120		2.6	9.9
Nickel		29		0.011	0.099
Lead		12	Q	0.015	0.099
Antimony		0.099	U	0.045	0.20
Thallium		0.16		0.010	0.099
Vanadium		18		0.030	0.099
Zinc		49	Q	0.064	0.50
Potassium		1500		3.1	9.9
Selenium		0.31	J	0.050	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.60 g
Analysis Date:	04/17/2013 1006			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.021	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0022M-0001-SO**

Lab Sample ID: 240-22663-34 Date Sampled: 04/01/2013 1521
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.03 g
Analysis Date:	05/05/2013 0603			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.037	J	0.011	0.097
Aluminum		11000		0.28	2.9
Arsenic		11		0.018	0.097
Barium		61	Q	0.010	0.97
Beryllium		0.56	Q	0.0073	0.097
Calcium		26000		1.3	9.7
Cadmium		0.19	Q	0.013	0.097
Chromium		17		0.022	0.19
Cobalt		13	Q	0.0023	0.049
Copper		19	Q	0.032	0.19
Iron		25000		1.0	4.9
Magnesium		7400		1.0	9.7
Manganese		380	Q	0.015	0.49
Sodium		120		2.6	9.7
Nickel		29		0.011	0.097
Lead		11	Q	0.015	0.097
Antimony		0.097	U	0.045	0.19
Thallium		0.16		0.0099	0.097
Vanadium		18		0.029	0.097
Zinc		48	Q	0.063	0.49
Potassium		1400		3.1	9.7
Selenium		0.28	J	0.049	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.59 g
Analysis Date:	04/17/2013 1007			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.019	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0020M-0001-SO**

Lab Sample ID: 240-22663-35 Date Sampled: 04/01/2013 1550
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	05/05/2013 0628			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.034	J	0.011	0.10
Aluminum		11000		0.28	3.0
Arsenic		11		0.018	0.10
Barium		70	Q	0.011	1.0
Beryllium		0.53	Q	0.0075	0.10
Calcium		30000		1.3	10
Cadmium		0.19	Q	0.013	0.10
Chromium		16		0.022	0.20
Cobalt		11	Q	0.0024	0.050
Copper		19	Q	0.033	0.20
Iron		24000		1.1	5.0
Magnesium		7800		1.1	10
Manganese		410	Q	0.016	0.50
Sodium		130		2.7	10
Nickel		27		0.011	0.10
Lead		11	Q	0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.17		0.010	0.10
Vanadium		17		0.030	0.10
Zinc		47	Q	0.065	0.50
Potassium		1500		3.2	10
Selenium		0.28	J	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.54 g
Analysis Date:	04/17/2013 1010			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.037	U	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0023M-0001-SO**

Lab Sample ID: 240-22663-36 Date Sampled: 04/01/2013 1440
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	05/05/2013 0636			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.036	J	0.011	0.10
Aluminum		11000		0.28	3.0
Arsenic		9.0		0.018	0.10
Barium		71	Q	0.011	1.0
Beryllium		0.59	Q	0.0075	0.10
Calcium		14000		1.3	10
Cadmium		0.27	Q	0.013	0.10
Chromium		16		0.022	0.20
Cobalt		10	Q	0.0024	0.050
Copper		19	Q	0.033	0.20
Iron		23000		1.1	5.0
Magnesium		4800		1.1	10
Manganese		520	Q	0.016	0.50
Sodium		71		2.7	10
Nickel		23		0.011	0.10
Lead		14	Q	0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.15		0.010	0.10
Vanadium		18		0.030	0.10
Zinc		53	Q	0.065	0.50
Potassium		1300		3.2	10
Selenium		0.35	J	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.54 g
Analysis Date:	04/17/2013 1012			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.040	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0024M-0001-SO**

Lab Sample ID: 240-22663-37 Date Sampled: 04/01/2013 1420
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	05/05/2013 0644			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.040	J	0.011	0.10
Aluminum		10000		0.28	3.0
Arsenic		14		0.018	0.10
Barium		63	Q	0.011	1.0
Beryllium		0.58	Q	0.0075	0.10
Calcium		16000		1.3	10
Cadmium		0.21	Q	0.013	0.10
Chromium		14		0.022	0.20
Cobalt		11	Q	0.0024	0.050
Copper		18	Q	0.033	0.20
Iron		24000		1.1	5.0
Magnesium		5500		1.1	10
Manganese		510	Q	0.016	0.50
Sodium		76		2.7	10
Nickel		24		0.011	0.10
Lead		15	Q	0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.13		0.010	0.10
Vanadium		16		0.030	0.10
Zinc		56	Q	0.065	0.50
Potassium		1200		3.2	10
Selenium		0.33	J	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.60 g
Analysis Date:	04/17/2013 1014			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.025	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0025M-0001-SO**

Lab Sample ID: 240-22663-38 Date Sampled: 04/01/2013 1445
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.00 g
Analysis Date:	05/05/2013 0652			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.041	J	0.011	0.10
Aluminum		8700		0.28	3.0
Arsenic		13		0.018	0.10
Barium		51	Q	0.011	1.0
Beryllium		0.42	Q	0.0075	0.10
Calcium		20000		1.3	10
Cadmium		0.28	Q	0.013	0.10
Chromium		12		0.022	0.20
Cobalt		9.1	Q	0.0024	0.050
Copper		24	Q	0.033	0.20
Iron		22000		1.1	5.0
Magnesium		5300		1.1	10
Manganese		420	Q	0.016	0.50
Sodium		78		2.7	10
Nickel		21		0.011	0.10
Lead		16	Q	0.015	0.10
Antimony		0.10	U	0.046	0.20
Thallium		0.13		0.010	0.10
Vanadium		13		0.030	0.10
Zinc		77	Q	0.065	0.50
Potassium		1200		3.2	10
Selenium		0.30	J	0.051	0.50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82449	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.56 g
Analysis Date:	04/17/2013 1016			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.050	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0032-0001-SO**

Lab Sample ID: 240-22663-39 Date Sampled: 04/01/2013 1530
Client Matrix: Solid % Moisture: 12.4 Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	05/05/2013 0701			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.029	J	0.013	0.11
Aluminum		8800		0.32	3.4
Arsenic		16		0.020	0.11
Barium		34	Q	0.012	1.1
Beryllium		0.41	Q	0.0085	0.11
Calcium		4300		1.5	11
Cadmium		0.14	Q	0.015	0.11
Chromium		13		0.025	0.23
Cobalt		12	Q	0.0027	0.057
Copper		20	Q	0.037	0.23
Iron		26000		1.2	5.7
Magnesium		5200		1.2	11
Manganese		620	Q	0.018	0.57
Sodium		64		3.0	11
Nickel		29		0.013	0.11
Lead		12	Q	0.017	0.11
Antimony		0.11	U	0.052	0.23
Thallium		0.14		0.012	0.11
Vanadium		13		0.034	0.11
Zinc		50	Q	0.073	0.57
Potassium		1000		3.6	11
Selenium		0.25	J	0.058	0.57

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82912	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-82367	Lab File ID:	041913A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	04/19/2013 1017			Final Weight/Volume:	100 mL
Prep Date:	04/17/2013 1455				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.034	U	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0027M-0001-SO**

Lab Sample ID: 240-22663-40 Date Sampled: 04/01/2013 1400
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.03 g
Analysis Date:	05/05/2013 0709			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.036	J	0.011	0.097
Aluminum		13000		0.28	2.9
Arsenic		9.7		0.018	0.097
Barium		81	Q	0.010	0.97
Beryllium		0.64	Q	0.0073	0.097
Calcium		26000		1.3	9.7
Cadmium		0.21	Q	0.013	0.097
Chromium		19		0.022	0.19
Cobalt		13	Q	0.0023	0.049
Copper		20	Q	0.032	0.19
Iron		26000		1.0	4.9
Magnesium		7900		1.0	9.7
Manganese		410	Q	0.015	0.49
Sodium		98		2.6	9.7
Nickel		31		0.011	0.097
Lead		12	Q	0.015	0.097
Antimony		0.097	U	0.045	0.19
Thallium		0.18		0.0099	0.097
Vanadium		20		0.029	0.097
Zinc		51	Q	0.063	0.49
Potassium		1700		3.1	9.7
Selenium		0.35	J	0.049	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82912	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-82367	Lab File ID:	041913A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.61 g
Analysis Date:	04/19/2013 1018			Final Weight/Volume:	100 mL
Prep Date:	04/17/2013 1455				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.032	U	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0028M-0001-SO**

Lab Sample ID: 240-22663-41 Date Sampled: 04/01/2013 1402
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	05/05/2013 0717			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.035	J	0.011	0.098
Aluminum		7400		0.28	2.9
Arsenic		16		0.018	0.098
Barium		40	Q	0.010	0.98
Beryllium		0.38	Q	0.0074	0.098
Calcium		22000		1.3	9.8
Cadmium		0.17	Q	0.013	0.098
Chromium		11		0.022	0.20
Cobalt		8.8	Q	0.0024	0.049
Copper		19	Q	0.032	0.20
Iron		22000		1.1	4.9
Magnesium		5600		1.1	9.8
Manganese		360	Q	0.016	0.49
Sodium		64		2.6	9.8
Nickel		24		0.011	0.098
Lead		12	Q	0.015	0.098
Antimony		0.098	U	0.045	0.20
Thallium		0.12		0.010	0.098
Vanadium		12		0.029	0.098
Zinc		47	Q	0.064	0.49
Potassium		970		3.1	9.8
Selenium		0.32	J	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82912	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-82367	Lab File ID:	041913A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.64 g
Analysis Date:	04/19/2013 1020			Final Weight/Volume:	100 mL
Prep Date:	04/17/2013 1455				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.031	U	0.013	0.094

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0030M-0001-SO**

Lab Sample ID: 240-22663-43 Date Sampled: 04/01/2013 1405
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.05 g
Analysis Date:	05/05/2013 0726			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.041	J	0.011	0.095
Aluminum		10000		0.27	2.9
Arsenic		11		0.017	0.095
Barium		69	Q	0.010	0.95
Beryllium		0.49	Q	0.0071	0.095
Calcium		35000		1.3	9.5
Cadmium		0.21	Q	0.013	0.095
Chromium		15		0.021	0.19
Cobalt		10	Q	0.0023	0.048
Copper		19	Q	0.031	0.19
Iron		23000		1.0	4.8
Magnesium		7600		1.0	9.5
Manganese		400	Q	0.015	0.48
Sodium		83		2.5	9.5
Nickel		26		0.011	0.095
Lead		11	Q	0.015	0.095
Antimony		0.095	U	0.044	0.19
Thallium		0.15		0.0097	0.095
Vanadium		16		0.028	0.095
Zinc		45	Q	0.062	0.48
Potassium		1400		3.0	9.5
Selenium		0.30	J	0.048	0.48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82912	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-82367	Lab File ID:	041913A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.57 g
Analysis Date:	04/19/2013 1021			Final Weight/Volume:	100 mL
Prep Date:	04/17/2013 1455				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.035	U	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Client Sample ID: **068SB-0031M-0001-SO**

Lab Sample ID: 240-22663-44 Date Sampled: 04/01/2013 1344
Client Matrix: Solid Date Received: 04/02/2013 0800

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-70845	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.04 g
Analysis Date:	05/05/2013 0734			Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.038	J	0.011	0.096
Aluminum		8700		0.27	2.9
Arsenic		9.2		0.017	0.096
Barium		54	Q	0.010	0.96
Beryllium		0.46	Q	0.0072	0.096
Calcium		30000		1.3	9.6
Cadmium		0.18	Q	0.013	0.096
Chromium		14		0.021	0.19
Cobalt		8.8	Q	0.0023	0.048
Copper		16	Q	0.032	0.19
Iron		20000		1.0	4.8
Magnesium		6600		1.0	9.6
Manganese		340	Q	0.015	0.48
Sodium		85		2.6	9.6
Nickel		22		0.011	0.096
Lead		9.5	Q	0.015	0.096
Antimony		0.096	U	0.044	0.19
Thallium		0.13		0.0098	0.096
Vanadium		14		0.029	0.096
Zinc		40	Q	0.062	0.48
Potassium		1300		3.0	9.6
Selenium		0.37	J	0.049	0.48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-82912	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-82367	Lab File ID:	041913A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.64 g
Analysis Date:	04/19/2013 1023			Final Weight/Volume:	100 mL
Prep Date:	04/17/2013 1455				
Leach Date:	04/02/2013 1500				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.031	U	0.013	0.094

General Chemistry

Client Sample ID: **079SB-0010M-0001-SO**

Lab Sample ID: 240-22663-1 Date Sampled: 04/01/2013 1007

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-22663-1

General Chemistry

Client Sample ID: **079SB-0011M-0001-SO**

Lab Sample ID: 240-22663-2 Date Sampled: 04/01/2013 1007
Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0013M-0001-SO**

Lab Sample ID: 240-22663-3 Date Sampled: 04/01/2013 1009

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0014M-0001-SO**

Lab Sample ID: 240-22663-4 Date Sampled: 04/01/2013 1012

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	9.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Nitrocellulose	0.76	J	mg/Kg	0.73	4.7	1.0	WS-WC-0050
Analysis Batch: 320-14914	Analysis Date: 04/23/2013 1313						DryWt Corrected: N
Prep Batch: 320-14752	Prep Date: 04/22/2013 0613						

Client: Environmental Chemical Corp. Job Number: 240-22663-1

General Chemistry

Client Sample ID: **079SB-0015M-0001,0002-SO**

Lab Sample ID: 240-22663-5 Date Sampled: 04/01/2013 1001
Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-22663-1

General Chemistry

Client Sample ID: **079SB-0016M-0001-SO**

Lab Sample ID: 240-22663-6 Date Sampled: 04/01/2013 0915
Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0017M-0001-SO**

Lab Sample ID: 240-22663-7 Date Sampled: 04/01/2013 0924
Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Nitrocellulose	1.8	U	mg/Kg	0.77	5.0	1.0	WS-WC-0050
Analysis Batch: 320-14914	Analysis Date: 04/23/2013 1315						DryWt Corrected: N
Prep Batch: 320-14752	Prep Date: 04/22/2013 0613						

General Chemistry

Client Sample ID: **079SB-0020M-0001-SO**

Lab Sample ID: 240-22663-8 Date Sampled: 04/01/2013 0924

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0019M-0001-SO**

Lab Sample ID: 240-22663-9 Date Sampled: 04/01/2013 0945

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **070SB-0046M-0001-SB**

Lab Sample ID: 240-22663-10 Date Sampled: 04/01/2013 1500

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **073SS-0035M-0001-SO**

Lab Sample ID: 240-22663-11 Date Sampled: 04/01/2013 1420

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **073SB-0036M-0001-SO**

Lab Sample ID: 240-22663-12 Date Sampled: 04/01/2013 1345

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.75		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **073SB-0037M-0001-SO**

Lab Sample ID: 240-22663-13 Date Sampled: 04/01/2013 1350

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.56		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **073SB-0038M-0001-SO**

Lab Sample ID: 240-22663-14 Date Sampled: 04/01/2013 1240

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.59		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **073SB-0039M-0001-SO**

Lab Sample ID: 240-22663-15 Date Sampled: 04/01/2013 1240

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.59		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **073SB-0040M-0001,0002-SO**

Lab Sample ID: 240-22663-16 Date Sampled: 04/01/2013 1253

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.72		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **073SB-0041M-0001-SO**

Lab Sample ID: 240-22663-17 Date Sampled: 04/01/2013 1303

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Nitrocellulose	0.91	J	mg/Kg	0.78	5.0	1.0	WS-WC-0050
Analysis Batch: 320-14914	Analysis Date: 04/23/2013 1317						DryWt Corrected: N
Prep Batch: 320-14752	Prep Date: 04/22/2013 0613						

General Chemistry

Client Sample ID: **073SB-0042M-0001-SO**

Lab Sample ID: 240-22663-18 Date Sampled: 04/01/2013 1351

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **073SB-0043M-0001-SO**

Lab Sample ID: 240-22663-19 Date Sampled: 04/01/2013 1324

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.68		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **073SB-0044-0001-SO**

Lab Sample ID: 240-22663-20 Date Sampled: 04/01/2013 1329

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	9.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0021M-0001-SO**

Lab Sample ID: 240-22663-21 Date Sampled: 04/01/2013 1121

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0022M-0001-SO**

Lab Sample ID: 240-22663-22 Date Sampled: 04/01/2013 1124

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0023M-0001-SO**

Lab Sample ID: 240-22663-23 Date Sampled: 04/01/2013 1124

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-22663-1

General Chemistry

Client Sample ID: **079SB-0024M-0001,0002-SO**

Lab Sample ID: 240-22663-24 Date Sampled: 04/01/2013 1129
Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-22663-1

General Chemistry

Client Sample ID: **079SB-0025M-0001-SO**

Lab Sample ID: 240-22663-25 Date Sampled: 04/01/2013 1023
Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0026M-0001-SO**

Lab Sample ID: 240-22663-26 Date Sampled: 04/01/2013 1037

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Nitrocellulose	0.81	J	mg/Kg	0.78	5.0	1.0	WS-WC-0050
Analysis Batch: 320-14914	Analysis Date: 04/23/2013 1319						DryWt Corrected: N
Prep Batch: 320-14752	Prep Date: 04/22/2013 0613						

General Chemistry

Client Sample ID: **079SB-0027M-0001-SO**

Lab Sample ID: 240-22663-27 Date Sampled: 04/01/2013 1112

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0028M-0001-SO**

Lab Sample ID: 240-22663-28 Date Sampled: 04/01/2013 1043

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Nitrocellulose	2.5	J	mg/Kg	0.75	4.8	1.0	WS-WC-0050
Analysis Batch: 320-14914	Analysis Date: 04/23/2013 1321						DryWt Corrected: N
Prep Batch: 320-14752	Prep Date: 04/22/2013 0613						

General Chemistry

Client Sample ID: **079SB-0029-0001-SO**

Lab Sample ID: 240-22663-29 Date Sampled: 04/01/2013 1055

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	6.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0017M-0001-SO**

Lab Sample ID: 240-22663-31 Date Sampled: 04/01/2013 1542

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0018M-0001-SO**

Lab Sample ID: 240-22663-32 Date Sampled: 04/01/2013 1543

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0019M-0001-SO**

Lab Sample ID: 240-22663-33 Date Sampled: 04/01/2013 1521

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0022M-0001-SO**

Lab Sample ID: 240-22663-34 Date Sampled: 04/01/2013 1521

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0020M-0001-SO**

Lab Sample ID: 240-22663-35 Date Sampled: 04/01/2013 1550

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0023M-0001-SO**

Lab Sample ID: 240-22663-36 Date Sampled: 04/01/2013 1440

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0024M-0001-SO**

Lab Sample ID: 240-22663-37 Date Sampled: 04/01/2013 1420

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0025M-0001-SO**

Lab Sample ID: 240-22663-38 Date Sampled: 04/01/2013 1445

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0032-0001-SO**

Lab Sample ID: 240-22663-39 Date Sampled: 04/01/2013 1530

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0027M-0001-SO**

Lab Sample ID: 240-22663-40 Date Sampled: 04/01/2013 1400

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0028M-0001-SO**

Lab Sample ID: 240-22663-41 Date Sampled: 04/01/2013 1402

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.69		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0030M-0001-SO**

Lab Sample ID: 240-22663-43 Date Sampled: 04/01/2013 1405

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	1.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

General Chemistry

Client Sample ID: **068SB-0031M-0001-SO**

Lab Sample ID: 240-22663-44 Date Sampled: 04/01/2013 1344

Client Matrix: Solid Date Received: 04/02/2013 0800

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N
Percent Moisture	0.90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-80985	Analysis Date: 04/08/2013 1114						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

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

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
MRL 240-80954/5		85	90	87	84
MRL 240-80954/32		85	96	90	86

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

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

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-22663-4	079SB-0014M-0001-SO	78	91	86	83Q
240-22663-7	079SB-0017M-0001-SO	75	90	87	101
240-22663-17	073SB-0041M-0001-SO	76	90	87	88
240-22663-26	079SB-0026M-0001-SO	69	88	73Q	68Q
240-22663-28	079SB-0028M-0001-SO	74	88	84Q	85
MB 240-80954/7		85	92	89	86
LCS 240-80954/6		91	91	89	89

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	59-138
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
MRL 240-81013/5		98	93	92	89
MRL 240-81013/21		96	94	93	91

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-22663-30	068SB-0026-0001-TB	99	92	86	80
MB 240-81013/6		98	92	90	81
LCS 240-81013/4		94	91	94	100

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

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

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
240-22663-4	079SB-0014M-0001-SO	72	79	66	74	63	63
240-22663-7	079SB-0017M-0001-SO	62	62	50	58	58	55
240-22663-17	073SB-0041M-0001-SO	70	75	64	77	59	62
240-22663-26	079SB-0026M-0001-SO	67	69	56	64	64	56
240-22663-28	079SB-0028M-0001-SO	66	71	54	65	78	59
240-22663-31	068SB-0017M-0001-SO	69	69	57	66	79	62
240-22663-32	068SB-0018M-0001-SO	74	74	60	70	68	56
240-22663-33	068SB-0019M-0001-SO	65	72	58	69	57	57
240-22663-34	068SB-0022M-0001-SO	75	79	62	75	67	63
240-22663-35	068SB-0020M-0001-SO	67	69	57	66	63	59
240-22663-36	068SB-0023M-0001-SO	58	62	54	60	75	61
240-22663-37	068SB-0024M-0001-SO	62	62	53	60	59	53
240-22663-38	068SB-0025M-0001-SO	68	66	54	62	71	60
240-22663-39	068SB-0032-0001-SO	51	52	46	50	61	58
240-22663-40	068SB-0027M-0001-SO	51	52	45	50	62	54
240-22663-41	068SB-0028M-0001-SO	71	73	63	75	86	63
240-22663-43	068SB-0030M-0001-SO	59	62	53	57	68	59
240-22663-44	068SB-0031M-0001-SO	60	63	50	61	69	55
MB 240-81754/21-A		47	53	50	50	40	61

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl (Surr)	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

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

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
LCS 240-81754/22-A		55	57	54	53	62	63
240-22663-44 MS	068SB-0031M-0001-SO MS	55	58	52	52	75	61
240-22663-44 MSD	068SB-0031M-0001-SO MSD	52	57	49	54	66	53

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl (Surr)	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

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

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
MRL 240-82876/3		99	103Q	100	94	102	101
MRL 240-82876/23		96	98	93	95	95	101

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
MRL 240-82940/3		95	97	100	95	104	101
MRL 240-82940/19		95	96	95	97	108	101

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

8081/DOD Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-22663-4	079SB-0014M-0001-SO	99	72	80	76
240-22663-4 RE	079SB-0014M-0001-SO RE	109	118	92	90
240-22663-7	079SB-0017M-0001-SO	87	68Q	71	71
240-22663-7 RE	079SB-0017M-0001-SO RE	91	101	89	88
240-22663-10	070SB-0046M-0001-SB	87	89	92	101
240-22663-10 RE	070SB-0046M-0001-SB RE	112	108	134Q	145Q
240-22663-17	073SB-0041M-0001-SO	80	63Q	73	72
240-22663-17 RE	073SB-0041M-0001-SO RE	107	91	98	95
240-22663-26	079SB-0026M-0001-SO	53Q	59Q	57	57
240-22663-26 RE	079SB-0026M-0001-SO RE	90	80	91	90
240-22663-28	079SB-0028M-0001-SO	56Q	58Q	64	60
240-22663-28 RE	079SB-0028M-0001-SO RE	91	85	105	98
MB 240-81726/21-A		59Q	57Q	64	63
MB 240-83135/18-A		119	173Q	91	92
LCS 240-81726/22-A		95	102	85	85M
LCS 240-83135/19-A		131Q	178Q	90	93
240-22663-28 MS RE	079SB-0028M-0001-SO MS RE	94	88	118	105
240-22663-28 MSD RE	079SB-0028M-0001-SO MSD RE	87	94	103	82

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

8081/DOD Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
MRL 240-82685/6		103	96	124	131Q
MRL 240-82685/41		102	95	120	125
MRL 240-82857/6		99	93	113	116
MRL 240-82857/39		96	91	119	122
MRL 240-83400/26		123	119	136Q	135Q
MRL 240-83400/52		120	118	130	124

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-22663-4	079SB-0014M-0001-SO	52	53	69	68
240-22663-7	079SB-0017M-0001-SO	58	61	66	68
240-22663-17	073SB-0041M-0001-SO	55	56	65	67
240-22663-26	079SB-0026M-0001-SO	50	50	55Q	56Q
240-22663-26	079SB-0026M-0001-SO	68	64	64	71
240-22663-28	079SB-0028M-0001-SO	48	49	53Q	57Q
240-22663-28	079SB-0028M-0001-SO	138	70	73	85
240-22663-31	068SB-0017M-0001-SO	59	58	64	71
240-22663-32	068SB-0018M-0001-SO	65	61	67	73
240-22663-33	068SB-0019M-0001-SO	84	82	87	93
240-22663-34	068SB-0022M-0001-SO	79	76	76	84
240-22663-35	068SB-0020M-0001-SO	79	76	83	91
240-22663-36	068SB-0023M-0001-SO	76	72	75	82
240-22663-37	068SB-0024M-0001-SO	64	61	68	75
240-22663-38	068SB-0025M-0001-SO	75	66	72	80
240-22663-39	068SB-0032-0001-SO	59	60	64	70
240-22663-40	068SB-0027M-0001-SO	67	67	70	82
240-22663-41	068SB-0028M-0001-SO	51	52	67	70
240-22663-43	068SB-0030M-0001-SO	70	70	74	79

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	60-125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-22663-44	068SB-0031M-0001-SO	55	55	61	67
MB 240-81730/20-A		59	60	62	262Q
MB 240-81736/24-A		79	75	77	83
MB 240-83675/20-A		83	60	64	71
LCS 240-81730/21-A		80	77	81	88
LCS 240-81736/23-A		115	84	103	98
LCS 240-83675/21-A		93	77	64	71

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	60-125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
MRL 240-82267/4		107	115	111	133Q
MRL 240-82267/21		113	117	121	133Q

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
MRL 240-82363/4		101	108	119	125
MRL 240-82363/26		117	130	136Q	138Q
MRL 240-82656/4		112	118	134Q	139Q
MRL 240-82656/7		114	121	138Q	143Q
MRL 240-83996/4		94	105	103	107
MRL 240-83996/10		91	104	109	122

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate Recovery Report

8330B_Nitroaromatics and Nitramines (HPLC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DNT1 %Rec	DNT2 %Rec
240-22663-4	079SB-0014M-0001-SO	93	
240-22663-4	079SB-0014M-0001-SO		104
240-22663-7	079SB-0017M-0001-SO	94M	
240-22663-17	073SB-0041M-0001-SO	93	
240-22663-26	079SB-0026M-0001-SO	94	
240-22663-28	079SB-0028M-0001-SO	93	
MB 320-14065/1-A		93	
MB 320-14065/1-A			121M Q
LCS 320-14065/2-A		96	
240-22663-4 MS	079SB-0014M-0001-SO MS	97	
240-22663-4 MSD	079SB-0014M-0001-SO MSD	97	

Surrogate	Acceptance Limits
DNT = 3,4-Dinitrotoluene	78-118

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 240-80954

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MB 240-80954/7	Analysis Batch:	240-80954	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	141832.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/08/2013 1243	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
2-Butanone (MEK)	2.0	U	1.4	20
Acetone	6.3	U	6.3	20
Benzene	0.50	U	0.23	5.0
Bromoform	0.50	U	0.33	5.0
Bromomethane	1.0	U	0.54	5.0
Carbon disulfide	3.10	J	0.44	5.0
Carbon tetrachloride	0.50	U	0.37	5.0
Chlorobenzene	0.50	U	0.33	5.0
1,1-Dichloroethane	0.50	U	0.36	5.0
Chloromethane	0.50	U	0.41	5.0
1,2-Dichloroethane	0.50	U	0.34	5.0
cis-1,3-Dichloropropene	0.50	U	0.34	5.0
1,1-Dichloroethene	1.0	U	0.52	5.0
Dibromochloromethane	1.0	U	0.55	5.0
1,2-Dichloroethene, Total	1.0	U	0.77	10
Bromodichloromethane	0.50	U	0.28	5.0
1,2-Dichloropropane	1.0	U	0.69	5.0
Ethylbenzene	0.50	U	0.26	5.0
2-Hexanone	1.0	U	0.63	20
Methylene Chloride	14.9		0.67	5.0
4-Methyl-2-pentanone (MIBK)	1.0	U	0.54	20
Styrene	0.50	U	0.15	5.0
1,1,2,2-Tetrachloroethane	0.50	U	0.34	5.0
Tetrachloroethene	1.0	U	0.52	5.0
Toluene	0.50	U	0.27	5.0
trans-1,3-Dichloropropene	1.0	U	0.54	5.0
Chloroform	0.50	U	0.29	5.0
Bromochloromethane	1.0	U	0.71	5.0
1,1,1-Trichloroethane	1.0	U	0.56	5.0
1,1,2-Trichloroethane	0.50	U	0.39	5.0
1,2-Dibromoethane	1.0	U	0.50	5.0
Trichloroethene	0.50	U	0.42	5.0
Vinyl chloride	0.50	U	0.39	5.0
Xylenes, Total	1.5	U	0.67	10
Chloroethane	1.0	U	0.86	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	61 - 130
Toluene-d8 (Surr)	89	85 - 115
4-Bromofluorobenzene (Surr)	86	85 - 120
Dibromofluoromethane (Surr)	85	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-80954

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-80954/5	Analysis Batch:	240-80954	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	141830.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/08/2013 1200	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	0.0100	0.00907	91	70 - 130	J
Acetone	0.0100	0.0171	171	70 - 130	^
Benzene	0.00500	0.00491	98	70 - 130	
Bromoform	0.00500	0.00569	114	70 - 130	
Bromomethane	0.00500	0.00607	121	70 - 130	
Carbon disulfide	0.00500	0.00593	119	70 - 130	
Carbon tetrachloride	0.00500	0.00387	77	70 - 130	
Chlorobenzene	0.00500	0.00483	97	70 - 130	
1,1-Dichloroethane	0.00500	0.00463	93	70 - 130	
Chloromethane	0.00500	0.00496	99	70 - 130	
1,2-Dichloroethane	0.00500	0.00488	98	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00409	82	70 - 130	
1,1-Dichloroethene	0.00500	0.00468	94	70 - 130	
Dibromochloromethane	0.00500	0.00604	121	70 - 130	
Bromodichloromethane	0.00500	0.00398	80	70 - 130	
1,2-Dichloropropane	0.00500	0.00489	98	70 - 130	
Ethylbenzene	0.00500	0.00473	95	70 - 130	
2-Hexanone	0.0100	0.00953	95	70 - 130	J
Methylene Chloride	0.00500	0.0197	395	70 - 130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00862	86	70 - 130	J
Styrene	0.00500	0.00429	86	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00486	97	70 - 130	
Tetrachloroethene	0.00500	0.00479	96	70 - 130	
Toluene	0.00500	0.00479	96	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00388	78	70 - 130	
Chloroform	0.00500	0.00473	95	70 - 130	
Bromochloromethane	0.00500	0.00480	96	70 - 130	
1,1,1-Trichloroethane	0.00500	0.00421	84	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00472	94	70 - 130	
Trichloroethene	0.00500	0.00476	95	70 - 130	
Vinyl chloride	0.00500	0.00522	104	70 - 130	
Xylenes, Total	0.0100	0.00900	90	70 - 130	
Chloroethane	0.00500	0.00612	122	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	50 - 150
Toluene-d8 (Surr)	87	50 - 150
4-Bromofluorobenzene (Surr)	84	50 - 150
Dibromofluoromethane (Surr)	85	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Control Sample - Batch: 240-80954

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	LCS 240-80954/6	Analysis Batch:	240-80954	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	141831.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/08/2013 1222	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	100	92.3	92	30 - 160	
Acetone	100	103	103	20 - 160	
Benzene	50.0	50.6	101	75 - 125	
Bromoform	50.0	42.9	86	55 - 135	
Bromomethane	50.0	54.5	109	30 - 160	
Carbon disulfide	50.0	47.4	95	45 - 160	
Carbon tetrachloride	50.0	51.9	104	65 - 135	
Chlorobenzene	50.0	47.9	96	75 - 125	
1,1-Dichloroethane	50.0	50.8	102	75 - 125	
Chloromethane	50.0	45.2	90	50 - 130	
1,2-Dichloroethane	50.0	49.3	99	70 - 135	
cis-1,3-Dichloropropene	50.0	44.8	90	70 - 125	
1,1-Dichloroethene	50.0	54.8	110	65 - 135	
Dibromochloromethane	50.0	42.5	85	65 - 130	
Bromodichloromethane	50.0	44.0	88	70 - 130	
1,2-Dichloropropane	50.0	50.9	102	70 - 120	
Ethylbenzene	50.0	50.1	100	75 - 125	
2-Hexanone	100	90.6	91	45 - 145	
Methylene Chloride	50.0	62.8	126	55 - 140	
4-Methyl-2-pentanone (MIBK)	100	93.2	93	45 - 145	
Styrene	50.0	50.2	100	75 - 125	
1,1,2,2-Tetrachloroethane	50.0	50.6	101	55 - 130	
Tetrachloroethene	50.0	51.0	102	65 - 140	
Toluene	50.0	49.8	100	70 - 125	
trans-1,3-Dichloropropene	50.0	44.9	90	65 - 125	
Chloroform	50.0	51.8	104	70 - 125	
Bromochloromethane	50.0	51.6	103	70 - 125	
1,1,1-Trichloroethane	50.0	51.9	104	70 - 135	
1,1,2-Trichloroethane	50.0	48.7	97	60 - 125	
Trichloroethene	50.0	49.1	98	75 - 125	
Vinyl chloride	50.0	50.5	101	60 - 125	
Xylenes, Total	150	147	98	75 - 125	
Chloroethane	50.0	58.4	117	40 - 155	

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

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-80954

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-80954/32	Analysis Batch:	240-80954	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	141856.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 2142	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	0.0100	0.0108	108	70 - 130	
Acetone	0.0100	0.0179	179	70 - 130	^
Benzene	0.00500	0.00546	109	70 - 130	
Bromoform	0.00500	0.00572	114	70 - 130	
Bromomethane	0.00500	0.00646	129	70 - 130	
Carbon disulfide	0.00500	0.00567	113	70 - 130	
Carbon tetrachloride	0.00500	0.00396	79	70 - 130	
Chlorobenzene	0.00500	0.00514	103	70 - 130	
1,1-Dichloroethane	0.00500	0.00516	103	70 - 130	
Chloromethane	0.00500	0.00528	106	70 - 130	
1,2-Dichloroethane	0.00500	0.00567	113	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00412	82	70 - 130	
1,1-Dichloroethene	0.00500	0.00452	90	70 - 130	
Dibromochloromethane	0.00500	0.00609	122	70 - 130	
Bromodichloromethane	0.00500	0.00437	87	70 - 130	
1,2-Dichloropropane	0.00500	0.00561	112	70 - 130	
Ethylbenzene	0.00500	0.00505	101	70 - 130	
2-Hexanone	0.0100	0.00935	93	70 - 130	J
Methylene Chloride	0.00500	0.0114	227	70 - 130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00983	98	70 - 130	J
Styrene	0.00500	0.00454	91	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00520	104	70 - 130	
Tetrachloroethene	0.00500	0.00541	108	70 - 130	
Toluene	0.00500	0.00531	106	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00383	77	70 - 130	
Chloroform	0.00500	0.00512	102	70 - 130	
Bromochloromethane	0.00500	0.00514	103	70 - 130	
1,1,1-Trichloroethane	0.00500	0.00452	90	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00556	111	70 - 130	
Trichloroethene	0.00500	0.00511	102	70 - 130	
Vinyl chloride	0.00500	0.00548	110	70 - 130	
Xylenes, Total	0.0100	0.00979	98	70 - 130	
Chloroethane	0.00500	0.00485	97	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	50 - 150
Toluene-d8 (Surr)	90	50 - 150
4-Bromofluorobenzene (Surr)	86	50 - 150
Dibromofluoromethane (Surr)	85	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 240-81013

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 240-81013/6	Analysis Batch:	240-81013	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR3284.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1334	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1334				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	70 - 120
Toluene-d8 (Surr)	90	85 - 120
4-Bromofluorobenzene (Surr)	81	75 - 120
Dibromofluoromethane (Surr)	98	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Control Sample - Batch: 240-81013

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 240-81013/4	Analysis Batch:	240-81013	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR3282.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1250	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1250				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	20.0	20.0	100	30 - 150	
Acetone	20.0	15.5	78	40 - 140	
Benzene	10.0	9.89	99	80 - 120	
Bromoform	10.0	10.7	107	70 - 130	
Bromomethane	10.0	6.68	67	30 - 145	
Carbon disulfide	10.0	9.29	93	35 - 160	
Carbon tetrachloride	10.0	9.52	95	65 - 140	
Chlorobenzene	10.0	9.72	97	80 - 120	
1,1-Dichloroethane	10.0	9.63	96	70 - 135	
Chloromethane	10.0	9.84	98	40 - 125	
1,2-Dichloroethane	10.0	10.1	101	70 - 130	
cis-1,3-Dichloropropene	10.0	9.36	94	70 - 130	
1,1-Dichloroethene	10.0	9.25	92	70 - 130	
Dibromochloromethane	10.0	10.6	106	60 - 135	
Bromodichloromethane	10.0	10.6	106	75 - 120	
1,2-Dichloropropane	10.0	9.98	100	75 - 125	
Ethylbenzene	10.0	9.51	95	75 - 125	
2-Hexanone	20.0	21.2	106	55 - 130	
Methyl tert-butyl ether	10.0	10.2	102	65 - 125	
Methylene Chloride	10.0	9.88	99	55 - 140	
4-Methyl-2-pentanone (MIBK)	20.0	22.0	110	60 - 135	
Styrene	10.0	10.1	101	65 - 135	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	65 - 130	
Tetrachloroethene	10.0	9.51	95	45 - 150	
Toluene	10.0	9.42	94	75 - 120	
trans-1,3-Dichloropropene	10.0	9.71	97	55 - 140	
Chloroform	10.0	9.60	96	65 - 135	
Bromochloromethane	10.0	10.0	100	65 - 130	
1,1,1-Trichloroethane	10.0	9.36	94	65 - 130	
1,1,2-Trichloroethane	10.0	10.3	103	75 - 125	
Trichloroethene	10.0	10.2	102	70 - 125	
Vinyl chloride	10.0	9.88	99	50 - 145	
Xylenes, Total	30.0	29.4	98	75 - 130	
Chloroethane	10.0	8.71	87	60 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	70 - 120
Toluene-d8 (Surr)	94	85 - 120
4-Bromofluorobenzene (Surr)	100	75 - 120
Dibromofluoromethane (Surr)	94	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-81013 **Method: 8260B/DoD**
Preparation: 5030B

Lab Sample ID:	MRL 240-81013/5	Analysis Batch:	240-81013	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR3283.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1312	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1312				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	0.0100	0.00973	97	70 - 130	J
Acetone	0.0100	0.00883	88	70 - 130	J
Benzene	0.00100	0.00116	116	70 - 130	
Bromoform	0.00100	0.00103	103	70 - 130	
Bromomethane	0.00100	0.000930	93	70 - 130	J
Carbon disulfide	0.00100	0.00106	106	70 - 130	
Carbon tetrachloride	0.00100	0.00104	104	70 - 130	
Chlorobenzene	0.00100	0.00111	111	70 - 130	
1,1-Dichloroethane	0.00100	0.00111	111	70 - 130	
Chloromethane	0.00100	0.00116	116	70 - 130	
1,2-Dichloroethane	0.00100	0.00120	120	70 - 130	
cis-1,3-Dichloropropene	0.00100	0.00131	131	70 - 130	^
1,1-Dichloroethene	0.00100	0.00106	106	70 - 130	
Dibromochloromethane	0.00100	0.00106	106	70 - 130	
Bromodichloromethane	0.00100	0.00111	111	70 - 130	
1,2-Dichloropropane	0.00100	0.00110	110	70 - 130	
Ethylbenzene	0.00100	0.000933	93	70 - 130	J
2-Hexanone	0.0100	0.00935	93	70 - 130	J
Methyl tert-butyl ether	0.00100	0.00118	118	70 - 130	
Methylene Chloride	0.00100	0.00138	138	70 - 130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00956	96	70 - 130	J
Styrene	0.00100	0.000866	87	70 - 130	J
1,1,2,2-Tetrachloroethane	0.00100	0.00140	140	70 - 130	^
Tetrachloroethene	0.00100	0.00114	114	70 - 130	
Toluene	0.00100	0.00108	108	70 - 130	
trans-1,3-Dichloropropene	0.00100	0.00131	131	70 - 130	^
Chloroform	0.00100	0.00119	119	70 - 130	
Bromochloromethane	0.00100	0.00115	115	70 - 130	
1,1,1-Trichloroethane	0.00100	0.00109	109	70 - 130	
1,1,2-Trichloroethane	0.00100	0.00104	104	70 - 130	
Trichloroethene	0.00100	0.00118	118	70 - 130	
Vinyl chloride	0.00100	0.00106	106	70 - 130	
Xylenes, Total	0.00300	0.00286	95	70 - 130	
Chloroethane	0.00100	0.00106	106	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	50 - 150
Toluene-d8 (Surr)	92	50 - 150
4-Bromofluorobenzene (Surr)	89	50 - 150
Dibromofluoromethane (Surr)	98	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-81013 **Method: 8260B/DoD**
Preparation: 5030B

Lab Sample ID:	MRL 240-81013/21	Analysis Batch:	240-81013	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR3299.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1858	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1858				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	0.0100	0.00771	77	70 - 130	J
Acetone	0.0100	0.00676	68	70 - 130	J ^
Benzene	0.00100	0.00102	102	70 - 130	
Bromoform	0.00100	0.000836	84	70 - 130	J
Bromomethane	0.00100	0.000770	77	70 - 130	J
Carbon disulfide	0.00100	0.000894	89	70 - 130	J
Carbon tetrachloride	0.00100	0.000915	91	70 - 130	J
Chlorobenzene	0.00100	0.000980	98	70 - 130	J
1,1-Dichloroethane	0.00100	0.000994	99	70 - 130	J
Chloromethane	0.00100	0.00113	113	70 - 130	
1,2-Dichloroethane	0.00100	0.00104	104	70 - 130	
cis-1,3-Dichloropropene	0.00100	0.00121	121	70 - 130	
1,1-Dichloroethene	0.00100	0.00101	101	70 - 130	
Dibromochloromethane	0.00100	0.000823	82	70 - 130	J
Bromodichloromethane	0.00100	0.000890	89	70 - 130	J
1,2-Dichloropropane	0.00100	0.000976	98	70 - 130	J
Ethylbenzene	0.00100	0.000915	91	70 - 130	J
2-Hexanone	0.0100	0.00949	95	70 - 130	J
Methyl tert-butyl ether	0.00100	0.00101	101	70 - 130	
Methylene Chloride	0.00100	0.00256	256	70 - 130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00897	90	70 - 130	J
Styrene	0.00100	0.000745	74	70 - 130	J
1,1,2,2-Tetrachloroethane	0.00100	0.00125	125	70 - 130	
Tetrachloroethene	0.00100	0.000960	96	70 - 130	J
Toluene	0.00100	0.000933	93	70 - 130	J
trans-1,3-Dichloropropene	0.00100	0.00118	118	70 - 130	
Chloroform	0.00100	0.000960	96	70 - 130	J
Bromochloromethane	0.00100	0.00100	100	70 - 130	
1,1,1-Trichloroethane	0.00100	0.000940	94	70 - 130	J
1,1,2-Trichloroethane	0.00100	0.000961	96	70 - 130	J
Trichloroethene	0.00100	0.00102	102	70 - 130	
Vinyl chloride	0.00100	0.000961	96	70 - 130	J
Xylenes, Total	0.00300	0.00240	80	70 - 130	
Chloroethane	0.00100	0.000985	98	70 - 130	J

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	50 - 150
Toluene-d8 (Surr)	93	50 - 150
4-Bromofluorobenzene (Surr)	91	50 - 150
Dibromofluoromethane (Surr)	96	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 240-81754

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-81754/21-A	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-81754	Lab File ID:	30421004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/21/2013 1214	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Acenaphthene	3.3	U	3.3	6.7
Acenaphthylene	3.3	U	3.3	6.7
Anthracene	3.3	U	3.3	6.7
Benzo[a]anthracene	3.3	U	3.3	6.7
Benzo[a]pyrene	3.3	U	3.3	6.7
Benzo[b]fluoranthene	3.3	U	3.3	6.7
Benzo[g,h,i]perylene	3.3	U	3.3	6.7
Benzoic acid	330	U	330	660
Benzo[k]fluoranthene	3.3	U	3.3	6.7
Benzyl alcohol	27	U	21	330
Bis(2-chloroethoxy)methane	27	U	22	100
Bis(2-chloroethyl)ether	3.3	U	2.0	100
bis (2-chloroisopropyl) ether	27	U	9.5	100
Bis(2-ethylhexyl) phthalate	27	U	19	70
4-Bromophenyl phenyl ether	27	U	13	50
Butyl benzyl phthalate	27	U	10	70
Carbazole	27	U	27	50
4-Chloroaniline	27	U	17	150
4-Chloro-3-methylphenol	27	U	21	150
2-Chloronaphthalene	3.3	U	3.3	50
2-Chlorophenol	27	U	27	50
4-Chlorophenyl phenyl ether	27	U	13	50
Chrysene	3.3	U	1.1	6.7
Dibenz(a,h)anthracene	3.3	U	3.3	6.7
Dibenzofuran	3.3	U	3.3	50
1,2-Dichlorobenzene	27	U	9.7	50
1,3-Dichlorobenzene	27	U	11	50
1,4-Dichlorobenzene	27	U	20	50
3,3'-Dichlorobenzidine	80	U	18	100
2,4-Dichlorophenol	27	U	20	150
Diethyl phthalate	27	U	16	70
2,4-Dimethylphenol	80	U	20	150
Dimethyl phthalate	27	U	17	70
Di-n-butyl phthalate	24.5	J	15	70
4,6-Dinitro-2-methylphenol	80	U	80	150
2,4-Dinitrophenol	80	U	80	330
2,4-Dinitrotoluene	27	U	27	200
2,6-Dinitrotoluene	27	U	21	200
Di-n-octyl phthalate	27	U	27	70
Fluoranthene	3.3	U	3.3	6.7
Fluorene	3.3	U	3.3	6.7
Hexachlorobenzene	3.3	U	2.1	6.7
Hexachlorobutadiene	27	U	27	50
Hexachlorocyclopentadiene	27	U	27	330
Hexachloroethane	27	U	9.0	50

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 240-81754

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-81754/21-A	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-81754	Lab File ID:	30421004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/21/2013 1214	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Indeno[1,2,3-cd]pyrene	3.3	U	3.3	6.7
Isophorone	27	U	13	50
2-Methylnaphthalene	3.3	U	3.3	6.7
2-Methylphenol	80	U	80	200
3 & 4 Methylphenol	80	U	20	400
Naphthalene	3.3	U	3.3	6.7
2-Nitroaniline	27	U	9.1	200
3-Nitroaniline	80	U	16	200
4-Nitroaniline	27	U	26	200
Nitrobenzene	3.3	U	2.2	100
2-Nitrophenol	27	U	27	50
4-Nitrophenol	80	U	80	330
N-Nitrosodi-n-propylamine	27	U	27	50
N-Nitrosodiphenylamine	27	U	21	50
Pentachlorophenol	80	U	80	150
Phenanthrene	3.3	U	3.3	6.7
Phenol	27	U	27	50
Pyrene	3.3	U	3.3	6.7
1,2,4-Trichlorobenzene	27	U	27	50
2,4,5-Trichlorophenol	27	U	25	150
2,4,6-Trichlorophenol	80	U	80	150

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	50	45 - 105
2-Fluorophenol (Surr)	47	35 - 105
Nitrobenzene-d5 (Surr)	50	35 - 100
Phenol-d5 (Surr)	53	40 - 100
Terphenyl-d14 (Surr)	61	30 - 125
2,4,6-Tribromophenol (Surr)	40	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Control Sample - Batch: 240-81754

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-81754/22-A	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-81754	Lab File ID:	30421005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/21/2013 1240	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	408	61	45 - 110	
Acenaphthylene	667	417	63	45 - 105	
Anthracene	667	509	76	55 - 105	
Benzo[a]anthracene	667	533	80	50 - 110	
Benzo[a]pyrene	667	479	72	50 - 110	
Benzo[b]fluoranthene	667	520	78	45 - 115	
Benzo[g,h,i]perylene	667	501	75	40 - 125	
Benzoic acid	667	330	18	0 - 110	U
Benzo[k]fluoranthene	667	498	75	45 - 125	
Benzyl alcohol	667	409	61	20 - 125	
Bis(2-chloroethoxy)methane	667	402	60	45 - 110	
Bis(2-chloroethyl)ether	667	379	57	40 - 105	
bis (2-chloroisopropyl) ether	667	397	60	20 - 115	
Bis(2-ethylhexyl) phthalate	667	600	90	45 - 125	
4-Bromophenyl phenyl ether	667	554	83	45 - 115	
Butyl benzyl phthalate	667	573	86	50 - 125	
Carbazole	667	571	86	45 - 115	
4-Chloroaniline	667	343	51	10 - 110	
4-Chloro-3-methylphenol	667	461	69	45 - 115	
2-Chloronaphthalene	667	391	59	45 - 105	
2-Chlorophenol	667	420	63	45 - 105	
4-Chlorophenyl phenyl ether	667	471	71	45 - 110	
Chrysene	667	549	82	55 - 110	
Dibenz(a,h)anthracene	667	514	77	40 - 125	
Dibenzofuran	667	434	65	50 - 105	
1,2-Dichlorobenzene	667	390	59	45 - 110	
1,3-Dichlorobenzene	667	378	57	40 - 100	
1,4-Dichlorobenzene	667	385	58	35 - 105	
3,3'-Dichlorobenzidine	667	374	56	10 - 130	
2,4-Dichlorophenol	667	397	60	45 - 110	
Diethyl phthalate	667	470	71	50 - 115	
2,4-Dimethylphenol	667	333	50	30 - 105	
Dimethyl phthalate	667	500	75	50 - 110	
Di-n-butyl phthalate	667	611	92	55 - 110	
4,6-Dinitro-2-methylphenol	667	538	81	30 - 135	
2,4-Dinitrophenol	667	459	69	15 - 130	
2,4-Dinitrotoluene	667	509	76	50 - 115	
2,6-Dinitrotoluene	667	520	78	50 - 110	
Di-n-octyl phthalate	667	478	72	40 - 130	
Fluoranthene	667	605	91	55 - 115	
Fluorene	667	471	71	50 - 110	
Hexachlorobenzene	667	584	88	45 - 120	
Hexachlorobutadiene	667	375	56	40 - 115	
Hexachloroethane	667	381	57	35 - 110	
Indeno[1,2,3-cd]pyrene	667	507	76	40 - 120	
Isophorone	667	382	57	45 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Control Sample - Batch: 240-81754

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-81754/22-A	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-81754	Lab File ID:	30421005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/21/2013 1240	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	385	58	45 - 105	
2-Methylphenol	667	406	61	40 - 105	
3 & 4 Methylphenol	1330	838	63	40 - 105	
Naphthalene	667	381	57	40 - 105	
2-Nitroaniline	667	516	77	45 - 120	
3-Nitroaniline	667	433	65	25 - 110	
4-Nitroaniline	667	473	71	35 - 115	
Nitrobenzene	667	393	59	40 - 115	
2-Nitrophenol	667	407	61	40 - 110	
4-Nitrophenol	667	574	86	15 - 140	
N-Nitrosodi-n-propylamine	667	396	59	40 - 115	
N-Nitrosodiphenylamine	667	544	82	50 - 115	
Pentachlorophenol	667	456	68	25 - 120	
Phenanthrene	667	503	75	50 - 110	
Phenol	667	419	63	40 - 100	
Pyrene	667	591	89	45 - 125	
1,2,4-Trichlorobenzene	667	380	57	45 - 110	
2,4,5-Trichlorophenol	667	474	71	50 - 110	
2,4,6-Trichlorophenol	667	411	62	45 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	53	45 - 105
2-Fluorophenol (Surr)	55	35 - 105
Nitrobenzene-d5 (Surr)	54	35 - 100
Phenol-d5 (Surr)	57	40 - 100
Terphenyl-d14 (Surr)	63	30 - 125
2,4,6-Tribromophenol (Surr)	62	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-81754

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-22663-44	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-81754	Lab File ID:	30421020.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.32 g
Analysis Date:	04/21/2013 1911			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

MSD Lab Sample ID:	240-22663-44	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-81754	Lab File ID:	30421021.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.28 g
Analysis Date:	04/21/2013 1938			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	64	67	45 - 110	5	30	D	D
Acenaphthylene	65	64	45 - 105	1	30	D	D
Anthracene	67	65	55 - 105	4	30	D	D
Benzo[a]anthracene	81	73	50 - 110	11	30	D	D
Benzo[a]pyrene	65	59	50 - 110	10	30	D	D
Benzo[b]fluoranthene	71	61	45 - 115	15	30	D	D
Benzo[g,h,i]perylene	78	67	40 - 125	14	30	D	D
Benzoic acid	NC	NC	0 - 110	NC	30	U	U
Benzo[k]fluoranthene	70	62	45 - 125	11	30	D	D
Benzyl alcohol	58	60	20 - 125	2	30	J D	J D
Bis(2-chloroethoxy)methane	60	57	45 - 110	6	30	J D	J D
Bis(2-chloroethyl)ether	56	55	40 - 105	1	30	J D	J D
bis (2-chloroisopropyl) ether	56	57	20 - 115	2	30	J D	J D
Bis(2-ethylhexyl) phthalate	96	82	45 - 125	15	30	D	D
4-Bromophenyl phenyl ether	78	70	45 - 115	11	30	D	D
Butyl benzyl phthalate	85	75	50 - 125	12	30	D	D
Carbazole	76	71	45 - 115	6	30	D	D
4-Chloroaniline	49	46	10 - 95	7	30	J D	J D
4-Chloro-3-methylphenol	71	68	45 - 115	4	30	J D	J D
2-Chloronaphthalene	61	61	45 - 105	0	30	D	D
2-Chlorophenol	63	61	45 - 105	3	30	D	D
4-Chlorophenyl phenyl ether	73	73	45 - 110	0	30	D	D
Chrysene	87	77	55 - 110	12	30	D	D
Dibenz(a,h)anthracene	80	69	40 - 125	15	30	D M	D
Dibenzofuran	69	68	50 - 105	0	30	D	D
1,2-Dichlorobenzene	58	57	45 - 95	3	30	D	D
1,3-Dichlorobenzene	56	55	40 - 100	2	30	D	D
1,4-Dichlorobenzene	55	55	35 - 105	0	30	D	D
3,3'-Dichlorobenzidine	43	34	10 - 130	23	30	J D	J D
2,4-Dichlorophenol	63	65	45 - 110	4	30	J D	J D
Diethyl phthalate	83	80	50 - 115	5	30	D	D
2,4-Dimethylphenol	24	28	30 - 105	16	30	J D	D J
Dimethyl phthalate	77	74	50 - 110	4	30	D	D

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-81754

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-22663-44	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-81754	Lab File ID:	30421020.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.32 g
Analysis Date:	04/21/2013 1911			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

MSD Lab Sample ID:	240-22663-44	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-81754	Lab File ID:	30421021.D
Dilution:	5.0	Leach Batch:	240-80915	Initial Weight/Volume:	30.28 g
Analysis Date:	04/21/2013 1938			Final Weight/Volume:	2 mL
Prep Date:	04/12/2013 1315			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Di-n-butyl phthalate	63	57	55 - 110	7	30	D	D
4,6-Dinitro-2-methylphenol	0	71	30 - 135	200	30	U J	D J
2,4-Dinitrophenol	0	0	15 - 130	NC	30	U J	U J
2,4-Dinitrotoluene	74	70	50 - 115	5	30	J D	J D
2,6-Dinitrotoluene	70	75	50 - 110	6	30	J D	J D
Di-n-octyl phthalate	74	66	40 - 130	10	30	D	D
Fluoranthene	68	62	55 - 115	9	30	D	D
Fluorene	74	73	50 - 110	2	30	D	D
Hexachlorobenzene	76	67	45 - 120	12	30	D	D
Hexachlorobutadiene	60	56	40 - 115	7	30	D	D
Hexachloroethane	51	53	35 - 110	4	30	D	D
Indeno[1,2,3-cd]pyrene	77	65	40 - 120	16	30	D	D M
Isophorone	55	55	45 - 110	1	30	D	D
2-Methylnaphthalene	59	60	45 - 105	3	30	D	D
2-Methylphenol	0	0	40 - 105	NC	30	U J	U J
3 & 4 Methylphenol	59	64	40 - 105	9	30	J D	J D
Naphthalene	60	59	40 - 105	2	30	D	D
2-Nitroaniline	70	69	45 - 120	1	30	J D	J D
3-Nitroaniline	64	61	25 - 110	5	30	J D	J D
4-Nitroaniline	92	84	35 - 115	8	30	J D	J D
Nitrobenzene	58	56	40 - 115	4	30	J D	J D
2-Nitrophenol	60	55	40 - 110	8	30	D	D
4-Nitrophenol	0	0	15 - 140	NC	30	U J	U J
N-Nitrosodi-n-propylamine	54	57	40 - 115	5	30	D	D
N-Nitrosodiphenylamine	78	72	50 - 115	7	30	D	D
Pentachlorophenol	71	83	25 - 120	15	30	J D	J D
Phenanthrene	76	69	50 - 110	10	30	D	D
Phenol	61	62	40 - 100	1	30	D	D
Pyrene	85	76	45 - 125	10	30	D	D
1,2,4-Trichlorobenzene	58	58	45 - 110	0	30	D	D
2,4,5-Trichlorophenol	70	67	50 - 110	5	30	J D	J D
2,4,6-Trichlorophenol	62	64	45 - 110	5	30	J D	J D

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	52	54	45 - 105
2-Fluorophenol (Surr)	55	52	35 - 105
Nitrobenzene-d5 (Surr)	52	49	35 - 100
Phenol-d5 (Surr)	58	57	40 - 100
Terphenyl-d14 (Surr)	61	53	30 - 125
2,4,6-Tribromophenol (Surr)	75	66	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-81754

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-22663-44	Units: ug/Kg	MSD Lab Sample ID:	240-22663-44	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	5.0		Dilution:	5.0	
Analysis Date:	04/21/2013 1911		Analysis Date:	04/21/2013 1938	
Prep Date:	04/12/2013 1315		Prep Date:	04/12/2013 1315	
Leach Date:	04/02/2013 1500		Leach Date:	04/02/2013 1500	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	16	U	660	661	422	D	444	D
Acenaphthylene	16	U	660	661	426	D	421	D
Anthracene	16	U	660	661	444	D	427	D
Benzo[a]anthracene	16	U	660	661	537	D	479	D
Benzo[a]pyrene	16	U	660	661	428	D	388	D
Benzo[b]fluoranthene	21	J	660	661	491	D	424	D
Benzo[g,h,i]perylene	16	U	660	661	514	D	445	D
Benzoic acid	1600	U	660	661	1600	U	1600	U
Benzo[k]fluoranthene	16	U	660	661	461	D	411	D
Benzyl alcohol	130	U	660	661	384	J D	393	J D
Bis(2-chloroethoxy)methane	130	U	660	661	398	J D	376	J D
Bis(2-chloroethyl)ether	16	U	660	661	370	J D	364	J D
bis (2-chloroisopropyl) ether	130	U	660	661	369	J D	377	J D
Bis(2-ethylhexyl) phthalate	130	U	660	661	630	D	543	D
4-Bromophenyl phenyl ether	130	U	660	661	512	D	459	D
Butyl benzyl phthalate	130	U	660	661	561	D	498	D
Carbazole	130	U	660	661	499	D	468	D
4-Chloroaniline	130	U	660	661	326	J D	305	J D
4-Chloro-3-methylphenol	130	U	660	661	466	J D	450	J D
2-Chloronaphthalene	16	U	660	661	405	D	404	D
2-Chlorophenol	130	U	660	661	413	D	401	D
4-Chlorophenyl phenyl ether	130	U	660	661	481	D	479	D
Chrysene	16	U	660	661	575	D	509	D
Dibenz(a,h)anthracene	16	U	660	661	526	D M	453	D
Dibenzofuran	16	U	660	661	453	D	451	D
1,2-Dichlorobenzene	130	U	660	661	383	D	373	D
1,3-Dichlorobenzene	130	U	660	661	371	D	363	D
1,4-Dichlorobenzene	130	U	660	661	362	D	361	D
3,3'-Dichlorobenzidine	390	U	660	661	285	J D	227	J D
2,4-Dichlorophenol	130	U	660	661	413	J D	430	J D
Diethyl phthalate	130	U	660	661	550	D	525	D
2,4-Dimethylphenol	390	U	660	661	156	J D	183	D J
Dimethyl phthalate	130	U	660	661	509	D	489	D
Di-n-butyl phthalate	110	J	660	661	528	D	492	D
4,6-Dinitro-2-methylphenol	390	U	660	661	400	U J	471	D J
2,4-Dinitrophenol	390	U	660	661	400	U J	400	U J
2,4-Dinitrotoluene	130	U	660	661	485	J D	460	J D
2,6-Dinitrotoluene	130	U	660	661	465	J D	493	J D
Di-n-octyl phthalate	130	U	660	661	486	D	438	D
Fluoranthene	28	J	660	661	480	D	441	D
Fluorene	16	U	660	661	491	D	482	D
Hexachlorobenzene	16	U	660	661	502	D	446	D
Hexachlorobutadiene	130	U	660	661	394	D	369	D

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-81754

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-22663-44	Units:	ug/Kg	MSD Lab Sample ID:	240-22663-44
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	04/21/2013 1911			Analysis Date:	04/21/2013 1938
Prep Date:	04/12/2013 1315			Prep Date:	04/12/2013 1315
Leach Date:	04/02/2013 1500			Leach Date:	04/02/2013 1500

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Hexachloroethane	130	U	660	661	334	D	348	D
Indeno[1,2,3-cd]pyrene	16	U	660	661	505	D	430	D M
Isophorone	130	U	660	661	363	D	361	D
2-Methylnaphthalene	16	U	660	661	387	D	399	D
2-Methylphenol	390	U	660	661	400	U J	400	U J
3 & 4 Methylphenol	390	U	1320	1320	775	J D	846	J D
Naphthalene	16	U	660	661	398	D	388	D
2-Nitroaniline	130	U	660	661	459	J D	453	J D
3-Nitroaniline	390	U	660	661	424	J D	403	J D
4-Nitroaniline	130	U	660	661	604	J D	556	J D
Nitrobenzene	16	U	660	661	385	J D	369	J D
2-Nitrophenol	130	U	660	661	396	D	366	D
4-Nitrophenol	390	U	660	661	400	U J	400	U J
N-Nitrosodi-n-propylamine	130	U	660	661	358	D	375	D
N-Nitrosodiphenylamine	130	U	660	661	511	D	474	D
Pentachlorophenol	390	U	660	661	470	J D	548	J D
Phenanthrene	16	U	660	661	502	D	454	D
Phenol	130	U	660	661	405	D	409	D
Pyrene	17	J	660	661	575	D	519	D
1,2,4-Trichlorobenzene	130	U	660	661	386	D	386	D
2,4,5-Trichlorophenol	130	U	660	661	465	J D	443	J D
2,4,6-Trichlorophenol	390	U	660	661	406	J D	425	J D

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82876 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-82876/3	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30421003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/21/2013 1142	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	4.95	99	70 - 130	
Acenaphthylene	5.00	4.86	97	70 - 130	
Anthracene	5.00	5.08	102	70 - 130	
Benzo[a]anthracene	5.00	4.95	99	70 - 130	
Benzo[a]pyrene	5.00	4.97	99	70 - 130	
Benzo[b]fluoranthene	5.00	5.12	102	70 - 130	
Benzo[g,h,i]perylene	5.00	4.99	100	70 - 130	
Benzoic acid	10.0	9.53	95	70 - 130	
Benzo[k]fluoranthene	5.00	4.89	98	70 - 130	
Benzyl alcohol	5.00	5.28	106	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.27	105	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.15	103	70 - 130	
bis (2-chloroisopropyl) ether	5.00	5.16	103	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.30	106	70 - 130	
4-Bromophenyl phenyl ether	5.00	6.21	124	70 - 130	
Butyl benzyl phthalate	5.00	5.19	104	70 - 130	
Carbazole	5.00	5.23	105	70 - 130	
4-Chloroaniline	5.00	5.15	103	70 - 130	
4-Chloro-3-methylphenol	5.00	5.11	102	70 - 130	
2-Chloronaphthalene	5.00	4.82	96	70 - 130	
2-Chlorophenol	5.00	5.17	103	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.32	106	70 - 130	
Chrysene	5.00	5.01	100	70 - 130	
Dibenz(a,h)anthracene	5.00	5.15	103	70 - 130	
Dibenzofuran	5.00	4.95	99	70 - 130	
1,2-Dichlorobenzene	5.00	5.12	102	70 - 130	
1,3-Dichlorobenzene	5.00	5.11	102	70 - 130	
1,4-Dichlorobenzene	5.00	5.09	102	70 - 130	
3,3'-Dichlorobenzidine	10.0	10.7	107	70 - 130	
2,4-Dichlorophenol	5.00	5.16	103	70 - 130	
Diethyl phthalate	5.00	4.86	97	70 - 130	
2,4-Dimethylphenol	5.00	5.08	102	70 - 130	
Dimethyl phthalate	5.00	5.28	106	70 - 130	
Di-n-butyl phthalate	5.00	5.50	110	70 - 130	
4,6-Dinitro-2-methylphenol	10.0	10.0	100	70 - 130	
2,4-Dinitrophenol	10.0	9.93	99	70 - 130	
2,4-Dinitrotoluene	5.00	5.18	104	70 - 130	
2,6-Dinitrotoluene	5.00	5.32	106	70 - 130	
Di-n-octyl phthalate	5.00	4.68	94	70 - 130	
Fluoranthene	5.00	5.38	108	70 - 130	
Fluorene	5.00	5.09	102	70 - 130	
Hexachlorobenzene	5.00	5.98	120	70 - 130	
Hexachlorobutadiene	5.00	5.05	101	70 - 130	
Hexachloroethane	5.00	5.09	102	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.06	101	70 - 130	
Isophorone	5.00	5.13	103	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82876 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-82876/3	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30421003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/21/2013 1142	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	5.00	5.12	102	70 - 130	
2-Methylphenol	5.00	5.29	106	70 - 130	
3 & 4 Methylphenol	5.00	5.20	104	70 - 130	
Naphthalene	5.00	4.99	100	70 - 130	
2-Nitroaniline	5.00	5.19	104	70 - 130	
3-Nitroaniline	5.00	5.13	103	70 - 130	
4-Nitroaniline	5.00	4.57	91	70 - 130	
Nitrobenzene	5.00	5.11	102	70 - 130	
2-Nitrophenol	5.00	5.34	107	70 - 130	
4-Nitrophenol	10.0	9.41	94	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.31	106	70 - 130	
N-Nitrosodiphenylamine	10.0	11.6	116	70 - 130	
Pentachlorophenol	10.0	9.46	95	70 - 130	
Phenanthrene	5.00	4.89	98	70 - 130	
Phenol	5.00	5.02	100	70 - 130	
Pyrene	5.00	5.44	109	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.11	102	70 - 130	
2,4,5-Trichlorophenol	5.00	4.88	98	70 - 130	
2,4,6-Trichlorophenol	5.00	5.07	101	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	94		50 - 150
2-Fluorophenol (Surr)	99		50 - 150
Nitrobenzene-d5 (Surr)	100		50 - 150
Phenol-d5 (Surr)	103	Q	50 - 150
Terphenyl-d14 (Surr)	101		50 - 150
2,4,6-Tribromophenol (Surr)	102		50 - 150

Method Reporting Limit Check - Batch: 240-82876 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-82876/23	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30421023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/21/2013 2030	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	4.90	98	70 - 130	
Acenaphthylene	5.00	4.94	99	70 - 130	
Anthracene	5.00	4.95	99	70 - 130	
Benzo[a]anthracene	5.00	4.94	99	70 - 130	
Benzo[a]pyrene	5.00	4.97	99	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82876 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-82876/23	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30421023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/21/2013 2030	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzo[b]fluoranthene	5.00	4.96	99	70 - 130	
Benzo[g,h,i]perylene	5.00	5.03	101	70 - 130	
Benzoic acid	10.0	9.11	91	70 - 130	
Benzo[k]fluoranthene	5.00	4.75	95	70 - 130	
Benzyl alcohol	5.00	5.16	103	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.95	99	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.71	94	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.89	98	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.30	106	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.74	115	70 - 130	
Butyl benzyl phthalate	5.00	5.17	103	70 - 130	
Carbazole	5.00	5.32	106	70 - 130	
4-Chloroaniline	5.00	5.10	102	70 - 130	
4-Chloro-3-methylphenol	5.00	5.06	101	70 - 130	
2-Chloronaphthalene	5.00	4.80	96	70 - 130	
2-Chlorophenol	5.00	5.10	102	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.23	105	70 - 130	
Chrysene	5.00	4.87	97	70 - 130	
Dibenz(a,h)anthracene	5.00	5.22	104	70 - 130	
Dibenzofuran	5.00	4.92	98	70 - 130	
1,2-Dichlorobenzene	5.00	5.08	102	70 - 130	
1,3-Dichlorobenzene	5.00	5.10	102	70 - 130	
1,4-Dichlorobenzene	5.00	5.05	101	70 - 130	
3,3'-Dichlorobenzidine	10.0	11.0	110	70 - 130	
2,4-Dichlorophenol	5.00	4.92	98	70 - 130	
Diethyl phthalate	5.00	4.71	94	70 - 130	
2,4-Dimethylphenol	5.00	4.89	98	70 - 130	
Dimethyl phthalate	5.00	5.27	105	70 - 130	
Di-n-butyl phthalate	5.00	5.57	111	70 - 130	
4,6-Dinitro-2-methylphenol	10.0	7.98	80	70 - 130	
2,4-Dinitrophenol	10.0	6.26	63	70 - 130	^
2,4-Dinitrotoluene	5.00	4.68	94	70 - 130	
2,6-Dinitrotoluene	5.00	5.26	105	70 - 130	
Di-n-octyl phthalate	5.00	4.38	88	70 - 130	
Fluoranthene	5.00	5.35	107	70 - 130	
Fluorene	5.00	5.12	102	70 - 130	
Hexachlorobenzene	5.00	5.75	115	70 - 130	
Hexachlorobutadiene	5.00	5.04	101	70 - 130	
Hexachloroethane	5.00	4.81	96	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.07	101	70 - 130	
Isophorone	5.00	4.89	98	70 - 130	
2-Methylnaphthalene	5.00	4.99	100	70 - 130	
2-Methylphenol	5.00	5.12	102	70 - 130	
3 & 4 Methylphenol	5.00	5.18	104	70 - 130	
Naphthalene	5.00	4.93	99	70 - 130	
2-Nitroaniline	5.00	5.01	100	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82876

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-82876/23	Analysis Batch:	240-82876	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	30421023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/21/2013 2030	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
3-Nitroaniline	5.00	5.16	103	70 - 130	
4-Nitroaniline	5.00	4.75	95	70 - 130	
Nitrobenzene	5.00	4.79	96	70 - 130	
2-Nitrophenol	5.00	5.11	102	70 - 130	
4-Nitrophenol	10.0	9.22	92	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.12	102	70 - 130	
N-Nitrosodiphenylamine	10.0	11.2	112	70 - 130	
Pentachlorophenol	10.0	9.82	98	70 - 130	
Phenanthrene	5.00	4.75	95	70 - 130	
Phenol	5.00	4.97	99	70 - 130	
Pyrene	5.00	5.41	108	70 - 130	
1,2,4-Trichlorobenzene	5.00	4.91	98	70 - 130	
2,4,5-Trichlorophenol	5.00	4.93	99	70 - 130	
2,4,6-Trichlorophenol	5.00	4.98	100	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	95	50 - 150
2-Fluorophenol (Surr)	96	50 - 150
Nitrobenzene-d5 (Surr)	93	50 - 150
Phenol-d5 (Surr)	98	50 - 150
Terphenyl-d14 (Surr)	101	50 - 150
2,4,6-Tribromophenol (Surr)	95	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82940

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-82940/3	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30422003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/22/2013 0959	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	5.08	102	70 - 130	
Acenaphthylene	5.00	4.97	99	70 - 130	
Anthracene	5.00	5.15	103	70 - 130	
Benzo[a]anthracene	5.00	4.97	99	70 - 130	
Benzo[a]pyrene	5.00	5.05	101	70 - 130	
Benzo[b]fluoranthene	5.00	4.95	99	70 - 130	
Benzo[g,h,i]perylene	5.00	5.09	102	70 - 130	
Benzoic acid	10.0	9.45	94	70 - 130	
Benzo[k]fluoranthene	5.00	5.03	101	70 - 130	
Benzyl alcohol	5.00	4.72	94	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.98	100	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.67	93	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.87	97	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.09	102	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.63	113	70 - 130	
Butyl benzyl phthalate	5.00	5.05	101	70 - 130	
Carbazole	5.00	4.98	100	70 - 130	
4-Chloroaniline	5.00	5.18	104	70 - 130	
4-Chloro-3-methylphenol	5.00	5.15	103	70 - 130	
2-Chloronaphthalene	5.00	4.85	97	70 - 130	
2-Chlorophenol	5.00	5.00	100	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.18	104	70 - 130	
Chrysene	5.00	5.02	100	70 - 130	
Dibenz(a,h)anthracene	5.00	5.20	104	70 - 130	
Dibenzofuran	5.00	4.98	100	70 - 130	
1,2-Dichlorobenzene	5.00	4.95	99	70 - 130	
1,3-Dichlorobenzene	5.00	5.08	102	70 - 130	
1,4-Dichlorobenzene	5.00	4.90	98	70 - 130	
3,3'-Dichlorobenzidine	10.0	10.5	105	70 - 130	
2,4-Dichlorophenol	5.00	5.05	101	70 - 130	
Diethyl phthalate	5.00	4.95	99	70 - 130	
2,4-Dimethylphenol	5.00	4.94	99	70 - 130	
Dimethyl phthalate	5.00	5.31	106	70 - 130	
Di-n-butyl phthalate	5.00	5.19	104	70 - 130	
4,6-Dinitro-2-methylphenol	10.0	9.93	99	70 - 130	
2,4-Dinitrophenol	10.0	10.3	103	70 - 130	
2,4-Dinitrotoluene	5.00	5.14	103	70 - 130	
2,6-Dinitrotoluene	5.00	5.24	105	70 - 130	
Di-n-octyl phthalate	5.00	4.36	87	70 - 130	
Fluoranthene	5.00	5.16	103	70 - 130	
Fluorene	5.00	5.13	103	70 - 130	
Hexachlorobenzene	5.00	5.65	113	70 - 130	
Hexachlorobutadiene	5.00	4.97	99	70 - 130	
Hexachloroethane	5.00	4.98	100	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.16	103	70 - 130	
Isophorone	5.00	5.04	101	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82940 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-82940/3	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30422003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/22/2013 0959	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	5.00	4.97	99	70 - 130	
2-Methylphenol	5.00	4.82	96	70 - 130	
3 & 4 Methylphenol	5.00	4.94	99	70 - 130	
Naphthalene	5.00	4.99	100	70 - 130	
2-Nitroaniline	5.00	5.46	109	70 - 130	
3-Nitroaniline	5.00	5.29	106	70 - 130	
4-Nitroaniline	5.00	4.72	94	70 - 130	
Nitrobenzene	5.00	5.02	100	70 - 130	
2-Nitrophenol	5.00	5.15	103	70 - 130	
4-Nitrophenol	10.0	9.59	96	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.01	100	70 - 130	
N-Nitrosodiphenylamine	10.0	11.1	111	70 - 130	
Pentachlorophenol	10.0	9.65	97	70 - 130	
Phenanthrene	5.00	4.90	98	70 - 130	
Phenol	5.00	4.93	99	70 - 130	
Pyrene	5.00	5.31	106	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.04	101	70 - 130	
2,4,5-Trichlorophenol	5.00	5.29	106	70 - 130	
2,4,6-Trichlorophenol	5.00	5.08	102	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	95	50 - 150
2-Fluorophenol (Surr)	95	50 - 150
Nitrobenzene-d5 (Surr)	100	50 - 150
Phenol-d5 (Surr)	97	50 - 150
Terphenyl-d14 (Surr)	101	50 - 150
2,4,6-Tribromophenol (Surr)	104	50 - 150

Method Reporting Limit Check - Batch: 240-82940 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-82940/19	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30422019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/22/2013 1700	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	5.06	101	70 - 130	
Acenaphthylene	5.00	5.01	100	70 - 130	
Anthracene	5.00	5.00	100	70 - 130	
Benzo[a]anthracene	5.00	4.89	98	70 - 130	
Benzo[a]pyrene	5.00	5.09	102	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82940 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-82940/19	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30422019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/22/2013 1700	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzo[b]fluoranthene	5.00	4.94	99	70 - 130	
Benzo[g,h,i]perylene	5.00	5.34	107	70 - 130	
Benzoic acid	10.0	9.07	91	70 - 130	
Benzo[k]fluoranthene	5.00	4.96	99	70 - 130	
Benzyl alcohol	5.00	4.86	97	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.91	98	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.84	97	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.71	94	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.38	108	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.58	112	70 - 130	
Butyl benzyl phthalate	5.00	5.22	104	70 - 130	
Carbazole	5.00	4.97	99	70 - 130	
4-Chloroaniline	5.00	5.02	100	70 - 130	
4-Chloro-3-methylphenol	5.00	4.95	99	70 - 130	
2-Chloronaphthalene	5.00	4.88	98	70 - 130	
2-Chlorophenol	5.00	4.89	98	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.14	103	70 - 130	
Chrysene	5.00	4.93	99	70 - 130	
Dibenz(a,h)anthracene	5.00	5.21	104	70 - 130	
Dibenzofuran	5.00	5.00	100	70 - 130	
1,2-Dichlorobenzene	5.00	4.99	100	70 - 130	
1,3-Dichlorobenzene	5.00	4.93	99	70 - 130	
1,4-Dichlorobenzene	5.00	4.78	96	70 - 130	
3,3'-Dichlorobenzidine	10.0	11.0	110	70 - 130	
2,4-Dichlorophenol	5.00	4.87	97	70 - 130	
Diethyl phthalate	5.00	5.01	100	70 - 130	
2,4-Dimethylphenol	5.00	4.95	99	70 - 130	
Dimethyl phthalate	5.00	5.36	107	70 - 130	
Di-n-butyl phthalate	5.00	5.28	106	70 - 130	
4,6-Dinitro-2-methylphenol	10.0	9.12	91	70 - 130	
2,4-Dinitrophenol	10.0	8.69	87	70 - 130	
2,4-Dinitrotoluene	5.00	5.08	102	70 - 130	
2,6-Dinitrotoluene	5.00	5.36	107	70 - 130	
Di-n-octyl phthalate	5.00	4.57	91	70 - 130	
Fluoranthene	5.00	5.24	105	70 - 130	
Fluorene	5.00	5.16	103	70 - 130	
Hexachlorobenzene	5.00	5.54	111	70 - 130	
Hexachlorobutadiene	5.00	5.00	100	70 - 130	
Hexachloroethane	5.00	4.90	98	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.23	105	70 - 130	
Isophorone	5.00	4.85	97	70 - 130	
2-Methylnaphthalene	5.00	4.90	98	70 - 130	
2-Methylphenol	5.00	5.06	101	70 - 130	
3 & 4 Methylphenol	5.00	5.10	102	70 - 130	
Naphthalene	5.00	4.86	97	70 - 130	
2-Nitroaniline	5.00	5.25	105	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82940

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-82940/19	Analysis Batch:	240-82940	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30422019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/22/2013 1700	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
3-Nitroaniline	5.00	5.33	107	70 - 130	
4-Nitroaniline	5.00	4.59	92	70 - 130	
Nitrobenzene	5.00	4.85	97	70 - 130	
2-Nitrophenol	5.00	5.01	100	70 - 130	
4-Nitrophenol	10.0	10.1	101	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.91	98	70 - 130	
N-Nitrosodiphenylamine	10.0	11.0	110	70 - 130	
Pentachlorophenol	10.0	10.0	100	70 - 130	
Phenanthrene	5.00	4.86	97	70 - 130	
Phenol	5.00	4.76	95	70 - 130	
Pyrene	5.00	5.40	108	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.09	102	70 - 130	
2,4,5-Trichlorophenol	5.00	5.24	105	70 - 130	
2,4,6-Trichlorophenol	5.00	5.09	102	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	97	50 - 150
2-Fluorophenol (Surr)	95	50 - 150
Nitrobenzene-d5 (Surr)	95	50 - 150
Phenol-d5 (Surr)	96	50 - 150
Terphenyl-d14 (Surr)	101	50 - 150
2,4,6-Tribromophenol (Surr)	108	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 240-81726

Method: 8081/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-81726/21-A	Analysis Batch:	240-82685	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-81726	Lab File ID:	P3041914.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/19/2013 1517	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/12/2013 1107			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
4,4'-DDD	0.67	U	0.62	2.0
4,4'-DDE	0.67	U	0.39	1.7
4,4'-DDT	0.67	U	0.63	2.0
Aldrin	1.3	U	1.2	4.0
alpha-BHC	1.3	U	0.73	2.5
alpha-Chlordane	1.3	U	0.94	3.0
beta-BHC	1.3	U	1.1	3.5
delta-BHC	1.3	U	1.2	4.0
Dieldrin	0.67	U	0.47	1.7
Endosulfan I	0.67	U	0.52	1.7
Endosulfan II	1.3	U	0.82	2.5
Endosulfan sulfate	1.3	U	0.87	3.0
Endrin	0.67	U	0.50	1.7
Endrin aldehyde	1.3	U	1.0	3.0
Endrin ketone	0.67	U	0.63	2.0
gamma-BHC (Lindane)	1.3	U	0.74	2.5
gamma-Chlordane	0.67	U	0.42	1.7
Heptachlor	1.3	U	1.1	3.5
Heptachlor epoxide	1.3	U	0.80	2.5
Methoxychlor	3.3	U	1.5	5.0
Toxaphene	20	U	19	67

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	64		55 - 130
Tetrachloro-m-xylene	59	Q	70 - 125

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	63		55 - 130
Tetrachloro-m-xylene	57	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Control Sample - Batch: 240-81726

Method: 8081/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-81726/22-A	Analysis Batch:	240-82685	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-81726	Lab File ID:	P3041915.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/19/2013 1537	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/12/2013 1107			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	33.3	33.9	102	30 - 135	
4,4'-DDE	33.3	28.1	84	70 - 125	
4,4'-DDT	33.3	32.9	99	45 - 140	
Aldrin	33.3	26.3	79	45 - 140	
alpha-BHC	33.3	30.7	92	60 - 125	
alpha-Chlordane	33.3	28.5	86	65 - 120	
beta-BHC	33.3	29.5	89	60 - 125	
delta-BHC	33.3	31.8	95	55 - 130	
Dieldrin	33.3	32.2	97	65 - 125	
Endosulfan I	33.3	21.7	65	15 - 135	
Endosulfan II	33.3	26.3	79	35 - 140	
Endosulfan sulfate	33.3	30.9	93	60 - 135	
Endrin	33.3	32.4	97	60 - 135	
Endrin aldehyde	33.3	24.9	75	35 - 145	
Endrin ketone	33.3	28.9	87	65 - 135	
gamma-BHC (Lindane)	33.3	31.1	93	60 - 125	
gamma-Chlordane	33.3	31.5	94	65 - 125	
Heptachlor	33.3	33.7	101	50 - 140	
Heptachlor epoxide	33.3	31.5	95	65 - 130	
Methoxychlor	33.3	32.7	98	55 - 145	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	85	55 - 130
Tetrachloro-m-xylene	95	70 - 125

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	85	M	55 - 130
Tetrachloro-m-xylene	102		70 - 125

Method Reporting Limit Check - Batch: 240-82685

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82685/6	Analysis Batch:	240-82685	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3041906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/19/2013 1205	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00539	108	70 - 130	
4,4'-DDE	0.00500	0.00528	106	70 - 130	
4,4'-DDT	0.00500	0.00649	130	70 - 130	
Aldrin	0.00500	0.00525	105	70 - 130	
alpha-BHC	0.00500	0.00515	103	70 - 130	
alpha-Chlordane	0.00500	0.00559	112	70 - 130	
beta-BHC	0.00500	0.00590	118	70 - 130	
delta-BHC	0.00500	0.00527	105	70 - 130	
Dieldrin	0.00500	0.00536	107	70 - 130	
Endosulfan I	0.00500	0.00588	118	70 - 130	
Endosulfan II	0.00500	0.00571	114	70 - 130	
Endosulfan sulfate	0.00500	0.00597	119	70 - 130	
Endrin	0.00500	0.00563	113	70 - 130	
Endrin aldehyde	0.00500	0.00611	122	70 - 130	
Endrin ketone	0.00500	0.00605	121	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00534	107	70 - 130	
gamma-Chlordane	0.00500	0.00558	112	70 - 130	
Heptachlor	0.00500	0.00612	122	70 - 130	
Heptachlor epoxide	0.00500	0.00578	116	70 - 130	
Methoxychlor	0.00500	0.00772	154	70 - 130	J ^

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	124	50 - 150
Tetrachloro-m-xylene	103	50 - 150

Method Reporting Limit Check - Batch: 240-82685

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82685/6	Analysis Batch:	240-82685	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3041906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/19/2013 1205	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00559	112	70 - 130	
4,4'-DDE	0.00500	0.00522	104	70 - 130	
4,4'-DDT	0.00500	0.00667	133	70 - 130	^
Aldrin	0.00500	0.00550	110	70 - 130	
alpha-BHC	0.00500	0.00535	107	70 - 130	
alpha-Chlordane	0.00500	0.00580	116	70 - 130	
beta-BHC	0.00500	0.00654	131	70 - 130	^
delta-BHC	0.00500	0.00571	114	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82685

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82685/6	Analysis Batch:	240-82685	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3041906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/19/2013 1205	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dieldrin	0.00500	0.00562	112	70 - 130	
Endosulfan I	0.00500	0.00611	122	70 - 130	
Endosulfan II	0.00500	0.00657	131	70 - 130	^
Endosulfan sulfate	0.00500	0.00656	131	70 - 130	^
Endrin	0.00500	0.00606	121	70 - 130	
Endrin aldehyde	0.00500	0.00666	133	70 - 130	^
Endrin ketone	0.00500	0.00665	133	70 - 130	^
gamma-BHC (Lindane)	0.00500	0.00574	115	70 - 130	
gamma-Chlordane	0.00500	0.00593	119	70 - 130	
Heptachlor	0.00500	0.00640	128	70 - 130	
Heptachlor epoxide	0.00500	0.00605	121	70 - 130	
Methoxychlor	0.00500	0.00788	158	70 - 130	J ^

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	131	Q	50 - 150
Tetrachloro-m-xylene	96		50 - 150

Method Reporting Limit Check - Batch: 240-82685

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82685/41	Analysis Batch:	240-82685	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3041920.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/19/2013 1718	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00619	124	70 - 130	
4,4'-DDE	0.00500	0.00512	102	70 - 130	
4,4'-DDT	0.00500	0.00409	82	70 - 130	J
Aldrin	0.00500	0.00518	104	70 - 130	
alpha-BHC	0.00500	0.00494	99	70 - 130	J
alpha-Chlordane	0.00500	0.00564	113	70 - 130	
beta-BHC	0.00500	0.00580	116	70 - 130	
delta-BHC	0.00500	0.00513	103	70 - 130	
Dieldrin	0.00500	0.00533	107	70 - 130	
Endosulfan I	0.00500	0.00575	115	70 - 130	
Endosulfan II	0.00500	0.00569	114	70 - 130	
Endosulfan sulfate	0.00500	0.00579	116	70 - 130	
Endrin	0.00500	0.00565	113	70 - 130	
Endrin aldehyde	0.00500	0.00582	116	70 - 130	
Endrin ketone	0.00500	0.00541	108	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00514	103	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82685

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82685/41	Analysis Batch:	240-82685	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3041920.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/19/2013 1718	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
gamma-Chlordane	0.00500	0.00552	110	70 - 130	
Heptachlor	0.00500	0.00577	115	70 - 130	
Heptachlor epoxide	0.00500	0.00566	113	70 - 130	
Methoxychlor	0.00500	0.00543	109	70 - 130	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	120	50 - 150
Tetrachloro-m-xylene	102	50 - 150

Method Reporting Limit Check - Batch: 240-82685

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82685/41	Analysis Batch:	240-82685	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3041920.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/19/2013 1718	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00645	129	70 - 130	
4,4'-DDE	0.00500	0.00508	102	70 - 130	
4,4'-DDT	0.00500	0.00424	85	70 - 130	J
Aldrin	0.00500	0.00543	109	70 - 130	
alpha-BHC	0.00500	0.00521	104	70 - 130	
alpha-Chlordane	0.00500	0.00570	114	70 - 130	
beta-BHC	0.00500	0.00642	128	70 - 130	
delta-BHC	0.00500	0.00553	111	70 - 130	
Dieldrin	0.00500	0.00548	110	70 - 130	
Endosulfan I	0.00500	0.00597	119	70 - 130	
Endosulfan II	0.00500	0.00638	128	70 - 130	
Endosulfan sulfate	0.00500	0.00638	128	70 - 130	
Endrin	0.00500	0.00587	117	70 - 130	
Endrin aldehyde	0.00500	0.00636	127	70 - 130	
Endrin ketone	0.00500	0.00587	117	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00554	111	70 - 130	
gamma-Chlordane	0.00500	0.00578	116	70 - 130	
Heptachlor	0.00500	0.00606	121	70 - 130	
Heptachlor epoxide	0.00500	0.00590	118	70 - 130	
Methoxychlor	0.00500	0.00548	110	70 - 130	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	125	50 - 150
Tetrachloro-m-xylene	95	50 - 150

Method Reporting Limit Check - Batch: 240-82857

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82857/6	Analysis Batch:	240-82857	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3042006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/20/2013 1442	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00381	76	70 - 130	J
4,4'-DDE	0.00500	0.00451	90	70 - 130	J
4,4'-DDT	0.00500	0.00396	79	70 - 130	J
Aldrin	0.00500	0.00431	86	70 - 130	J
alpha-BHC	0.00500	0.00405	81	70 - 130	J
alpha-Chlordane	0.00500	0.00447	89	70 - 130	J
beta-BHC	0.00500	0.00463	93	70 - 130	J
delta-BHC	0.00500	0.00387	77	70 - 130	J
Dieldrin	0.00500	0.00419	84	70 - 130	J
Endosulfan I	0.00500	0.00428	86	70 - 130	J
Endosulfan II	0.00500	0.00409	82	70 - 130	J
Endosulfan sulfate	0.00500	0.00445	89	70 - 130	J
Endrin	0.00500	0.00407	81	70 - 130	J
Endrin aldehyde	0.00500	0.00402	80	70 - 130	J
Endrin ketone	0.00500	0.00403	81	70 - 130	J
gamma-BHC (Lindane)	0.00500	0.00393	79	70 - 130	J
gamma-Chlordane	0.00500	0.00419	84	70 - 130	J
Heptachlor	0.00500	0.00406	81	70 - 130	J
Heptachlor epoxide	0.00500	0.00440	88	70 - 130	J
Methoxychlor	0.00500	0.00458	92	70 - 130	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	113	50 - 150
Tetrachloro-m-xylene	99	50 - 150

Method Reporting Limit Check - Batch: 240-82857

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82857/6	Analysis Batch:	240-82857	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3042006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/20/2013 1442	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00383	77	70 - 130	J
4,4'-DDE	0.00500	0.00439	88	70 - 130	J
4,4'-DDT	0.00500	0.00415	83	70 - 130	J
Aldrin	0.00500	0.00447	89	70 - 130	J
alpha-BHC	0.00500	0.00423	85	70 - 130	J
alpha-Chlordane	0.00500	0.00455	91	70 - 130	J
beta-BHC	0.00500	0.00510	102	70 - 130	
delta-BHC	0.00500	0.00426	85	70 - 130	J

Method Reporting Limit Check - Batch: 240-82857 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82857/6	Analysis Batch:	240-82857	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3042006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/20/2013 1442	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dieldrin	0.00500	0.00429	86	70 - 130	J
Endosulfan I	0.00500	0.00438	88	70 - 130	J
Endosulfan II	0.00500	0.00471	94	70 - 130	J
Endosulfan sulfate	0.00500	0.00478	96	70 - 130	J
Endrin	0.00500	0.00429	86	70 - 130	J
Endrin aldehyde	0.00500	0.00437	87	70 - 130	J
Endrin ketone	0.00500	0.00445	89	70 - 130	J
gamma-BHC (Lindane)	0.00500	0.00427	85	70 - 130	J
gamma-Chlordane	0.00500	0.00448	90	70 - 130	J
Heptachlor	0.00500	0.00429	86	70 - 130	J
Heptachlor epoxide	0.00500	0.00460	92	70 - 130	J
Methoxychlor	0.00500	0.00469	94	70 - 130	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	116	50 - 150
Tetrachloro-m-xylene	93	50 - 150

Method Reporting Limit Check - Batch: 240-82857 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82857/39	Analysis Batch:	240-82857	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3042039.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/21/2013 0146	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00593	119	70 - 130	
4,4'-DDE	0.00500	0.00491	98	70 - 130	J
4,4'-DDT	0.00500	0.0030	26	70 - 130	U ^
Aldrin	0.00500	0.00496	99	70 - 130	J
alpha-BHC	0.00500	0.00460	92	70 - 130	J
alpha-Chlordane	0.00500	0.00508	102	70 - 130	
beta-BHC	0.00500	0.00508	102	70 - 130	
delta-BHC	0.00500	0.00445	89	70 - 130	J
Dieldrin	0.00500	0.00491	98	70 - 130	J
Endosulfan I	0.00500	0.00487	97	70 - 130	J
Endosulfan II	0.00500	0.00483	97	70 - 130	J
Endosulfan sulfate	0.00500	0.00519	104	70 - 130	
Endrin	0.00500	0.00439	88	70 - 130	J
Endrin aldehyde	0.00500	0.00446	89	70 - 130	J
Endrin ketone	0.00500	0.00389	78	70 - 130	J
gamma-BHC (Lindane)	0.00500	0.00420	84	70 - 130	J

Method Reporting Limit Check - Batch: 240-82857

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82857/39	Analysis Batch:	240-82857	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3042039.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/21/2013 0146	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
gamma-Chlordane	0.00500	0.00494	99	70 - 130	J
Heptachlor	0.00500	0.00375	75	70 - 130	J
Heptachlor epoxide	0.00500	0.00498	100	70 - 130	J
Methoxychlor	0.00500	0.0030	48	70 - 130	U ^

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	119	50 - 150
Tetrachloro-m-xylene	96	50 - 150

Method Reporting Limit Check - Batch: 240-82857

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82857/39	Analysis Batch:	240-82857	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3042039.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/21/2013 0146	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00648	130	70 - 130	
4,4'-DDE	0.00500	0.00486	97	70 - 130	J
4,4'-DDT	0.00500	0.0030	28	70 - 130	U ^
Aldrin	0.00500	0.00516	103	70 - 130	
alpha-BHC	0.00500	0.00475	95	70 - 130	J
alpha-Chlordane	0.00500	0.00529	106	70 - 130	
beta-BHC	0.00500	0.00556	111	70 - 130	
delta-BHC	0.00500	0.00480	96	70 - 130	J
Dieldrin	0.00500	0.00498	100	70 - 130	J
Endosulfan I	0.00500	0.00505	101	70 - 130	
Endosulfan II	0.00500	0.00595	119	70 - 130	
Endosulfan sulfate	0.00500	0.00574	115	70 - 130	
Endrin	0.00500	0.00459	92	70 - 130	J
Endrin aldehyde	0.00500	0.00472	94	70 - 130	J
Endrin ketone	0.00500	0.00429	86	70 - 130	J
gamma-BHC (Lindane)	0.00500	0.00455	91	70 - 130	J
gamma-Chlordane	0.00500	0.00533	107	70 - 130	
Heptachlor	0.00500	0.00390	78	70 - 130	J
Heptachlor epoxide	0.00500	0.00518	104	70 - 130	
Methoxychlor	0.00500	0.0030	44	70 - 130	U ^

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	122	50 - 150
Tetrachloro-m-xylene	91	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 240-83135

Method: 8081/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-83135/18-A	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-83135	Lab File ID:	P3042436.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/24/2013 2154	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/23/2013 0854			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
4,4'-DDD	0.67	U	0.62	2.0
4,4'-DDE	0.67	U	0.39	1.7
4,4'-DDT	0.67	U	0.63	2.0
Aldrin	1.3	U	1.2	4.0
alpha-BHC	1.3	U	0.73	2.5
alpha-Chlordane	1.3	U	0.94	3.0
beta-BHC	1.3	U	1.1	3.5
delta-BHC	1.3	U	1.2	4.0
Dieldrin	0.67	U	0.47	1.7
Endosulfan I	0.67	U	0.52	1.7
Endosulfan II	1.3	U	0.82	2.5
Endosulfan sulfate	1.3	U	0.87	3.0
Endrin	0.67	U	0.50	1.7
Endrin aldehyde	1.3	U	1.0	3.0
Endrin ketone	0.67	U	0.63	2.0
gamma-BHC (Lindane)	1.3	U	0.74	2.5
gamma-Chlordane	0.67	U	0.42	1.7
Heptachlor	1.3	U	1.1	3.5
Heptachlor epoxide	1.3	U	0.80	2.5
Methoxychlor	3.3	U	1.5	5.0
Toxaphene	20	U	19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	91	55 - 130
Tetrachloro-m-xylene	119	70 - 125

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	92		55 - 130
Tetrachloro-m-xylene	173	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Control Sample - Batch: 240-83135

Method: 8081/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-83135/19-A	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-83135	Lab File ID:	P3042437.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/24/2013 2214	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/23/2013 0854			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	33.3	40.7	122	30 - 135	
4,4'-DDE	33.3	35.1	105	70 - 125	
4,4'-DDT	33.3	30.5	91	45 - 140	M
Aldrin	33.3	27.5	83	45 - 140	
alpha-BHC	33.3	32.3	97	60 - 125	
alpha-Chlordane	33.3	32.8	98	65 - 120	
beta-BHC	33.3	30.5	92	60 - 125	
delta-BHC	33.3	34.1	102	55 - 130	
Dieldrin	33.3	35.4	106	65 - 125	
Endosulfan I	33.3	29.5	89	15 - 135	
Endosulfan II	33.3	36.0	108	35 - 140	
Endosulfan sulfate	33.3	35.5	107	60 - 135	
Endrin	33.3	34.5	103	60 - 135	
Endrin aldehyde	33.3	36.5	110	35 - 145	
Endrin ketone	33.3	33.9	102	65 - 135	
gamma-BHC (Lindane)	33.3	32.0	96	60 - 125	
gamma-Chlordane	33.3	35.7	107	65 - 125	
Heptachlor	33.3	28.4	85	50 - 140	
Heptachlor epoxide	33.3	34.8	104	65 - 130	
Methoxychlor	33.3	34.8	105	55 - 145	

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	90		55 - 130
Tetrachloro-m-xylene	131	Q	70 - 125

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	93		55 - 130
Tetrachloro-m-xylene	178	Q	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-83135

Method: 8081/DOD
Preparation: 3540C

MS Lab Sample ID:	240-22663-28RE	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-83135	Lab File ID:	P3042434.D
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.62 g
Analysis Date:	04/24/2013 2114	Run Type:	RE	Final Weight/Volume:	10 mL
Prep Date:	04/23/2013 0854			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500			Column ID:	PRIMARY

MSD Lab Sample ID:	240-22663-28RE	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-83135	Lab File ID:	P3042435.D
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	29.90 g
Analysis Date:	04/24/2013 2134	Run Type:	RE	Final Weight/Volume:	10 mL
Prep Date:	04/23/2013 0854			Injection Volume:	1 uL
Leach Date:	04/02/2013 1500			Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	113	109	30 - 135	5	30	H	H
4,4'-DDE	98	96	70 - 125	3	30	H	H
4,4'-DDT	102	93	45 - 140	10	30	H	H
Aldrin	78	76	45 - 140	4	30	H	H
alpha-BHC	94	92	60 - 125	3	30	H	H
alpha-Chlordane	88	86	65 - 120	4	30	H	H
beta-BHC	89	86	60 - 125	4	30	H	H
delta-BHC	98	95	55 - 130	4	30	H	H
Dieldrin	103	100	65 - 125	4	30	H	H
Endosulfan I	80	78	15 - 135	3	30	H	H
Endosulfan II	104	101	35 - 140	4	30	H	H
Endosulfan sulfate	105	97	60 - 135	9	30	H	H
Endrin	104	101	60 - 135	4	30	H	H
Endrin aldehyde	97	92	35 - 145	6	30	H	H
Endrin ketone	96	90	65 - 135	7	30	H	H
gamma-BHC (Lindane)	97	93	60 - 125	5	30	H	H
gamma-Chlordane	103	99	65 - 125	5	30	H	H
Heptachlor	81	76	50 - 140	6	30	H	H
Heptachlor epoxide	101	98	65 - 130	4	30	H	H
Methoxychlor	113	99	55 - 145	14	30	H	H

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	118	103	55 - 130
Tetrachloro-m-xylene	94	87	70 - 125

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	105	82	55 - 130
Tetrachloro-m-xylene	88	94	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-83135

Method: 8081/DOD
Preparation: 3540C

MS Lab Sample ID:	240-22663-28RE	Units: ug/Kg	MSD Lab Sample ID:	240-22663-28RE	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	04/24/2013 2114		Analysis Date:	04/24/2013 2134	
Prep Date:	04/23/2013 0854		Prep Date:	04/23/2013 0854	
Leach Date:	04/02/2013 1500		Leach Date:	04/02/2013 1500	
Run Type:	RE		Run Type:	RE	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
4,4'-DDD	0.66	U	33.8	33.4	38.3	H	36.4	H
4,4'-DDE	0.66	U	33.8	33.4	33.1	H	32.1	H
4,4'-DDT	0.66	U	33.8	33.4	34.4	H	31.2	H
Aldrin	1.3	U	33.8	33.4	26.3	H	25.3	H
alpha-BHC	1.3	U	33.8	33.4	31.8	H	30.9	H
alpha-Chlordane	1.3	U	33.8	33.4	29.8	H	28.6	H
beta-BHC	1.3	U	33.8	33.4	29.9	H	28.8	H
delta-BHC	1.3	U	33.8	33.4	33.3	H	31.9	H
Dieldrin	0.66	U	33.8	33.4	34.7	H	33.3	H
Endosulfan I	0.66	U	33.8	33.4	26.9	H	26.2	H
Endosulfan II	1.3	U	33.8	33.4	35.0	H	33.6	H
Endosulfan sulfate	1.3	U	33.8	33.4	35.5	H	32.5	H
Endrin	0.66	U	33.8	33.4	35.0	H	33.7	H
Endrin aldehyde	1.3	U	33.8	33.4	32.7	H	30.9	H
Endrin ketone	0.66	U	33.8	33.4	32.3	H	30.2	H
gamma-BHC (Lindane)	1.3	U	33.8	33.4	32.7	H	31.2	H
gamma-Chlordane	0.66	U	33.8	33.4	34.8	H	33.1	H
Heptachlor	1.3	U	33.8	33.4	27.2	H	25.6	H
Heptachlor epoxide	1.3	U	33.8	33.4	34.2	H	32.7	H
Methoxychlor	3.3	U	33.8	33.4	38.3	H	33.2	H

Method Reporting Limit Check - Batch: 240-83400

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83400/26	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3042426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/24/2013 1833	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00649	130	70 - 130	
4,4'-DDE	0.00500	0.00634	127	70 - 130	
4,4'-DDT	0.00500	0.00556	111	70 - 130	
Aldrin	0.00500	0.00602	120	70 - 130	
alpha-BHC	0.00500	0.00555	111	70 - 130	
alpha-Chlordane	0.00500	0.00635	127	70 - 130	
beta-BHC	0.00500	0.00626	125	70 - 130	
delta-BHC	0.00500	0.00522	104	70 - 130	
Dieldrin	0.00500	0.00612	122	70 - 130	
Endosulfan I	0.00500	0.00629	126	70 - 130	
Endosulfan II	0.00500	0.00648	130	70 - 130	
Endosulfan sulfate	0.00500	0.00607	121	70 - 130	
Endrin	0.00500	0.00628	126	70 - 130	
Endrin aldehyde	0.00500	0.00641	128	70 - 130	
Endrin ketone	0.00500	0.00628	126	70 - 130	M
gamma-BHC (Lindane)	0.00500	0.00555	111	70 - 130	
gamma-Chlordane	0.00500	0.00617	123	70 - 130	
Heptachlor	0.00500	0.00605	121	70 - 130	
Heptachlor epoxide	0.00500	0.00625	125	70 - 130	
Methoxychlor	0.00500	0.00644	129	70 - 130	J

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	136	Q	50 - 150
Tetrachloro-m-xylene	123		50 - 150

Method Reporting Limit Check - Batch: 240-83400

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83400/26	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3042426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/24/2013 1833	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00654	131	70 - 130	^
4,4'-DDE	0.00500	0.00617	123	70 - 130	
4,4'-DDT	0.00500	0.00597	119	70 - 130	
Aldrin	0.00500	0.00600	120	70 - 130	
alpha-BHC	0.00500	0.00536	107	70 - 130	
alpha-Chlordane	0.00500	0.00631	126	70 - 130	
beta-BHC	0.00500	0.00632	126	70 - 130	
delta-BHC	0.00500	0.00528	106	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-83400

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83400/26	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3042426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/24/2013 1833	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dieldrin	0.00500	0.00610	122	70 - 130	
Endosulfan I	0.00500	0.00627	125	70 - 130	
Endosulfan II	0.00500	0.00668	134	70 - 130	^
Endosulfan sulfate	0.00500	0.00678	136	70 - 130	^
Endrin	0.00500	0.00625	125	70 - 130	
Endrin aldehyde	0.00500	0.00673	135	70 - 130	^
Endrin ketone	0.00500	0.00679	136	70 - 130	^
gamma-BHC (Lindane)	0.00500	0.00550	110	70 - 130	
gamma-Chlordane	0.00500	0.00623	125	70 - 130	
Heptachlor	0.00500	0.00624	125	70 - 130	
Heptachlor epoxide	0.00500	0.00621	124	70 - 130	
Methoxychlor	0.00500	0.00719	144	70 - 130	J ^

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	135	Q	50 - 150
Tetrachloro-m-xylene	119		50 - 150

Method Reporting Limit Check - Batch: 240-83400

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83400/52	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3042439.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/24/2013 2255	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00694	139	70 - 130	^
4,4'-DDE	0.00500	0.00639	128	70 - 130	
4,4'-DDT	0.00500	0.00329	66	70 - 130	J ^
Aldrin	0.00500	0.00606	121	70 - 130	
alpha-BHC	0.00500	0.00551	110	70 - 130	
alpha-Chlordane	0.00500	0.00640	128	70 - 130	
beta-BHC	0.00500	0.00626	125	70 - 130	
delta-BHC	0.00500	0.00453	91	70 - 130	J
Dieldrin	0.00500	0.00613	123	70 - 130	
Endosulfan I	0.00500	0.00618	124	70 - 130	
Endosulfan II	0.00500	0.00633	127	70 - 130	
Endosulfan sulfate	0.00500	0.00617	123	70 - 130	
Endrin	0.00500	0.00592	118	70 - 130	
Endrin aldehyde	0.00500	0.00536	107	70 - 130	
Endrin ketone	0.00500	0.00554	111	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00544	109	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-83400

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83400/52	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3042439.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/24/2013 2255	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
gamma-Chlordane	0.00500	0.00634	127	70 - 130	
Heptachlor	0.00500	0.00536	107	70 - 130	
Heptachlor epoxide	0.00500	0.00633	127	70 - 130	
Methoxychlor	0.00500	0.00459	92	70 - 130	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	130	50 - 150
Tetrachloro-m-xylene	120	50 - 150

Method Reporting Limit Check - Batch: 240-83400

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83400/52	Analysis Batch:	240-83400	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3042439.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/24/2013 2255	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00720	144	70 - 130	^
4,4'-DDE	0.00500	0.00613	123	70 - 130	
4,4'-DDT	0.00500	0.00363	73	70 - 130	J
Aldrin	0.00500	0.00611	122	70 - 130	
alpha-BHC	0.00500	0.00538	108	70 - 130	
alpha-Chlordane	0.00500	0.00633	127	70 - 130	
beta-BHC	0.00500	0.00642	128	70 - 130	
delta-BHC	0.00500	0.00478	96	70 - 130	J
Dieldrin	0.00500	0.00619	124	70 - 130	
Endosulfan I	0.00500	0.00600	120	70 - 130	
Endosulfan II	0.00500	0.00651	130	70 - 130	
Endosulfan sulfate	0.00500	0.00624	125	70 - 130	
Endrin	0.00500	0.00610	122	70 - 130	
Endrin aldehyde	0.00500	0.00534	107	70 - 130	
Endrin ketone	0.00500	0.00565	113	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00538	108	70 - 130	
gamma-Chlordane	0.00500	0.00629	126	70 - 130	
Heptachlor	0.00500	0.00542	108	70 - 130	
Heptachlor epoxide	0.00500	0.00626	125	70 - 130	
Methoxychlor	0.00500	0.00487	97	70 - 130	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	124	50 - 150
Tetrachloro-m-xylene	118	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 240-81730

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-81730/20-A	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-81730	Lab File ID:	P4000013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/18/2013 1213	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/12/2013 1118			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	25	U	16	50
Aroclor-1016	25	U	21	65
Aroclor-1232	25	U	14	45
Aroclor-1242	25	U	13	40
Aroclor-1248	25	U	17	55
Aroclor-1254	25	U	17	55
Aroclor-1260	25	U	17	55

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	59	40 - 140
DCB Decachlorobiphenyl	62	60 - 125

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	60		40 - 140
DCB Decachlorobiphenyl	262	Q	60 - 125

Lab Control Sample - Batch: 240-81730

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-81730/21-A	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-81730	Lab File ID:	P4000024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/18/2013 1505	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/12/2013 1118			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	261	78	40 - 140	
Aroclor-1260	333	284	85	60 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	80	40 - 140
DCB Decachlorobiphenyl	81	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	77	40 - 140
DCB Decachlorobiphenyl	88	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 240-81736

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-81736/24-A	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-81736	Lab File ID:	P4000019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	04/17/2013 1451	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/12/2013 1146			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	25	U	16	50
Aroclor-1016	25	U	21	65
Aroclor-1232	25	U	14	45
Aroclor-1242	25	U	13	40
Aroclor-1248	25	U	17	55
Aroclor-1254	25	U	17	55
Aroclor-1260	25	U	17	55

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	79	40 - 140
DCB Decachlorobiphenyl	77	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	75	40 - 140
DCB Decachlorobiphenyl	83	60 - 125

Lab Control Sample - Batch: 240-81736

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-81736/23-A	Analysis Batch:	240-82656	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-81736	Lab File ID:	P4000005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	04/19/2013 0906	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/12/2013 1146			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	275	83	40 - 140	
Aroclor-1260	333	327	98	60 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	115	40 - 140
DCB Decachlorobiphenyl	103	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	84	40 - 140
DCB Decachlorobiphenyl	98	60 - 125

Method Reporting Limit Check - Batch: 240-82267 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82267/4	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 1011	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0514	103	70 - 130	
Aroclor-1260	0.0500	0.0547	109	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	107	50 - 150
DCB Decachlorobiphenyl	111	50 - 150

Method Reporting Limit Check - Batch: 240-82267 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82267/4	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 1011	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0557	111	70 - 130	
Aroclor-1260	0.0500	0.0552	110	70 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	115		50 - 150
DCB Decachlorobiphenyl	133	Q	50 - 150

Method Reporting Limit Check - Batch: 240-82267 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82267/21	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P4000021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 1522	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0559	112	70 - 130	
Aroclor-1260	0.0500	0.0568	114	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	113	50 - 150
DCB Decachlorobiphenyl	121	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82267

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82267/21	Analysis Batch:	240-82267	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P4000021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/17/2013 1522	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0562	112	70 - 130	
Aroclor-1260	0.0500	0.0579	116	70 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	117		50 - 150
DCB Decachlorobiphenyl	133	Q	50 - 150

Method Reporting Limit Check - Batch: 240-82363 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82363/4	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/18/2013 0952	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0483	97	70 - 130	J
Aroclor-1260	0.0500	0.0495	99	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	101	50 - 150
DCB Decachlorobiphenyl	119	50 - 150

Method Reporting Limit Check - Batch: 240-82363 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82363/4	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/18/2013 0952	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0497	99	70 - 130	J
Aroclor-1260	0.0500	0.0506	101	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	108	50 - 150
DCB Decachlorobiphenyl	125	50 - 150

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	117		50 - 150
DCB Decachlorobiphenyl	136	Q	50 - 150

Method Reporting Limit Check - Batch: 240-82363 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82363/26	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/18/2013 1537	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0605	121	70 - 130	
Aroclor-1016	0.0500	0.0566	113	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82363

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82363/26	Analysis Batch:	240-82363	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/18/2013 1537	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1260	0.0500	0.0587	117	70 - 130	
Aroclor-1260	0.0500	0.0582	116	70 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	130		50 - 150
DCB Decachlorobiphenyl	138	Q	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82656 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82656/4	Analysis Batch:	240-82656	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/19/2013 0850	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0526	105	70 - 130	
Aroclor-1260	0.0500	0.0553	111	70 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	112		50 - 150
DCB Decachlorobiphenyl	134	Q	50 - 150

Method Reporting Limit Check - Batch: 240-82656 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82656/4	Analysis Batch:	240-82656	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/19/2013 0850	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0567	113	70 - 130	
Aroclor-1260	0.0500	0.0559	112	70 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	118		50 - 150
DCB Decachlorobiphenyl	139	Q	50 - 150

Method Reporting Limit Check - Batch: 240-82656 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-82656/7	Analysis Batch:	240-82656	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/19/2013 0937	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0548	110	70 - 130	
Aroclor-1260	0.0500	0.0558	112	70 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	114		50 - 150
DCB Decachlorobiphenyl	138	Q	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-82656

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-82656/7	Analysis Batch:	240-82656	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/19/2013 0937	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0525	105	70 - 130	
Aroclor-1260	0.0500	0.0536	107	70 - 130	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	121		50 - 150
DCB Decachlorobiphenyl	143	Q	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 240-83675

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-83675/20-A	Analysis Batch:	240-83996	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-83675	Lab File ID:	P4000007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/29/2013 0920	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/26/2013 0824			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	25	U	16	50
Aroclor-1016	25	U	21	65
Aroclor-1232	25	U	14	45
Aroclor-1242	25	U	13	40
Aroclor-1248	25	U	17	55
Aroclor-1254	25	U	17	55
Aroclor-1260	25	U	17	55

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	83	40 - 140
DCB Decachlorobiphenyl	64	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	60	40 - 140
DCB Decachlorobiphenyl	71	60 - 125

Lab Control Sample - Batch: 240-83675

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-83675/21-A	Analysis Batch:	240-83996	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-83675	Lab File ID:	P4000008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	04/29/2013 0935	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/26/2013 0824			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	192	58	40 - 140	
Aroclor-1260	333	221	66	60 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	93	40 - 140
DCB Decachlorobiphenyl	64	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	77	40 - 140
DCB Decachlorobiphenyl	71	60 - 125

Method Reporting Limit Check - Batch: 240-83996 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-83996/4	Analysis Batch:	240-83996	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/29/2013 0834	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0443	89	70 - 130	J
Aroclor-1260	0.0500	0.0443	89	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	94	50 - 150
DCB Decachlorobiphenyl	103	50 - 150

Method Reporting Limit Check - Batch: 240-83996 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-83996/4	Analysis Batch:	240-83996	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/29/2013 0834	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0432	86	70 - 130	J
Aroclor-1260	0.0500	0.0332	66	70 - 130	J ^

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	105	50 - 150
DCB Decachlorobiphenyl	107	50 - 150

Method Reporting Limit Check - Batch: 240-83996 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-83996/10	Analysis Batch:	240-83996	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/29/2013 1006	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0419	84	70 - 130	J
Aroclor-1260	0.0500	0.0396	79	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	50 - 150
DCB Decachlorobiphenyl	109	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 240-83996

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-83996/10	Analysis Batch:	240-83996	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	04/29/2013 1006	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0466	93	70 - 130	J
Aroclor-1260	0.0500	0.0458	92	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	104	50 - 150
DCB Decachlorobiphenyl	122	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 320-14079

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	MB 320-14079/1-A	Analysis Batch:	320-14432	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-14079	Lab File ID:	320-0003925-017-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	04/16/2013 1706	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/11/2013 1007			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitroguanidine	0.040	U	0.020	0.25

Lab Control Sample - Batch: 320-14079

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	LCS 320-14079/2-A	Analysis Batch:	320-14432	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-14079	Lab File ID:	320-0003925-018-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	04/16/2013 1724	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/11/2013 1007			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitroguanidine	1.00	0.880	88	72 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-14079

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

MS Lab Sample ID:	240-22663-4	Analysis Batch:	320-14432	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-14079	Lab File ID:	320-0003925-029-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	04/16/2013 2039			Final Weight/Volume:	10 mL
Prep Date:	04/11/2013 1007			Injection Volume:	50 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-22663-4	Analysis Batch:	320-14432	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-14079	Lab File ID:	320-0003925-030-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.04 g
Analysis Date:	04/16/2013 2057			Final Weight/Volume:	10 mL
Prep Date:	04/11/2013 1007			Injection Volume:	50 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitroguanidine	86	86	72 - 121	1	20		

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-14079

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

MS Lab Sample ID:	240-22663-4	Units:	mg/Kg	MSD Lab Sample ID:	240-22663-4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/16/2013 2039			Analysis Date:	04/16/2013 2057
Prep Date:	04/11/2013 1007			Prep Date:	04/11/2013 1007
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitroguanidine	0.039	U	1.00	0.980	0.855	0.845

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 320-14065

Method: 8330B
Preparation: 8330B

Lab Sample ID:	MB 320-14065/1-A	Analysis Batch:	320-14706	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-14065	Lab File ID:	S000014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	04/19/2013 1845	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	04/11/2013 0824			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
2-Amino-4,6-dinitrotoluene	0.050	U	0.013	0.25
4-Amino-2,6-dinitrotoluene	0.050	U	0.010	0.25
1,3-Dinitrobenzene	0.050	U	0.0042	0.25
2,4-Dinitrotoluene	0.050	U	0.0053	0.25
2,6-Dinitrotoluene	0.050	U	0.0073	0.25
HMX	0.050	U	0.012	0.25
Nitrobenzene	0.050	U	0.018	0.25
Nitroglycerin	0.25	U	0.015	0.50
2-Nitrotoluene	0.050	U	0.013	0.25
3-Nitrotoluene	0.050	U	0.016	0.25
4-Nitrotoluene	0.050	U	0.018	0.25
PETN	0.25	U	0.025	0.50
RDX	0.050	U	0.012	0.25
Tetryl	0.050	U	0.010	0.25
1,3,5-Trinitrobenzene	0.050	U	0.010	0.25
2,4,6-Trinitrotoluene	0.050	U	0.019	0.25

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	93	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 320-14065

Method: 8330B
Preparation: 8330B

Lab Sample ID:	MB 320-14065/1-A	Analysis Batch:	320-14998	Instrument ID:	LC12
Client Matrix:	Solid	Prep Batch:	320-14065	Lab File ID:	X000037.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	04/25/2013 0807	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	04/11/2013 0824			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
2-Amino-4,6-dinitrotoluene	0.050	U	0.013	0.25
4-Amino-2,6-dinitrotoluene	0.050	U	0.010	0.25
1,3-Dinitrobenzene	0.050	U	0.0042	0.25
2,4-Dinitrotoluene	0.050	U	0.0053	0.25
2,6-Dinitrotoluene	0.050	U	0.0073	0.25
HMX	0.050	U	0.012	0.25
Nitrobenzene	0.050	U	0.018	0.25
Nitroglycerin	0.25	U	0.015	0.50
2-Nitrotoluene	0.050	U	0.013	0.25
3-Nitrotoluene	0.050	U	0.016	0.25
4-Nitrotoluene	0.050	U	0.018	0.25
PETN	0.25	U	0.025	0.50
RDX	0.050	U	0.012	0.25
Tetryl	0.0121	J	0.010	0.25
1,3,5-Trinitrobenzene	0.050	U	0.010	0.25
2,4,6-Trinitrotoluene	0.050	U	0.019	0.25

Surrogate	% Rec		Acceptance Limits
3,4-Dinitrotoluene	121	M Q	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Control Sample - Batch: 320-14065

Method: 8330B
Preparation: 8330B

Lab Sample ID:	LCS 320-14065/2-A	Analysis Batch:	320-14706	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-14065	Lab File ID:	S000015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	04/19/2013 1929	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	04/11/2013 0824			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Amino-4,6-dinitrotoluene	0.500	0.486	97	79 - 119	
4-Amino-2,6-dinitrotoluene	0.500	0.498	100	81 - 121	
1,3-Dinitrobenzene	0.500	0.499	100	81 - 121	
2,4-Dinitrotoluene	0.500	0.484	97	79 - 119	
2,6-Dinitrotoluene	0.500	0.484	97	79 - 119	
HMX	0.500	0.496	99	80 - 120	
Nitrobenzene	0.500	0.498	100	80 - 120	
Nitroglycerin	1.00	0.942	94	76 - 116	
2-Nitrotoluene	0.500	0.478	96	78 - 118	
3-Nitrotoluene	0.500	0.486	97	77 - 117	
4-Nitrotoluene	0.500	0.480	96	78 - 118	
PETN	1.00	0.948	95	76 - 116	
RDX	0.500	0.484	97	82 - 122	
Tetryl	0.500	0.430	86	63 - 120	
1,3,5-Trinitrobenzene	0.500	0.496	99	81 - 121	
2,4,6-Trinitrotoluene	0.500	0.438	88	65 - 105	

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	96	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-14065

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	240-22663-4	Analysis Batch:	320-14706	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-14065	Lab File ID:	S000026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.05 g
Analysis Date:	04/20/2013 0329			Final Weight/Volume:	80 mL
Prep Date:	04/11/2013 0824			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-22663-4	Analysis Batch:	320-14706	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-14065	Lab File ID:	S000027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.03 g
Analysis Date:	04/20/2013 0413			Final Weight/Volume:	80 mL
Prep Date:	04/11/2013 0824			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Amino-4,6-dinitrotoluene	97	97	79 - 119	0	20		
4-Amino-2,6-dinitrotoluene	100	100	81 - 121	0	20		
1,3-Dinitrobenzene	101	101	81 - 121	0	20		
2,4-Dinitrotoluene	98	98	79 - 119	0	20		
2,6-Dinitrotoluene	101	101	79 - 119	0	20		
HMX	98	98	80 - 120	1	20		
Nitrobenzene	102	101	80 - 120	0	20		
Nitroglycerin	95	92	76 - 116	3	20		
2-Nitrotoluene	96	96	78 - 118	0	20		
3-Nitrotoluene	98	98	77 - 117	1	20		
4-Nitrotoluene	97	97	78 - 118	0	20		
PETN	97	97	76 - 116	1	20		
RDX	90	90	82 - 122	0	20		
Tetryl	84	84	63 - 120	0	20		
1,3,5-Trinitrobenzene	102	102	81 - 121	0	20		
2,4,6-Trinitrotoluene	89	89	65 - 105	0	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
3,4-Dinitrotoluene	97	97	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-14065

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	240-22663-4	Units:	mg/Kg	MSD Lab Sample ID:	240-22663-4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/20/2013 0329			Analysis Date:	04/20/2013 0413
Prep Date:	04/11/2013 0824			Prep Date:	04/11/2013 0824
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
2-Amino-4,6-dinitrotoluene	0.050	U	0.498	0.499	0.484	0.486
4-Amino-2,6-dinitrotoluene	0.050	U	0.498	0.499	0.499	0.500
1,3-Dinitrobenzene	0.050	U	0.498	0.499	0.505	0.505
2,4-Dinitrotoluene	0.050	U	0.498	0.499	0.487	0.489
2,6-Dinitrotoluene	0.050	U	0.498	0.499	0.503	0.502
HMX	0.050	U	0.498	0.499	0.488	0.491
Nitrobenzene	0.050	U	0.498	0.499	0.506	0.504
Nitroglycerin	0.25	U	0.995	0.997	0.946	0.919
2-Nitrotoluene	0.050	U	0.498	0.499	0.480	0.479
3-Nitrotoluene	0.050	U	0.498	0.499	0.485	0.490
4-Nitrotoluene	0.050	U	0.498	0.499	0.482	0.482
PETN	0.25	U	0.995	0.997	0.967	0.972
RDX	0.050	U	0.498	0.499	0.448	0.449
Tetryl	0.015	J	0.498	0.499	0.433	0.435
1,3,5-Trinitrobenzene	0.050	U	0.498	0.499	0.506	0.507
2,4,6-Trinitrotoluene	0.050	U	0.498	0.499	0.443	0.445

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 180-69114

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	MB 180-69114/1-A	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.17 g
Analysis Date:	05/04/2013 2215	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.026	U	0.0097	0.085
Aluminum	0.51	U	0.24	2.6
Arsenic	0.043	U	0.015	0.085
Barium	0.00940	J Q	0.0091	0.85
Beryllium	0.0085	U Q	0.0064	0.085
Calcium	1.76	J	1.1	8.5
Cadmium	0.026	U Q	0.011	0.085
Chromium	0.034	U	0.019	0.17
Cobalt	0.0085	U Q	0.0021	0.043
Copper	0.0300	J Q	0.028	0.17
Iron	1.7	U	0.92	4.3
Magnesium	1.7	U	0.92	8.5
Manganese	0.026	U Q	0.014	0.43
Sodium	4.3	U	2.3	8.5
Nickel	0.026	U	0.0097	0.085
Lead	0.026	U Q	0.013	0.085
Antimony	0.085	U	0.039	0.17
Thallium	0.017	U	0.0087	0.085
Vanadium	0.051	U	0.026	0.085
Zinc	0.0733	J Q	0.055	0.43
Potassium	5.1	U	2.7	8.5
Selenium	0.085	U	0.044	0.43

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Control Sample - Batch: 180-69114

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	LCS 180-69114/2-A	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.10 g
Analysis Date:	05/04/2013 2223	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	4.55	4.17	92	60 - 114	
Aluminum	182	178	98	80 - 120	
Arsenic	3.64	3.12	86	73 - 110	
Barium	182	171	94	70 - 110	Q
Beryllium	4.55	4.04	89	79 - 110	Q
Calcium	4550	4210	93	80 - 120	
Cadmium	4.55	3.83	84	74 - 110	Q
Chromium	18.2	18.0	99	70 - 110	
Cobalt	45.5	45.6	100	74 - 110	Q
Copper	22.7	23.4	103	73 - 110	Q
Iron	90.9	90.4	99	80 - 120	
Magnesium	4550	4480	99	80 - 120	
Manganese	45.5	44.1	97	80 - 120	Q
Sodium	4550	4490	99	80 - 120	
Nickel	45.5	46.0	101	75 - 110	
Lead	1.82	1.67	92	75 - 110	Q
Antimony	45.5	38.8	85	68 - 113	
Thallium	4.55	4.17	92	71 - 110	
Vanadium	45.5	45.1	99	72 - 110	
Zinc	45.5	38.0	84	72 - 113	Q
Potassium	4550	4390	97	80 - 120	
Selenium	0.909	0.750	83	65 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike - Batch: 180-69114

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-5	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.12 g
Analysis Date:	05/04/2013 2321	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.030	J	4.46	3.93	87	75 - 125	
Aluminum	13000		179	17000	2497	70 - 130	4
Arsenic	10		3.57	13.5	92	23 - 131	
Barium	68		179	238	95	10 - 199	Q
Beryllium	0.58		4.46	4.27	83	58 - 112	Q
Calcium	590		4460	4310	83	70 - 130	
Cadmium	0.20		4.46	3.82	81	58 - 110	Q
Chromium	17		17.9	36.5	109	10 - 199	
Cobalt	11		44.6	50.6	89	55 - 110	Q
Copper	20		22.3	38.7	85	10 - 199	Q
Iron	26000		89.3	27700	1668	70 - 130	4
Magnesium	3200		4460	7560	97	70 - 130	
Manganese	260		44.6	370	240	10 - 199	Q 4
Sodium	40		4460	4200	93	70 - 130	
Nickel	26		44.6	65.2	89	10 - 176	
Lead	12		1.79	15.2	154	10 - 199	Q 4
Antimony	0.090	U	44.6	11.2	25	75 - 125	J
Thallium	0.17		4.46	4.36	94	82 - 110	
Vanadium	19		44.6	65.8	106	39 - 129	
Zinc	74		44.6	107	74	10 - 199	Q
Potassium	1200		4460	5730	102	70 - 130	
Selenium	0.28	J	0.893	0.902	70	39 - 116	

Post Digestion Spike - Batch: 180-69114

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-5	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.11 g
Analysis Date:	05/04/2013 2329	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.030	J	4.50	4.71	104	80 - 120	
Aluminum	13000		180	12500	-20	80 - 120	
Arsenic	10		3.60	13.6	95	80 - 120	
Barium	68		180	243	97	80 - 120	Q
Beryllium	0.58		4.50	4.54	88	80 - 120	Q

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Post Digestion Spike - Batch: 180-69114

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-5	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.11 g
Analysis Date:	05/04/2013 2329	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Calcium	590		4500	4860	95	80 - 120	
Cadmium	0.20		4.50	4.36	92	80 - 120	Q
Chromium	17		18.0	35.4	103	80 - 120	
Cobalt	11		45.0	56.8	102	80 - 120	Q
Copper	20		22.5	42.3	100	80 - 120	Q
Iron	26000		90.1	26100	-110	80 - 120	
Magnesium	3200		4500	7710	99	80 - 120	
Manganese	260		45.0	307	99	80 - 120	Q
Sodium	40		4500	4670	103	80 - 120	
Nickel	26		45.0	70.9	101	80 - 120	
Lead	12		1.80	14.1	90	80 - 120	Q
Antimony	0.090	U	45.0	38.7	86	80 - 120	
Thallium	0.17		4.50	4.89	105	80 - 120	
Vanadium	19		45.0	65.4	104	80 - 120	
Zinc	74		45.0	112	86	80 - 120	Q
Potassium	1200		4500	5690	100	80 - 120	
Selenium	0.28	J	0.901	1.06	87	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Serial Dilution - Batch: 180-69114

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-5	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.11 g
Analysis Date:	05/04/2013 2304	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Silver	0.030	J	0.14	NC	10	U
Aluminum	13000		12500	0.14	10	D
Arsenic	10		11.3	9.9	10	D
Barium	68		69.5	2.4	10	D Q
Beryllium	0.58		0.626	7.9	10	D Q
Calcium	590		608	2.9	10	D
Cadmium	0.20		0.235	NC	10	J D Q
Chromium	17		17.1	0.58	10	D
Cobalt	11		10.9	0.62	10	D Q
Copper	20		20.7	4.5	10	D Q
Iron	26000		26200	0.29	10	D
Magnesium	3200		3170	1.9	10	D
Manganese	260		260	0.91	10	D Q
Sodium	40		41.6	NC	10	J D
Nickel	26		26.4	3.5	10	D
Lead	12		12.7	1.5	10	D Q
Antimony	0.090	U	0.45	NC	10	U
Thallium	0.17		0.172	NC	10	J D
Vanadium	19		18.7	0.17	10	D
Zinc	74		85.9	17	10	D Q V
Potassium	1200		1200	0.45	10	D
Selenium	0.28	J	0.45	NC	10	U

Duplicate - Batch: 180-69114

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-5	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.15 g
Analysis Date:	05/04/2013 2312	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	0.030	J	0.0263	12	20	J
Aluminum	13000		12700	0.8	20	
Arsenic	10		10.5	2	20	
Barium	68		68.5	1	20	Q
Beryllium	0.58		0.577	0.6	20	Q
Calcium	590		561	5	20	
Cadmium	0.20		0.194	3	20	Q

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Duplicate - Batch: 180-69114

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-5	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69114	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.15 g
Analysis Date:	05/04/2013 2312	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 0811				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chromium	17		17.0	0.4	20	
Cobalt	11		10.4	5	20	Q
Copper	20		19.9	0.7	20	Q
Iron	26000		26400	0.7	20	
Magnesium	3200		3250	0.6	20	
Manganese	260		260	1	20	Q
Sodium	40		44.9	11	20	
Nickel	26		26.0	2	20	
Lead	12		12.4	1	20	Q
Antimony	0.090	U	0.087	NC	20	U
Thallium	0.17		0.170	1	20	
Vanadium	19		18.9	1	20	
Zinc	74		73.3	0.5	20	Q
Potassium	1200		1230	2	20	
Selenium	0.28	J	0.285	1	20	J

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 180-69160

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	MB 180-69160/1-A	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.12 g
Analysis Date:	05/05/2013 0132	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.027	U	0.010	0.089
Aluminum	0.54	U	0.25	2.7
Arsenic	0.0212	J	0.016	0.089
Barium	0.0107	J Q	0.0096	0.89
Beryllium	0.0089	U Q	0.0067	0.089
Calcium	1.83	J	1.2	8.9
Cadmium	0.027	U Q	0.012	0.089
Chromium	0.036	U	0.020	0.18
Cobalt	0.0089	U Q	0.0021	0.045
Copper	0.054	U Q	0.029	0.18
Iron	1.8	U	0.96	4.5
Magnesium	1.8	U	0.96	8.9
Manganese	0.027	U Q	0.014	0.45
Sodium	4.5	U	2.4	8.9
Nickel	0.027	U	0.010	0.089
Lead	0.027	U Q	0.014	0.089
Antimony	0.089	U	0.041	0.18
Thallium	0.018	U	0.0091	0.089
Vanadium	0.054	U	0.027	0.089
Zinc	0.0640	J Q	0.058	0.45
Potassium	5.4	U	2.8	8.9
Selenium	0.0480	J	0.045	0.45

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Control Sample - Batch: 180-69160

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	LCS 180-69160/2-A	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.04 g
Analysis Date:	05/05/2013 0140	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	4.81	4.43	92	60 - 114	
Aluminum	192	192	100	80 - 120	
Arsenic	3.85	3.30	86	73 - 110	
Barium	192	182	95	70 - 110	Q
Beryllium	4.81	4.15	86	79 - 110	Q
Calcium	4810	4480	93	80 - 120	
Cadmium	4.81	4.07	85	74 - 110	Q
Chromium	19.2	18.8	98	70 - 110	
Cobalt	48.1	48.0	100	74 - 110	Q
Copper	24.0	24.7	103	73 - 110	Q
Iron	96.2	99.3	103	80 - 120	
Magnesium	4810	4780	99	80 - 120	
Manganese	48.1	46.5	97	80 - 120	Q
Sodium	4810	4780	99	80 - 120	
Nickel	48.1	49.1	102	75 - 110	
Lead	1.92	1.81	94	75 - 110	Q
Antimony	48.1	41.5	86	68 - 113	
Thallium	4.81	4.51	94	71 - 110	
Vanadium	48.1	47.8	99	72 - 110	
Zinc	48.1	40.5	84	72 - 113	Q
Potassium	4810	4690	97	80 - 120	
Selenium	0.962	0.815	85	65 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike - Batch: 180-69160

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-16	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.02 g
Analysis Date:	05/05/2013 0213	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.017	J	4.90	4.37	89	75 - 125	
Aluminum	7000		196	9180	1104	70 - 130	4
Arsenic	12		3.92	14.8	63	23 - 131	
Barium	36		196	214	91	10 - 199	Q
Beryllium	0.41		4.90	4.44	82	58 - 112	Q
Calcium	670		4900	4860	86	70 - 130	
Cadmium	0.12		4.90	4.21	83	58 - 110	Q
Chromium	10		19.6	29.8	99	10 - 199	
Cobalt	8.3		49.0	52.0	89	55 - 110	Q
Copper	17		24.5	37.5	82	10 - 199	Q
Iron	20000		98.0	19500	-924	70 - 130	4
Magnesium	2200		4900	6660	90	70 - 130	
Manganese	300		49.0	319	44	10 - 199	Q 4
Sodium	41		4900	4590	93	70 - 130	
Nickel	19		49.0	62.8	88	10 - 176	
Lead	11		1.96	13.1	95	10 - 199	Q 4
Antimony	0.047	J	49.0	22.4	46	75 - 125	J
Thallium	0.11		4.90	4.28	85	82 - 110	
Vanadium	12		49.0	59.5	98	39 - 129	
Zinc	51		49.0	84.9	68	10 - 199	Q
Potassium	760		4900	5350	94	70 - 130	
Selenium	0.17	J	0.980	0.908	75	39 - 116	

Post Digestion Spike - Batch: 180-69160

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-16	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.01 g
Analysis Date:	05/05/2013 0221	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.017	J	4.95	5.19	105	80 - 120	
Aluminum	7000		198	6950	-36	80 - 120	
Arsenic	12		3.96	16.0	92	80 - 120	
Barium	36		198	234	100	80 - 120	Q
Beryllium	0.41		4.95	4.78	88	80 - 120	Q

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Post Digestion Spike - Batch: 180-69160

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-16	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.01 g
Analysis Date:	05/05/2013 0221	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Calcium	670		4950	5440	96	80 - 120	
Cadmium	0.12		4.95	4.70	92	80 - 120	Q
Chromium	10		19.8	31.3	105	80 - 120	
Cobalt	8.3		49.5	60.6	106	80 - 120	Q
Copper	17		24.8	43.1	104	80 - 120	Q
Iron	20000		99.0	20400	10	80 - 120	
Magnesium	2200		4950	7120	99	80 - 120	
Manganese	300		49.5	346	98	80 - 120	Q
Sodium	41		4950	5130	103	80 - 120	
Nickel	19		49.5	71.4	105	80 - 120	
Lead	11		1.98	13.1	92	80 - 120	Q
Antimony	0.047	J	49.5	43.7	88	80 - 120	
Thallium	0.11		4.95	5.31	105	80 - 120	
Vanadium	12		49.5	64.4	107	80 - 120	
Zinc	51		49.5	93.9	86	80 - 120	Q
Potassium	760		4950	5780	101	80 - 120	
Selenium	0.17	J	0.990	1.03	87	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Serial Dilution - Batch: 180-69160

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-16	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.01 g
Analysis Date:	05/05/2013 0156	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Silver	0.017	J	0.15	NC	10	U
Aluminum	7000		6910	1.6	10	D
Arsenic	12		12.9	4.0	10	D
Barium	36		36.4	2.2	10	D Q
Beryllium	0.41		0.437	7.8	10	J D Q
Calcium	670		685	2.3	10	D
Cadmium	0.12		0.164	NC	10	J D Q
Chromium	10		10.3	2.0	10	D
Cobalt	8.3		8.11	2.7	10	D Q
Copper	17		17.2	1.1	10	D Q
Iron	20000		20300	0.87	10	D
Magnesium	2200		2160	3.3	10	D
Manganese	300		290	2.5	10	D Q
Sodium	41		40.4	NC	10	J D
Nickel	19		19.4	0.05	10	D
Lead	11		11.5	2.1	10	D Q
Antimony	0.047	J	0.50	NC	10	U
Thallium	0.11		0.112	NC	10	J D
Vanadium	12		11.4	0.90	10	D
Zinc	51		56.8	11	10	D Q V
Potassium	760		750	0.73	10	D
Selenium	0.17	J	0.50	NC	10	U

Duplicate - Batch: 180-69160

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-16	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.02 g
Analysis Date:	05/05/2013 0205	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	0.017	J	0.0185	10	20	J
Aluminum	7000		6930	1	20	
Arsenic	12		11.9	4	20	
Barium	36		35.4	0.7	20	Q
Beryllium	0.41		0.384	5	20	Q
Calcium	670		669	0.07	20	
Cadmium	0.12		0.142	15	20	Q

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Duplicate - Batch: 180-69160

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-16	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69160	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.02 g
Analysis Date:	05/05/2013 0205	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1219				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chromium	10		10.4	0.7	20	
Cobalt	8.3		8.49	2	20	Q
Copper	17		17.1	2	20	Q
Iron	20000		20400	0.2	20	
Magnesium	2200		2200	1	20	
Manganese	300		324	9	20	Q
Sodium	41		41.0	0.9	20	
Nickel	19		19.5	0.8	20	
Lead	11		11.3	0.02	20	Q
Antimony	0.047	J	0.098	NC	20	U
Thallium	0.11		0.111	0.9	20	
Vanadium	12		11.2	3	20	
Zinc	51		52.4	2	20	Q
Potassium	760		751	0.6	20	
Selenium	0.17	J	0.218	22	20	J

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 180-69260

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	MB 180-69260/1-A	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.02 g
Analysis Date:	05/05/2013 0416	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.029	U	0.011	0.098
Aluminum	0.356	J	0.28	2.9
Arsenic	0.049	U	0.018	0.098
Barium	0.0116	J Q	0.010	0.98
Beryllium	0.0098	U Q	0.0074	0.098
Calcium	1.72	J	1.3	9.8
Cadmium	0.029	U Q	0.013	0.098
Chromium	0.039	U	0.022	0.20
Cobalt	0.0098	U Q	0.0024	0.049
Copper	0.0358	J Q	0.032	0.20
Iron	2.0	U	1.1	4.9
Magnesium	2.0	U	1.1	9.8
Manganese	0.029	U Q	0.016	0.49
Sodium	4.9	U	2.6	9.8
Nickel	0.029	U	0.011	0.098
Lead	0.029	U Q	0.015	0.098
Antimony	0.098	U	0.045	0.20
Thallium	0.020	U	0.010	0.098
Vanadium	0.059	U	0.029	0.098
Zinc	0.122	J Q	0.064	0.49
Potassium	5.9	U	3.1	9.8
Selenium	0.098	U	0.050	0.49

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Control Sample - Batch: 180-69260

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	LCS 180-69260/2-A	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.05 g
Analysis Date:	05/05/2013 0424	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	4.76	4.38	92	60 - 114	
Aluminum	190	186	98	80 - 120	
Arsenic	3.81	3.34	88	73 - 110	
Barium	190	181	95	70 - 110	Q
Beryllium	4.76	4.12	86	79 - 110	Q
Calcium	4760	4370	92	80 - 120	
Cadmium	4.76	4.19	88	74 - 110	Q
Chromium	19.0	18.4	97	70 - 110	
Cobalt	47.6	46.9	99	74 - 110	Q
Copper	23.8	24.5	103	73 - 110	Q
Iron	95.2	96.1	101	80 - 120	
Magnesium	4760	4590	96	80 - 120	
Manganese	47.6	45.5	96	80 - 120	Q
Sodium	4760	4630	97	80 - 120	
Nickel	47.6	48.2	101	75 - 110	
Lead	1.90	1.79	94	75 - 110	Q
Antimony	47.6	41.4	87	68 - 113	
Thallium	4.76	4.46	94	71 - 110	
Vanadium	47.6	46.4	98	72 - 110	
Zinc	47.6	40.5	85	72 - 113	Q
Potassium	4760	4580	96	80 - 120	
Selenium	0.952	0.812	85	65 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike - Batch: 180-69260

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-24	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.02 g
Analysis Date:	05/05/2013 0514	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.030	J	4.90	4.37	89	75 - 125	
Aluminum	12000		196	16500	2325	70 - 130	4
Arsenic	10		3.92	13.8	94	23 - 131	
Barium	72		196	253	93	10 - 199	Q
Beryllium	0.55		4.90	4.62	83	58 - 112	Q
Calcium	1000		4900	5120	84	70 - 130	
Cadmium	0.18		4.90	4.22	82	58 - 110	Q
Chromium	15		19.6	36.8	109	10 - 199	
Cobalt	11		49.0	54.5	89	55 - 110	Q
Copper	17		24.5	38.0	86	10 - 199	Q
Iron	25000		98.0	25600	768	70 - 130	4
Magnesium	2800		4900	7580	97	70 - 130	
Manganese	260		49.0	305	85	10 - 199	Q 4
Sodium	35		4900	4630	94	70 - 130	
Nickel	21		49.0	65.5	90	10 - 176	
Lead	12		1.96	14.9	130	10 - 199	Q 4
Antimony	0.097	U	49.0	10.4	21	75 - 125	J
Thallium	0.15		4.90	4.53	89	82 - 110	
Vanadium	19		49.0	71.9	108	39 - 129	
Zinc	68		49.0	103	71	10 - 199	Q
Potassium	890		4900	5730	99	70 - 130	
Selenium	0.35	J	0.980	0.901	57	39 - 116	

Post Digestion Spike - Batch: 180-69260

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-24	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.03 g
Analysis Date:	05/05/2013 0522	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.030	J	4.85	5.24	107	80 - 120	
Aluminum	12000		194	11900	-20	80 - 120	
Arsenic	10		3.88	13.7	93	80 - 120	
Barium	72		194	271	102	80 - 120	Q
Beryllium	0.55		4.85	5.08	93	80 - 120	Q

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Post Digestion Spike - Batch: 180-69260

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-24	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.03 g
Analysis Date:	05/05/2013 0522	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Calcium	1000		4850	5760	98	80 - 120	
Cadmium	0.18		4.85	4.77	95	80 - 120	Q
Chromium	15		19.4	36.2	107	80 - 120	
Cobalt	11		48.5	62.6	107	80 - 120	Q
Copper	17		24.3	42.3	104	80 - 120	Q
Iron	25000		97.1	24800	0	80 - 120	
Magnesium	2800		4850	7760	101	80 - 120	
Manganese	260		48.5	315	107	80 - 120	Q
Sodium	35		4850	5160	106	80 - 120	
Nickel	21		48.5	72.9	106	80 - 120	
Lead	12		1.94	14.1	90	80 - 120	Q
Antimony	0.097	U	48.5	44.2	91	80 - 120	
Thallium	0.15		4.85	5.29	106	80 - 120	
Vanadium	19		48.5	71.7	109	80 - 120	
Zinc	68		48.5	112	89	80 - 120	Q
Potassium	890		4850	5940	104	80 - 120	
Selenium	0.35	J	0.971	1.23	91	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Serial Dilution - Batch: 180-69260

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-24	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.03 g
Analysis Date:	05/05/2013 0457	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Silver	0.030	J	0.15	NC	10	U
Aluminum	12000		12000	0.57	10	D
Arsenic	10		9.74	3.7	10	D
Barium	72		72.8	1.7	10	D Q
Beryllium	0.55		0.628	13	10	D Q V
Calcium	1000		1060	4.7	10	D
Cadmium	0.18		0.246	NC	10	J D Q
Chromium	15		15.3	0.41	10	D
Cobalt	11		10.3	2.8	10	D Q
Copper	17		17.2	1.3	10	D Q
Iron	25000		24500	1.5	10	D
Magnesium	2800		2810	1.2	10	D
Manganese	260		254	3.4	10	D Q
Sodium	35		36.3	NC	10	J D
Nickel	21		21.4	0.34	10	D
Lead	12		12.0	3.0	10	D Q
Antimony	0.097	U	0.49	NC	10	U
Thallium	0.15		0.149	NC	10	J D
Vanadium	19		18.8	0.23	10	D
Zinc	68		75.1	9.8	10	D Q
Potassium	890		889	0.25	10	D
Selenium	0.35	J	0.49	NC	10	U

Duplicate - Batch: 180-69260

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-24	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.03 g
Analysis Date:	05/05/2013 0505	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	0.030	J	0.0326	9	20	J
Aluminum	12000		11900	0.3	20	
Arsenic	10		10.6	5	20	
Barium	72		71.8	0.2	20	Q
Beryllium	0.55		0.587	6	20	Q
Calcium	1000		1030	1	20	
Cadmium	0.18		0.210	13	20	Q

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Duplicate - Batch: 180-69260

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22663-24	Analysis Batch:	180-70845	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-69260	Lab File ID:	M30504A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.03 g
Analysis Date:	05/05/2013 0505	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1132				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chromium	15		15.6	2	20	
Cobalt	11		10.9	2	20	Q
Copper	17		17.4	2	20	Q
Iron	25000		26000	5	20	
Magnesium	2800		2830	0.4	20	
Manganese	260		283	7	20	Q
Sodium	35		34.7	2	20	
Nickel	21		21.3	0.4	20	
Lead	12		13.1	6	20	Q
Antimony	0.097	U	0.097	NC	20	U
Thallium	0.15		0.156	3	20	
Vanadium	19		19.5	4	20	
Zinc	68		68.8	0.6	20	Q
Potassium	890		882	1	20	
Selenium	0.35	J	0.375	8	20	J

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 240-81976

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-81976/1-A	Analysis Batch:	240-82289	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/16/2013 1204	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.033	U	0.014	0.10

Lab Control Sample - Batch: 240-81976

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-81976/2-A	Analysis Batch:	240-82289	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/16/2013 1206	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.837	100	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Matrix Spike - Batch: 240-81976

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-22663-5	Analysis Batch:	240-82289	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.60 g
Analysis Date:	04/16/2013 1211	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.016	J	0.167	0.186	102	80 - 120	

Matrix Spike - Batch: 240-81976

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-22663-16	Analysis Batch:	240-82289	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.60 g
Analysis Date:	04/16/2013 1217	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.033	U	0.167	0.180	108	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Duplicate - Batch: 240-81976 **Method: 7471/DOD**
Preparation: 7471A

Lab Sample ID:	240-22663-5	Analysis Batch:	240-82289	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.60 g
Analysis Date:	04/16/2013 1214	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.016	J	0.0251	45	20	J

Duplicate - Batch: 240-81976 **Method: 7471/DOD**
Preparation: 7471A

Lab Sample ID:	240-22663-16	Analysis Batch:	240-82289	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-81976	Lab File ID:	041613A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.60 g
Analysis Date:	04/16/2013 1218	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/15/2013 1600				
Leach Date:	04/02/2013 1500				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.033	U	0.0276	NC	20	J

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 240-82179

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-82179/1-A	Analysis Batch:	240-82449	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/17/2013 0928	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.033	U	0.014	0.10

Lab Control Sample - Batch: 240-82179

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-82179/2-A	Analysis Batch:	240-82449	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/17/2013 0930	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.898	108	80 - 120	

Matrix Spike - Batch: 240-82179

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-22663-24	Analysis Batch:	240-82449	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.60 g
Analysis Date:	04/17/2013 0939	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.025	J	0.167	0.207	109	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Duplicate - Batch: 240-82179

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-22663-24	Analysis Batch:	240-82449	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-82179	Lab File ID:	041713A-HG4.PRN
Dilution:	1.0	Leach Batch:	240-80915	Initial Weight/Volume:	0.60 g
Analysis Date:	04/17/2013 0937	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/16/2013 1550				
Leach Date:	04/02/2013 1500				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.025	J	0.0235	4	20	J

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 240-82367

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-82367/1-A	Analysis Batch:	240-82912	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-82367	Lab File ID:	041913A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/19/2013 1004	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/17/2013 1455				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.033	U	0.014	0.10

Lab Control Sample - Batch: 240-82367

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-82367/2-A	Analysis Batch:	240-82912	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-82367	Lab File ID:	041913A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/19/2013 1006	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/17/2013 1455				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.783	94	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Duplicate - Batch: 240-80985

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-22663-16	Analysis Batch:	240-80985	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/08/2013 1114	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	99	99	0.05	20	
Percent Moisture	0.72	0.67	7	20	

Duplicate - Batch: 240-80985

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-22663-24	Analysis Batch:	240-80985	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/08/2013 1114	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	99	99	0.003	20	
Percent Moisture	1.4	1.4	0.2	20	

Duplicate - Batch: 240-80985

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-22663-37	Analysis Batch:	240-80985	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/08/2013 1114	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	99	99	0.003	20	
Percent Moisture	0.81	0.80	0.4	20	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Duplicate - Batch: 240-80985

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-22663-39	Analysis Batch:	240-80985	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/08/2013 1114	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	88	86	2	20	
Percent Moisture	12	14	14	20	

Duplicate - Batch: 240-80985

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-22663-5	Analysis Batch:	240-80985	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/08/2013 1114	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	99	99	0.02	20	
Percent Moisture	1.4	1.3	1	20	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Blank - Batch: 320-14752

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	MB 320-14670/1-B	Analysis Batch:	320-14914	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-14752	Lab File ID:	042313A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	04/23/2013 1245	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/22/2013 0613				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrocellulose	1.8	U	0.78	5.0

Lab Control Sample - Batch: 320-14752

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	LCS 320-14670/2-B	Analysis Batch:	320-14914	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-14752	Lab File ID:	042313A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	04/23/2013 1247	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/22/2013 0613				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	50.6	31.8	63	34 - 115	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Method Reporting Limit Check - Batch: 320-14914 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-14914/10	Analysis Batch:	320-14914	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	042313A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/23/2013 1235	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.420	1.0	106	70 - 130	U

Method Reporting Limit Check - Batch: 320-14914 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-14914/21	Analysis Batch:	320-14914	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	042313A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/23/2013 1257	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.420	0.538	128	70 - 130	J

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	^	Instrument related QC exceeds the control limits
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
GC/MS Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	^	Instrument related QC exceeds the control limits
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.
GC Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	^	Instrument related QC exceeds the control limits
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	H	Sample was prepped or analyzed beyond the specified holding time
	U	Undetected at the Limit of Detection.

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Lab Section	Qualifier	Description
HPLC/IC		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	Q	One or more quality control criteria failed.
	V	Serial Dilution exceeds the control limits
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-80597					
240-22663-4	079SB-0014M-0001-SO	T	Solid	5035	
240-22663-7	079SB-0017M-0001-SO	T	Solid	5035	
240-22663-17	073SB-0041M-0001-SO	T	Solid	5035	
240-22663-26	079SB-0026M-0001-SO	T	Solid	5035	
240-22663-28	079SB-0028M-0001-SO	T	Solid	5035	
Analysis Batch:240-80954					
LCS 240-80954/6	Lab Control Sample	T	Solid	8260B/DoD	
MB 240-80954/7	Method Blank	T	Solid	8260B/DoD	
240-22663-4	079SB-0014M-0001-SO	T	Solid	8260B/DoD	240-80597
240-22663-7	079SB-0017M-0001-SO	T	Solid	8260B/DoD	240-80597
240-22663-17	073SB-0041M-0001-SO	T	Solid	8260B/DoD	240-80597
240-22663-26	079SB-0026M-0001-SO	T	Solid	8260B/DoD	240-80597
240-22663-28	079SB-0028M-0001-SO	T	Solid	8260B/DoD	240-80597
Analysis Batch:240-81013					
LCS 240-81013/4	Lab Control Sample	T	Water	8260B/DoD	
MB 240-81013/6	Method Blank	T	Water	8260B/DoD	
240-22663-30	068SB-0026-0001-TB	T	Water	8260B/DoD	

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-80915					
240-22663-4	079SB-0014M-0001-SO	T	Solid	Increment, Prep	
240-22663-7	079SB-0017M-0001-SO	T	Solid	Increment, Prep	
240-22663-17	073SB-0041M-0001-SO	T	Solid	Increment, Prep	
240-22663-26	079SB-0026M-0001-SO	T	Solid	Increment, Prep	
240-22663-28	079SB-0028M-0001-SO	T	Solid	Increment, Prep	
240-22663-31	068SB-0017M-0001-SO	T	Solid	Increment, Prep	
240-22663-32	068SB-0018M-0001-SO	T	Solid	Increment, Prep	
240-22663-33	068SB-0019M-0001-SO	T	Solid	Increment, Prep	
240-22663-34	068SB-0022M-0001-SO	T	Solid	Increment, Prep	
240-22663-35	068SB-0020M-0001-SO	T	Solid	Increment, Prep	
240-22663-36	068SB-0023M-0001-SO	T	Solid	Increment, Prep	
240-22663-37	068SB-0024M-0001-SO	T	Solid	Increment, Prep	
240-22663-38	068SB-0025M-0001-SO	T	Solid	Increment, Prep	
240-22663-40	068SB-0027M-0001-SO	T	Solid	Increment, Prep	
240-22663-41	068SB-0028M-0001-SO	T	Solid	Increment, Prep	
240-22663-43	068SB-0030M-0001-SO	T	Solid	Increment, Prep	
240-22663-44MS	Matrix Spike	T	Solid		
240-22663-44MSD	Matrix Spike Duplicate	T	Solid		
240-22663-44	068SB-0031M-0001-SO	T	Solid	Increment, Prep	
Prep Batch: 240-81754					
LCS 240-81754/22-A	Lab Control Sample	T	Solid	3540C	
MB 240-81754/21-A	Method Blank	T	Solid	3540C	
240-22663-4	079SB-0014M-0001-SO	T	Solid	3540C	240-80915
240-22663-7	079SB-0017M-0001-SO	T	Solid	3540C	240-80915
240-22663-17	073SB-0041M-0001-SO	T	Solid	3540C	240-80915
240-22663-26	079SB-0026M-0001-SO	T	Solid	3540C	240-80915
240-22663-28	079SB-0028M-0001-SO	T	Solid	3540C	240-80915
240-22663-31	068SB-0017M-0001-SO	T	Solid	3540C	240-80915
240-22663-32	068SB-0018M-0001-SO	T	Solid	3540C	240-80915
240-22663-33	068SB-0019M-0001-SO	T	Solid	3540C	240-80915
240-22663-34	068SB-0022M-0001-SO	T	Solid	3540C	240-80915
240-22663-35	068SB-0020M-0001-SO	T	Solid	3540C	240-80915
240-22663-36	068SB-0023M-0001-SO	T	Solid	3540C	240-80915
240-22663-37	068SB-0024M-0001-SO	T	Solid	3540C	240-80915
240-22663-38	068SB-0025M-0001-SO	T	Solid	3540C	240-80915
240-22663-39	068SB-0032-0001-SO	T	Solid	3540C	
240-22663-40	068SB-0027M-0001-SO	T	Solid	3540C	240-80915
240-22663-41	068SB-0028M-0001-SO	T	Solid	3540C	240-80915
240-22663-43	068SB-0030M-0001-SO	T	Solid	3540C	240-80915
240-22663-44	068SB-0031M-0001-SO	T	Solid	3540C	240-80915
240-22663-44MS	Matrix Spike	T	Solid	3540C	240-80915
240-22663-44MSD	Matrix Spike Duplicate	T	Solid	3540C	240-80915

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:240-82876					
LCS 240-81754/22-A	Lab Control Sample	T	Solid	8270C/DoD	240-81754
MB 240-81754/21-A	Method Blank	T	Solid	8270C/DoD	240-81754
240-22663-31	068SB-0017M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-35	068SB-0020M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-36	068SB-0023M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-37	068SB-0024M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-38	068SB-0025M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-39	068SB-0032-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-40	068SB-0027M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-41	068SB-0028M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-43	068SB-0030M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-44	068SB-0031M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-44MS	Matrix Spike	T	Solid	8270C/DoD	240-81754
240-22663-44MSD	Matrix Spike Duplicate	T	Solid	8270C/DoD	240-81754
Analysis Batch:240-82940					
240-22663-4	079SB-0014M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-7	079SB-0017M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-17	073SB-0041M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-26	079SB-0026M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-28	079SB-0028M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-32	068SB-0018M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-33	068SB-0019M-0001-SO	T	Solid	8270C/DoD	240-81754
240-22663-34	068SB-0022M-0001-SO	T	Solid	8270C/DoD	240-81754

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-80915					
240-22663-4	079SB-0014M-0001-SO	T	Solid	Increment, Prep	
240-22663-4RE	079SB-0014M-0001-SO	T	Solid	Increment, Prep	
240-22663-7	079SB-0017M-0001-SO	T	Solid	Increment, Prep	
240-22663-7RE	079SB-0017M-0001-SO	T	Solid	Increment, Prep	
240-22663-10	070SB-0046M-0001-SB	T	Solid	Increment, Prep	
240-22663-10RE	070SB-0046M-0001-SB	T	Solid	Increment, Prep	
240-22663-17	073SB-0041M-0001-SO	T	Solid	Increment, Prep	
240-22663-17RE	073SB-0041M-0001-SO	T	Solid	Increment, Prep	
240-22663-26	079SB-0026M-0001-SO	T	Solid	Increment, Prep	
240-22663-26RE	079SB-0026M-0001-SO	T	Solid	Increment, Prep	
240-22663-28	079SB-0028M-0001-SO	T	Solid	Increment, Prep	
240-22663-28RE	079SB-0028M-0001-SO	T	Solid	Increment, Prep	
240-22663-28MSRE	Matrix Spike	T	Solid	Increment, Prep	
240-22663-28MSDRE	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-22663-31	068SB-0017M-0001-SO	T	Solid	Increment, Prep	
240-22663-32	068SB-0018M-0001-SO	T	Solid	Increment, Prep	
240-22663-33	068SB-0019M-0001-SO	T	Solid	Increment, Prep	
240-22663-34	068SB-0022M-0001-SO	T	Solid	Increment, Prep	
240-22663-35	068SB-0020M-0001-SO	T	Solid	Increment, Prep	
240-22663-36	068SB-0023M-0001-SO	T	Solid	Increment, Prep	
240-22663-37	068SB-0024M-0001-SO	T	Solid	Increment, Prep	
240-22663-38	068SB-0025M-0001-SO	T	Solid	Increment, Prep	
240-22663-40	068SB-0027M-0001-SO	T	Solid	Increment, Prep	
240-22663-41	068SB-0028M-0001-SO	T	Solid	Increment, Prep	
240-22663-43	068SB-0030M-0001-SO	T	Solid	Increment, Prep	
240-22663-44	068SB-0031M-0001-SO	T	Solid	Increment, Prep	
Prep Batch: 240-81726					
LCS 240-81726/22-A	Lab Control Sample	T	Solid	3540C	
MB 240-81726/21-A	Method Blank	T	Solid	3540C	
240-22663-4	079SB-0014M-0001-SO	T	Solid	3540C	240-80915
240-22663-7	079SB-0017M-0001-SO	T	Solid	3540C	240-80915
240-22663-10	070SB-0046M-0001-SB	T	Solid	3540C	240-80915
240-22663-17	073SB-0041M-0001-SO	T	Solid	3540C	240-80915
240-22663-26	079SB-0026M-0001-SO	T	Solid	3540C	240-80915
240-22663-28	079SB-0028M-0001-SO	T	Solid	3540C	240-80915
Prep Batch: 240-81730					
LCS 240-81730/21-A	Lab Control Sample	T	Solid	3540C	
MB 240-81730/20-A	Method Blank	T	Solid	3540C	
240-22663-4	079SB-0014M-0001-SO	T	Solid	3540C	240-80915
240-22663-7	079SB-0017M-0001-SO	T	Solid	3540C	240-80915
240-22663-17	073SB-0041M-0001-SO	T	Solid	3540C	240-80915
240-22663-26	079SB-0026M-0001-SO	T	Solid	3540C	240-80915
240-22663-28	079SB-0028M-0001-SO	T	Solid	3540C	240-80915

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-81736					
LCS 240-81736/23-A	Lab Control Sample	T	Solid	3540C	
MB 240-81736/24-A	Method Blank	T	Solid	3540C	
240-22663-31	068SB-0017M-0001-SO	T	Solid	3540C	240-80915
240-22663-32	068SB-0018M-0001-SO	T	Solid	3540C	240-80915
240-22663-33	068SB-0019M-0001-SO	T	Solid	3540C	240-80915
240-22663-34	068SB-0022M-0001-SO	T	Solid	3540C	240-80915
240-22663-35	068SB-0020M-0001-SO	T	Solid	3540C	240-80915
240-22663-36	068SB-0023M-0001-SO	T	Solid	3540C	240-80915
240-22663-37	068SB-0024M-0001-SO	T	Solid	3540C	240-80915
240-22663-38	068SB-0025M-0001-SO	T	Solid	3540C	240-80915
240-22663-39	068SB-0032-0001-SO	T	Solid	3540C	
240-22663-40	068SB-0027M-0001-SO	T	Solid	3540C	240-80915
240-22663-41	068SB-0028M-0001-SO	T	Solid	3540C	240-80915
240-22663-43	068SB-0030M-0001-SO	T	Solid	3540C	240-80915
240-22663-44	068SB-0031M-0001-SO	T	Solid	3540C	240-80915
Analysis Batch:240-82267					
MB 240-81736/24-A	Method Blank	T	Solid	8082/DOD	240-81736
240-22663-31	068SB-0017M-0001-SO	T	Solid	8082/DOD	240-81736
240-22663-32	068SB-0018M-0001-SO	T	Solid	8082/DOD	240-81736
240-22663-33	068SB-0019M-0001-SO	T	Solid	8082/DOD	240-81736
240-22663-34	068SB-0022M-0001-SO	T	Solid	8082/DOD	240-81736
240-22663-35	068SB-0020M-0001-SO	T	Solid	8082/DOD	240-81736
240-22663-36	068SB-0023M-0001-SO	T	Solid	8082/DOD	240-81736
240-22663-37	068SB-0024M-0001-SO	T	Solid	8082/DOD	240-81736
240-22663-38	068SB-0025M-0001-SO	T	Solid	8082/DOD	240-81736
240-22663-39	068SB-0032-0001-SO	T	Solid	8082/DOD	240-81736
240-22663-40	068SB-0027M-0001-SO	T	Solid	8082/DOD	240-81736
240-22663-41	068SB-0028M-0001-SO	T	Solid	8082/DOD	240-81736
240-22663-43	068SB-0030M-0001-SO	T	Solid	8082/DOD	240-81736
240-22663-44	068SB-0031M-0001-SO	T	Solid	8082/DOD	240-81736
Analysis Batch:240-82363					
LCS 240-81730/21-A	Lab Control Sample	T	Solid	8082/DOD	240-81730
MB 240-81730/20-A	Method Blank	T	Solid	8082/DOD	240-81730
240-22663-4	079SB-0014M-0001-SO	T	Solid	8082/DOD	240-81730
240-22663-7	079SB-0017M-0001-SO	T	Solid	8082/DOD	240-81730
240-22663-17	073SB-0041M-0001-SO	T	Solid	8082/DOD	240-81730
240-22663-26	079SB-0026M-0001-SO	T	Solid	8082/DOD	240-81730
240-22663-28	079SB-0028M-0001-SO	T	Solid	8082/DOD	240-81730
Analysis Batch:240-82656					
LCS 240-81736/23-A	Lab Control Sample	T	Solid	8082/DOD	240-81736

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-82685					
LCS 240-81726/22-A	Lab Control Sample	T	Solid	8081/DOD	240-81726
MB 240-81726/21-A	Method Blank	T	Solid	8081/DOD	240-81726
Analysis Batch:240-82857					
240-22663-4	079SB-0014M-0001-SO	T	Solid	8081/DOD	240-81726
240-22663-7	079SB-0017M-0001-SO	T	Solid	8081/DOD	240-81726
240-22663-10	070SB-0046M-0001-SB	T	Solid	8081/DOD	240-81726
240-22663-17	073SB-0041M-0001-SO	T	Solid	8081/DOD	240-81726
240-22663-26	079SB-0026M-0001-SO	T	Solid	8081/DOD	240-81726
240-22663-28	079SB-0028M-0001-SO	T	Solid	8081/DOD	240-81726
Prep Batch: 240-83135					
LCS 240-83135/19-A	Lab Control Sample	T	Solid	3540C	
MB 240-83135/18-A	Method Blank	T	Solid	3540C	
240-22663-4RE	079SB-0014M-0001-SO	T	Solid	3540C	240-80915
240-22663-7RE	079SB-0017M-0001-SO	T	Solid	3540C	240-80915
240-22663-10RE	070SB-0046M-0001-SB	T	Solid	3540C	240-80915
240-22663-17RE	073SB-0041M-0001-SO	T	Solid	3540C	240-80915
240-22663-26RE	079SB-0026M-0001-SO	T	Solid	3540C	240-80915
240-22663-28RE	079SB-0028M-0001-SO	T	Solid	3540C	240-80915
240-22663-28MSRE	Matrix Spike	T	Solid	3540C	240-80915
240-22663-28MSDRE	Matrix Spike Duplicate	T	Solid	3540C	240-80915
Analysis Batch:240-83400					
LCS 240-83135/19-A	Lab Control Sample	T	Solid	8081/DOD	240-83135
MB 240-83135/18-A	Method Blank	T	Solid	8081/DOD	240-83135
240-22663-4RE	079SB-0014M-0001-SO	T	Solid	8081/DOD	240-83135
240-22663-7RE	079SB-0017M-0001-SO	T	Solid	8081/DOD	240-83135
240-22663-10RE	070SB-0046M-0001-SB	T	Solid	8081/DOD	240-83135
240-22663-17RE	073SB-0041M-0001-SO	T	Solid	8081/DOD	240-83135
240-22663-26RE	079SB-0026M-0001-SO	T	Solid	8081/DOD	240-83135
240-22663-28RE	079SB-0028M-0001-SO	T	Solid	8081/DOD	240-83135
240-22663-28MSRE	Matrix Spike	T	Solid	8081/DOD	240-83135
240-22663-28MSDRE	Matrix Spike Duplicate	T	Solid	8081/DOD	240-83135
Prep Batch: 240-83675					
LCS 240-83675/21-A	Lab Control Sample	T	Solid	3540C	
MB 240-83675/20-A	Method Blank	T	Solid	3540C	
240-22663-26	079SB-0026M-0001-SO	T	Solid	3540C	240-80915
240-22663-28	079SB-0028M-0001-SO	T	Solid	3540C	240-80915

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-83996					
LCS 240-83675/21-A	Lab Control Sample	T	Solid	8082/DOD	240-83675
MB 240-83675/20-A	Method Blank	T	Solid	8082/DOD	240-83675
240-22663-26	079SB-0026M-0001-SO	T	Solid	8082/DOD	240-83675
240-22663-28	079SB-0028M-0001-SO	T	Solid	8082/DOD	240-83675

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 180-69114					
LCS 180-69114/2-A	Lab Control Sample	T	Solid	3050B	
MB 180-69114/1-A	Method Blank	T	Solid	3050B	
240-22663-1	079SB-0010M-0001-SO	T	Solid	3050B	
240-22663-2	079SB-0011M-0001-SO	T	Solid	3050B	
240-22663-3	079SB-0013M-0001-SO	T	Solid	3050B	
240-22663-4	079SB-0014M-0001-SO	T	Solid	3050B	
240-22663-5	079SB-0015M-0001,0002-SO	T	Solid	3050B	
240-22663-5DU	Duplicate	T	Solid	3050B	
240-22663-5MS	Matrix Spike	T	Solid	3050B	
240-22663-6	079SB-0016M-0001-SO	T	Solid	3050B	
240-22663-7	079SB-0017M-0001-SO	T	Solid	3050B	
240-22663-8	079SB-0020M-0001-SO	T	Solid	3050B	
240-22663-9	079SB-0019M-0001-SO	T	Solid	3050B	
240-22663-11	073SS-0035M-0001-SO	T	Solid	3050B	
240-22663-12	073SB-0036M-0001-SO	T	Solid	3050B	
240-22663-13	073SB-0037M-0001-SO	T	Solid	3050B	
240-22663-14	073SB-0038M-0001-SO	T	Solid	3050B	
240-22663-15	073SB-0039M-0001-SO	T	Solid	3050B	
Prep Batch: 180-69160					
LCS 180-69160/2-A	Lab Control Sample	T	Solid	3050B	
MB 180-69160/1-A	Method Blank	T	Solid	3050B	
240-22663-16	073SB-0040M-0001,0002-SO	T	Solid	3050B	
240-22663-16DU	Duplicate	T	Solid	3050B	
240-22663-16MS	Matrix Spike	T	Solid	3050B	
240-22663-17	073SB-0041M-0001-SO	T	Solid	3050B	
240-22663-18	073SB-0042M-0001-SO	T	Solid	3050B	
240-22663-19	073SB-0043M-0001-SO	T	Solid	3050B	
240-22663-20	073SB-0044-0001-SO	T	Solid	3050B	
240-22663-21	079SB-0021M-0001-SO	T	Solid	3050B	
240-22663-22	079SB-0022M-0001-SO	T	Solid	3050B	
240-22663-23	079SB-0023M-0001-SO	T	Solid	3050B	
240-22663-25	079SB-0025M-0001-SO	T	Solid	3050B	
240-22663-26	079SB-0026M-0001-SO	T	Solid	3050B	
240-22663-27	079SB-0027M-0001-SO	T	Solid	3050B	
240-22663-28	079SB-0028M-0001-SO	T	Solid	3050B	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 180-69260					
LCS 180-69260/2-A	Lab Control Sample	T	Solid	3050B	
MB 180-69260/1-A	Method Blank	T	Solid	3050B	
240-22663-24	079SB-0024M-0001,0002-SO	T	Solid	3050B	
240-22663-24DU	Duplicate	T	Solid	3050B	
240-22663-24MS	Matrix Spike	T	Solid	3050B	
240-22663-29	079SB-0029-0001-SO	T	Solid	3050B	
240-22663-31	068SB-0017M-0001-SO	T	Solid	3050B	
240-22663-32	068SB-0018M-0001-SO	T	Solid	3050B	
240-22663-33	068SB-0019M-0001-SO	T	Solid	3050B	
240-22663-34	068SB-0022M-0001-SO	T	Solid	3050B	
240-22663-35	068SB-0020M-0001-SO	T	Solid	3050B	
240-22663-36	068SB-0023M-0001-SO	T	Solid	3050B	
240-22663-37	068SB-0024M-0001-SO	T	Solid	3050B	
240-22663-38	068SB-0025M-0001-SO	T	Solid	3050B	
240-22663-39	068SB-0032-0001-SO	T	Solid	3050B	
240-22663-40	068SB-0027M-0001-SO	T	Solid	3050B	
240-22663-41	068SB-0028M-0001-SO	T	Solid	3050B	
240-22663-43	068SB-0030M-0001-SO	T	Solid	3050B	
240-22663-44	068SB-0031M-0001-SO	T	Solid	3050B	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:180-70845					
LCS 180-69114/2-A	Lab Control Sample	T	Solid	6020/DOD	180-69114
MB 180-69114/1-A	Method Blank	T	Solid	6020/DOD	180-69114
LCS 180-69160/2-A	Lab Control Sample	T	Solid	6020/DOD	180-69160
MB 180-69160/1-A	Method Blank	T	Solid	6020/DOD	180-69160
LCS 180-69260/2-A	Lab Control Sample	T	Solid	6020/DOD	180-69260
MB 180-69260/1-A	Method Blank	T	Solid	6020/DOD	180-69260
240-22663-1	079SB-0010M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-2	079SB-0011M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-3	079SB-0013M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-4	079SB-0014M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-5	079SB-0015M-0001,0002-SO	T	Solid	6020/DOD	180-69114
240-22663-5DU	Duplicate	T	Solid	6020/DOD	180-69114
240-22663-5MS	Matrix Spike	T	Solid	6020/DOD	180-69114
240-22663-6	079SB-0016M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-7	079SB-0017M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-8	079SB-0020M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-9	079SB-0019M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-11	073SS-0035M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-12	073SB-0036M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-13	073SB-0037M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-14	073SB-0038M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-15	073SB-0039M-0001-SO	T	Solid	6020/DOD	180-69114
240-22663-16	073SB-0040M-0001,0002-SO	T	Solid	6020/DOD	180-69160
240-22663-16DU	Duplicate	T	Solid	6020/DOD	180-69160
240-22663-16MS	Matrix Spike	T	Solid	6020/DOD	180-69160
240-22663-17	073SB-0041M-0001-SO	T	Solid	6020/DOD	180-69160
240-22663-18	073SB-0042M-0001-SO	T	Solid	6020/DOD	180-69160
240-22663-19	073SB-0043M-0001-SO	T	Solid	6020/DOD	180-69160
240-22663-20	073SB-0044-0001-SO	T	Solid	6020/DOD	180-69160
240-22663-21	079SB-0021M-0001-SO	T	Solid	6020/DOD	180-69160
240-22663-22	079SB-0022M-0001-SO	T	Solid	6020/DOD	180-69160
240-22663-23	079SB-0023M-0001-SO	T	Solid	6020/DOD	180-69160
240-22663-24	079SB-0024M-0001,0002-SO	T	Solid	6020/DOD	180-69260
240-22663-24DU	Duplicate	T	Solid	6020/DOD	180-69260
240-22663-24MS	Matrix Spike	T	Solid	6020/DOD	180-69260
240-22663-25	079SB-0025M-0001-SO	T	Solid	6020/DOD	180-69160
240-22663-26	079SB-0026M-0001-SO	T	Solid	6020/DOD	180-69160
240-22663-27	079SB-0027M-0001-SO	T	Solid	6020/DOD	180-69160
240-22663-28	079SB-0028M-0001-SO	T	Solid	6020/DOD	180-69160
240-22663-29	079SB-0029-0001-SO	T	Solid	6020/DOD	180-69260
240-22663-31	068SB-0017M-0001-SO	T	Solid	6020/DOD	180-69260
240-22663-32	068SB-0018M-0001-SO	T	Solid	6020/DOD	180-69260
240-22663-33	068SB-0019M-0001-SO	T	Solid	6020/DOD	180-69260
240-22663-34	068SB-0022M-0001-SO	T	Solid	6020/DOD	180-69260
240-22663-35	068SB-0020M-0001-SO	T	Solid	6020/DOD	180-69260
240-22663-36	068SB-0023M-0001-SO	T	Solid	6020/DOD	180-69260

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:180-70845					
240-22663-37	068SB-0024M-0001-SO	T	Solid	6020/DOD	180-69260
240-22663-38	068SB-0025M-0001-SO	T	Solid	6020/DOD	180-69260
240-22663-39	068SB-0032-0001-SO	T	Solid	6020/DOD	180-69260
240-22663-40	068SB-0027M-0001-SO	T	Solid	6020/DOD	180-69260
240-22663-41	068SB-0028M-0001-SO	T	Solid	6020/DOD	180-69260
240-22663-43	068SB-0030M-0001-SO	T	Solid	6020/DOD	180-69260
240-22663-44	068SB-0031M-0001-SO	T	Solid	6020/DOD	180-69260

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-80915					
240-22663-1	079SB-0010M-0001-SO	T	Solid	Increment, Prep	
240-22663-2	079SB-0011M-0001-SO	T	Solid	Increment, Prep	
240-22663-3	079SB-0013M-0001-SO	T	Solid	Increment, Prep	
240-22663-4	079SB-0014M-0001-SO	T	Solid	Increment, Prep	
240-22663-5	079SB-0015M-0001,0002-SO	T	Solid	Increment, Prep	
240-22663-5DU	Duplicate	T	Solid	Increment, Prep	
240-22663-5MS	Matrix Spike	T	Solid	Increment, Prep	
240-22663-6	079SB-0016M-0001-SO	T	Solid	Increment, Prep	
240-22663-7	079SB-0017M-0001-SO	T	Solid	Increment, Prep	
240-22663-8	079SB-0020M-0001-SO	T	Solid	Increment, Prep	
240-22663-9	079SB-0019M-0001-SO	T	Solid	Increment, Prep	
240-22663-11	073SS-0035M-0001-SO	T	Solid	Increment, Prep	
240-22663-12	073SB-0036M-0001-SO	T	Solid	Increment, Prep	
240-22663-13	073SB-0037M-0001-SO	T	Solid	Increment, Prep	
240-22663-14	073SB-0038M-0001-SO	T	Solid	Increment, Prep	
240-22663-15	073SB-0039M-0001-SO	T	Solid	Increment, Prep	
240-22663-16	073SB-0040M-0001,0002-SO	T	Solid	Increment, Prep	
240-22663-16DU	Duplicate	T	Solid	Increment, Prep	
240-22663-16MS	Matrix Spike	T	Solid	Increment, Prep	
240-22663-17	073SB-0041M-0001-SO	T	Solid	Increment, Prep	
240-22663-18	073SB-0042M-0001-SO	T	Solid	Increment, Prep	
240-22663-19	073SB-0043M-0001-SO	T	Solid	Increment, Prep	
240-22663-21	079SB-0021M-0001-SO	T	Solid	Increment, Prep	
240-22663-22	079SB-0022M-0001-SO	T	Solid	Increment, Prep	
240-22663-23	079SB-0023M-0001-SO	T	Solid	Increment, Prep	
240-22663-24	079SB-0024M-0001,0002-SO	T	Solid	Increment, Prep	
240-22663-24DU	Duplicate	T	Solid	Increment, Prep	
240-22663-24MS	Matrix Spike	T	Solid	Increment, Prep	
240-22663-25	079SB-0025M-0001-SO	T	Solid	Increment, Prep	
240-22663-26	079SB-0026M-0001-SO	T	Solid	Increment, Prep	
240-22663-27	079SB-0027M-0001-SO	T	Solid	Increment, Prep	
240-22663-28	079SB-0028M-0001-SO	T	Solid	Increment, Prep	
240-22663-31	068SB-0017M-0001-SO	T	Solid	Increment, Prep	
240-22663-32	068SB-0018M-0001-SO	T	Solid	Increment, Prep	
240-22663-33	068SB-0019M-0001-SO	T	Solid	Increment, Prep	
240-22663-34	068SB-0022M-0001-SO	T	Solid	Increment, Prep	
240-22663-35	068SB-0020M-0001-SO	T	Solid	Increment, Prep	
240-22663-36	068SB-0023M-0001-SO	T	Solid	Increment, Prep	
240-22663-37	068SB-0024M-0001-SO	T	Solid	Increment, Prep	
240-22663-38	068SB-0025M-0001-SO	T	Solid	Increment, Prep	
240-22663-40	068SB-0027M-0001-SO	T	Solid	Increment, Prep	
240-22663-41	068SB-0028M-0001-SO	T	Solid	Increment, Prep	
240-22663-43	068SB-0030M-0001-SO	T	Solid	Increment, Prep	
240-22663-44	068SB-0031M-0001-SO	T	Solid	Increment, Prep	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-81976					
LCS 240-81976/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-81976/1-A	Method Blank	T	Solid	7471A	
240-22663-1	079SB-0010M-0001-SO	T	Solid	7471A	240-80915
240-22663-2	079SB-0011M-0001-SO	T	Solid	7471A	240-80915
240-22663-3	079SB-0013M-0001-SO	T	Solid	7471A	240-80915
240-22663-4	079SB-0014M-0001-SO	T	Solid	7471A	240-80915
240-22663-5	079SB-0015M-0001,0002-SO	T	Solid	7471A	240-80915
240-22663-5DU	Duplicate	T	Solid	7471A	240-80915
240-22663-5MS	Matrix Spike	T	Solid	7471A	240-80915
240-22663-6	079SB-0016M-0001-SO	T	Solid	7471A	240-80915
240-22663-7	079SB-0017M-0001-SO	T	Solid	7471A	240-80915
240-22663-8	079SB-0020M-0001-SO	T	Solid	7471A	240-80915
240-22663-9	079SB-0019M-0001-SO	T	Solid	7471A	240-80915
240-22663-11	073SS-0035M-0001-SO	T	Solid	7471A	240-80915
240-22663-12	073SB-0036M-0001-SO	T	Solid	7471A	240-80915
240-22663-13	073SB-0037M-0001-SO	T	Solid	7471A	240-80915
240-22663-14	073SB-0038M-0001-SO	T	Solid	7471A	240-80915
240-22663-15	073SB-0039M-0001-SO	T	Solid	7471A	240-80915
240-22663-16	073SB-0040M-0001,0002-SO	T	Solid	7471A	240-80915
240-22663-16DU	Duplicate	T	Solid	7471A	240-80915
240-22663-16MS	Matrix Spike	T	Solid	7471A	240-80915
240-22663-17	073SB-0041M-0001-SO	T	Solid	7471A	240-80915
240-22663-18	073SB-0042M-0001-SO	T	Solid	7471A	240-80915
240-22663-19	073SB-0043M-0001-SO	T	Solid	7471A	240-80915
240-22663-20	073SB-0044-0001-SO	T	Solid	7471A	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-82179					
LCS 240-82179/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-82179/1-A	Method Blank	T	Solid	7471A	
240-22663-21	079SB-0021M-0001-SO	T	Solid	7471A	240-80915
240-22663-22	079SB-0022M-0001-SO	T	Solid	7471A	240-80915
240-22663-23	079SB-0023M-0001-SO	T	Solid	7471A	240-80915
240-22663-24	079SB-0024M-0001,0002-SO	T	Solid	7471A	240-80915
240-22663-24DU	Duplicate	T	Solid	7471A	240-80915
240-22663-24MS	Matrix Spike	T	Solid	7471A	240-80915
240-22663-25	079SB-0025M-0001-SO	T	Solid	7471A	240-80915
240-22663-26	079SB-0026M-0001-SO	T	Solid	7471A	240-80915
240-22663-27	079SB-0027M-0001-SO	T	Solid	7471A	240-80915
240-22663-28	079SB-0028M-0001-SO	T	Solid	7471A	240-80915
240-22663-29	079SB-0029-0001-SO	T	Solid	7471A	
240-22663-31	068SB-0017M-0001-SO	T	Solid	7471A	240-80915
240-22663-32	068SB-0018M-0001-SO	T	Solid	7471A	240-80915
240-22663-33	068SB-0019M-0001-SO	T	Solid	7471A	240-80915
240-22663-34	068SB-0022M-0001-SO	T	Solid	7471A	240-80915
240-22663-35	068SB-0020M-0001-SO	T	Solid	7471A	240-80915
240-22663-36	068SB-0023M-0001-SO	T	Solid	7471A	240-80915
240-22663-37	068SB-0024M-0001-SO	T	Solid	7471A	240-80915
240-22663-38	068SB-0025M-0001-SO	T	Solid	7471A	240-80915

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-82289					
LCS 240-81976/2-A	Lab Control Sample	T	Solid	7471/DOD	240-81976
MB 240-81976/1-A	Method Blank	T	Solid	7471/DOD	240-81976
240-22663-1	079SB-0010M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-2	079SB-0011M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-3	079SB-0013M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-4	079SB-0014M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-5	079SB-0015M-0001,0002-SO	T	Solid	7471/DOD	240-81976
240-22663-5DU	Duplicate	T	Solid	7471/DOD	240-81976
240-22663-5MS	Matrix Spike	T	Solid	7471/DOD	240-81976
240-22663-6	079SB-0016M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-7	079SB-0017M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-8	079SB-0020M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-9	079SB-0019M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-11	073SS-0035M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-12	073SB-0036M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-13	073SB-0037M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-14	073SB-0038M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-15	073SB-0039M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-16	073SB-0040M-0001,0002-SO	T	Solid	7471/DOD	240-81976
240-22663-16DU	Duplicate	T	Solid	7471/DOD	240-81976
240-22663-16MS	Matrix Spike	T	Solid	7471/DOD	240-81976
240-22663-17	073SB-0041M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-18	073SB-0042M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-19	073SB-0043M-0001-SO	T	Solid	7471/DOD	240-81976
240-22663-20	073SB-0044-0001-SO	T	Solid	7471/DOD	240-81976
Prep Batch: 240-82367					
LCS 240-82367/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-82367/1-A	Method Blank	T	Solid	7471A	
240-22663-39	068SB-0032-0001-SO	T	Solid	7471A	
240-22663-40	068SB-0027M-0001-SO	T	Solid	7471A	240-80915
240-22663-41	068SB-0028M-0001-SO	T	Solid	7471A	240-80915
240-22663-43	068SB-0030M-0001-SO	T	Solid	7471A	240-80915
240-22663-44	068SB-0031M-0001-SO	T	Solid	7471A	240-80915

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-82449					
LCS 240-82179/2-A	Lab Control Sample	T	Solid	7471/DOD	240-82179
MB 240-82179/1-A	Method Blank	T	Solid	7471/DOD	240-82179
240-22663-21	079SB-0021M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-22	079SB-0022M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-23	079SB-0023M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-24	079SB-0024M-0001,0002-SO	T	Solid	7471/DOD	240-82179
240-22663-24DU	Duplicate	T	Solid	7471/DOD	240-82179
240-22663-24MS	Matrix Spike	T	Solid	7471/DOD	240-82179
240-22663-25	079SB-0025M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-26	079SB-0026M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-27	079SB-0027M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-28	079SB-0028M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-29	079SB-0029-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-31	068SB-0017M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-32	068SB-0018M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-33	068SB-0019M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-34	068SB-0022M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-35	068SB-0020M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-36	068SB-0023M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-37	068SB-0024M-0001-SO	T	Solid	7471/DOD	240-82179
240-22663-38	068SB-0025M-0001-SO	T	Solid	7471/DOD	240-82179
Analysis Batch:240-82912					
LCS 240-82367/2-A	Lab Control Sample	T	Solid	7471/DOD	240-82367
MB 240-82367/1-A	Method Blank	T	Solid	7471/DOD	240-82367
240-22663-39	068SB-0032-0001-SO	T	Solid	7471/DOD	240-82367
240-22663-40	068SB-0027M-0001-SO	T	Solid	7471/DOD	240-82367
240-22663-41	068SB-0028M-0001-SO	T	Solid	7471/DOD	240-82367
240-22663-43	068SB-0030M-0001-SO	T	Solid	7471/DOD	240-82367
240-22663-44	068SB-0031M-0001-SO	T	Solid	7471/DOD	240-82367

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 320-14752					
LCS 320-14670/2-B	Lab Control Sample	T	Solid	353 (NCell-Hyd)	
MB 320-14670/1-B	Method Blank	T	Solid	353 (NCell-Hyd)	
240-22663-4	079SB-0014M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-22663-7	079SB-0017M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-22663-17	073SB-0041M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-22663-26	079SB-0026M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-22663-28	079SB-0028M-0001-SO	T	Solid	353 (NCell-Hyd)	
Analysis Batch:320-14914					
LCS 320-14670/2-B	Lab Control Sample	T	Solid	WS-WC-0050	320-14752
MB 320-14670/1-B	Method Blank	T	Solid	WS-WC-0050	320-14752
240-22663-4	079SB-0014M-0001-SO	T	Solid	WS-WC-0050	320-14752
240-22663-7	079SB-0017M-0001-SO	T	Solid	WS-WC-0050	320-14752
240-22663-17	073SB-0041M-0001-SO	T	Solid	WS-WC-0050	320-14752
240-22663-26	079SB-0026M-0001-SO	T	Solid	WS-WC-0050	320-14752
240-22663-28	079SB-0028M-0001-SO	T	Solid	WS-WC-0050	320-14752

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-80985					
240-22663-1	079SB-0010M-0001-SO	T	Solid	Moisture	
240-22663-2	079SB-0011M-0001-SO	T	Solid	Moisture	
240-22663-3	079SB-0013M-0001-SO	T	Solid	Moisture	
240-22663-4	079SB-0014M-0001-SO	T	Solid	Moisture	
240-22663-5	079SB-0015M-0001,0002-SO	T	Solid	Moisture	
240-22663-5DU	Duplicate	T	Solid	Moisture	
240-22663-6	079SB-0016M-0001-SO	T	Solid	Moisture	
240-22663-7	079SB-0017M-0001-SO	T	Solid	Moisture	
240-22663-8	079SB-0020M-0001-SO	T	Solid	Moisture	
240-22663-9	079SB-0019M-0001-SO	T	Solid	Moisture	
240-22663-10	070SB-0046M-0001-SB	T	Solid	Moisture	
240-22663-11	073SS-0035M-0001-SO	T	Solid	Moisture	
240-22663-12	073SB-0036M-0001-SO	T	Solid	Moisture	
240-22663-13	073SB-0037M-0001-SO	T	Solid	Moisture	
240-22663-14	073SB-0038M-0001-SO	T	Solid	Moisture	
240-22663-15	073SB-0039M-0001-SO	T	Solid	Moisture	
240-22663-16	073SB-0040M-0001,0002-SO	T	Solid	Moisture	
240-22663-16DU	Duplicate	T	Solid	Moisture	
240-22663-17	073SB-0041M-0001-SO	T	Solid	Moisture	
240-22663-18	073SB-0042M-0001-SO	T	Solid	Moisture	
240-22663-19	073SB-0043M-0001-SO	T	Solid	Moisture	
240-22663-20	073SB-0044-0001-SO	T	Solid	Moisture	
240-22663-21	079SB-0021M-0001-SO	T	Solid	Moisture	
240-22663-22	079SB-0022M-0001-SO	T	Solid	Moisture	
240-22663-23	079SB-0023M-0001-SO	T	Solid	Moisture	
240-22663-24	079SB-0024M-0001,0002-SO	T	Solid	Moisture	
240-22663-24DU	Duplicate	T	Solid	Moisture	
240-22663-25	079SB-0025M-0001-SO	T	Solid	Moisture	
240-22663-26	079SB-0026M-0001-SO	T	Solid	Moisture	
240-22663-27	079SB-0027M-0001-SO	T	Solid	Moisture	
240-22663-28	079SB-0028M-0001-SO	T	Solid	Moisture	
240-22663-29	079SB-0029-0001-SO	T	Solid	Moisture	
240-22663-31	068SB-0017M-0001-SO	T	Solid	Moisture	
240-22663-32	068SB-0018M-0001-SO	T	Solid	Moisture	
240-22663-33	068SB-0019M-0001-SO	T	Solid	Moisture	
240-22663-34	068SB-0022M-0001-SO	T	Solid	Moisture	
240-22663-35	068SB-0020M-0001-SO	T	Solid	Moisture	
240-22663-36	068SB-0023M-0001-SO	T	Solid	Moisture	
240-22663-37	068SB-0024M-0001-SO	T	Solid	Moisture	
240-22663-37DU	Duplicate	T	Solid	Moisture	
240-22663-38	068SB-0025M-0001-SO	T	Solid	Moisture	
240-22663-39	068SB-0032-0001-SO	T	Solid	Moisture	
240-22663-39DU	Duplicate	T	Solid	Moisture	
240-22663-40	068SB-0027M-0001-SO	T	Solid	Moisture	
240-22663-41	068SB-0028M-0001-SO	T	Solid	Moisture	
240-22663-43	068SB-0030M-0001-SO	T	Solid	Moisture	

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-80985					
240-22663-44	068SB-0031M-0001-SO	T	Solid	Moisture	

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 320-14065					
LCS 320-14065/2-A	Lab Control Sample	T	Solid	8330B	
MB 320-14065/1-A	Method Blank	T	Solid	8330B	
240-22663-4	079SB-0014M-0001-SO	T	Solid	8330B	
240-22663-4MS	Matrix Spike	T	Solid	8330B	
240-22663-4MSD	Matrix Spike Duplicate	T	Solid	8330B	
240-22663-7	079SB-0017M-0001-SO	T	Solid	8330B	
240-22663-17	073SB-0041M-0001-SO	T	Solid	8330B	
240-22663-26	079SB-0026M-0001-SO	T	Solid	8330B	
240-22663-28	079SB-0028M-0001-SO	T	Solid	8330B	
Prep Batch: 320-14079					
LCS 320-14079/2-A	Lab Control Sample	T	Solid	Sieve/Ultrasoni	
MB 320-14079/1-A	Method Blank	T	Solid	Sieve/Ultrasoni	
240-22663-4	079SB-0014M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-22663-4MS	Matrix Spike	T	Solid	Sieve/Ultrasoni	
240-22663-4MSD	Matrix Spike Duplicate	T	Solid	Sieve/Ultrasoni	
240-22663-7	079SB-0017M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-22663-17	073SB-0041M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-22663-26	079SB-0026M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-22663-28	079SB-0028M-0001-SO	T	Solid	Sieve/Ultrasoni	
Analysis Batch:320-14432					
LCS 320-14079/2-A	Lab Control Sample	T	Solid	8330 Modified	320-14079
MB 320-14079/1-A	Method Blank	T	Solid	8330 Modified	320-14079
240-22663-4	079SB-0014M-0001-SO	T	Solid	8330 Modified	320-14079
240-22663-4MS	Matrix Spike	T	Solid	8330 Modified	320-14079
240-22663-4MSD	Matrix Spike Duplicate	T	Solid	8330 Modified	320-14079
240-22663-7	079SB-0017M-0001-SO	T	Solid	8330 Modified	320-14079
240-22663-17	073SB-0041M-0001-SO	T	Solid	8330 Modified	320-14079
240-22663-26	079SB-0026M-0001-SO	T	Solid	8330 Modified	320-14079
240-22663-28	079SB-0028M-0001-SO	T	Solid	8330 Modified	320-14079
Analysis Batch:320-14706					
LCS 320-14065/2-A	Lab Control Sample	T	Solid	8330B	320-14065
MB 320-14065/1-A	Method Blank	T	Solid	8330B	320-14065
240-22663-4	079SB-0014M-0001-SO	T	Solid	8330B	320-14065
240-22663-4MS	Matrix Spike	T	Solid	8330B	320-14065
240-22663-4MSD	Matrix Spike Duplicate	T	Solid	8330B	320-14065
240-22663-7	079SB-0017M-0001-SO	T	Solid	8330B	320-14065
240-22663-17	073SB-0041M-0001-SO	T	Solid	8330B	320-14065
240-22663-26	079SB-0026M-0001-SO	T	Solid	8330B	320-14065
240-22663-28	079SB-0028M-0001-SO	T	Solid	8330B	320-14065

Client: Environmental Chemical Corp. Job Number: 240-22663-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Analysis Batch:320-14998					
MB 320-14065/1-A	Method Blank	T	Solid	8330B	320-14065
240-22663-4	079SB-0014M-0001-SO	T	Solid	8330B	320-14065

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: 240-22663-1 **Client ID: 079SB-0010M-0001-SO**

Sample Date/Time: 04/01/2013 10:07 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-1-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-B-1-A		180-70845	180-69114	05/04/2013 22:32	1	TAL PIT	BR
P:7471A	240-22663-C-1-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-1-B		240-82289	240-81976	04/16/2013 12:21	1	TAL CAN	AS
A:Moisture	240-22663-A-1		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-2 **Client ID: 079SB-0011M-0001-SO**

Sample Date/Time: 04/01/2013 10:07 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-2-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-B-2-A		180-70845	180-69114	05/04/2013 22:40	1	TAL PIT	BR
P:7471A	240-22663-C-2-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-2-B		240-82289	240-81976	04/16/2013 12:22	1	TAL CAN	AS
A:Moisture	240-22663-A-2		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-3 **Client ID: 079SB-0013M-0001-SO**

Sample Date/Time: 04/01/2013 10:09 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-3-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-B-3-A		180-70845	180-69114	05/04/2013 22:48	1	TAL PIT	BR
P:7471A	240-22663-C-3-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-3-B		240-82289	240-81976	04/16/2013 12:24	1	TAL CAN	AS
A:Moisture	240-22663-A-3		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: 240-22663-4 **Client ID: 079SB-0014M-0001-SO**

Sample Date/Time: 04/01/2013 10:12 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-22663-B-4-A		240-80954	240-80597	04/02/2013 16:08	1	TAL CAN	LM
A:8260B/DoD	240-22663-B-4-A		240-80954	240-80597	04/08/2013 17:03	1	TAL CAN	SM
P:3540C	240-22663-G-4-D		240-82940	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-G-4-D		240-82940	240-81754	04/22/2013 12:38	5	TAL CAN	MU
P:3540C	240-22663-G-4-B		240-82857	240-81726	04/12/2013 11:07	1	TAL CAN	AC
A:8081/DOD	240-22663-G-4-B		240-82857	240-81726	04/20/2013 18:04	1	TAL CAN	RS
P:3540C	240-22663-G-4-F	RE	240-83400	240-83135	04/23/2013 08:54	1	TAL CAN	JS
A:8081/DOD	240-22663-G-4-F	RE	240-83400	240-83135	04/24/2013 19:13	1	TAL CAN	RS
P:3540C	240-22663-G-4-C		240-82363	240-81730	04/12/2013 11:18	1	TAL CAN	AC
A:8082/DOD	240-22663-G-4-C		240-82363	240-81730	04/18/2013 10:08	1	TAL CAN	LH
P:Sieve/Ultrasoni	240-22663-F-4-D		320-14432	320-14079	04/11/2013 10:07	1	TAL SAC	TP
A:8330 Modified	240-22663-F-4-D		320-14432	320-14079	04/16/2013 20:22	1	TAL SAC	kr
P:8330B	240-22663-F-4-A		320-14706	320-14065	04/11/2013 08:24	1	TAL SAC	TP
A:8330B	240-22663-F-4-A		320-14706	320-14065	04/20/2013 02:45	1	TAL SAC	NS
P:8330B	240-22663-F-4-A		320-14998	320-14065	04/11/2013 08:24	1	TAL SAC	TP
A:8330B	240-22663-F-4-A		320-14998	320-14065	04/25/2013 13:38	1	TAL SAC	RN
P:3050B	240-22663-E-4-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-E-4-A		180-70845	180-69114	05/04/2013 23:53	1	TAL PIT	BR
P:7471A	240-22663-G-4-E		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-G-4-E		240-82289	240-81976	04/16/2013 12:29	1	TAL CAN	AS
A:Moisture	240-22663-D-4		240-80985		04/08/2013 11:14	1	TAL CAN	JS
P:353 (NCell-Hyd)	240-22663-F-4-H		320-14914	320-14752	04/22/2013 06:13	1	TAL SAC	TP
A:WS-WC-0050	240-22663-F-4-H		320-14914	320-14752	04/23/2013 13:13	1	TAL SAC	JS

Lab ID: 240-22663-4 MS **Client ID: 079SB-0014M-0001-SO**

Sample Date/Time: 04/01/2013 10:12 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Sieve/Ultrasoni	240-22663-F-4-E MS		320-14432	320-14079	04/11/2013 10:07	1	TAL SAC	TP
A:8330 Modified	240-22663-F-4-E MS		320-14432	320-14079	04/16/2013 20:39	1	TAL SAC	kr
P:8330B	240-22663-F-4-B MS		320-14706	320-14065	04/11/2013 08:24	1	TAL SAC	TP
A:8330B	240-22663-F-4-B MS		320-14706	320-14065	04/20/2013 03:29	1	TAL SAC	NS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: 240-22663-4 MSD **Client ID: 079SB-0014M-0001-SO**

Sample Date/Time: 04/01/2013 10:12 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Sieve/Ultrasoni	240-22663-F-4-F MSD		320-14432	320-14079	04/11/2013 10:07	1	TAL SAC	TP
A:8330 Modified	240-22663-F-4-F MSD		320-14432	320-14079	04/16/2013 20:57	1	TAL SAC	kr
P:8330B	240-22663-F-4-C MSD		320-14706	320-14065	04/11/2013 08:24	1	TAL SAC	TP
A:8330B	240-22663-F-4-C MSD		320-14706	320-14065	04/20/2013 04:13	1	TAL SAC	NS

Lab ID: 240-22663-5 **Client ID: 079SB-0015M-0001,0002-SO**

Sample Date/Time: 04/01/2013 10:01 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-C-5-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-C-5-A		180-70845	180-69114	05/04/2013 22:56	1	TAL PIT	BR
P:7471A	240-22663-D-5-E		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-D-5-E		240-82289	240-81976	04/16/2013 12:10	1	TAL CAN	AS
A:Moisture	240-22663-A-5		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-5 **Client ID: 079SB-0015M-0001,0002-SO**

Sample Date/Time: 04/01/2013 10:01 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-A-5-B MS		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-A-5-B MS		180-70845	180-69114	05/04/2013 23:21	1	TAL PIT	BR
P:7471A	240-22663-D-5-F MS		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-D-5-F MS		240-82289	240-81976	04/16/2013 12:11	1	TAL CAN	AS

Lab ID: 240-22663-5 **Client ID: 079SB-0015M-0001,0002-SO**

Sample Date/Time: 04/01/2013 10:01 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-A-5-A DU		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-A-5-A DU		180-70845	180-69114	05/04/2013 23:12	1	TAL PIT	BR
P:7471A	240-22663-D-5-G DU		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-D-5-G DU		240-82289	240-81976	04/16/2013 12:14	1	TAL CAN	AS
A:Moisture	240-22663-B-5 DU		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: 240-22663-5 SD **Client ID: 079SB-0015M-0001,0002-SO**

Sample Date/Time: 04/01/2013 10:01 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-C-5-A SD ^5		180-70845	180-69114	04/15/2013 08:11	5	TAL PIT	CNS
A:6020/DOD	240-22663-C-5-A SD ^5		180-70845	180-69114	05/04/2013 23:04	5	TAL PIT	BR
P:3050B	240-22663-C-5-A PDS		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-C-5-A PDS		180-70845	180-69114	05/04/2013 23:29	1	TAL PIT	BR

Lab ID: 240-22663-6 **Client ID: 079SB-0016M-0001-SO**

Sample Date/Time: 04/01/2013 09:15 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-6-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-B-6-A		180-70845	180-69114	05/05/2013 00:02	1	TAL PIT	BR
P:7471A	240-22663-C-6-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-6-B		240-82289	240-81976	04/16/2013 12:31	1	TAL CAN	AS
A:Moisture	240-22663-A-6		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: 240-22663-7 **Client ID: 079SB-0017M-0001-SO**

Sample Date/Time: 04/01/2013 09:24 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-22663-B-7-A		240-80954	240-80597	04/02/2013 16:08	1	TAL CAN	LM
A:8260B/DoD	240-22663-B-7-A		240-80954	240-80597	04/08/2013 17:24	1	TAL CAN	SM
P:3540C	240-22663-G-7-D		240-82940	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-G-7-D		240-82940	240-81754	04/22/2013 14:23	5	TAL CAN	MU
P:3540C	240-22663-G-7-B		240-82857	240-81726	04/12/2013 11:07	1	TAL CAN	AC
A:8081/DOD	240-22663-G-7-B		240-82857	240-81726	04/20/2013 18:24	1	TAL CAN	RS
P:3540C	240-22663-G-7-F	RE	240-83400	240-83135	04/23/2013 08:54	1	TAL CAN	JS
A:8081/DOD	240-22663-G-7-F	RE	240-83400	240-83135	04/24/2013 19:33	1	TAL CAN	RS
P:3540C	240-22663-G-7-C		240-82363	240-81730	04/12/2013 11:18	1	TAL CAN	AC
A:8082/DOD	240-22663-G-7-C		240-82363	240-81730	04/18/2013 10:24	1	TAL CAN	LH
P:Sieve/Ultrasoni	240-22663-F-7-B		320-14432	320-14079	04/11/2013 10:07	1	TAL SAC	TP
A:8330 Modified	240-22663-F-7-B		320-14432	320-14079	04/16/2013 21:15	1	TAL SAC	kr
P:8330B	240-22663-F-7-A		320-14706	320-14065	04/11/2013 08:24	1	TAL SAC	TP
A:8330B	240-22663-F-7-A		320-14706	320-14065	04/20/2013 04:56	1	TAL SAC	NS
P:3050B	240-22663-E-7-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-E-7-A		180-70845	180-69114	05/05/2013 00:10	1	TAL PIT	BR
P:7471A	240-22663-G-7-E		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-G-7-E		240-82289	240-81976	04/16/2013 12:32	1	TAL CAN	AS
A:Moisture	240-22663-D-7		240-80985		04/08/2013 11:14	1	TAL CAN	JS
P:353 (NCell-Hyd)	240-22663-F-7-D		320-14914	320-14752	04/22/2013 06:13	1	TAL SAC	TP
A:WS-WC-0050	240-22663-F-7-D		320-14914	320-14752	04/23/2013 13:15	1	TAL SAC	JS

Lab ID: 240-22663-8 **Client ID: 079SB-0020M-0001-SO**

Sample Date/Time: 04/01/2013 09:24 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-8-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-B-8-A		180-70845	180-69114	05/05/2013 00:18	1	TAL PIT	BR
P:7471A	240-22663-C-8-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-8-B		240-82289	240-81976	04/16/2013 12:33	1	TAL CAN	AS
A:Moisture	240-22663-A-8		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-9 **Client ID: 079SB-0019M-0001-SO**

Sample Date/Time: 04/01/2013 09:45 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-C-9-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-C-9-A		180-70845	180-69114	05/05/2013 00:26	1	TAL PIT	BR
P:7471A	240-22663-B-9-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-B-9-B		240-82289	240-81976	04/16/2013 12:36	1	TAL CAN	AS
A:Moisture	240-22663-A-9		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: 240-22663-10 **Client ID: 070SB-0046M-0001-SB**

Sample Date/Time: 04/01/2013 15:00 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-B-10-B		240-82857	240-81726	04/12/2013 11:07	10	TAL CAN	AC
A:8081/DOD	240-22663-B-10-B		240-82857	240-81726	04/20/2013 18:44	10	TAL CAN	RS
P:3540C	240-22663-B-10-C	RE	240-83400	240-83135	04/23/2013 08:54	10	TAL CAN	JS
A:8081/DOD	240-22663-B-10-C	RE	240-83400	240-83135	04/24/2013 19:53	10	TAL CAN	RS
A:Moisture	240-22663-A-10		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-11 **Client ID: 073SS-0035M-0001-SO**

Sample Date/Time: 04/01/2013 14:20 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-11-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-B-11-A		180-70845	180-69114	05/05/2013 00:34	1	TAL PIT	BR
P:7471A	240-22663-C-11-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-11-B		240-82289	240-81976	04/16/2013 12:37	1	TAL CAN	AS
A:Moisture	240-22663-A-11		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-12 **Client ID: 073SB-0036M-0001-SO**

Sample Date/Time: 04/01/2013 13:45 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-12-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-B-12-A		180-70845	180-69114	05/05/2013 00:42	1	TAL PIT	BR
P:7471A	240-22663-C-12-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-12-B		240-82289	240-81976	04/16/2013 12:40	1	TAL CAN	AS
A:Moisture	240-22663-A-12		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-13 **Client ID: 073SB-0037M-0001-SO**

Sample Date/Time: 04/01/2013 13:50 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-13-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-B-13-A		180-70845	180-69114	05/05/2013 00:51	1	TAL PIT	BR
P:7471A	240-22663-C-13-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-13-B		240-82289	240-81976	04/16/2013 12:41	1	TAL CAN	AS
A:Moisture	240-22663-A-13		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

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Lab ID: 240-22663-14 **Client ID: 073SB-0038M-0001-SO**

Sample Date/Time: 04/01/2013 12:40 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-14-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-B-14-A		180-70845	180-69114	05/05/2013 00:59	1	TAL PIT	BR
P:7471A	240-22663-C-14-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-14-B		240-82289	240-81976	04/16/2013 12:42	1	TAL CAN	AS
A:Moisture	240-22663-A-14		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-15 **Client ID: 073SB-0039M-0001-SO**

Sample Date/Time: 04/01/2013 12:40 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-15-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	240-22663-B-15-A		180-70845	180-69114	05/05/2013 01:07	1	TAL PIT	BR
P:7471A	240-22663-C-15-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-15-B		240-82289	240-81976	04/16/2013 12:43	1	TAL CAN	AS
A:Moisture	240-22663-A-15		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-16 **Client ID: 073SB-0040M-0001,0002-SO**

Sample Date/Time: 04/01/2013 12:53 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-C-16-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-C-16-A		180-70845	180-69160	05/05/2013 01:48	1	TAL PIT	BR
P:7471A	240-22663-E-16-E		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-E-16-E		240-82289	240-81976	04/16/2013 12:15	1	TAL CAN	AS
A:Moisture	240-22663-A-16		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-16 **Client ID: 073SB-0040M-0001,0002-SO**

Sample Date/Time: 04/01/2013 12:53 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-A-16-B MS		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-A-16-B MS		180-70845	180-69160	05/05/2013 02:13	1	TAL PIT	BR
P:7471A	240-22663-E-16-F MS		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-E-16-F MS		240-82289	240-81976	04/16/2013 12:17	1	TAL CAN	AS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

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Lab ID: 240-22663-16 **Client ID: 073SB-0040M-0001,0002-SO**

Sample Date/Time: 04/01/2013 12:53 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-A-16-A DU		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-A-16-A DU		180-70845	180-69160	05/05/2013 02:05	1	TAL PIT	BR
P:7471A	240-22663-E-16-G DU		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-E-16-G DU		240-82289	240-81976	04/16/2013 12:18	1	TAL CAN	AS
A:Moisture	240-22663-B-16 DU		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-16 SD **Client ID: 073SB-0040M-0001,0002-SO**

Sample Date/Time: 04/01/2013 12:53 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-C-16-A SD ^5		180-70845	180-69160	04/15/2013 12:19	5	TAL PIT	CH
A:6020/DOD	240-22663-C-16-A SD ^5		180-70845	180-69160	05/05/2013 01:56	5	TAL PIT	BR
P:3050B	240-22663-C-16-A PDS		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-C-16-A PDS		180-70845	180-69160	05/05/2013 02:21	1	TAL PIT	BR

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: 240-22663-17 **Client ID: 073SB-0041M-0001-SO**

Sample Date/Time: 04/01/2013 13:03 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-22663-B-17-A		240-80954	240-80597	04/02/2013 16:08	1	TAL CAN	LM
A:8260B/DoD	240-22663-B-17-A		240-80954	240-80597	04/08/2013 17:46	1	TAL CAN	SM
P:3540C	240-22663-G-17-D		240-82940	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-G-17-D		240-82940	240-81754	04/22/2013 13:04	5	TAL CAN	MU
P:3540C	240-22663-G-17-B		240-82857	240-81726	04/12/2013 11:07	1	TAL CAN	AC
A:8081/DOD	240-22663-G-17-B		240-82857	240-81726	04/20/2013 19:04	1	TAL CAN	RS
P:3540C	240-22663-G-17-F	RE	240-83400	240-83135	04/23/2013 08:54	1	TAL CAN	JS
A:8081/DOD	240-22663-G-17-F	RE	240-83400	240-83135	04/24/2013 20:13	1	TAL CAN	RS
P:3540C	240-22663-G-17-C		240-82363	240-81730	04/12/2013 11:18	1	TAL CAN	AC
A:8082/DOD	240-22663-G-17-C		240-82363	240-81730	04/18/2013 10:39	1	TAL CAN	LH
P:Sieve/Ultrasoni	240-22663-F-17-B		320-14432	320-14079	04/11/2013 10:07	1	TAL SAC	TP
A:8330 Modified	240-22663-F-17-B		320-14432	320-14079	04/16/2013 21:33	1	TAL SAC	kr
P:8330B	240-22663-F-17-A		320-14706	320-14065	04/11/2013 08:24	1	TAL SAC	TP
A:8330B	240-22663-F-17-A		320-14706	320-14065	04/20/2013 05:40	1	TAL SAC	NS
P:3050B	240-22663-E-17-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-E-17-A		180-70845	180-69160	05/05/2013 02:29	1	TAL PIT	BR
P:7471A	240-22663-G-17-E		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-G-17-E		240-82289	240-81976	04/16/2013 12:48	1	TAL CAN	AS
A:Moisture	240-22663-D-17		240-80985		04/08/2013 11:14	1	TAL CAN	JS
P:353 (NCell-Hyd)	240-22663-F-17-D		320-14914	320-14752	04/22/2013 06:13	1	TAL SAC	TP
A:WS-WC-0050	240-22663-F-17-D		320-14914	320-14752	04/23/2013 13:17	1	TAL SAC	JS

Lab ID: 240-22663-18 **Client ID: 073SB-0042M-0001-SO**

Sample Date/Time: 04/01/2013 13:51 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-18-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-B-18-A		180-70845	180-69160	05/05/2013 02:37	1	TAL PIT	BR
P:7471A	240-22663-C-18-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-18-B		240-82289	240-81976	04/16/2013 12:49	1	TAL CAN	AS
A:Moisture	240-22663-A-18		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-19 **Client ID: 073SB-0043M-0001-SO**

Sample Date/Time: 04/01/2013 13:24 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-19-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-B-19-A		180-70845	180-69160	05/05/2013 02:46	1	TAL PIT	BR
P:7471A	240-22663-C-19-B		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-19-B		240-82289	240-81976	04/16/2013 12:51	1	TAL CAN	AS
A:Moisture	240-22663-A-19		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: 240-22663-20 **Client ID: 073SB-0044-0001-SO**

Sample Date/Time: 04/01/2013 13:29 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-20-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-B-20-A		180-70845	180-69160	05/05/2013 03:10	1	TAL PIT	BR
P:7471A	240-22663-C-20-A		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	240-22663-C-20-A		240-82289	240-81976	04/16/2013 12:53	1	TAL CAN	AS
A:Moisture	240-22663-A-20		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-21 **Client ID: 079SB-0021M-0001-SO**

Sample Date/Time: 04/01/2013 11:21 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-21-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-B-21-A		180-70845	180-69160	05/05/2013 03:18	1	TAL PIT	BR
P:7471A	240-22663-C-21-B		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-21-B		240-82449	240-82179	04/17/2013 09:42	1	TAL CAN	AS
A:Moisture	240-22663-A-21		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-22 **Client ID: 079SB-0022M-0001-SO**

Sample Date/Time: 04/01/2013 11:24 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-22-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-B-22-A		180-70845	180-69160	05/05/2013 03:27	1	TAL PIT	BR
P:7471A	240-22663-C-22-B		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-22-B		240-82449	240-82179	04/17/2013 09:45	1	TAL CAN	AS
A:Moisture	240-22663-A-22		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-23 **Client ID: 079SB-0023M-0001-SO**

Sample Date/Time: 04/01/2013 11:24 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-23-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-B-23-A		180-70845	180-69160	05/05/2013 03:35	1	TAL PIT	BR
P:7471A	240-22663-C-23-B		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-23-B		240-82449	240-82179	04/17/2013 09:46	1	TAL CAN	AS
A:Moisture	240-22663-A-23		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: 240-22663-24 **Client ID: 079SB-0024M-0001,0002-SO**

Sample Date/Time: 04/01/2013 11:29 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-C-24-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-C-24-B		180-70845	180-69260	05/05/2013 04:49	1	TAL PIT	BR
P:7471A	240-22663-E-24-E		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-E-24-E		240-82449	240-82179	04/17/2013 09:35	1	TAL CAN	AS
A:Moisture	240-22663-A-24		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-24 **Client ID: 079SB-0024M-0001,0002-SO**

Sample Date/Time: 04/01/2013 11:29 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-A-24-D MS		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-A-24-D MS		180-70845	180-69260	05/05/2013 05:14	1	TAL PIT	BR
P:7471A	240-22663-E-24-G MS		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-E-24-G MS		240-82449	240-82179	04/17/2013 09:39	1	TAL CAN	AS

Lab ID: 240-22663-24 **Client ID: 079SB-0024M-0001,0002-SO**

Sample Date/Time: 04/01/2013 11:29 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-A-24-C DU		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-A-24-C DU		180-70845	180-69260	05/05/2013 05:05	1	TAL PIT	BR
P:7471A	240-22663-E-24-F DU		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-E-24-F DU		240-82449	240-82179	04/17/2013 09:37	1	TAL CAN	AS
A:Moisture	240-22663-B-24 DU		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-24 SD **Client ID: 079SB-0024M-0001,0002-SO**

Sample Date/Time: 04/01/2013 11:29 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-C-24-B SD ^5		180-70845	180-69260	04/16/2013 11:32	5	TAL PIT	CH
A:6020/DOD	240-22663-C-24-B SD ^5		180-70845	180-69260	05/05/2013 04:57	5	TAL PIT	BR
P:3050B	240-22663-C-24-B PDS		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-C-24-B PDS		180-70845	180-69260	05/05/2013 05:22	1	TAL PIT	BR

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: 240-22663-25 **Client ID: 079SB-0025M-0001-SO**

Sample Date/Time: 04/01/2013 10:23 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-25-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-B-25-A		180-70845	180-69160	05/05/2013 03:43	1	TAL PIT	BR
P:7471A	240-22663-C-25-B		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-25-B		240-82449	240-82179	04/17/2013 09:48	1	TAL CAN	AS
A:Moisture	240-22663-A-25		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-26 **Client ID: 079SB-0026M-0001-SO**

Sample Date/Time: 04/01/2013 10:37 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-22663-B-26-A		240-80954	240-80597	04/02/2013 16:08	1	TAL CAN	LM
A:8260B/DoD	240-22663-B-26-A		240-80954	240-80597	04/08/2013 18:07	1	TAL CAN	SM
P:3540C	240-22663-G-26-D		240-82940	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-G-26-D		240-82940	240-81754	04/22/2013 14:49	5	TAL CAN	MU
P:3540C	240-22663-G-26-B		240-82857	240-81726	04/12/2013 11:07	1	TAL CAN	AC
A:8081/DOD	240-22663-G-26-B		240-82857	240-81726	04/20/2013 19:24	1	TAL CAN	RS
P:3540C	240-22663-G-26-F	RE	240-83400	240-83135	04/23/2013 08:54	1	TAL CAN	JS
A:8081/DOD	240-22663-G-26-F	RE	240-83400	240-83135	04/24/2013 20:34	1	TAL CAN	RS
P:3540C	240-22663-G-26-C		240-82363	240-81730	04/12/2013 11:18	1	TAL CAN	AC
A:8082/DOD	240-22663-G-26-C		240-82363	240-81730	04/18/2013 10:55	1	TAL CAN	LH
P:3540C	240-22663-G-26-I		240-83996	240-83675	04/26/2013 08:24	1	TAL CAN	JS
A:8082/DOD	240-22663-G-26-I		240-83996	240-83675	04/29/2013 08:49	1	TAL CAN	LH
P:Sieve/Ultrasoni	240-22663-F-26-B		320-14432	320-14079	04/11/2013 10:07	1	TAL SAC	TP
A:8330 Modified	240-22663-F-26-B		320-14432	320-14079	04/16/2013 21:50	1	TAL SAC	kr
P:8330B	240-22663-F-26-A		320-14706	320-14065	04/11/2013 08:24	1	TAL SAC	TP
A:8330B	240-22663-F-26-A		320-14706	320-14065	04/20/2013 06:24	1	TAL SAC	NS
P:3050B	240-22663-E-26-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-E-26-A		180-70845	180-69160	05/05/2013 03:51	1	TAL PIT	BR
P:7471A	240-22663-G-26-E		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-G-26-E		240-82449	240-82179	04/17/2013 09:50	1	TAL CAN	AS
A:Moisture	240-22663-D-26		240-80985		04/08/2013 11:14	1	TAL CAN	JS
P:353 (NCell-Hyd)	240-22663-F-26-D		320-14914	320-14752	04/22/2013 06:13	1	TAL SAC	TP
A:WS-WC-0050	240-22663-F-26-D		320-14914	320-14752	04/23/2013 13:19	1	TAL SAC	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: 240-22663-27 **Client ID: 079SB-0027M-0001-SO**

Sample Date/Time: 04/01/2013 11:12 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-27-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-B-27-A		180-70845	180-69160	05/05/2013 04:00	1	TAL PIT	BR
P:7471A	240-22663-C-27-B		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-27-B		240-82449	240-82179	04/17/2013 09:52	1	TAL CAN	AS
A:Moisture	240-22663-A-27		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-28 **Client ID: 079SB-0028M-0001-SO**

Sample Date/Time: 04/01/2013 10:43 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-22663-B-28-A		240-80954	240-80597	04/02/2013 16:08	1	TAL CAN	LM
A:8260B/DoD	240-22663-B-28-A		240-80954	240-80597	04/08/2013 18:29	1	TAL CAN	SM
P:3540C	240-22663-G-28-D		240-82940	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-G-28-D		240-82940	240-81754	04/22/2013 13:30	5	TAL CAN	MU
P:3540C	240-22663-G-28-B		240-82857	240-81726	04/12/2013 11:07	1	TAL CAN	AC
A:8081/DOD	240-22663-G-28-B		240-82857	240-81726	04/20/2013 19:44	1	TAL CAN	RS
P:3540C	240-22663-G-28-F	RE	240-83400	240-83135	04/23/2013 08:54	1	TAL CAN	JS
A:8081/DOD	240-22663-G-28-F	RE	240-83400	240-83135	04/24/2013 20:54	1	TAL CAN	RS
P:3540C	240-22663-G-28-C		240-82363	240-81730	04/12/2013 11:18	1	TAL CAN	AC
A:8082/DOD	240-22663-G-28-C		240-82363	240-81730	04/18/2013 11:11	1	TAL CAN	LH
P:3540C	240-22663-G-28-K		240-83996	240-83675	04/26/2013 08:24	1	TAL CAN	JS
A:8082/DOD	240-22663-G-28-K		240-83996	240-83675	04/29/2013 09:04	1	TAL CAN	LH
P:Sieve/Ultrasoni	240-22663-F-28-B		320-14432	320-14079	04/11/2013 10:07	1	TAL SAC	TP
A:8330 Modified	240-22663-F-28-B		320-14432	320-14079	04/16/2013 22:08	1	TAL SAC	kr
P:8330B	240-22663-F-28-A		320-14706	320-14065	04/11/2013 08:24	1	TAL SAC	TP
A:8330B	240-22663-F-28-A		320-14706	320-14065	04/20/2013 07:07	1	TAL SAC	NS
P:3050B	240-22663-E-28-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	240-22663-E-28-A		180-70845	180-69160	05/05/2013 04:08	1	TAL PIT	BR
P:7471A	240-22663-G-28-E		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-G-28-E		240-82449	240-82179	04/17/2013 09:54	1	TAL CAN	AS
A:Moisture	240-22663-D-28		240-80985		04/08/2013 11:14	1	TAL CAN	JS
P:353 (NCell-Hyd)	240-22663-F-28-D		320-14914	320-14752	04/22/2013 06:13	1	TAL SAC	TP
A:WS-WC-0050	240-22663-F-28-D		320-14914	320-14752	04/23/2013 13:21	1	TAL SAC	JS

Lab ID: 240-22663-28 MS **Client ID: 079SB-0028M-0001-SO**

Sample Date/Time: 04/01/2013 10:43 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-G-28-G MS	RE	240-83400	240-83135	04/23/2013 08:54	1	TAL CAN	JS
A:8081/DOD	240-22663-G-28-G MS	RE	240-83400	240-83135	04/24/2013 21:14	1	TAL CAN	RS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

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Lab ID: 240-22663-28 MSD **Client ID: 079SB-0028M-0001-SO**

Sample Date/Time: 04/01/2013 10:43 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-G-28-H MSD	RE	240-83400	240-83135	04/23/2013 08:54	1	TAL CAN	JS
A:8081/DOD	240-22663-G-28-H MSD	RE	240-83400	240-83135	04/24/2013 21:34	1	TAL CAN	RS

Lab ID: 240-22663-29 **Client ID: 079SB-0029-0001-SO**

Sample Date/Time: 04/01/2013 10:55 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22663-B-29-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-29-B		180-70845	180-69260	05/05/2013 05:30	1	TAL PIT	BR
P:7471A	240-22663-C-29-A		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-29-A		240-82449	240-82179	04/17/2013 10:00	1	TAL CAN	AS
A:Moisture	240-22663-A-29		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-30 **Client ID: 068SB-0026-0001-TB**

Sample Date/Time: 04/01/2013 08:00 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-22663-A-30		240-81013		04/08/2013 16:27	1	TAL CAN	RQ
A:8260B/DoD	240-22663-A-30		240-81013		04/08/2013 16:27	1	TAL CAN	RQ

Lab ID: 240-22663-31 **Client ID: 068SB-0017M-0001-SO**

Sample Date/Time: 04/01/2013 15:42 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-31-C		240-82876	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-C-31-C		240-82876	240-81754	04/21/2013 17:01	5	TAL CAN	MU
P:3540C	240-22663-C-31-B		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-31-B		240-82267	240-81736	04/17/2013 11:12	1	TAL CAN	LH
P:3050B	240-22663-B-31-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-31-B		180-70845	180-69260	05/05/2013 05:38	1	TAL PIT	BR
P:7471A	240-22663-C-31-D		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-31-D		240-82449	240-82179	04/17/2013 10:02	1	TAL CAN	AS
A:Moisture	240-22663-A-31		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: 240-22663-32 **Client ID: 068SB-0018M-0001-SO**

Sample Date/Time: 04/01/2013 15:43 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-32-C		240-82940	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-C-32-C		240-82940	240-81754	04/22/2013 13:57	5	TAL CAN	MU
P:3540C	240-22663-C-32-B		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-32-B		240-82267	240-81736	04/17/2013 11:28	1	TAL CAN	LH
P:3050B	240-22663-B-32-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-32-B		180-70845	180-69260	05/05/2013 05:47	1	TAL PIT	BR
P:7471A	240-22663-C-32-D		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-32-D		240-82449	240-82179	04/17/2013 10:04	1	TAL CAN	AS
A:Moisture	240-22663-A-32		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-33 **Client ID: 068SB-0019M-0001-SO**

Sample Date/Time: 04/01/2013 15:21 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-33-C		240-82940	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-C-33-C		240-82940	240-81754	04/22/2013 15:15	5	TAL CAN	MU
P:3540C	240-22663-C-33-B		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-33-B		240-82267	240-81736	04/17/2013 13:49	1	TAL CAN	LH
P:3050B	240-22663-B-33-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-33-B		180-70845	180-69260	05/05/2013 05:55	1	TAL PIT	BR
P:7471A	240-22663-C-33-D		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-33-D		240-82449	240-82179	04/17/2013 10:06	1	TAL CAN	AS
A:Moisture	240-22663-A-33		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-34 **Client ID: 068SB-0022M-0001-SO**

Sample Date/Time: 04/01/2013 15:21 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-34-C		240-82940	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-C-34-C		240-82940	240-81754	04/22/2013 15:41	5	TAL CAN	MU
P:3540C	240-22663-C-34-B		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-34-B		240-82267	240-81736	04/17/2013 14:04	1	TAL CAN	LH
P:3050B	240-22663-B-34-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-34-B		180-70845	180-69260	05/05/2013 06:03	1	TAL PIT	BR
P:7471A	240-22663-C-34-D		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-34-D		240-82449	240-82179	04/17/2013 10:07	1	TAL CAN	AS
A:Moisture	240-22663-A-34		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

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Lab ID: 240-22663-35 **Client ID: 068SB-0020M-0001-SO**

Sample Date/Time: 04/01/2013 15:50 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-35-C		240-82876	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-C-35-C		240-82876	240-81754	04/21/2013 20:04	5	TAL CAN	MU
P:3540C	240-22663-C-35-B		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-35-B		240-82267	240-81736	04/17/2013 14:20	1	TAL CAN	LH
P:3050B	240-22663-B-35-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-35-B		180-70845	180-69260	05/05/2013 06:28	1	TAL PIT	BR
P:7471A	240-22663-C-35-D		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-35-D		240-82449	240-82179	04/17/2013 10:10	1	TAL CAN	AS
A:Moisture	240-22663-A-35		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-36 **Client ID: 068SB-0023M-0001-SO**

Sample Date/Time: 04/01/2013 14:40 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-36-C		240-82876	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-C-36-C		240-82876	240-81754	04/21/2013 17:27	5	TAL CAN	MU
P:3540C	240-22663-C-36-B		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-36-B		240-82267	240-81736	04/17/2013 14:35	1	TAL CAN	LH
P:3050B	240-22663-B-36-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-36-B		180-70845	180-69260	05/05/2013 06:36	1	TAL PIT	BR
P:7471A	240-22663-C-36-D		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-36-D		240-82449	240-82179	04/17/2013 10:12	1	TAL CAN	AS
A:Moisture	240-22663-A-36		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-37 **Client ID: 068SB-0024M-0001-SO**

Sample Date/Time: 04/01/2013 14:20 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-37-C		240-82876	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-C-37-C		240-82876	240-81754	04/21/2013 17:53	5	TAL CAN	MU
P:3540C	240-22663-C-37-B		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-37-B		240-82267	240-81736	04/17/2013 11:44	1	TAL CAN	LH
P:3050B	240-22663-B-37-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-37-B		180-70845	180-69260	05/05/2013 06:44	1	TAL PIT	BR
P:7471A	240-22663-C-37-D		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-37-D		240-82449	240-82179	04/17/2013 10:14	1	TAL CAN	AS
A:Moisture	240-22663-A-37		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

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Lab ID: 240-22663-37 DU **Client ID: 068SB-0024M-0001-SO**

Sample Date/Time: 04/01/2013 14:20 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-22663-A-37 DU		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-38 **Client ID: 068SB-0025M-0001-SO**

Sample Date/Time: 04/01/2013 14:45 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-38-C		240-82876	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-C-38-C		240-82876	240-81754	04/21/2013 18:19	5	TAL CAN	MU
P:3540C	240-22663-C-38-B		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-38-B		240-82267	240-81736	04/17/2013 11:59	1	TAL CAN	LH
P:3050B	240-22663-B-38-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-38-B		180-70845	180-69260	05/05/2013 06:52	1	TAL PIT	BR
P:7471A	240-22663-C-38-D		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	240-22663-C-38-D		240-82449	240-82179	04/17/2013 10:16	1	TAL CAN	AS
A:Moisture	240-22663-A-38		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-39 **Client ID: 068SB-0032-0001-SO**

Sample Date/Time: 04/01/2013 15:30 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-39-B		240-82876	240-81754	04/12/2013 13:15	1	TAL CAN	AC
A:8270C/DoD	240-22663-C-39-B		240-82876	240-81754	04/21/2013 15:16	1	TAL CAN	MU
P:3540C	240-22663-C-39-A		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-39-A		240-82267	240-81736	04/17/2013 12:15	1	TAL CAN	LH
P:3050B	240-22663-B-39-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-39-B		180-70845	180-69260	05/05/2013 07:01	1	TAL PIT	BR
P:7471A	240-22663-C-39-C		240-82912	240-82367	04/17/2013 14:55	1	TAL CAN	DE
A:7471/DOD	240-22663-C-39-C		240-82912	240-82367	04/19/2013 10:17	1	TAL CAN	AS
A:Moisture	240-22663-A-39		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-39 DU **Client ID: 068SB-0032-0001-SO**

Sample Date/Time: 04/01/2013 15:30 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-22663-A-39 DU		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

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Lab ID: 240-22663-40 **Client ID: 068SB-0027M-0001-SO**

Sample Date/Time: 04/01/2013 14:00 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-40-C		240-82876	240-81754	04/12/2013 13:15	1	TAL CAN	AC
A:8270C/DoD	240-22663-C-40-C		240-82876	240-81754	04/21/2013 14:50	1	TAL CAN	MU
P:3540C	240-22663-C-40-B		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-40-B		240-82267	240-81736	04/17/2013 12:31	1	TAL CAN	LH
P:3050B	240-22663-B-40-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-40-B		180-70845	180-69260	05/05/2013 07:09	1	TAL PIT	BR
P:7471A	240-22663-C-40-D		240-82912	240-82367	04/17/2013 14:55	1	TAL CAN	DE
A:7471/DOD	240-22663-C-40-D		240-82912	240-82367	04/19/2013 10:18	1	TAL CAN	AS
A:Moisture	240-22663-A-40		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-41 **Client ID: 068SB-0028M-0001-SO**

Sample Date/Time: 04/01/2013 14:02 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-41-C		240-82876	240-81754	04/12/2013 13:15	1	TAL CAN	AC
A:8270C/DoD	240-22663-C-41-C		240-82876	240-81754	04/21/2013 15:42	1	TAL CAN	MU
P:3540C	240-22663-C-41-B		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-41-B		240-82267	240-81736	04/17/2013 12:46	1	TAL CAN	LH
P:3050B	240-22663-B-41-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-41-B		180-70845	180-69260	05/05/2013 07:17	1	TAL PIT	BR
P:7471A	240-22663-C-41-D		240-82912	240-82367	04/17/2013 14:55	1	TAL CAN	DE
A:7471/DOD	240-22663-C-41-D		240-82912	240-82367	04/19/2013 10:20	1	TAL CAN	AS
A:Moisture	240-22663-A-41		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-43 **Client ID: 068SB-0030M-0001-SO**

Sample Date/Time: 04/01/2013 14:05 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-43-C		240-82876	240-81754	04/12/2013 13:15	1	TAL CAN	AC
A:8270C/DoD	240-22663-C-43-C		240-82876	240-81754	04/21/2013 16:09	1	TAL CAN	MU
P:3540C	240-22663-C-43-B		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-43-B		240-82267	240-81736	04/17/2013 13:02	1	TAL CAN	LH
P:3050B	240-22663-B-43-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-43-B		180-70845	180-69260	05/05/2013 07:26	1	TAL PIT	BR
P:7471A	240-22663-C-43-D		240-82912	240-82367	04/17/2013 14:55	1	TAL CAN	DE
A:7471/DOD	240-22663-C-43-D		240-82912	240-82367	04/19/2013 10:21	1	TAL CAN	AS
A:Moisture	240-22663-A-43		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

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Lab ID: 240-22663-44 **Client ID: 068SB-0031M-0001-SO**

Sample Date/Time: 04/01/2013 13:44 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-44-C		240-82876	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-C-44-C		240-82876	240-81754	04/21/2013 18:45	5	TAL CAN	MU
P:3540C	240-22663-C-44-B		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	240-22663-C-44-B		240-82267	240-81736	04/17/2013 13:17	1	TAL CAN	LH
P:3050B	240-22663-B-44-B		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	240-22663-B-44-B		180-70845	180-69260	05/05/2013 07:34	1	TAL PIT	BR
P:7471A	240-22663-C-44-F		240-82912	240-82367	04/17/2013 14:55	1	TAL CAN	DE
A:7471/DOD	240-22663-C-44-F		240-82912	240-82367	04/19/2013 10:23	1	TAL CAN	AS
A:Moisture	240-22663-A-44		240-80985		04/08/2013 11:14	1	TAL CAN	JS

Lab ID: 240-22663-44 MS **Client ID: 068SB-0031M-0001-SO**

Sample Date/Time: 04/01/2013 13:44 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-44-D MS		240-82876	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-C-44-D MS		240-82876	240-81754	04/21/2013 19:11	5	TAL CAN	MU

Lab ID: 240-22663-44 MSD **Client ID: 068SB-0031M-0001-SO**

Sample Date/Time: 04/01/2013 13:44 Received Date/Time: 04/02/2013 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-22663-C-44-E MSD		240-82876	240-81754	04/12/2013 13:15	5	TAL CAN	AC
A:8270C/DoD	240-22663-C-44-E MSD		240-82876	240-81754	04/21/2013 19:38	5	TAL CAN	MU

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B/DoD	MB 240-80954/7		240-80954		04/08/2013 12:43	1	TAL CAN	SM
P:5030B	MB 240-81013/6		240-81013		04/08/2013 13:34	1	TAL CAN	RQ
A:8260B/DoD	MB 240-81013/6		240-81013		04/08/2013 13:34	1	TAL CAN	RQ
P:3540C	MB 240-81754/21-A		240-82876	240-81754	04/12/2013 13:15	1	TAL CAN	AC
A:8270C/DoD	MB 240-81754/21-A		240-82876	240-81754	04/21/2013 12:14	1	TAL CAN	MU
P:3540C	MB 240-81726/21-A		240-82685	240-81726	04/12/2013 11:07	1	TAL CAN	AC
A:8081/DOD	MB 240-81726/21-A		240-82685	240-81726	04/19/2013 15:17	1	TAL CAN	RS
P:3540C	MB 240-83135/18-A		240-83400	240-83135	04/23/2013 08:54	1	TAL CAN	JS
A:8081/DOD	MB 240-83135/18-A		240-83400	240-83135	04/24/2013 21:54	1	TAL CAN	RS
P:3540C	MB 240-81736/24-A		240-82267	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	MB 240-81736/24-A		240-82267	240-81736	04/17/2013 14:51	1	TAL CAN	LH
P:3540C	MB 240-81730/20-A		240-82363	240-81730	04/12/2013 11:18	1	TAL CAN	AC
A:8082/DOD	MB 240-81730/20-A		240-82363	240-81730	04/18/2013 12:13	1	TAL CAN	LH
P:3540C	MB 240-83675/20-A		240-83996	240-83675	04/26/2013 08:24	1	TAL CAN	JS
A:8082/DOD	MB 240-83675/20-A		240-83996	240-83675	04/29/2013 09:20	1	TAL CAN	LH
P:Sieve/Ultrasoni	MB 320-14079/1-A		320-14432	320-14079	04/11/2013 10:07	1	TAL SAC	TP
A:8330 Modified	MB 320-14079/1-A		320-14432	320-14079	04/16/2013 17:06	1	TAL SAC	kr
P:8330B	MB 320-14065/1-A		320-14706	320-14065	04/11/2013 08:24	1	TAL SAC	TP
A:8330B	MB 320-14065/1-A		320-14706	320-14065	04/19/2013 18:45	1	TAL SAC	NS
P:8330B	MB 320-14065/1-A		320-14998	320-14065	04/11/2013 08:24	1	TAL SAC	TP
A:8330B	MB 320-14065/1-A		320-14998	320-14065	04/25/2013 08:07	1	TAL SAC	RN
P:3050B	MB 180-69114/1-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	MB 180-69114/1-A		180-70845	180-69114	05/04/2013 22:15	1	TAL PIT	BR
P:3050B	MB 180-69160/1-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	MB 180-69160/1-A		180-70845	180-69160	05/05/2013 01:32	1	TAL PIT	BR
P:3050B	MB 180-69260/1-A		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	MB 180-69260/1-A		180-70845	180-69260	05/05/2013 04:16	1	TAL PIT	BR
P:7471A	MB 240-81976/1-A		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	MB 240-81976/1-A		240-82289	240-81976	04/16/2013 12:04	1	TAL CAN	AS
P:7471A	MB 240-82179/1-A		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	MB 240-82179/1-A		240-82449	240-82179	04/17/2013 09:28	1	TAL CAN	AS
P:7471A	MB 240-82367/1-A		240-82912	240-82367	04/17/2013 14:55	1	TAL CAN	DE
A:7471/DOD	MB 240-82367/1-A		240-82912	240-82367	04/19/2013 10:04	1	TAL CAN	AS
P:353 (NCell-Hyd)	MB 320-14670/1-B		320-14914	320-14752	04/22/2013 06:13	1	TAL SAC	TP
A:WS-WC-0050	MB 320-14670/1-B		320-14914	320-14752	04/23/2013 12:45	1	TAL SAC	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B/DoD	LCS 240-80954/6		240-80954		04/08/2013 12:22	1	TAL CAN	SM
P:5030B	LCS 240-81013/4		240-81013		04/08/2013 12:50	1	TAL CAN	RQ
A:8260B/DoD	LCS 240-81013/4		240-81013		04/08/2013 12:50	1	TAL CAN	RQ
P:3540C	LCS 240-81754/22-A		240-82876	240-81754	04/12/2013 13:15	1	TAL CAN	AC
A:8270C/DoD	LCS 240-81754/22-A		240-82876	240-81754	04/21/2013 12:40	1	TAL CAN	MU
P:3540C	LCS 240-81726/22-A		240-82685	240-81726	04/12/2013 11:07	1	TAL CAN	AC
A:8081/DOD	LCS 240-81726/22-A		240-82685	240-81726	04/19/2013 15:37	1	TAL CAN	RS
P:3540C	LCS 240-83135/19-A		240-83400	240-83135	04/23/2013 08:54	1	TAL CAN	JS
A:8081/DOD	LCS 240-83135/19-A		240-83400	240-83135	04/24/2013 22:14	1	TAL CAN	RS
P:3540C	LCS 240-81730/21-A		240-82363	240-81730	04/12/2013 11:18	1	TAL CAN	AC
A:8082/DOD	LCS 240-81730/21-A		240-82363	240-81730	04/18/2013 15:05	1	TAL CAN	LH
P:3540C	LCS 240-81736/23-A		240-82656	240-81736	04/12/2013 11:46	1	TAL CAN	AC
A:8082/DOD	LCS 240-81736/23-A		240-82656	240-81736	04/19/2013 09:06	1	TAL CAN	LH
P:3540C	LCS 240-83675/21-A		240-83996	240-83675	04/26/2013 08:24	1	TAL CAN	JS
A:8082/DOD	LCS 240-83675/21-A		240-83996	240-83675	04/29/2013 09:35	1	TAL CAN	LH
P:Sieve/Ultrasoni	LCS 320-14079/2-A		320-14432	320-14079	04/11/2013 10:07	1	TAL SAC	TP
A:8330 Modified	LCS 320-14079/2-A		320-14432	320-14079	04/16/2013 17:24	1	TAL SAC	kr
P:8330B	LCS 320-14065/2-A		320-14706	320-14065	04/11/2013 08:24	1	TAL SAC	TP
A:8330B	LCS 320-14065/2-A		320-14706	320-14065	04/19/2013 19:29	1	TAL SAC	NS
P:3050B	LCS 180-69114/2-A		180-70845	180-69114	04/15/2013 08:11	1	TAL PIT	CNS
A:6020/DOD	LCS 180-69114/2-A		180-70845	180-69114	05/04/2013 22:23	1	TAL PIT	BR
P:3050B	LCS 180-69160/2-A		180-70845	180-69160	04/15/2013 12:19	1	TAL PIT	CH
A:6020/DOD	LCS 180-69160/2-A		180-70845	180-69160	05/05/2013 01:40	1	TAL PIT	BR
P:3050B	LCS 180-69260/2-A		180-70845	180-69260	04/16/2013 11:32	1	TAL PIT	CH
A:6020/DOD	LCS 180-69260/2-A		180-70845	180-69260	05/05/2013 04:24	1	TAL PIT	BR
P:7471A	LCS 240-81976/2-A		240-82289	240-81976	04/15/2013 16:00	1	TAL CAN	AS
A:7471/DOD	LCS 240-81976/2-A		240-82289	240-81976	04/16/2013 12:06	1	TAL CAN	AS
P:7471A	LCS 240-82179/2-A		240-82449	240-82179	04/16/2013 15:50	1	TAL CAN	DE
A:7471/DOD	LCS 240-82179/2-A		240-82449	240-82179	04/17/2013 09:30	1	TAL CAN	AS
P:7471A	LCS 240-82367/2-A		240-82912	240-82367	04/17/2013 14:55	1	TAL CAN	DE
A:7471/DOD	LCS 240-82367/2-A		240-82912	240-82367	04/19/2013 10:06	1	TAL CAN	AS
P:353 (NCell-Hyd)	LCS 320-14670/2-B		320-14914	320-14752	04/22/2013 06:13	1	TAL SAC	TP
A:WS-WC-0050	LCS 320-14670/2-B		320-14914	320-14752	04/23/2013 12:47	1	TAL SAC	JS

Client: Environmental Chemical Corp. Job Number: 240-22663-1

Laboratory Chronicle

Lab ID: MRL **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B/DoD	MRL 240-80954/5		240-80954		04/08/2013 12:00	1	TAL CAN	SM
P:5030B	MRL 240-81013/5		240-81013		04/08/2013 13:12	1	TAL CAN	RQ
A:8260B/DoD	MRL 240-81013/5		240-81013		04/08/2013 13:12	1	TAL CAN	RQ
P:5030B	MRL 240-81013/21		240-81013		04/08/2013 18:58	1	TAL CAN	RQ
A:8260B/DoD	MRL 240-81013/21		240-81013		04/08/2013 18:58	1	TAL CAN	RQ
A:8260B/DoD	MRL 240-80954/32		240-80954		04/08/2013 21:42	1	TAL CAN	SM
A:8270C/DoD	MRL 240-82876/3		240-82876		04/21/2013 11:42	1	TAL CAN	MU
A:8270C/DoD	MRL 240-82876/23		240-82876		04/21/2013 20:30	1	TAL CAN	MU
A:8270C/DoD	MRL 240-82940/3		240-82940		04/22/2013 09:59	1	TAL CAN	MU
A:8270C/DoD	MRL 240-82940/19		240-82940		04/22/2013 17:00	1	TAL CAN	MU
A:8081/DOD	MRL 240-82685/6		240-82685		04/19/2013 12:05	1	TAL CAN	RS
A:8081/DOD	MRL 240-82685/41		240-82685		04/19/2013 17:18	1	TAL CAN	RS
A:8081/DOD	MRL 240-82857/6		240-82857		04/20/2013 14:42	1	TAL CAN	RS
A:8081/DOD	MRL 240-82857/39		240-82857		04/21/2013 01:46	1	TAL CAN	RS
A:8081/DOD	MRL 240-83400/26		240-83400		04/24/2013 18:33	1	TAL CAN	RS
A:8081/DOD	MRL 240-83400/52		240-83400		04/24/2013 22:55	1	TAL CAN	RS
A:8082/DOD	MRL 240-82267/4		240-82267		04/17/2013 10:11	1	TAL CAN	LH
A:8082/DOD	MRL 240-82267/21		240-82267		04/17/2013 15:22	1	TAL CAN	LH
A:8082/DOD	MRL 240-82363/4		240-82363		04/18/2013 09:52	1	TAL CAN	LH
A:8082/DOD	MRL 240-82363/26		240-82363		04/18/2013 15:37	1	TAL CAN	LH
A:8082/DOD	MRL 240-82656/4		240-82656		04/19/2013 08:50	1	TAL CAN	LH
A:8082/DOD	MRL 240-82656/7		240-82656		04/19/2013 09:37	1	TAL CAN	LH
A:8082/DOD	MRL 240-83996/4		240-83996		04/29/2013 08:34	1	TAL CAN	LH
A:8082/DOD	MRL 240-83996/10		240-83996		04/29/2013 10:06	1	TAL CAN	LH
A:WS-WC-0050	MRL 320-14914/10		320-14914		04/23/2013 12:35	1	TAL SAC	JS
A:WS-WC-0050	MRL 320-14914/21		320-14914		04/23/2013 12:57	1	TAL SAC	JS

Lab References:

TAL CAN = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

TAL SAC = TestAmerica Sacramento

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EX10PPMSPK_00007	06/25/13	12/28/12	MEOH, Lot 123279	1000 mL	EXPCB1016_00004	2 mL	Aroclor-1016	10 ug/mL
					EXPCB1260_00004	2 mL	Aroclor-1260	10 ug/mL
.EXPCB1016_00004	12/06/15	AccuStandard, Inc., Lot B5120059			(Purchased Reagent)		Aroclor-1016	5000 ug/mL
.EXPCB1260_00004	06/25/13	AccuStandard, Lot B3060258			(Purchased Reagent)		Aroclor-1260	5000 ug/mL
EX2/.2SURRW_00023	09/24/13	03/24/13	MEOH, Lot 124454	2000 mL	EX2/.2SURR_00002	2 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.EX2/.2SURR_00002	10/01/13	Ultra Scientific, Lot CG-3165			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
EXBNALCS1_00035	12/13/13	03/27/13	MEOH, Lot 123279	200 mL	EXBNALCS_00010	40 mL	1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Dinitrobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	40 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Aniline	20.02 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di(2-ethylhexyl)adipate	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20.02 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
.EXBNALCS_00010	12/13/13		SUPELCO, Lot LB96645		(Purchased Reagent)		1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Aniline	100.1 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di(2-ethylhexyl)adipate	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100.1 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
EXBNASURRW_00024	11/12/15	03/07/13	MEOH, Lot 124454	2000 mL	EXBNASURR_00009	400 mL	2,4,6-Tribromophenol (Surr)	30 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	30 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	30 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.EXBNASURR_00009	11/15/15		SUPELCO, Lot lb96723		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	150 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	150 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	150 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
EXPSTNPDESSPW_00012	04/30/13	11/28/12	MEOH, Lot 123279	200 mL	EXPELCSSTOCK_00002	20 mL	4,4'-DDD	1 ug/mL
							4,4'-DDE	1 ug/mL
							4,4'-DDT	1 ug/mL
							Aldrin	1 ug/mL
							alpha-BHC	1 ug/mL
							alpha-Chlordane	1 ug/mL
							beta-BHC	1 ug/mL
							delta-BHC	1 ug/mL
							Dieldrin	1 ug/mL
							Endosulfan I	1 ug/mL
							Endosulfan II	1 ug/mL
							Endosulfan sulfate	1 ug/mL
							Endrin	1 ug/mL
							Endrin aldehyde	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin ketone	1 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							gamma-Chlordane	1 ug/mL
							Heptachlor	1 ug/mL
							Heptachlor epoxide	1 ug/mL
							Methoxychlor	1 ug/mL
.EXPELCSSTOCK_00002	04/30/13	08/02/11	MEOH, Lot 117046	100 mL	EXPESTSTOCK_00005	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..EXPESTSTOCK_00005	04/30/13		ULTRA, Lot CH-0689		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
EXRESTEKSPKW_00019	06/13/13	01/29/13	MEOH, Lot 123279	200 mL	EXBNARESSPK_00007	40 mL	1,1'-Biphenyl	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	20 ug/mL
							2-Picoline	20 ug/mL
							Acetophenone	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							Chloroacetophenone	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Phenacetin	20 ug/mL
							Phorate	20 ug/mL
							Pronamide	20 ug/mL
							Quinoline	20 ug/mL
							Safrole, Total	20 ug/mL
.EXBNARESSPK_00007	06/13/13		Restek, Lot A089172		(Purchased Reagent)		1,1'-Biphenyl	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2-Picoline	100 ug/mL
							Acetophenone	100 ug/mL
							Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
							Chloroacetophenone	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Phenacetin	100 ug/mL
							Phorate	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
							Safrole, Total	100 ug/mL
MTAQUAREGIA_00492	04/15/13	04/15/13	NA, Lot NA	520 mL	MTTMHCL_00002	390 mL	Hydrogen Chloride	0.75 mL/mL
					MTTMHNO3_00002	130 mL	Nitric acid	0.25 mL/mL
.MTTMHCL_00002	02/06/15		Fisher, Lot 4112100		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTTMHNO3_00002	11/28/14		Fisher, Lot 1112110		(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00493	04/16/13	04/16/13	NA, Lot NA	360 mL	MTTMHCL_00002	270 mL	Hydrogen Chloride	0.75 mL/mL
					MTTMHNO3_00002	90 mL	Nitric acid	0.25 mL/mL
.MTTMHCL_00002	02/06/15		Fisher, Lot 4112100		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTTMHNO3_00002	11/28/14		Fisher, Lot 1112110		(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00494	04/17/13	04/17/13	NA, Lot NA	360 mL	MTTMHCL_00002	270 mL	Hydrogen Chloride	0.75 mL/mL
					MTTMHNO3_00002	90 mL	Nitric acid	0.25 mL/mL
.MTTMHCL_00002	02/06/15		Fisher, Lot 4112100		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTTMHNO3_00002	11/28/14		Fisher, Lot 1112110		(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00496	04/19/13	04/19/13	NA, Lot NA	280 mL	MTTMHCL_00002	210 mL	Hydrogen Chloride	0.75 mL/mL
					MTTMHNO3_00002	70 mL	Nitric acid	0.25 mL/mL
.MTTMHCL_00002	02/06/15		Fisher, Lot 4112100		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTTMHNO3_00002	11/28/14		Fisher, Lot 1112110		(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00354	04/15/13	04/15/13	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00008	1 mL	Mercury	100 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MTHNO3_00045	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00008	03/14/14	High Purity, Lot 1306402			(Purchased Reagent)		Mercury	10 ug/mL
.MTHNO3_00045	03/14/15	Macron Chemicals, Lot L10022			(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00355	04/16/13	04/16/13	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00008	1 mL	Mercury	100 ug/L
					MTTMHNO3_00002	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00008	03/14/14	High Purity, Lot 1306402			(Purchased Reagent)		Mercury	10 ug/mL
.MTTMHNO3_00002	11/28/14	Fisher, Lot 1112110			(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00356	04/17/13	04/17/13	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00008	1 mL	Mercury	100 ug/L
					MTTMHNO3_00002	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00008	03/14/14	High Purity, Lot 1306402			(Purchased Reagent)		Mercury	10 ug/mL
.MTTMHNO3_00002	11/28/14	Fisher, Lot 1112110			(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00358	04/19/13	04/19/13	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00008	1 mL	Mercury	100 ug/L
					MTTMHNO3_00002	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00008	03/14/14	High Purity, Lot 1306402			(Purchased Reagent)		Mercury	10 ug/mL
.MTTMHNO3_00002	11/28/14	Fisher, Lot 1112110			(Purchased Reagent)		Nitric acid	100 %
MTHgStd_00009	03/08/14	Plasma Pure, Lot 1277101			(Purchased Reagent)		Mercury	1 ug/mL
MTKMN04W_00042	04/05/15	04/05/13	DIWATER, Lot DIWATER	2 L	MTKMN04_00013	100 g	Potassium Permanganate	0.05 g/g
.MTKMN04_00013	10/05/17	Fisher, Lot 121666			(Purchased Reagent)		Potassium Permanganate	1 g/g
MTKMN04W_00043	04/17/15	04/17/13	DIWATER, Lot DIWATER	2 L	MTKMN04_00013	100 g	Potassium Permanganate	0.05 g/g
.MTKMN04_00013	10/05/17	Fisher, Lot 121666			(Purchased Reagent)		Potassium Permanganate	1 g/g
SG 1660 ICV_00003	07/03/13	07/03/12	HEXANE, Lot K42e19	10 mL	SG 1016 ICV_00004	1 mL	Aroclor-1016	10 ug/mL
					SG 1260 ICV_00005	1 mL	Aroclor-1260	10 ug/mL
.SG 1016 ICV_00004	03/31/17	ULTRA, Lot CF-0785			(Purchased Reagent)		Aroclor-1016	100 ug/mL
.SG 1260 ICV_00005	12/31/14	ULTRA, Lot CC-3829			(Purchased Reagent)		Aroclor-1260	100 ug/mL
SG1221ICV_00006	08/27/13	08/27/12	HEXANE, Lot L03E01	10 mL	SG 1221 ICV_00003	1 mL	Aroclor-1221	10000 ug/L
.SG 1221 ICV_00003	12/31/14	Ultra Scientific, Lot CB-1791z			(Purchased Reagent)		Aroclor-1221	100 ug/mL
SG1232@0.05PP_00006	06/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SG1232@10ppm_00003	0.5 mL	PCB-1232 Peak 1	0.05 ug/mL
							PCB-1232 Peak 2	0.05 ug/mL
							PCB-1232 Peak 3	0.05 ug/mL
							PCB-1232 Peak 4	0.05 ug/mL
							PCB-1232 Peak 5	0.05 ug/mL
.SG1232@10ppm_00003	12/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14	restek, Lot a052599			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.1PPM_00005	06/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SG1232@10ppm_00003	1 mL	PCB-1232 Peak 1	0.1 ug/mL
							PCB-1232 Peak 2	0.1 ug/mL
							PCB-1232 Peak 3	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 4	0.1 ug/mL
							PCB-1232 Peak 5	0.1 ug/mL
.SG1232@10ppm_00003	12/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.2PPM_00005	06/05/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SG1232@10ppm_00003	2 mL	PCB-1232 Peak 1	0.2 ug/mL
							PCB-1232 Peak 2	0.2 ug/mL
							PCB-1232 Peak 3	0.2 ug/mL
							PCB-1232 Peak 4	0.2 ug/mL
							PCB-1232 Peak 5	0.2 ug/mL
.SG1232@10ppm_00003	12/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.5PPM_00010	06/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SG1232@10ppm_00003	5 mL	PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL
.SG1232@10ppm_00003	12/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@1.0PPM_00005	06/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SG1232@10ppm_00003	10 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SG1232@10ppm_00003	12/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@2.0PPM_00005	06/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SG1232@10ppm_00003	20 mL	PCB-1232 Peak 1	2 ug/mL
							PCB-1232 Peak 2	2 ug/mL
							PCB-1232 Peak 3	2 ug/mL
							PCB-1232 Peak 4	2 ug/mL
							PCB-1232 Peak 5	2 ug/mL
.SG1232@10ppm_00003	12/03/13	12/03/12	HEXANE, Lot 00000014962	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232ICV_00004	01/15/14	01/15/13	HEXANE, Lot 0000017861	10 mL	SG 1232 ICV_00004	1 mL	Aroclor-1232	10 ug/mL
.SG 1232 ICV_00004	10/31/14		Ultra Scientific, Lot CG-3213		(Purchased Reagent)		Aroclor-1232	100 ug/mL
SG1242@.05ppm_00005	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1242@10ppm_00003	0.5 mL	PCB-1242 Peak 1	0.05 ug/mL
							PCB-1242 Peak 2	0.05 ug/mL
							PCB-1242 Peak 3	0.05 ug/mL
							PCB-1242 Peak 4	0.05 ug/mL
							PCB-1242 Peak 5	0.05 ug/mL
.SG1242@10ppm_00003	01/02/14	01/02/13	HEXANE, Lot 0000017861	100 mL	SG1242_00003	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00003	04/30/18		Restek, Lot A080551		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.1ppm_00005	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1242@10ppm_00003	1 mL	PCB-1242 Peak 1	0.1 ug/mL
							PCB-1242 Peak 2	0.1 ug/mL
							PCB-1242 Peak 3	0.1 ug/mL
							PCB-1242 Peak 4	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 5	0.1 ug/mL
.SG1242@10ppm_00003	01/02/14	01/02/13	HEXANE, Lot 0000017861	100 mL	SG1242_00003	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00003	04/30/18		Restek, Lot A080551		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.2ppm_00005	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1242@10ppm_00003	2 mL	PCB-1242 Peak 1	0.2 ug/mL
							PCB-1242 Peak 2	0.2 ug/mL
							PCB-1242 Peak 3	0.2 ug/mL
							PCB-1242 Peak 4	0.2 ug/mL
							PCB-1242 Peak 5	0.2 ug/mL
.SG1242@10ppm_00003	01/02/14	01/02/13	HEXANE, Lot 0000017861	100 mL	SG1242_00003	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00003	04/30/18		Restek, Lot A080551		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.5ppm_00008	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1242@10ppm_00003	5 mL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
							PCB-1242 Peak 5	0.5 ug/mL
.SG1242@10ppm_00003	01/02/14	01/02/13	HEXANE, Lot 0000017861	100 mL	SG1242_00003	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00003	04/30/18		Restek, Lot A080551		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@1.0ppm_00005	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1242@10ppm_00003	10 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
.SG1242@10ppm_00003	01/02/14	01/02/13	HEXANE, Lot 0000017861	100 mL	SG1242_00003	1 mL	PCB-1242 Peak 1	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00003	04/30/18		Restek, Lot A080551		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@2.0ppm_00005	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1242@10ppm_00003	20 mL	PCB-1242 Peak 1	2 ug/mL
							PCB-1242 Peak 2	2 ug/mL
							PCB-1242 Peak 3	2 ug/mL
							PCB-1242 Peak 4	2 ug/mL
							PCB-1242 Peak 5	2 ug/mL
.SG1242@10ppm_00003	01/02/14	01/02/13	HEXANE, Lot 0000017861	100 mL	SG1242_00003	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00003	04/30/18		Restek, Lot A080551		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242ICV_00003	08/09/13	08/09/12	HEXANE, Lot L08E17	10 mL	SG 1242 ICV_00003	1 mL	Aroclor-1242	10 ug/mL
.SG 1242 ICV_00003	09/30/19		Ultra Scientific, Lot CH-2711		(Purchased Reagent)		Aroclor-1242	100 ug/mL
SG1248@.05ppm_00007	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1248@10ppm_00004	0.5 mL	PCB-1248 Peak 1	0.05 ug/mL
							PCB-1248 Peak 2	0.05 ug/mL
							PCB-1248 Peak 3	0.05 ug/mL
							PCB-1248 Peak 4	0.05 ug/mL
							PCB-1248 Peak 5	0.05 ug/mL
.SG1248@10ppm_00004	01/02/14	01/02/13	Hexane, Lot 0000017861	100 mL	SG1248_00002	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00002	07/30/18		Restek, Lot A082482		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.1PPM_00006	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1248@10ppm_00004	1 mL	PCB-1248 Peak 1	0.1 ug/mL
							PCB-1248 Peak 2	0.1 ug/mL
							PCB-1248 Peak 3	0.1 ug/mL
							PCB-1248 Peak 4	0.1 ug/mL
							PCB-1248 Peak 5	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SG1248@10ppm_00004	01/02/14	01/02/13	Hexane, Lot 0000017861	100 mL	SG1248_00002	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00002	07/30/18		Restek, Lot A082482		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.2ppm_00006	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1248@10ppm_00004	2 mL	PCB-1248 Peak 1	0.2 ug/mL
							PCB-1248 Peak 2	0.2 ug/mL
							PCB-1248 Peak 3	0.2 ug/mL
							PCB-1248 Peak 4	0.2 ug/mL
							PCB-1248 Peak 5	0.2 ug/mL
.SG1248@10ppm_00004	01/02/14	01/02/13	Hexane, Lot 0000017861	100 mL	SG1248_00002	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00002	07/30/18		Restek, Lot A082482		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.5ppm_00008	07/03/13	01/03/13	HEXANE, Lot 00000017861	100 mL	SG1248@10ppm_00004	5 mL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.SG1248@10ppm_00004	01/02/14	01/02/13	Hexane, Lot 0000017861	100 mL	SG1248_00002	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00002	07/30/18		Restek, Lot A082482		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@1.0ppm_00005	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1248@10ppm_00004	10 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
.SG1248@10ppm_00004	01/02/14	01/02/13	Hexane, Lot 0000017861	100 mL	SG1248_00002	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00002	07/30/18		Restek, Lot A082482		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@2.0ppm_00005	07/03/13	01/03/13	HEXANE, Lot 0000017861	100 mL	SG1248@10ppm_00004	20 mL	PCB-1248 Peak 1	2 ug/mL
							PCB-1248 Peak 2	2 ug/mL
							PCB-1248 Peak 3	2 ug/mL
							PCB-1248 Peak 4	2 ug/mL
							PCB-1248 Peak 5	2 ug/mL
.SG1248@10ppm_00004	01/02/14	01/02/13	Hexane, Lot 0000017861	100 mL	SG1248_00002	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00002	07/30/18		Restek, Lot A082482		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248ICV_00006	01/15/14	01/15/13	HEXANE, Lot 0000017861	10 mL	SG 1248 ICV_00004	1 mL	Aroclor-1248	10 ug/mL
.SG 1248 ICV_00004	11/30/19		Ultra Scientific, Lot CH-3256		(Purchased Reagent)		Aroclor-1248	100 ug/mL
SG1254ICV_00005	01/15/14	01/15/13	HEXANE, Lot 0000017861	10 mL	SG 1254 ICV_00004	1 mL	Aroclor-1254	10 ug/mL
.SG 1254 ICV_00004	12/31/19		Ultra Scientific, Lot CH-3706		(Purchased Reagent)		Aroclor-1254	100 ug/mL
SG1660@.05PPM_00006	08/31/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SG1016/1260_00006	0.5 mL	Aroclor-1016	0.05 ug/mL
							Aroclor-1260	0.05 ug/mL
							PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
					SGPCGSURRSTK_00003	0.125 mL	DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
.SG1016/1260_00006	01/23/14	01/23/13	HEXANE, Lot 0000017861	100 mL	SG1016/1260MX_00004	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.2ppm_00006	08/31/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SG1016/1260_00006	2 mL	PCB-1016 Peak 1	0.2 ug/mL
							PCB-1016 Peak 2	0.2 ug/mL
							PCB-1016 Peak 3	0.2 ug/mL
							PCB-1016 Peak 4	0.2 ug/mL
							PCB-1016 Peak 5	0.2 ug/mL
							PCB-1260 Peak 1	0.2 ug/mL
							PCB-1260 Peak 2	0.2 ug/mL
							PCB-1260 Peak 3	0.2 ug/mL
							PCB-1260 Peak 4	0.2 ug/mL
							PCB-1260 Peak 5	0.2 ug/mL
					SGPCGSURRSTK_00003	0.5 mL	DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SG1016/1260_00006	01/23/14	01/23/13	HEXANE, Lot 0000017861	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.5PPM_00015	07/23/13	01/23/13	HEXANE, Lot 0000017861	200 mL	SG1016/1260_00006	10 mL	PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00006	01/23/14	01/23/13	HEXANE, Lot 0000017861	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.5PPM_00016	08/31/13	03/05/13	HEXANE, Lot 0000021949	200 mL	SG1016/1260_00006	10 mL	Aroclor-1016	0.5 ug/mL
							Aroclor-1260	0.5 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00006	01/23/14	01/23/13	HEXANE, Lot 0000017861	100 mL	SG1016/1260MX_00004	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@1.0PPM_00006	08/31/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SG1016/1260_00006	10 mL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SG1016/1260_00006	01/23/14	01/23/13	HEXANE, Lot 0000017861	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@2.0PPM_00006	08/31/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SG1016/1260_00006	20 mL	PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL
					SGPCGSURRSTK_00003	5 mL	DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SG1016/1260_00006	01/23/14	01/23/13	HEXANE, Lot 0000017861	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660STD@0.1_00006	08/31/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SG1016/1260_00006	1 mL	PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
					SGPCGSURRSTK_00003	0.25 mL	DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SG1016/1260_00006	01/23/14	01/23/13	HEXANE, Lot 0000017861	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG2154@0.05PP_00004	07/29/13	01/29/13	HEXANE, Lot 0000021949	100 mL	SG2154@10ppm_00003	0.5 mL	PCB-1221 Peak 1	0.05 ug/mL
							PCB-1221 Peak 2	0.05 ug/mL
							PCB-1221 Peak 3	0.05 ug/mL
							PCB-1254 Peak 1	0.05 ug/mL
							PCB-1254 Peak 2	0.05 ug/mL
							PCB-1254 Peak 3	0.05 ug/mL
							PCB-1254 Peak 4	0.05 ug/mL
							PCB-1254 Peak 5	0.05 ug/mL
.SG2154@10ppm_00003	01/29/14	01/29/13	HEXANE, Lot 0000021949	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.2PPM_00005	07/29/13	01/29/13	HEXANE, Lot 0000021949	100 mL	SG2154@10ppm_00003	2 mL	PCB-1221 Peak 1	0.2 ug/mL
							PCB-1221 Peak 2	0.2 ug/mL
							PCB-1221 Peak 3	0.2 ug/mL
							PCB-1254 Peak 1	0.2 ug/mL
							PCB-1254 Peak 2	0.2 ug/mL
							PCB-1254 Peak 3	0.2 ug/mL
							PCB-1254 Peak 4	0.2 ug/mL
							PCB-1254 Peak 5	0.2 ug/mL
.SG2154@10ppm_00003	01/29/14	01/29/13	HEXANE, Lot 0000021949	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.5PPM_00008	07/29/13	01/29/13	HEXANE, Lot 00000021949	100 mL	SG2154@10ppm_00003	5 mL	PCB-1221 Peak 1	0.5 ug/mL
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL
							PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
.SG2154@10ppm_00003	01/29/14	01/29/13	HEXANE, Lot 0000021949	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@1.0PPM_00005	07/29/13	01/29/13	HEXANE, Lot 0000021949	100 mL	SG2154@10ppm_00003	10 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
							PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
.SG2154@10ppm_00003	01/29/14	01/29/13	HEXANE, Lot 0000021949	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@2.0PPM_00005	07/29/13	01/29/13	HEXANE, Lot 0000021949	100 mL	SG2154@10ppm_00003	20 mL	PCB-1221 Peak 1	2 ug/mL
							PCB-1221 Peak 2	2 ug/mL
							PCB-1221 Peak 3	2 ug/mL
							PCB-1254 Peak 1	2 ug/mL
							PCB-1254 Peak 2	2 ug/mL
							PCB-1254 Peak 3	2 ug/mL
							PCB-1254 Peak 4	2 ug/mL
							PCB-1254 Peak 5	2 ug/mL
.SG2154@10ppm_00003	01/29/14	01/29/13	HEXANE, Lot 0000021949	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@O.1PPM_00005	07/29/13	01/29/13	HEXANE, Lot 0000021949	100 mL	SG2154@10ppm_00003	1 mL	PCB-1221 Peak 1	0.1 ug/mL
							PCB-1221 Peak 2	0.1 ug/mL
							PCB-1221 Peak 3	0.1 ug/mL
							PCB-1254 Peak 1	0.1 ug/mL
							PCB-1254 Peak 2	0.1 ug/mL
							PCB-1254 Peak 3	0.1 ug/mL
							PCB-1254 Peak 4	0.1 ug/mL
							PCB-1254 Peak 5	0.1 ug/mL
.SG2154@10ppm_00003	01/29/14	01/29/13	HEXANE, Lot 0000021949	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SGPestAB1_00004	09/04/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SGPESTABST_00005	25 uL	4,4'-DDD	0.005 ug/mL
							4,4'-DDE	0.005 ug/mL
							4,4'-DDT	0.005 ug/mL
							Aldrin	0.005 ug/mL
							alpha-BHC	0.005 ug/mL
							alpha-Chlordane	0.005 ug/mL
							beta-BHC	0.005 ug/mL
							delta-BHC	0.005 ug/mL
							Dieldrin	0.005 ug/mL
							Endosulfan I	0.005 ug/mL
							Endosulfan II	0.005 ug/mL
							Endosulfan sulfate	0.005 ug/mL
							Endrin	0.005 ug/mL
							Endrin aldehyde	0.005 ug/mL
							Endrin ketone	0.005 ug/mL
							gamma-BHC (Lindane)	0.005 ug/mL
							gamma-Chlordane	0.005 ug/mL
							Heptachlor	0.005 ug/mL
							Heptachlor epoxide	0.005 ug/mL
							Methoxychlor	0.005 ug/mL
							DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SGPESTABST_00005	09/04/13	03/04/13	HEXANE, Lot 0000021949	10 mL	SGPESTAB_00005	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00002	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00005	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00002	04/20/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB2_00004	09/04/13	03/04/13	HEXANE, Lot 00000121949	100 mL	SGPESTABST_00005	50 uL	4,4'-DDD	0.01 ug/mL
							4,4'-DDE	0.01 ug/mL
							4,4'-DDT	0.01 ug/mL
							Aldrin	0.01 ug/mL
							alpha-BHC	0.01 ug/mL
							alpha-Chlordane	0.01 ug/mL
							beta-BHC	0.01 ug/mL
							delta-BHC	0.01 ug/mL
							Dieldrin	0.01 ug/mL
							Endosulfan I	0.01 ug/mL
							Endosulfan II	0.01 ug/mL
							Endosulfan sulfate	0.01 ug/mL
							Endrin	0.01 ug/mL
							Endrin aldehyde	0.01 ug/mL
							Endrin ketone	0.01 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-BHC (Lindane)	0.01 ug/mL
							gamma-Chlordane	0.01 ug/mL
							Heptachlor	0.01 ug/mL
							Heptachlor epoxide	0.01 ug/mL
							Methoxychlor	0.01 ug/mL
							DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SGPESTABST_00005	09/04/13	03/04/13	HEXANE, Lot 0000021949	10 mL	SGPESTAB_00005	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00002	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00005	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methoxychlor	200 ug/mL
..SGPESTSURR_00002	04/20/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB3_00006	09/04/13	03/04/13	HEXANE, Lot 0000021949	200 mL	SGPESTABST_00005	250 uL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
							DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SGPESTABST_00005	09/04/13	03/04/13	HEXANE, Lot 0000021949	10 mL	SGPESTAB_00005	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00002	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SGPESTAB_00005	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00002	04/20/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB4_00004	09/04/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SGPESTABST_00005	250 uL	4,4'-DDD	0.05 ug/mL
							4,4'-DDE	0.05 ug/mL
							4,4'-DDT	0.05 ug/mL
							Aldrin	0.05 ug/mL
							alpha-BHC	0.05 ug/mL
							alpha-Chlordane	0.05 ug/mL
							beta-BHC	0.05 ug/mL
							delta-BHC	0.05 ug/mL
							Dieldrin	0.05 ug/mL
							Endosulfan I	0.05 ug/mL
							Endosulfan II	0.05 ug/mL
							Endosulfan sulfate	0.05 ug/mL
							Endrin	0.05 ug/mL
							Endrin aldehyde	0.05 ug/mL
							Endrin ketone	0.05 ug/mL
							gamma-BHC (Lindane)	0.05 ug/mL
							gamma-Chlordane	0.05 ug/mL
							Heptachlor	0.05 ug/mL
							Heptachlor epoxide	0.05 ug/mL
							Methoxychlor	0.05 ug/mL
							DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SGPESTABST_00005	09/04/13	03/04/13	HEXANE, Lot 0000021949	10 mL	SGPESTAB_00005	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00002	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00005	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00002	04/20/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB5_00004	09/04/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SGPESTABST_00005	500 uL	4,4'-DDD	0.1 ug/mL
							4,4'-DDE	0.1 ug/mL
							4,4'-DDT	0.1 ug/mL
							Aldrin	0.1 ug/mL
							alpha-BHC	0.1 ug/mL
							alpha-Chlordane	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							beta-BHC	0.1 ug/mL
							delta-BHC	0.1 ug/mL
							Dieldrin	0.1 ug/mL
							Endosulfan I	0.1 ug/mL
							Endosulfan II	0.1 ug/mL
							Endosulfan sulfate	0.1 ug/mL
							Endrin	0.1 ug/mL
							Endrin aldehyde	0.1 ug/mL
							Endrin ketone	0.1 ug/mL
							gamma-BHC (Lindane)	0.1 ug/mL
							gamma-Chlordane	0.1 ug/mL
							Heptachlor	0.1 ug/mL
							Heptachlor epoxide	0.1 ug/mL
							Methoxychlor	0.1 ug/mL
							DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SGPESTABST_00005	09/04/13	03/04/13	HEXANE, Lot 0000021949	10 mL	SGPESTAB_00005	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00002	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00005	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00002	04/20/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB6_00004	09/04/13	03/04/13	HEXANE, Lot 0000021949	100 mL	SGPESTABST_00005	1 mL	4,4'-DDD	0.2 ug/mL
							4,4'-DDE	0.2 ug/mL
							4,4'-DDT	0.2 ug/mL
							Aldrin	0.2 ug/mL
							alpha-BHC	0.2 ug/mL
							alpha-Chlordane	0.2 ug/mL
							beta-BHC	0.2 ug/mL
							delta-BHC	0.2 ug/mL
							Dieldrin	0.2 ug/mL
							Endosulfan I	0.2 ug/mL
							Endosulfan II	0.2 ug/mL
							Endosulfan sulfate	0.2 ug/mL
							Endrin	0.2 ug/mL
							Endrin aldehyde	0.2 ug/mL
							Endrin ketone	0.2 ug/mL
							gamma-BHC (Lindane)	0.2 ug/mL
							gamma-Chlordane	0.2 ug/mL
							Heptachlor	0.2 ug/mL
							Heptachlor epoxide	0.2 ug/mL
							Methoxychlor	0.2 ug/mL
							DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.SGPESTABST_00005	09/04/13	03/04/13	HEXANE, Lot 0000021949	10 mL	SGPESTAB_00005	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00002	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00005	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00002	04/20/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPESTABCV_00011	07/25/13	01/25/13	HEXANE, Lot 0000017861	100 mL	SGPESTABIC_00005	250 uL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
.SGPESTABIC_00005	01/25/14	01/25/13	HEXANE, Lot 0000017861	100 mL	SGPESTABIV_00008	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..SGPESTABIV_00008	11/30/14		Ultra Scientific, Lot CJ-3745		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
SGPESTPEMS_00008	12/31/15		Restek, Lot A085642		(Purchased Reagent)		4,4'-DDT	10 ug/mL
							alpha-BHC	1 ug/mL
							beta-BHC	1 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	5 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							Methoxychlor	25 ug/mL
							Tetrachloro-m-xylene	1 ug/mL
SGPESTTOXI_00006	01/24/14	01/24/13	HEXANE, Lot 0000017861	100 mL	SGPESTTOX_00014	1 mL	Toxaphene	10 ug/mL
							Toxaphene Peak 1	10 ug/mL
							Toxaphene Peak 2	10 ug/mL
							Toxaphene Peak 3	10 ug/mL
							Toxaphene Peak 4	10 ug/mL
							Toxaphene Peak 5	10 ug/mL
.SGPESTTOX_00014	12/31/15		SUPELCO, Lot LB96954		(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
SGPESTTOXS_00010	07/27/13	03/05/13	HEXANE, Lot 0000021949	100 mL	SGPESTTOX_00010	1 mL	Toxaphene	10 ug/mL
							Toxaphene Peak 1	10 ug/mL
							Toxaphene Peak 2	10 ug/mL
							Toxaphene Peak 3	10 ug/mL
							Toxaphene Peak 4	10 ug/mL
							Toxaphene Peak 5	10 ug/mL
.SGPESTTOX_00010	07/31/13		Restek, Lot A067190		(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
SMLIST1 L1 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	2 uL	1,1'-Biphenyl	0.1 ug/mL
							1,2,4-Trichlorobenzene	0.1 ug/mL
							1,2-Dichlorobenzene	0.1 ug/mL
							1,3-Dichlorobenzene	0.1 ug/mL
							1,4-Dichlorobenzene	0.1 ug/mL
							1-Methylnaphthalene	0.1 ug/mL
							2,4,5-Trichlorophenol	0.1 ug/mL
							2,4,6-Trichlorophenol	0.1 ug/mL
							2,4-Dichlorophenol	0.1 ug/mL
							2,4-Dimethylphenol	0.1 ug/mL
							2,4-Dinitrophenol	0.2 ug/mL
							2,4-Dinitrotoluene	0.1 ug/mL
							2,6-Dinitrotoluene	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	0.1 ug/mL
							2-Chlorophenol	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							2-Methylphenol	0.1 ug/mL
							2-Nitroaniline	0.1 ug/mL
							2-Nitrophenol	0.1 ug/mL
							3 & 4 Methylphenol	0.1 ug/mL
							3-Nitroaniline	0.1 ug/mL
							4,6-Dinitro-2-methylphenol	0.2 ug/mL
							4-Bromophenyl phenyl ether	0.1 ug/mL
							4-Chloro-3-methylphenol	0.1 ug/mL
							4-Chloroaniline	0.1 ug/mL
							4-Chlorophenyl phenyl ether	0.1 ug/mL
							4-Nitroaniline	0.1 ug/mL
							4-Nitrophenol	0.2 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Benzyl alcohol	0.1 ug/mL
							bis (2-chloroisopropyl) ether	0.1 ug/mL
							Bis(2-chloroethoxy)methane	0.1 ug/mL
							Bis(2-chloroethyl)ether	0.1 ug/mL
							Bis(2-ethylhexyl) phthalate	0.1 ug/mL
							Butyl benzyl phthalate	0.1 ug/mL
							Carbazole	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Di-n-butyl phthalate	0.1 ug/mL
							Di-n-octyl phthalate	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Dibenzofuran	0.1 ug/mL
							Diethyl phthalate	0.1 ug/mL
							Dimethyl phthalate	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Hexachlorobutadiene	0.1 ug/mL
							Hexachlorocyclopentadiene	0.1 ug/mL
							Hexachloroethane	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Isophorone	0.1 ug/mL
							N-Nitrosodi-n-propylamine	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Nitrobenzene	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	0.2 ug/mL
							Phenanthrene	0.1 ug/mL
							Phenol	0.1 ug/mL
							Pyrene	0.1 ug/mL
							3,3'-Dichlorobenzidine	0.2 ug/mL
							Benzoic acid	0.2 ug/mL
							N-Nitrosodiphenylamine	0.2 ug/mL
							Benzaldehyde	0.2 ug/mL
							2,4,6-Tribromophenol (Surr)	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							2-Fluorophenol (Surr)	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Phenol-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
					SMLIST1 S2_00002	300 uL	3,3'-Dichlorobenzidine	200 ug/mL
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SMLIST1 S2_00002	03/22/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SMLIST1 S3_00002	03/22/14		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 S5_00002	03/22/14		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SMLIST1 S6_00002	03/22/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..SMLIST1 SURR_00002	03/22/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L2 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	10 uL	1,1'-Biphenyl	0.5 ug/mL
							1,2,4,5-Tetrachlorobenzene	0.5 ug/mL
							1,2,4-Trichlorobenzene	0.5 ug/mL
							1,2-Dichlorobenzene	0.5 ug/mL
							1,2-Diphenylhydrazine	0.5 ug/mL
							1,3-Dichlorobenzene	0.5 ug/mL
							1,3-Dinitrobenzene	0.5 ug/mL
							1,4-Dichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	0.5 ug/mL
							2,3,4,6-Tetrachlorophenol	0.5 ug/mL
							2,4,5-Trichlorophenol	0.5 ug/mL
							2,4,6-Trichlorophenol	0.5 ug/mL
							2,4-Dichlorophenol	0.5 ug/mL
							2,4-Dimethylphenol	0.5 ug/mL
							2,4-Dinitrophenol	1 ug/mL
							2,4-Dinitrotoluene	0.5 ug/mL
							2,6-Dinitrotoluene	0.5 ug/mL
							2-Chloronaphthalene	0.5 ug/mL
							2-Chlorophenol	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							2-Methylphenol	0.5 ug/mL
							2-Nitroaniline	0.5 ug/mL
							2-Nitrophenol	0.5 ug/mL
							3 & 4 Methylphenol	0.5 ug/mL
							3-Nitroaniline	0.5 ug/mL
							4,6-Dinitro-2-methylphenol	1 ug/mL
							4-Bromophenyl phenyl ether	0.5 ug/mL
							4-Chloro-3-methylphenol	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							4-Chlorophenyl phenyl ether	0.5 ug/mL
							4-Nitroaniline	0.5 ug/mL
							4-Nitrophenol	1 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Acetophenone	0.5 ug/mL
							Aniline	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Azobenzene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Benzyl alcohol	0.5 ug/mL
							bis (2-chloroisopropyl) ether	0.5 ug/mL
							Bis(2-chloroethoxy)methane	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Bis(2-ethylhexyl) phthalate	0.5 ug/mL
							Butyl benzyl phthalate	0.5 ug/mL
							Carbazole	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Di-n-butyl phthalate	0.5 ug/mL
							Di-n-octyl phthalate	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Dibenzofuran	0.5 ug/mL
							Diethyl phthalate	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachlorocyclopentadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Isophorone	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							N-Nitrosodimethylamine	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
							Pentachlorophenol	1 ug/mL
							Phenanthrene	0.5 ug/mL
							Phenol	0.5 ug/mL
							Pyrene	0.5 ug/mL
							Pyridine	0.5 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							Atrazine	1 ug/mL
							Benzidine	1 ug/mL
							Caprolactam	1 ug/mL
							Benzoic acid	1 ug/mL
							Indene	1 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							Benzaldehyde	1 ug/mL
							2,4,6-Tribromophenol (Surr)	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL
							2-Fluorophenol (Surr)	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S2_00002	300 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S4_00002	300 uL	Indene	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S2_00002	03/22/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S3_00002	03/22/14		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 S4_00002	03/22/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..SMLIST1 S5_00002	03/22/14		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SMLIST1 S6_00002	03/22/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..SMLIST1 SURR_00002	03/22/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L3 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	20 uL	1,1'-Biphenyl	1 ug/mL
							1,2,4,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							1,3-Dinitrobenzene	1 ug/mL
							1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,3,4,6-Tetrachlorophenol	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitroaniline	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							4-Nitroaniline	1 ug/mL
							4-Nitrophenol	2 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Aniline	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Benzyl alcohol	1 ug/mL
							bis (2-chloroisopropyl) ether	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Fluoranthene	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenanthrene	1 ug/mL
							Phenol	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	1 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							Atrazine	2 ug/mL
							Benzidine	2 ug/mL
							Caprolactam	2 ug/mL
							Benzoic acid	2 ug/mL
							Indene	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							Benzaldehyde	2 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S2_00002	300 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S4_00002	300 uL	Indene	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S2_00002	03/22/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S3_00002	03/22/14		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 S4_00002	03/22/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..SMLIST1 S5_00002	03/22/14		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SMLIST1 S6_00002	03/22/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..SMLIST1 SURR_00002	03/22/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L4 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	40 uL	1,1'-Biphenyl	2 ug/mL
							1,2,4,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,3-Dinitrobenzene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2,3,4,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3 & 4 Methylphenol	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	4 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Aniline	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Benzyl alcohol	2 ug/mL
							bis (2-chloroisopropyl) ether	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							Naphthalene	2 ug/mL
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							Pyridine	2 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Atrazine	4 ug/mL
							Benzidine	4 ug/mL
							Caprolactam	4 ug/mL
							Benzoic acid	4 ug/mL
							Indene	4 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
							Benzaldehyde	4 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S2_00002	300 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S4_00002	300 uL	Indene	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S2_00002	03/22/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S3_00002	03/22/14		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 S4_00002	03/22/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..SMLIST1 S5_00002	03/22/14		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SMLIST1 S6_00002	03/22/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..SMLIST1 SURR_00002	03/22/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L5 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	100 uL	1,1'-Biphenyl	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,3-Dinitrobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Aniline	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							bis (2-chloroisopropyl) ether	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL
							Pyridine	5 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Atrazine	10 ug/mL
							Benzidine	10 ug/mL
							Caprolactam	10 ug/mL
							Benzoic acid	10 ug/mL
							Indene	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Benzaldehyde	10 ug/mL
							2,4,6-Tribromophenol (Surr)	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S2_00002	300 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S4_00002	300 uL	Indene	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S2_00002	03/22/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S3_00002	03/22/14		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 S4_00002	03/22/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..SMLIST1 S5_00002	03/22/14		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SMLIST1 S6_00002	03/22/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..SMLIST1 SURR_00002	03/22/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L6 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	200 uL	1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							bis (2-chloroisopropyl) ether	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Atrazine	20 ug/mL
							Benzidine	20 ug/mL
							Caprolactam	20 ug/mL
							Benzoic acid	20 ug/mL
							Indene	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Benzaldehyde	20 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S2_00002	300 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S4_00002	300 uL	Indene	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S2_00002	03/22/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S3_00002	03/22/14		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 S4_00002	03/22/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..SMLIST1 S5_00002	03/22/14		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SMLIST1 S6_00002	03/22/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..SMLIST1 SURR_00002	03/22/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L7 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	300 uL	1,1'-Biphenyl	15 ug/mL
							1,2,4,5-Tetrachlorobenzene	15 ug/mL
							1,2,4-Trichlorobenzene	15 ug/mL
							1,2-Dichlorobenzene	15 ug/mL
							1,2-Diphenylhydrazine	15 ug/mL
							1,3-Dichlorobenzene	15 ug/mL
							1,3-Dinitrobenzene	15 ug/mL
							1,4-Dichlorobenzene	15 ug/mL
							1,4-Dioxane	15 ug/mL
							1-Methylnaphthalene	15 ug/mL
							2,3,4,6-Tetrachlorophenol	15 ug/mL
							2,4,5-Trichlorophenol	15 ug/mL
							2,4,6-Trichlorophenol	15 ug/mL
							2,4-Dichlorophenol	15 ug/mL
							2,4-Dimethylphenol	15 ug/mL
							2,4-Dinitrophenol	30 ug/mL
							2,4-Dinitrotoluene	15 ug/mL
							2,6-Dinitrotoluene	15 ug/mL
							2-Chloronaphthalene	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	15 ug/mL
							2-Methylnaphthalene	15 ug/mL
							2-Methylphenol	15 ug/mL
							2-Nitroaniline	15 ug/mL
							2-Nitrophenol	15 ug/mL
							3 & 4 Methylphenol	15 ug/mL
							3-Nitroaniline	15 ug/mL
							4,6-Dinitro-2-methylphenol	30 ug/mL
							4-Bromophenyl phenyl ether	15 ug/mL
							4-Chloro-3-methylphenol	15 ug/mL
							4-Chloroaniline	15 ug/mL
							4-Chlorophenyl phenyl ether	15 ug/mL
							4-Nitroaniline	15 ug/mL
							4-Nitrophenol	30 ug/mL
							Acenaphthene	15 ug/mL
							Acenaphthylene	15 ug/mL
							Acetophenone	15 ug/mL
							Aniline	15 ug/mL
							Anthracene	15 ug/mL
							Azobenzene	15 ug/mL
							Benzo[a]anthracene	15 ug/mL
							Benzo[a]pyrene	15 ug/mL
							Benzo[b]fluoranthene	15 ug/mL
							Benzo[g,h,i]perylene	15 ug/mL
							Benzo[k]fluoranthene	15 ug/mL
							Benzyl alcohol	15 ug/mL
							bis (2-chloroisopropyl) ether	15 ug/mL
							Bis(2-chloroethoxy)methane	15 ug/mL
							Bis(2-chloroethyl)ether	15 ug/mL
							Bis(2-ethylhexyl) phthalate	15 ug/mL
							Butyl benzyl phthalate	15 ug/mL
							Carbazole	15 ug/mL
							Chrysene	15 ug/mL
							Di-n-butyl phthalate	15 ug/mL
							Di-n-octyl phthalate	15 ug/mL
							Dibenz(a,h)anthracene	15 ug/mL
							Dibenzofuran	15 ug/mL
							Diethyl phthalate	15 ug/mL
							Dimethyl phthalate	15 ug/mL
							Fluoranthene	15 ug/mL
							Fluorene	15 ug/mL
							Hexachlorobenzene	15 ug/mL
							Hexachlorobutadiene	15 ug/mL
							Hexachlorocyclopentadiene	15 ug/mL
							Hexachloroethane	15 ug/mL
							Indeno[1,2,3-cd]pyrene	15 ug/mL
							Isophorone	15 ug/mL
							N-Nitrosodi-n-propylamine	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	15 ug/mL
							Naphthalene	15 ug/mL
							Nitrobenzene	15 ug/mL
							Pentachlorophenol	30 ug/mL
							Phenanthrene	15 ug/mL
							Phenol	15 ug/mL
							Pyrene	15 ug/mL
							Pyridine	15 ug/mL
							3,3'-Dichlorobenzidine	30 ug/mL
							Atrazine	30 ug/mL
							Benzidine	30 ug/mL
							Caprolactam	30 ug/mL
							Benzoic acid	30 ug/mL
							Indene	30 ug/mL
							N-Nitrosodiphenylamine	30 ug/mL
							Benzaldehyde	30 ug/mL
							2,4,6-Tribromophenol (Surr)	15 ug/mL
							2-Fluorobiphenyl (Surr)	15 ug/mL
							2-Fluorophenol (Surr)	15 ug/mL
							Nitrobenzene-d5 (Surr)	15 ug/mL
							Phenol-d5 (Surr)	15 ug/mL
							Terphenyl-d14 (Surr)	15 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S2_00002	300 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S4_00002	300 uL	Indene	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S2_00002	03/22/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S3_00002	03/22/14		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 S4_00002	03/22/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..SMLIST1 S5_00002	03/22/14		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SMLIST1 S6_00002	03/22/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..SMLIST1 SURR_00002	03/22/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L8 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	400 uL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							Naphthalene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
							3,3'-Dichlorobenzidine	40 ug/mL
							Atrazine	40 ug/mL
							Benzidine	40 ug/mL
							Caprolactam	40 ug/mL
							Benzoic acid	40 ug/mL
							Indene	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							Benzaldehyde	40 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S2_00002	300 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S4_00002	300 uL	Indene	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S2_00002	03/22/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S3_00002	03/22/14		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 S4_00002	03/22/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..SMLIST1 S5_00002	03/22/14		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SMLIST1 S6_00002	03/22/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..SMLIST1 SURR_00002	03/22/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L9 W_00002	03/22/14	03/25/13	MECL2, Lot 0000028522	2 mL	SMIS80PPMW_00008	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00002	500 uL	1,1'-Biphenyl	25 ug/mL
							1,2,4,5-Tetrachlorobenzene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Diphenylhydrazine	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,3-Dinitrobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							1,4-Dioxane	25 ug/mL
							1-Methylnaphthalene	25 ug/mL
							2,3,4,6-Tetrachlorophenol	25 ug/mL
							2,4,5-Trichlorophenol	25 ug/mL
							2,4,6-Trichlorophenol	25 ug/mL
							2,4-Dichlorophenol	25 ug/mL
							2,4-Dimethylphenol	25 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2,4-Dinitrotoluene	25 ug/mL
							2,6-Dinitrotoluene	25 ug/mL
							2-Chloronaphthalene	25 ug/mL
							2-Chlorophenol	25 ug/mL
							2-Methylnaphthalene	25 ug/mL
							2-Methylphenol	25 ug/mL
							2-Nitroaniline	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	25 ug/mL
							3 & 4 Methylphenol	25 ug/mL
							3-Nitroaniline	25 ug/mL
							4,6-Dinitro-2-methylphenol	50 ug/mL
							4-Bromophenyl phenyl ether	25 ug/mL
							4-Chloro-3-methylphenol	25 ug/mL
							4-Chloroaniline	25 ug/mL
							4-Chlorophenyl phenyl ether	25 ug/mL
							4-Nitroaniline	25 ug/mL
							4-Nitrophenol	50 ug/mL
							Acenaphthene	25 ug/mL
							Acenaphthylene	25 ug/mL
							Acetophenone	25 ug/mL
							Aniline	25 ug/mL
							Anthracene	25 ug/mL
							Azobenzene	25 ug/mL
							Benzo[a]anthracene	25 ug/mL
							Benzo[a]pyrene	25 ug/mL
							Benzo[b]fluoranthene	25 ug/mL
							Benzo[g,h,i]perylene	25 ug/mL
							Benzo[k]fluoranthene	25 ug/mL
							Benzyl alcohol	25 ug/mL
							bis (2-chloroisopropyl) ether	25 ug/mL
							Bis(2-chloroethoxy)methane	25 ug/mL
							Bis(2-chloroethyl)ether	25 ug/mL
							Bis(2-ethylhexyl) phthalate	25 ug/mL
							Butyl benzyl phthalate	25 ug/mL
							Carbazole	25 ug/mL
							Chrysene	25 ug/mL
							Di-n-butyl phthalate	25 ug/mL
							Di-n-octyl phthalate	25 ug/mL
							Dibenz(a,h)anthracene	25 ug/mL
							Dibenzofuran	25 ug/mL
							Diethyl phthalate	25 ug/mL
							Dimethyl phthalate	25 ug/mL
							Fluoranthene	25 ug/mL
							Fluorene	25 ug/mL
							Hexachlorobenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							Hexachlorocyclopentadiene	25 ug/mL
							Hexachloroethane	25 ug/mL
							Indeno[1,2,3-cd]pyrene	25 ug/mL
							Isophorone	25 ug/mL
							N-Nitrosodi-n-propylamine	25 ug/mL
							N-Nitrosodimethylamine	25 ug/mL
							Naphthalene	25 ug/mL
							Nitrobenzene	25 ug/mL
							Pentachlorophenol	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	25 ug/mL
							Phenol	25 ug/mL
							Pyrene	25 ug/mL
							Pyridine	25 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL
							Atrazine	50 ug/mL
							Benzidine	50 ug/mL
							Caprolactam	50 ug/mL
							Benzoic acid	50 ug/mL
							Indene	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
							Benzaldehyde	50 ug/mL
							2,4,6-Tribromophenol (Surr)	25 ug/mL
							2-Fluorobiphenyl (Surr)	25 ug/mL
							2-Fluorophenol (Surr)	25 ug/mL
							Nitrobenzene-d5 (Surr)	25 ug/mL
							Phenol-d5 (Surr)	25 ug/mL
							Terphenyl-d14 (Surr)	25 ug/mL
.SMIS80PPMW_00008	03/22/14	03/22/13	MECL2, Lot 0000028522	50 mL	SMIS R_00002	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00002	03/22/14	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00002	03/22/14	03/22/13	MECL2, Lot 0000028522	3 mL	SMLIST1 S1_00002	300 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S2_00002	300 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S3_00002	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 S4_00002	300 uL	Indene	200 ug/mL
					SMLIST1 S5_00002	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1 S6_00002	300 uL	Benzaldehyde	200 ug/mL
					SMLIST1 SURR_00002	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00002	03/22/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S2_00002	03/22/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S3_00002	03/22/14		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 S4_00002	03/22/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..SMLIST1 S5_00002	03/22/14		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SMLIST1 S6_00002	03/22/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..SMLIST1 SURR_00002	03/22/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 SS W_00001	03/22/14	04/02/13	MECL2, Lot 0000028522	2 mL	SMLIST1 SS ST_00001	200 uL	1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							bis (2-chloroisopropyl) ether	7.2 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzoic acid	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMLIST1 SS ST_00001	03/22/14	04/02/13	MECL2, Lot 0000028522	3 mL	SMLIST1 SS S1_00001	300 uL	1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	72 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
					SMLIST1 SS S2_00001	300 uL	3,3'-Dichlorobenzidine	200 ug/mL
					SMLIST1 SS S3_00001	300 uL	Benzoic acid	200 ug/mL
					SMLIST1 SS S5_00001	300 uL	N-Nitrosodiphenylamine	200 ug/mL
					SMLIST1SS SUR_00001	60 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 SS S1_00001	04/01/14		Restek, Lot A094002		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	720 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SMLIST1 SS S2_00001	04/01/14		Restek, Lot A093775		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SMLIST1 SS S3_00001	04/01/14		Restek, Lot A093654		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 SS S5_00001	04/01/14		Restek, Lot A093671		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SMLIST1SS SUR_00001	03/22/14		Restek, Lot A092712		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
VM250SS_00010	06/07/13	12/07/12	MEOH, Lot 123279	100 mL	VMCUS8125_00007	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.VMCUS8125_00007	10/31/14		Ultra Scientific, Lot CG-3334		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	25000 ug/mL
							4-Bromofluorobenzene (Surr)	25000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromofluoromethane (Surr)	25000 ug/mL
							Toluene-d8 (Surr)	25000 ug/mL
VM50IS_00026	06/01/13	03/01/13	MEOH, Lot 124454	50 mL	VMSTM520_00016	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.VMSTM520_00016	12/31/14	Ultra Scientific, Lot CH-3660			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50ss_00101	04/08/13	04/01/13	MEOH, Lot na	2 mL	vm50ss_stk_00049	2 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00049	06/15/13	03/15/13	MEOH, Lot 124454	50 mL	VMstm530_00019	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VMstm530_00019	05/31/15	Ultra Scientific, Lot CJ-1280			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_stk_00049	06/15/13	03/15/13	MEOH, Lot 124454	50 mL	VMstm530_00019	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VMstm530_00019	05/31/15	Ultra Scientific, Lot CJ-1280			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VM567649_00002	02/28/18	restek, Lot A093504			(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
VMCGAS_00115	04/01/13	03/25/13	MEOH, Lot 124454	10 mL	VMDWM544_00012	250 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00012	06/30/15	ULTRA, Lot CJ-1658			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMCGAS_00116	04/09/13	04/02/13	MEOH, Lot 124454	10 mL	VMDWM544_00012	250 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00012	06/30/15	ULTRA, Lot CJ-1658			(Purchased Reagent)		Bromomethane	2000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMFASWS_00139	04/04/13	03/28/13	MEOH, Lot na	3 mL	VMFAS_00037	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00037	04/20/13	03/20/13	MEOH, Lot 124454	100 mL	VM48799U_00011	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00022	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00011	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00022	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMFASWS_00140	04/12/13	04/05/13	MEOH, Lot na	3 mL	VMFAS_00037	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00037	04/20/13	03/20/13	MEOH, Lot 124454	100 mL	VM48799U_00011	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00022	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00011	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00022	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMPRIMARY_00174	04/06/13	03/30/13	MEOH, Lot na	1 mL	VMCUS7814_00021	1 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00021	01/31/15		Ultra Scientific, Lot CJ-4366		(Purchased Reagent)		1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMPRIMARY_00175	04/09/13	04/02/13	MEOH, Lot na	1 mL	VMCUS7814_00021	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00021	01/31/15		Ultra Scientific, Lot CJ-4366		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMRGAS_00002	04/08/14	04/01/13	MEOH, Lot 124454	10 mL	vm567645_00002	250 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.vm567645_00002	02/28/15	Restek, Lot A093341			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMRPRIMW_00001	04/08/13	04/01/13	MEOH, Lot 124454	1 mL	VMRPRIM_00003	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Xylenes, Total	100 ug/mL
							2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							Acrolein	500 ug/mL
							Vinyl acetate	50 ug/mL
.VMRPRIM_00003	06/30/13	04/01/13	MEOH, Lot 124454	10 mL	VM567641_00002	250 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VM567642_00002	100 uL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM567643_00002	500 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VM567644_00002	1 mL	Acrolein	500 ug/mL
					VM567646_00002	125 uL	Vinyl acetate	50 ug/mL
..VM567641_00002	02/29/16		restek, Lot A093581		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
..VM567642_00002	02/29/16		Restek, Lot A093365		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
..VM567643_00002	02/29/16		restek, Lot A093368		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
..VM567644_00002	06/30/13		Restek, Lot A093659		(Purchased Reagent)		Acrolein	5000 ug/mL
..VM567646_00002	08/31/13		Restek, Lot A093363		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
VMSUPPW_00119	04/01/13	03/25/13	MEOH, Lot na	1 mL	VMSUPP_00019	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
.VMSUPP_00019	04/30/13	01/31/13	MEOH, Lot 124454	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
..VM30006_00004	11/30/13		Restek, Lot A076449		(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
VMSUPPW_00120	04/09/13	04/02/13	MEOH, Lot na	1 mL	VMSUPP_00019	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							Vinyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VMSUPP_00019	04/30/13	01/31/13	MEOH, Lot 124454	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VMCU5013_00009	1 mL	Vinyl acetate	50 ug/mL
					VMCUS8634_00008	1 mL	Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
					VMEPA1016_00006	1 mL	2-Chloroethyl vinyl ether	100 ug/mL
..VM30006_00004	11/30/13	Restek, Lot A076449			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
..VMCU5013_00009	05/31/13	Ultra, Lot CK-0277			(Purchased Reagent)		Vinyl acetate	2500 ug/mL
..VMCUS8634_00008	05/31/13	Ultra, Lot CK-0228			(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Acrolein	25000 ug/mL
							Acrylonitrile	5000 ug/mL
..VMEPA1016_00006	06/30/14	Ultra, Lot CG-0850A			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
CCVHL1_00002	05/01/13	04/10/13	2% Nitric Acid, Lot 12756	50 mL	MCGAL10-1_00004	2.5 mL	Aluminum	500 ppm
					MCGBA1-1_00003	0.75 mL	Barium	15 ppm
					MCGCR(3)1-1_00003	1 mL	Chromium	20 ppm
					MCGCU1-1_00003	1 mL	Copper	20 ppm
					MCGFE10-1_00003	2.5 mL	Iron	500 ppm
					MCGMN1-1_00003	1 mL	Manganese	20 ppm
					MCGNI1-1_00003	0.5 mL	Nickel	10 ppm
					MCGPB1-1_00003	1 mL	Lead	20 ppm
					MCGZN1-1_00003	1 mL	Zinc	20 ppm
.MCGAL10-1_00004	12/01/13	Inorganic Ventures, Lot E2-AL04115			(Purchased Reagent)		Aluminum	10000 ppm
.MCGBA1-1_00003	12/01/13	Inorganic Ventures, Lot D2-BA02066			(Purchased Reagent)		Barium	1000 ppm
.MCGCR(3)1-1_00003	12/01/13	Inorganic Ventures, Lot E2-CR03060			(Purchased Reagent)		Chromium	1000 ppm
.MCGCU1-1_00003	12/01/13	Inorganic Ventures, Lot D2-CU02130			(Purchased Reagent)		Copper	1000 ppm
.MCGFE10-1_00003	06/01/13	Inorganic Ventures, Lot E2-FE03145			(Purchased Reagent)		Iron	10000 ppm
.MCGMN1-1_00003	08/01/13	Inorganic Ventures, Lot E2-MN02093			(Purchased Reagent)		Manganese	1000 ppm
.MCGNI1-1_00003	12/01/13	Inorganic Ventures, Lot D2-NI02074			(Purchased Reagent)		Nickel	1000 ppm
.MCGPB1-1_00003	05/01/13	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 ppm
.MCGZN1-1_00003	12/01/13	Inorganic Ventures, Lot D2-ZN02075			(Purchased Reagent)		Zinc	1000 ppm
CCVHL2_00002	05/01/13	04/10/13	2% Nitric Acid, Lot 12756	50 mL	MCGCA10-1_00003	5 mL	Calcium	1000 ppm
					MCGK10-1_00003	2.5 mL	Potassium	500 ppm
					MCGMG10-1_00004	5 mL	Magnesium	1000 ppm
					MCGNA10-1_00003	2.5 mL	Sodium	500 ppm
.MCGCA10-1_00003	06/01/13	Inorganic Ventures, Lot F2-CA04043			(Purchased Reagent)		Calcium	10000 ppm
.MCGK10-1_00003	05/01/13	Inorganic Ventures, Lot F2-K03029			(Purchased Reagent)		Potassium	10000 ppm
.MCGMG10-1_00004	12/01/13	Inorganic Ventures, Lot E2-MG03106			(Purchased Reagent)		Magnesium	10000 ppm
.MCGNA10-1_00003	08/01/13	Inorganic Ventures, Lot E2-NA03095			(Purchased Reagent)		Sodium	10000 ppm
MCCV1X_00041	05/22/13	04/22/13	2% Nitric Acid, Lot K35N55	500 mL	MCALSPECAREV_00004	10 mL	Aluminum	0.5 ppm
							Arsenic	0.1 ppm
							Barium	0.1 ppm
							Beryllium	0.1 ppm
							Cadmium	0.1 ppm
							Calcium	50 ppm
							Chromium	0.1 ppm
							Cobalt	0.1 ppm
							Copper	0.1 ppm
							Iron	25 ppm
							Lead	0.1 ppm
							Magnesium	50 ppm
							Manganese	0.5 ppm
							Nickel	0.1 ppm
							Potassium	50 ppm
							Selenium	0.1 ppm
							Silver	0.1 ppm
							Sodium	50 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thallium	0.1 ppm
							Vanadium	0.1 ppm
							Zinc	0.1 ppm
					MCALSPECB_00005	10 mL	Antimony	0.1 ppm
.MCALSPECAREV_00004	04/01/14	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Aluminum	25 ppm
							Arsenic	5 ppm
							Barium	5 ppm
							Beryllium	5 ppm
							Cadmium	5 ppm
							Calcium	2500 ppm
							Chromium	5 ppm
							Cobalt	5 ppm
							Copper	5 ppm
							Iron	1250 ppm
							Lead	5 ppm
							Magnesium	2500 ppm
							Manganese	25 ppm
							Nickel	5 ppm
							Potassium	2500 ppm
							Selenium	5 ppm
							Silver	5 ppm
							Sodium	2500 ppm
							Thallium	5 ppm
							Vanadium	5 ppm
							Zinc	5 ppm
.MCALSPECB_00005	04/01/14	Inorganic Ventures, Lot F2-MEB415032			(Purchased Reagent)		Antimony	5 ppm
MCRIX_00032	05/26/13	04/26/13	HNO3, Lot K09N65	250 mL	MMSCRI-1B_00002	1 mL	Aluminum	0.03 ppm
							Arsenic	0.001 ppm
							Barium	0.01 ppm
							Beryllium	0.001 ppm
							Cadmium	0.001 ppm
							Calcium	0.1 ppm
							Chromium	0.002 ppm
							Cobalt	0.0005 ppm
							Copper	0.002 ppm
							Iron	0.05 ppm
							Lead	0.001 ppm
							Magnesium	0.1 ppm
							Manganese	0.005 ppm
							Nickel	0.001 ppm
							Potassium	0.1 ppm
							Selenium	0.005 ppm
							Silver	0.001 ppm
							Sodium	0.1 ppm
							Thallium	0.001 ppm
							Vanadium	0.001 ppm
							Zinc	0.005 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MMSCRI-2_00004	1 mL	Antimony	0.002 ppm
.MMSCRI-1B_00002	10/01/13	Inorganic Ventures, Lot F2-MEB439152			(Purchased Reagent)		Aluminum	7.5 ppm
							Arsenic	0.25 ppm
							Barium	2.5 ppm
							Beryllium	0.25 ppm
							Cadmium	0.25 ppm
							Calcium	25 ppm
							Chromium	0.5 ppm
							Cobalt	0.125 ppm
							Copper	0.5 ppm
							Iron	12.5 ppm
							Lead	0.25 ppm
							Magnesium	25 ppm
							Manganese	1.25 ppm
							Nickel	0.25 ppm
							Potassium	25 ppm
							Selenium	1.25 ppm
							Silver	0.25 ppm
							Sodium	25 ppm
							Thallium	0.25 ppm
							Vanadium	0.25 ppm
							Zinc	1.25 ppm
.MMSCRI-2_00004	10/01/13	Inorganic Ventures, Lot F2-MEB436153			(Purchased Reagent)		Antimony	0.5 ppm
MICSABX_00035	05/26/13	04/26/13	2% Nitric Acid, Lot J38N82	100 mL	M6020ICS-0A_00003	10 mL	Aluminum	100 ppm
							Calcium	100 ppm
							Iron	100 ppm
							Magnesium	100 ppm
							Mo	2 ppm
							Potassium	100 ppm
							Sodium	100 ppm
							Ti	2 ppm
					M6020ICS-0B_00004	1 mL	Arsenic	0.02 ppm
							Cadmium	0.02 ppm
							Chromium	0.02 ppm
							Cobalt	0.02 ppm
							Copper	0.02 ppm
							Manganese	0.0225 ppm
							Nickel	0.02 ppm
							Silver	0.02 ppm
							Zinc	0.025 ppm
					MMSICSAB-1_00006	0.2 mL	Barium	0.02 ppm
							Beryllium	0.02 ppm
							Lead	0.02 ppm
							Sr	0.025 ppm
							Thallium	0.02 ppm
							Vanadium	0.02 ppm
					MMSICSAB-2_00005	0.2 mL	Antimony	0.02 ppm

Lab Name: TestAmerica Pittsburgh Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							B	0.05 ppm
							Selenium	0.05 ppm
							Si	0.5 ppm
							Sn	0.1 ppm
.M6020ICS-0A_00003	11/01/13	Inorganic Ventures, Lot F2-MEB418129			(Purchased Reagent)		Aluminum	1000 ppm
							Calcium	1000 ppm
							Iron	1000 ppm
							Magnesium	1000 ppm
							Mo	20 ppm
							Potassium	1000 ppm
							Sodium	1000 ppm
							Ti	20 ppm
.M6020ICS-0B_00004	11/01/13	Inorganic Ventures, Lot F2-MEB415126			(Purchased Reagent)		Arsenic	2 ppm
							Cadmium	2 ppm
							Chromium	2 ppm
							Cobalt	2 ppm
							Copper	2 ppm
							Manganese	2.25 ppm
							Nickel	2 ppm
							Silver	2 ppm
							Zinc	2.5 ppm
.MMSICSAB-1_00006	04/01/14	Inorganic Ventures, Lot F2-MEB415033			(Purchased Reagent)		Barium	10 ppm
							Beryllium	10 ppm
							Lead	10 ppm
							Sr	12.5 ppm
							Thallium	10 ppm
							Vanadium	10 ppm
.MMSICSAB-2_00005	04/01/14	Inorganic Ventures, Lot G2-MEB467043			(Purchased Reagent)		Antimony	10 ppm
							B	25 ppm
							Selenium	25 ppm
							Si	250 ppm
							Sn	50 ppm
MICSAX_00031	05/26/13	04/26/13	DI Water, Lot J38N82	100 mL	M6020ICS-0A_00003	10 mL	Aluminum	100 ppm
							Calcium	100 ppm
							Iron	100 ppm
							Magnesium	100 ppm
							Mo	2 ppm
							Potassium	100 ppm
							Sodium	100 ppm
							Ti	2 ppm
.M6020ICS-0A_00003	11/01/13	Inorganic Ventures, Lot F2-MEB418129			(Purchased Reagent)		Aluminum	1000 ppm
							Calcium	1000 ppm
							Iron	1000 ppm
							Magnesium	1000 ppm
							Mo	20 ppm
							Potassium	1000 ppm
							Sodium	1000 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ti	20 ppm
MICVX_00005	05/26/13	04/26/13	2% Nitric Acid, Lot K09N65	250 mg/L	MICPMSICV_00013	10 mg/L	Aluminum	0.4 mg/L
							Antimony	0.08 mg/L
							Arsenic	0.08 mg/L
							Barium	0.08 mg/L
							Beryllium	0.08 mg/L
							Cadmium	0.08 mg/L
							Calcium	40 mg/L
							Chromium	0.08 mg/L
							Cobalt	0.08 mg/L
							Copper	0.08 mg/L
							Iron	20 mg/L
							Lead	0.08 mg/L
							Magnesium	40 mg/L
							Manganese	0.4 mg/L
							Nickel	0.08 mg/L
							Potassium	40 mg/L
							Selenium	0.08 mg/L
							Silver	0.08 mg/L
							Sodium	40 mg/L
							Thallium	0.08 mg/L
							Vanadium	0.08 mg/L
							Zinc	0.08 mg/L
.MICPMSICV_00013	12/30/13	SPEX CertiPrep, Lot 17-147CR			(Purchased Reagent)		Aluminum	10 ppm
							Antimony	2 ppm
							Arsenic	2 ppm
							Barium	2 ppm
							Beryllium	2 ppm
							Cadmium	2 ppm
							Calcium	1000 ppm
							Chromium	2 ppm
							Cobalt	2 ppm
							Copper	2 ppm
							Iron	500 ppm
							Lead	2 ppm
							Magnesium	1000 ppm
							Manganese	10 ppm
							Nickel	2 ppm
							Potassium	1000 ppm
							Selenium	2 ppm
							Silver	2 ppm
							Sodium	1000 ppm
							Thallium	2 ppm
							Vanadium	2 ppm
							Zinc	2 ppm
MSTD2X_00020	05/26/13	04/26/13	DI Water, Lot K35N55	250 mL	MCALSPECAREV_00004	10 mg/L	Aluminum	1 ppm

Lab Name: TestAmerica Pittsburgh Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Arsenic	0.2 ppm
							Barium	0.2 ppm
							Beryllium	0.2 ppm
							Cadmium	0.2 ppm
							Calcium	100 ppm
							Chromium	0.2 ppm
							Cobalt	0.2 ppm
							Copper	0.2 ppm
							Iron	50 ppm
							Lead	0.2 ppm
							Magnesium	100 ppm
							Manganese	1 ppm
							Nickel	0.2 ppm
							Potassium	100 ppm
							Selenium	0.2 ppm
							Silver	0.2 ppm
							Sodium	100 ppm
							Thallium	0.2 ppm
							Vanadium	0.2 ppm
							Zinc	0.2 ppm
.MCALSPECAREV_00004	04/01/14	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Aluminum	25 ppm
							Arsenic	5 ppm
							Barium	5 ppm
							Beryllium	5 ppm
							Cadmium	5 ppm
							Calcium	2500 ppm
							Chromium	5 ppm
							Cobalt	5 ppm
							Copper	5 ppm
							Iron	1250 ppm
							Lead	5 ppm
							Magnesium	2500 ppm
							Manganese	25 ppm
							Nickel	5 ppm
							Potassium	2500 ppm
							Selenium	5 ppm
							Silver	5 ppm
							Sodium	2500 ppm
							Thallium	5 ppm
							Vanadium	5 ppm
							Zinc	5 ppm
MSTD3X_00021	05/26/13	04/26/13	2% Nitric Acid, Lot K35N55	250 mL	MCALSPECB_00005	10 mg/L	Antimony	0.2 ppm
.MCALSPECB_00005	04/01/14	Inorganic Ventures, Lot F2-MEB415032			(Purchased Reagent)		Antimony	5 ppm
MTAPITTICPMS_00011	02/01/14	INORGANIC VENTURES, Lot G2-MEB455121			(Purchased Reagent)		Aluminum	200 ug/mL
							Arsenic	4 ug/mL
							Barium	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Chromium	20 ug/mL
							Cobalt	50 ug/mL
							Copper	25 ug/mL
							Iron	100 ug/mL
							Lead	2 ug/mL
							Manganese	50 ug/mL
							Nickel	50 ug/mL
							Selenium	1 ug/mL
							Silver	5 ug/mL
							Thallium	5 ug/mL
							Vanadium	50 ug/mL
							Zinc	50 ug/mL
MTAPITTICPMS_00014	02/01/14	INORGANIC VENTURES, Lot E2-MEB379097			(Purchased Reagent)		Aluminum	200 ug/mL
							Arsenic	4 ug/mL
							B	100 ug/mL
							Barium	200 ug/mL
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Chromium	20 ug/mL
							Cobalt	50 ug/mL
							Copper	25 ug/mL
							Iron	100 ug/mL
							Lead	2 ug/mL
							Manganese	50 ug/mL
							Nickel	50 ug/mL
							Selenium	1 ug/mL
							Silver	5 ug/mL
							Sr	100 ug/mL
							Thallium	5 ug/mL
							Vanadium	50 ug/mL
							Zinc	50 ug/mL
MTAPITTMSA_00014	03/01/14	INORGANIC VENTURES, Lot G2-MEB458093			(Purchased Reagent)		Calcium	5000 ug/mL
							Magnesium	5000 ug/mL
							Potassium	5000 ug/mL
							Sodium	5000 ug/mL
MTAPITTMSC_00018	03/01/14	Inorganic Ventures, Lot G2-MEB458094			(Purchased Reagent)		Antimony	50 ug/mL
MTAPITTMSC_00020	03/01/14	Inorganic Ventures, Lot E2-MEB379096			(Purchased Reagent)		Antimony	50 ug/mL
							Mo	100 ug/mL
							Si	1000 ug/mL
							SiO2	2140 ug/mL
							Sn	200 ug/mL
							Ti	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
HP34DNTSU_00012	09/14/13	03/14/13	Acetonitrile, Lot Acetonitrite_00005	50 mL	HP8330SU_00011	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
.HP8330SU_00011	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
HP8330IC_00007	05/31/13	06/13/12	25% 0.1%HOAc in ACN, Lot 4457-73G	10 mL	HP8330TA_00010	25 uL	1,3,5-Trinitrobenzene	500 ng/mL
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							2-Nitrotoluene	500 ng/mL
							3-Nitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							4-Nitrotoluene	500 ng/mL
							HMX	500 ng/mL
							Nitrobenzene	500 ng/mL
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPNGTA_00013	50 uL	Nitroglycerin	500 ng/mL
					HPPETNTA_00011	5 uL	PETN	500 ng/mL
.HP8330TA_00010	08/30/16		Cerilliant, Lot ER083011-01		(Purchased Reagent)		1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							2,4,6-Trinitrotoluene	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Amino-4,6-dinitrotoluene	200 ug/mL
							2-Nitrotoluene	200 ug/mL
							3-Nitrotoluene	200 ug/mL
							4-Amino-2,6-dinitrotoluene	200 ug/mL
							4-Nitrotoluene	200 ug/mL
							HMX	200 ug/mL
							Nitrobenzene	200 ug/mL
							RDX	200 ug/mL
							Tetryl	200 ug/mL
.HPNGTA_00013	03/28/14		Accustandard, Lot 212031351		(Purchased Reagent)		Nitroglycerin	100 ug/mL
.HPPETNTA_00011	05/31/13		Accustandard, Lot 211051150		(Purchased Reagent)		PETN	1000 ug/mL
HP8330ICL_00003	05/11/13	12/11/12	25:75 HOAc/ACN, Lot 4457-69F	50 mL	HP34DNTSU_00008	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00011	5 uL	1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
					HPNGPETNSP_00001	20 uL	Nitroglycerin	20 ng/mL
							PETN	20 ng/mL
.HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00008	05/15/13		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00010	11/30/16		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330ICL_00005	09/13/13	04/19/13	25:75 HOAc/ACN, Lot 4457-91F	50 mL	HP34DNTSU_00013	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00016	5 uL	1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
					HPNGPETNSP_00006	20 uL	Nitroglycerin	20 ng/mL
							PETN	20 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HPPETNTA_00015	06/01/17	Restek, Lot A088943			(Purchased Reagent)		PETN	1000 ug/mL
HP8330ICL_00006	09/13/13	04/22/13	25:75 HOAc/ACN, Lot 4457-91F	50 mL	HP34DNTSU_00013	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00016	5 uL	1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
					HPNGPETNSP_00006	20 uL	Nitroglycerin	20 ng/mL
							PETN	20 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17	Restek, Lot A087054			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330TA_00012	04/13/16	Restek, Lot A090823			(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L1_00005	05/04/13	08/29/12	25% 1%HoAC in ACN 75, Lot 4457-51G	50 mL	HP8330L4_00004	5 mL	3,4-Dinitrotoluene	5 ng/mL
							3,5-Dinitroaniline	5 ng/mL
							1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
.HP8330L4_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00009	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00011	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
..HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
...HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
..HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
...HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
...HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
HP8330L1_00007	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	50 mL	HP8330L4_00007	5 mL	3,4-Dinitrotoluene	5 ng/mL
							3,5-Dinitroaniline	5 ng/mL
							1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
							Ethylene glycol dinitrate	5 ng/mL
							Nitroglycerin	5 ng/mL
							PETN	5 ng/mL
							2,4,6-Trinitrophenol	10 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.HP8330L4_00007	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	50 mL	HP34DNTSU_00013	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00016	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNSP_00007	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGPETNSP_00006	50 uL	Nitroglycerin	50 ng/mL
							PETN	50 ng/mL
					HPPASP_00010	100 uL	2,4,6-Trinitrophenol	100 ng/mL
..HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
...HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
..HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
...HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
...HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
..HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	15 mL	HPEGDNTA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
...HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
..HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
...HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
...HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
..HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
...HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L2_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00009	10 uL	3,4-Dinitrotoluene	10 ng/mL
					HP8330SP_00011	10 uL	3,5-Dinitroaniline	10 ng/mL
							1,3,5-Trinitrobenzene	10 ng/mL
							1,3-Dinitrobenzene	10 ng/mL
							2,4,6-Trinitrotoluene	10 ng/mL
							2,4-Dinitrotoluene	10 ng/mL
							2,6-Dinitrotoluene	10 ng/mL
							2-Amino-4,6-dinitrotoluene	10 ng/mL
							2-Nitrotoluene	10 ng/mL
							3-Nitrotoluene	10 ng/mL
							4-Amino-2,6-dinitrotoluene	10 ng/mL
							4-Nitrotoluene	10 ng/mL
							HMX	10 ng/mL
							Nitrobenzene	10 ng/mL
							RDX	10 ng/mL
							Tetryl	10 ng/mL
.HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00010	07/31/16	Restek, Lot A085338			(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00009	05/30/15	Restek, Lot A084334			(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
HP8330L2_00006	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	50 mL	HP34DNTSU_00013	10 uL	3,4-Dinitrotoluene	10 ng/mL
					HP8330SP_00016	10 uL	3,5-Dinitroaniline	10 ng/mL
							1,3,5-Trinitrobenzene	10 ng/mL
							1,3-Dinitrobenzene	10 ng/mL
							2,4,6-Trinitrotoluene	10 ng/mL
							2,4-Dinitrotoluene	10 ng/mL
							2,6-Dinitrotoluene	10 ng/mL
							2-Amino-4,6-dinitrotoluene	10 ng/mL
							2-Nitrotoluene	10 ng/mL
							3-Nitrotoluene	10 ng/mL
							4-Amino-2,6-dinitrotoluene	10 ng/mL
							4-Nitrotoluene	10 ng/mL
							HMX	10 ng/mL
							Nitrobenzene	10 ng/mL
							RDX	10 ng/mL
							Tetryl	10 ng/mL
					HPEGDNSP_00007	10 uL	Ethylene glycol dinitrate	10 ng/mL
					HPNGPETNSP_00006	10 uL	Nitroglycerin	10 ng/mL
							PETN	10 ng/mL
					HPPASP_00010	20 uL	2,4,6-Trinitrophenol	20 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17	Restek, Lot A087054			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	15 mL	HPEGDNTA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L3_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00009	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00011	20 uL	3,5-Dinitroaniline	20 ng/mL
							1,3,5-Trinitrobenzene	20 ng/mL
							1,3-Dinitrobenzene	20 ng/mL
							2,4,6-Trinitrotoluene	20 ng/mL
							2,4-Dinitrotoluene	20 ng/mL
							2,6-Dinitrotoluene	20 ng/mL
							2-Amino-4,6-dinitrotoluene	20 ng/mL
							2-Nitrotoluene	20 ng/mL
							3-Nitrotoluene	20 ng/mL
							4-Amino-2,6-dinitrotoluene	20 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	20 ng/mL
							HMX	20 ng/mL
							Nitrobenzene	20 ng/mL
							RDX	20 ng/mL
							Tetryl	20 ng/mL
					HPEGDNSP_00005	20 uL	Ethylene glycol dinitrate	20 ng/mL
					HPNGPETNSP_00001	20 uL	Nitroglycerin	20 ng/mL
							PETN	20 ng/mL
.HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPEGDNTA_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HPPETNTA_00010	11/30/16	Restek, Lot A085138			(Purchased Reagent)		PETN	1000 ug/mL
HP8330L3_00006	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	50 mL	HP34DNTSU_00013	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00016	20 uL	3,5-Dinitroaniline	20 ng/mL
							1,3,5-Trinitrobenzene	20 ng/mL
							1,3-Dinitrobenzene	20 ng/mL
							2,4,6-Trinitrotoluene	20 ng/mL
							2,4-Dinitrotoluene	20 ng/mL
							2,6-Dinitrotoluene	20 ng/mL
							2-Amino-4,6-dinitrotoluene	20 ng/mL
							2-Nitrotoluene	20 ng/mL
							3-Nitrotoluene	20 ng/mL
							4-Amino-2,6-dinitrotoluene	20 ng/mL
							4-Nitrotoluene	20 ng/mL
							HMX	20 ng/mL
							Nitrobenzene	20 ng/mL
							RDX	20 ng/mL
							Tetryl	20 ng/mL
					HPEGDNSP_00007	20 uL	Ethylene glycol dinitrate	20 ng/mL
					HPNGPETNSP_00006	20 uL	Nitroglycerin	20 ng/mL
							PETN	20 ng/mL
					HPPASP_00010	50 uL	2,4,6-Trinitrophenol	50 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17	Restek, Lot A087054			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17	Restek, Lot A088938			(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00012	04/13/16	Restek, Lot A090823			(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	15 mL	HPEGDNTA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L4_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00009	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00011	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNSP_00005	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGPETNSP_00001	50 uL	Nitroglycerin	50 ng/mL
							PETN	50 ng/mL
.HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPEGDNTA_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00010	11/30/16		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L4_00007	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	50 mL	HP34DNTSU_00013	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00016	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					HPEGDNSP_00007	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGPETNSP_00006	50 uL	Nitroglycerin	50 ng/mL
							PETN	50 ng/mL
					HPPASP_00010	100 uL	2,4,6-Trinitrophenol	100 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	15 mL	HPEGDNTA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
HP8330L5_00008	05/04/13	01/23/13	25% 1%HoAC in ACN 75, Lot 4457-63F	100 mL	HP34DNTSU_00009	200 uL	3,4-Dinitrotoluene	100 ng/mL
					HP8330SP_00013	200 uL	3,5-Dinitroaniline	100 ng/mL
							1,3,5-Trinitrobenzene	100 ng/mL
							1,3-Dinitrobenzene	100 ng/mL
							2,4,6-Trinitrotoluene	100 ng/mL
							2,4-Dinitrotoluene	100 ng/mL
							2,6-Dinitrotoluene	100 ng/mL
							2-Amino-4,6-dinitrotoluene	100 ng/mL
							2-Nitrotoluene	100 ng/mL
							3-Nitrotoluene	100 ng/mL
							4-Amino-2,6-dinitrotoluene	100 ng/mL
							4-Nitrotoluene	100 ng/mL
							HMX	100 ng/mL
							Nitrobenzene	100 ng/mL
							RDX	100 ng/mL
							Tetryl	100 ng/mL
					HPEGDNSP_00005	200 uL	Ethylene glycol dinitrate	100 ng/mL
					HPNGPETNSP_00002	200 uL	Nitroglycerin	100 ng/mL
							PETN	100 ng/mL
.HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00013	07/23/13	01/23/13	Acetonitrile, Lot 732	50 mL	HP35DNATA_00012	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00011	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00012	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00011	04/30/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPEGDNTA_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00002	07/22/13	01/22/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00014	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00012	1.25 mL	PETN	50 ug/mL
..HPNGTA_00014	07/22/13		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00012	07/22/13		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L5_00016	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	200 mL	HP34DNTSU_00013	400 uL	3,4-Dinitrotoluene	100 ng/mL
					HP8330SP_00016	400 uL	3,5-Dinitroaniline	100 ng/mL
							1,3,5-Trinitrobenzene	100 ng/mL
							1,3-Dinitrobenzene	100 ng/mL
							2,4,6-Trinitrotoluene	100 ng/mL
							2,4-Dinitrotoluene	100 ng/mL
							2,6-Dinitrotoluene	100 ng/mL
							2-Amino-4,6-dinitrotoluene	100 ng/mL
							2-Nitrotoluene	100 ng/mL
							3-Nitrotoluene	100 ng/mL
							4-Amino-2,6-dinitrotoluene	100 ng/mL
							4-Nitrotoluene	100 ng/mL
							HMX	100 ng/mL
							Nitrobenzene	100 ng/mL
							RDX	100 ng/mL
							Tetryl	100 ng/mL
					HPEGDNSP_00007	400 uL	Ethylene glycol dinitrate	100 ng/mL
					HPNGPETNSP_00006	400 uL	Nitroglycerin	100 ng/mL
							PETN	100 ng/mL
					HPPASP_00010	1000 uL	2,4,6-Trinitrophenol	250 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	15 mL	HPEGDNTA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L6_00008	05/04/13	01/23/13	25% 0.1%HoAC in ACN, Lot 4457-63F	100 mL	HP34DNTSU_00009	400 uL	3,4-Dinitrotoluene	200 ng/mL
					HP8330SP_00013	400 uL	3,5-Dinitroaniline	200 ng/mL
							1,3,5-Trinitrobenzene	200 ng/mL
							1,3-Dinitrobenzene	200 ng/mL
							2,4,6-Trinitrotoluene	200 ng/mL
							2,4-Dinitrotoluene	200 ng/mL
							2,6-Dinitrotoluene	200 ng/mL
							2-Amino-4,6-dinitrotoluene	200 ng/mL
							2-Nitrotoluene	200 ng/mL
							3-Nitrotoluene	200 ng/mL
							4-Amino-2,6-dinitrotoluene	200 ng/mL
							4-Nitrotoluene	200 ng/mL
							HMX	200 ng/mL
							Nitrobenzene	200 ng/mL
							RDX	200 ng/mL
							Tetryl	200 ng/mL
					HPEGDNSP_00005	400 uL	Ethylene glycol dinitrate	200 ng/mL

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					HPNGPETNSP_00002	400 uL	Nitroglycerin	200 ng/mL
							PETN	200 ng/mL
.HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00013	07/23/13	01/23/13	Acetonitrile, Lot 732	50 mL	HP35DNATA_00012	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00011	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00012	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00011	04/30/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPEGDNTA_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00002	07/22/13	01/22/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00014	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00012	1.25 mL	PETN	50 ug/mL
..HPNGTA_00014	07/22/13		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00012	07/22/13		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L6_00011	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	100 mL	HP34DNTSU_00013	400 uL	3,4-Dinitrotoluene	200 ng/mL
					HP8330SP_00016	400 uL	3,5-Dinitroaniline	200 ng/mL
							1,3,5-Trinitrobenzene	200 ng/mL
							1,3-Dinitrobenzene	200 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trinitrotoluene	200 ng/mL
							2,4-Dinitrotoluene	200 ng/mL
							2,6-Dinitrotoluene	200 ng/mL
							2-Amino-4,6-dinitrotoluene	200 ng/mL
							2-Nitrotoluene	200 ng/mL
							3-Nitrotoluene	200 ng/mL
							4-Amino-2,6-dinitrotoluene	200 ng/mL
							4-Nitrotoluene	200 ng/mL
							HMX	200 ng/mL
							Nitrobenzene	200 ng/mL
							RDX	200 ng/mL
							Tetryl	200 ng/mL
					HPEGDNSP_00007	400 uL	Ethylene glycol dinitrate	200 ng/mL
					HPNGPETNSP_00006	400 uL	Nitroglycerin	200 ng/mL
							PETN	200 ng/mL
					HPPASP_00010	1000 uL	2,4,6-Trinitrophenol	500 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetryl	1000 ug/mL
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	15 mL	HPEGDNTA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L7_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	25 mL	HP34DNTSU_00009	150 uL	3,4-Dinitrotoluene	300 ng/mL
					HP8330SP_00011	250 uL	3,5-Dinitroaniline	500 ng/mL
							1,3,5-Trinitrobenzene	500 ng/mL
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							2-Nitrotoluene	500 ng/mL
							3-Nitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							4-Nitrotoluene	500 ng/mL
							HMX	500 ng/mL
							Nitrobenzene	500 ng/mL
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPEGDNSP_00005	250 uL	Ethylene glycol dinitrate	500 ng/mL
					HPNGPETNSP_00001	250 uL	Nitroglycerin	500 ng/mL
							PETN	500 ng/mL
.HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPEGDNTA_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00010	11/30/16		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L7_00006	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	25 mL	HP34DNTSU_00013	150 uL	3,4-Dinitrotoluene	300 ng/mL
					HP8330SP_00016	250 uL	3,5-Dinitroaniline	500 ng/mL
							1,3,5-Trinitrobenzene	500 ng/mL
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							2-Nitrotoluene	500 ng/mL
							3-Nitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							4-Nitrotoluene	500 ng/mL
							HMX	500 ng/mL
							Nitrobenzene	500 ng/mL
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPEGDNSP_00007	250 uL	Ethylene glycol dinitrate	500 ng/mL
					HPNGPETNSP_00006	250 uL	Nitroglycerin	500 ng/mL
							PETN	500 ng/mL
					HPPASP_00010	500 uL	2,4,6-Trinitrophenol	1000 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	15 mL	HPEGDNTA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L8_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	25 mL	HP34DNTSU_00009	250 uL	3,4-Dinitrotoluene	500 ng/mL
					HP8330SP_00011	500 uL	3,5-Dinitroaniline	1000 ng/mL
							1,3,5-Trinitrobenzene	1000 ng/mL
							1,3-Dinitrobenzene	1000 ng/mL
							2,4,6-Trinitrotoluene	1000 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	1000 ng/mL
							2,6-Dinitrotoluene	1000 ng/mL
							2-Amino-4,6-dinitrotoluene	1000 ng/mL
							2-Nitrotoluene	1000 ng/mL
							3-Nitrotoluene	1000 ng/mL
							4-Amino-2,6-dinitrotoluene	1000 ng/mL
							4-Nitrotoluene	1000 ng/mL
							HMX	1000 ng/mL
							Nitrobenzene	1000 ng/mL
							RDX	1000 ng/mL
							Tetryl	1000 ng/mL
					HPEGDNSP_00005	500 uL	Ethylene glycol dinitrate	1000 ng/mL
					HPNGPETNSP_00001	500 uL	Nitroglycerin	1000 ng/mL
							PETN	1000 ng/mL
.HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.HPEGDNSP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPEGDNTA_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00010	11/30/16		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L8_00006	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	25 mL	HP34DNTSU_00013	250 uL	3,4-Dinitrotoluene	500 ng/mL
					HP8330SP_00016	500 uL	3,5-Dinitroaniline	1000 ng/mL
							1,3,5-Trinitrobenzene	1000 ng/mL
							1,3-Dinitrobenzene	1000 ng/mL
							2,4,6-Trinitrotoluene	1000 ng/mL
							2,4-Dinitrotoluene	1000 ng/mL
							2,6-Dinitrotoluene	1000 ng/mL
							2-Amino-4,6-dinitrotoluene	1000 ng/mL
							2-Nitrotoluene	1000 ng/mL
							3-Nitrotoluene	1000 ng/mL
							4-Amino-2,6-dinitrotoluene	1000 ng/mL
							4-Nitrotoluene	1000 ng/mL
							HMX	1000 ng/mL
							Nitrobenzene	1000 ng/mL
							RDX	1000 ng/mL
							Tetryl	1000 ng/mL
					HPEGDNSP_00007	500 uL	Ethylene glycol dinitrate	1000 ng/mL
					HPNGPETNSP_00006	500 uL	Nitroglycerin	1000 ng/mL
							PETN	1000 ng/mL
					HPPASP_00010	1000 uL	2,4,6-Trinitrophenol	2000 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	15 mL	HPEGDNTA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330SP_00013	07/23/13	01/23/13	Acetonitrile, Lot 732	50 mL	HP35DNATA_00012	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00011	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
.HP35DNATA_00012	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
.HP8330TA_00011	04/30/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
HPNCSP_00008	09/13/13	03/14/13	Acetone, Lot Acetone_00009	200 mL	HPNCTA_00004	0.1012 g	Nitrocellulose	506 ug/mL
.HPNCTA_00004	01/01/15		Theater Affects, Lot 031912		(Purchased Reagent)		Nitrocellulose	1 g/g
HPNGPETNSP_00004	09/14/13	03/14/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00015	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00013	1.25 mL	PETN	50 ug/mL
.HPNGTA_00015	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNTA_00013	11/01/16		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HPNQ2xMDL_00004	10/05/13	04/05/13	DI Water, Lot m04032013	4 mL	HPNQL2_00004	1 mL	Nitroguanidine	5 ng/mL
.HPNQL2_00004	10/05/13	04/05/13	Water, Lot M10152012	50 mL	HPNQSP_00008	20 uL	Nitroguanidine	20 ng/mL
..HPNQSP_00008	10/05/13	04/05/13	Methanol, Lot K18E18	25 mL	HPNQTA_00003	1.25 mL	Nitroguanidine	50 ug/mL
...HPNQTA_00003	09/30/15		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQIC_00003	06/26/13	12/26/12	Water, Lot NA	50 mL	HPNQTA_00010	100 uL	Nitroguanidine	200 ng/mL
.HPNQTA_00010	06/26/13		AccuStandard, Inc, Lot 211111014		(Purchased Reagent)		Nitroguanidine	100 ug/mL
HPNQL2_00004	10/05/13	04/05/13	Water, Lot M10152012	50 mL	HPNQSP_00008	20 uL	Nitroguanidine	20 ng/mL
.HPNQSP_00008	10/05/13	04/05/13	Methanol, Lot K18E18	25 mL	HPNQTA_00003	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00003	09/30/15		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL3_00004	10/05/13	04/05/13	Water, Lot M04032103	50 mL	HPNQSP_00008	50 uL	Nitroguanidine	50 ng/mL
.HPNQSP_00008	10/05/13	04/05/13	Methanol, Lot K18E18	25 mL	HPNQTA_00003	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00003	09/30/15		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL4_00004	10/05/13	04/05/13	Water, Lot M04032103	50 mL	HPNQSP_00008	100 uL	Nitroguanidine	100 ng/mL
.HPNQSP_00008	10/05/13	04/05/13	Methanol, Lot K18E18	25 mL	HPNQTA_00003	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00003	09/30/15		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL5_00004	10/05/13	04/05/13	Water, Lot M04032103	50 mL	HPNQSP_00008	200 uL	Nitroguanidine	200 ng/mL
.HPNQSP_00008	10/05/13	04/05/13	Methanol, Lot K18E18	25 mL	HPNQTA_00003	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00003	09/30/15		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL6_00004	10/05/13	04/05/13	Water, Lot M04032103	25 mL	HPNQSP_00008	250 uL	Nitroguanidine	500 ng/mL
.HPNQSP_00008	10/05/13	04/05/13	Methanol, Lot K18E18	25 mL	HPNQTA_00003	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00003	09/30/15		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL7_00004	10/05/13	04/05/13	Water, Lot M04032103	25 mL	HPNQSP_00008	500 uL	Nitroguanidine	1000 ng/mL
.HPNQSP_00008	10/05/13	04/05/13	Methanol, Lot K18E18	25 mL	HPNQTA_00003	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00003	09/30/15		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
.HPNQTA_00002	04/15/13		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
WC-353.2-ICV_00022	05/23/13	04/23/13	DI Water, Lot xxxxxxx	100 mL	WC-N02-1000_00016	0.05 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	8.403 mg/L as N

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22663-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					WC-N03-1000_00006	0.05 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	8.403 mg/L as N
.WC-N02-1000_00016	08/14/13	CPI International, Lot 12B200			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8403 mg/L as N
.WC-N03-1000_00006	08/14/13	RICCA, Lot 1204143			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8403 mg/L as N
WC-353.2-L1_00022	05/23/13	04/23/13	DI Water, Lot xxxx	100 mL	WC-353.2-INT_00021	0.05 mL	Nitrocellulose	0.42015 mg/L as N
.WC-353.2-INT_00021	05/23/13	04/23/13	DI Water, Lot xxxxxxx	10 mL	WC-N02-1000_00017	0.5 mL	Nitrocellulose	840.3 mg/L as N
					WC-N03-1000_00009	0.5 mL	Nitrocellulose	840.3 mg/L as N
..WC-N02-1000_00017	11/09/13	ERA, Lot 210912			(Purchased Reagent)		Nitrocellulose	8403 mg/L as N
..WC-N03-1000_00009	04/23/14	ERA, Lot 480412			(Purchased Reagent)		Nitrocellulose	8403 mg/L as N
WC-353.2-L4_00016	05/23/13	04/23/13	DI Water, Lot xxxx	100 mL	WC-353.2-INT_00021	1 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	8.403 mg/L as N
.WC-353.2-INT_00021	05/23/13	04/23/13	DI Water, Lot xxxxxxx	10 mL	WC-N02-1000_00017	0.5 mL	Nitrate Nitrite as N	100 mg/L as N
							Nitrocellulose	840.3 mg/L as N
					WC-N03-1000_00009	0.5 mL	Nitrate Nitrite as N	100 mg/L as N
							Nitrocellulose	840.3 mg/L as N
..WC-N02-1000_00017	11/09/13	ERA, Lot 210912			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8403 mg/L as N
..WC-N03-1000_00009	04/23/14	ERA, Lot 480412			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8403 mg/L as N

Certificate of Analysis

Rec. 3-18-13 DE

Product Description:

Name:	Mercury	Source Material:	Mercury Metal
Part Number:	**10 33-1**	Material Purity:	99.9998%
Lot Number:	**1306402**	Matrix:	5% (v/v) HNO_3

Certified Value: 10.0 µg/mL ± 0.1 µg/mL

The Certified value is based on gravimetric and volumetric preparation, and confirmed against SRM 3133 (lot number 061204) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Preparation Information:

The standard solution is prepared using high purity materials and assayed by analytical methods for conformity prior to use. This standard was prepared using the methods developed at NIST for SRM Spectrometric Standard Solutions under appropriate laboratory conditions.

Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 mega ohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
   The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
   The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.
b. **Volumetric Device**
   The calibration of volumetric vessels is checked annually using the NBS 602 method.
c. **Thermometer**
   The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.
d. **Calibration Standards:**
   The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date:	**March 5, 2013**
Shipped Date:	**March 14, 2013**
Expiration Date:	**March 14, 2013**
Certificate Issue Date:	**March 7, 2013**

Quality Information:

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

PLASMA-PURE ™

Standard Certificate

Catalog Number: 610-0000 **Lot Number:** 1287101

Starting Material: 99.9999% purity Hg metal **Diluent/Matrix:** 2% HCl

Preparation Date: Mar-13 **Expiration Date:** Mar-14

Element	Concentration
Hg	1.00 ± 0.02 µg/ml

Received 3/8/2013
ADS

Residual Impurities *	Concentration
None Detected	

* **Impurities were determined via ICP Emission Spectroscopy. Only elements detected are reported.**

Traceability

1. **This standard is certified using wet chemistry assay procedures and/or plasma emission spectroscopy, traceable to primary or well-characterized secondary standards. Traceable to:** NIST SRM 3133, Hg Lot#991304
2. **Analytical balances are routinely calibrated using NIST weight sets.**

Certification

Leeman Labs, Inc. certifies that PLASMA-PURE Standards have been formulated to the concentrations listed above (±0.5% of reported value). This certification does not apply and will be considered null and void if PLASMA-PURE Standards are used in a manner or in an environment not consistent with their intended purpose or are modified by the Customer in any manner.

Limitations

THE ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MECHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Limitation of Liability

In no event shall Leeman Labs, Inc. be liable for any indirect, incidental, special, or consequential damages, including loss of profits, revenue, or used incurred by Customer or any third party, whether in an action in contract or tort. Leeman Labs Inc's liability for damages hereunder shall in no event exceed the amounts paid for the PLASMA-PURE Standards.

QC Analyst:

Date: March 5, 2013

ISO 9001:2000 QUALITY

TELEDYNE *Leeman Labs*
A Teledyne Technologies Company
6 Wentworth Drive . Hudson, NH 03051
Tel: 603.886.8400 Fax: 603.886.9141

Printed on recycled paper

Certificate of Analysis

Aroclor 1016 Solution

Product Number: PP-281 **Page:** 1 of 1

Lot Number: CF-0785 **Lot Issue Date:** 26-Feb-2009 **Expiration Date:** 31-Mar-2017

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1016	012674-11-2	F216A	100.3 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1221 Solution

Product Number: PP-291 **Page:** 1 of 1

Lot Number: CB-1791Z **Lot Issue Date:** 01-Nov-2011 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1221	011104-28-2	AM-24	100.4 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
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Accredited
A2LA
Cert. No. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

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401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Aroclor 1232 Solution

Product Number: PP-301 **Page:** 1 of 1

Lot Number: CG-3213 **Lot Issue Date:** Sep-2010 **Expiration Date:** Oct-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1232	011141-16-5	NT01717	100.3 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

Received 2/28/12

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

A2LA ACCREDITED

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ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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www.ultrasci.com

William J. Leahy
Quality Assurance Manager

Certificate of Analysis

Aroclor 1242 Solution

Product Number: PP-311 **Page:** 1 of 1

Lot Number: CH-2711 **Lot Issue Date:** 25-Aug-2011 **Expiration Date:** 30-Sep-2019

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1242	053469-21-9	NT01020	100.4 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
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ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Aroclor 1248 Solution

Product Number: PP-341 **Page:** 1 of 1

Lot Number: CH-3256 **Lot Issue Date:** 27-Oct-2011 **Expiration Date:** 30-Nov-2019

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1248	012672-29-6	NT01718	100.5 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

RECEIVED 2/28/12

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Aroclor 1254 Solution

Product Number: PP-351 **Page:** 1 of 1

Lot Number: CH-3706 **Lot Issue Date:** 28-Nov-2011 **Expiration Date:** 31-Dec-2019

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1254	011097-69-1	RM00922	100.3 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

RECEIVED 2/28/12

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005
Accredited
A2LA
Cert. No. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1260 Solution

Product Number: PP-361 **Page:** 1 of 1

Lot Number: CG-3829 **Lot Issue Date:** 04-Nov-2010 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1260	011096-82-5	NT01023	100.5 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

JVIMS Received 12/13/11

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32039 **Lot No.:** A082781

Description : Aroclor® 1016/1260 Mix

PCB Mix, Aroclor 1016/1260, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] August 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Aroclor 1016	12674-11-2	----%	1,000.0 ug/mL	+/- 5.8275 ug/mL
2	Aroclor 1260	11096-82-5	----%	1,000.0 ug/mL	+/- 5.8275 ug/mL
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

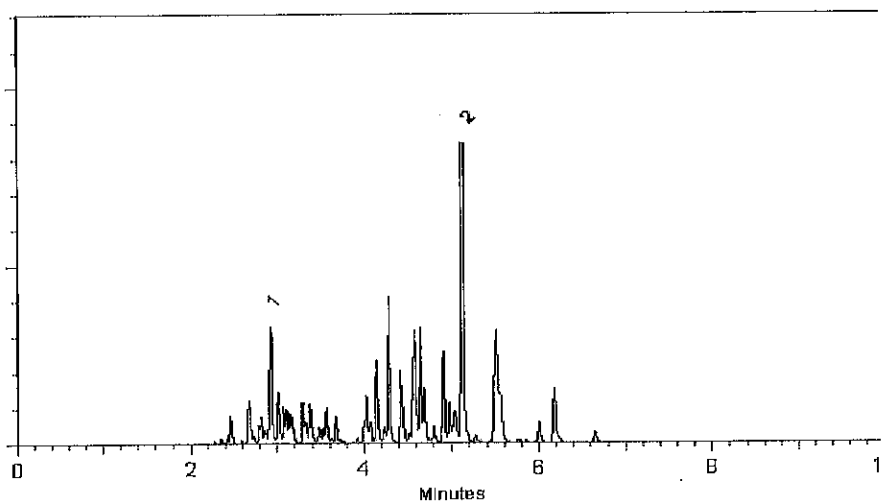
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



RESTEK

Certificate of Analysis

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Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32009 **Lot No.:** A080551

Description : Aroclor® 1242 Standard

PCB Mix, Aroclor 1242, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] April 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	Aroclor 1242	53469-21-9	----%	1,000.0 ug/ml	+/-0.58 %
Solvent:	Hexane	110-54-3	99%		

1 vial
RECEIVED 11/12/12 CSH

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

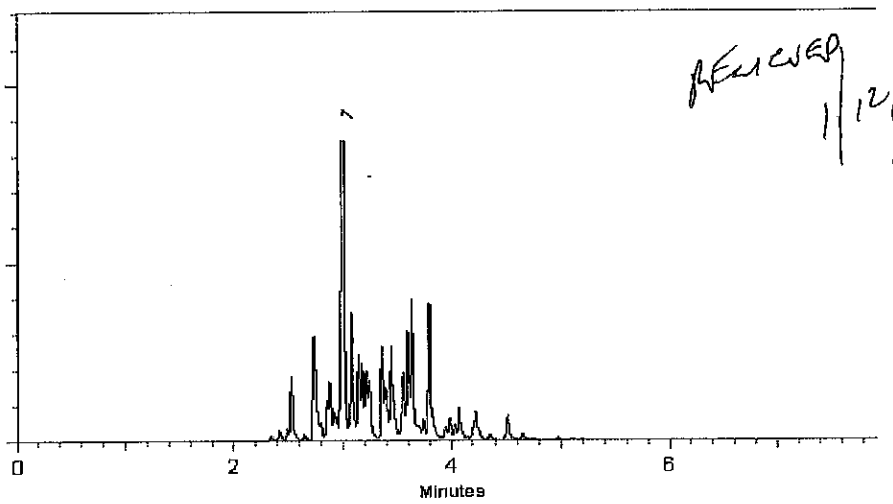
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Received 1/12/12
1 vial
L9F

Catalog No. : 32010 **Lot No.:** A082482

Description : Aroclor® 1248 Standard

PCB Mix, Aroclor 1248, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] July 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Aroclor 1248	12672-29-6	----%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

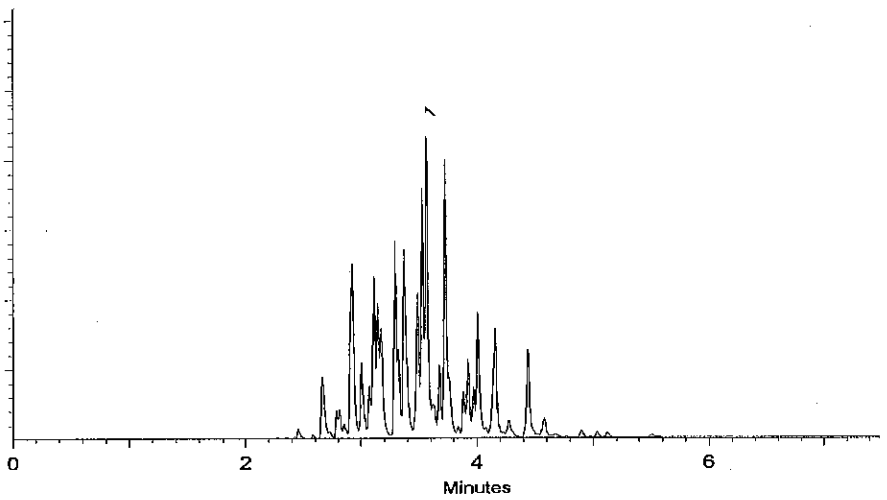
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



RESTEK

Certificate of Analysis

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Bellefonte, PA 16823-8812
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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32007 **Lot No.:** A074947

Description : Aroclor® 1221 Standard

Expiration Date[1]**:** June 2017 **Storage:** Room Temperature

Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	----%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

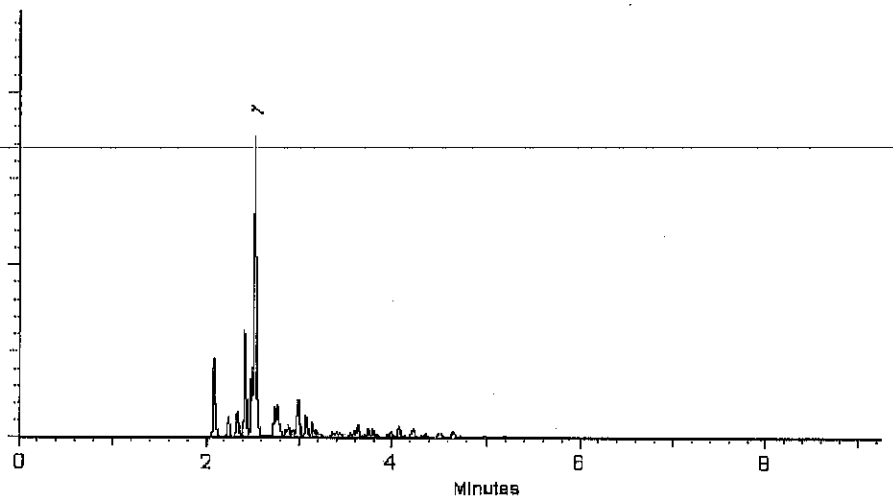
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 24-May-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials
E
7/2/10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING



Reagent ID: VGINTSTD_00001

		Expiration Date:	10/08/2011
Description:	INTERNAL STANDARD	Laboratory:	TestAmerica North Canton
No. of Bottles:	2	Prepared By:	Bolgrin, Deborah
Storage Location:	F022	Solvent:	MEOH
Reagent Volume:	50.000 mL	Solvent Lot:	50349
Creation Date:	04/08/2011		
Container(s):	12414, 12415		
Comment:			

Reagent Analyte Information

Analyte	Source ID	Source Expiration Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Fluorobenzene	VGISSTOCK_00001	12/31/2012	2000.000	ug/mL	50.00000	ug/mL

Source Reagents

Reagent	Description	Type	Expiration	Vendor	Vendor Lot #	Vendor Cat Lot #	Volume Used	Volume Units
VGISSTOCK_00001	IS FLOROBENZENE	ASTD	12/31/12	ULTRA SCIENTIFIC	CE-4128	STS-160	1.2500	mL

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32011 **Lot No.:** A076437

Description : Aroclor® 1254 Standard

Expiration Date[1]**:** September 2017 **Storage:** Room Temperature

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	----%	1,001.600 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

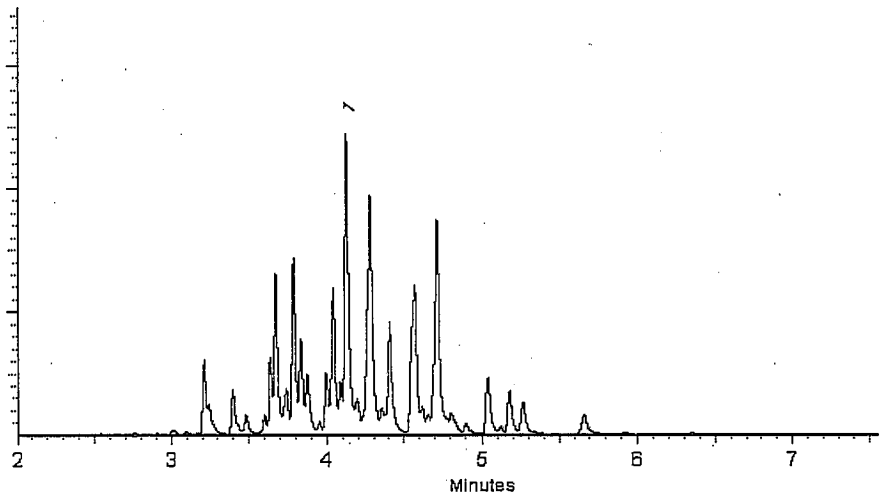
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 23-Aug-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials 3/23/11

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

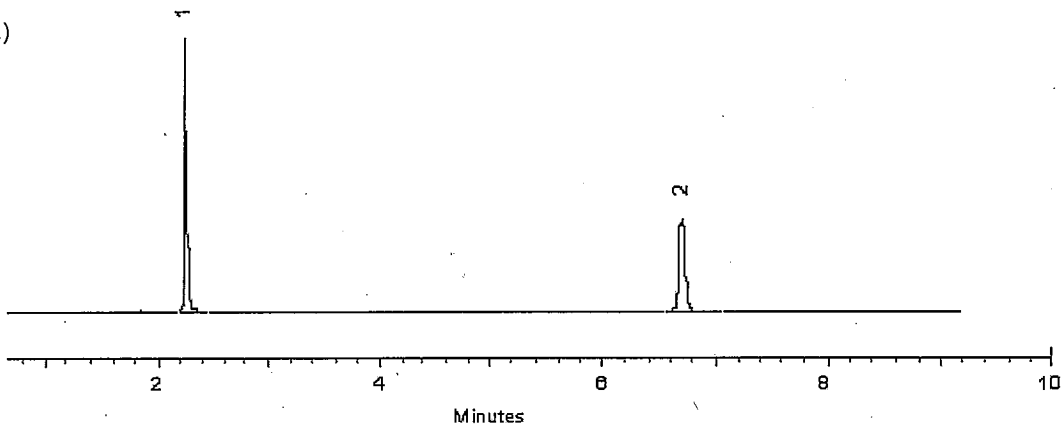
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32000 **Lot No.:** A057014
Description : Pesticide Surrogate Mix
Expiration Date[1]**:** June 2015 **Storage:** Refrigerate
Handling: Warm & Sonicate prior to use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	98%	200.018 ug/ml	+/-0.03 %
2	Decachlorobiphenyl	2051-24-3	99%	200.000 ug/ml	+/-0.03 %
Solvent:	Acetone	67-64-1	99%		

LEC 7/13/08
LOT

Column: 30m x .32mm x .25um
Rtx-CLPesticides II
Carrier Gas: helium @ 40cm/sec.
Temp. Program: 200°C to 300°C
@ 15°C/min. (hold 12 min.)
Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



Sara Eyster QA Analyst

Balance 1128342313

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addition to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NISTtraceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED
Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM80397

Tech Tip:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Rcvd 12-8-11 Recd 3 vials

RESTEK

Certificate of Analysis

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

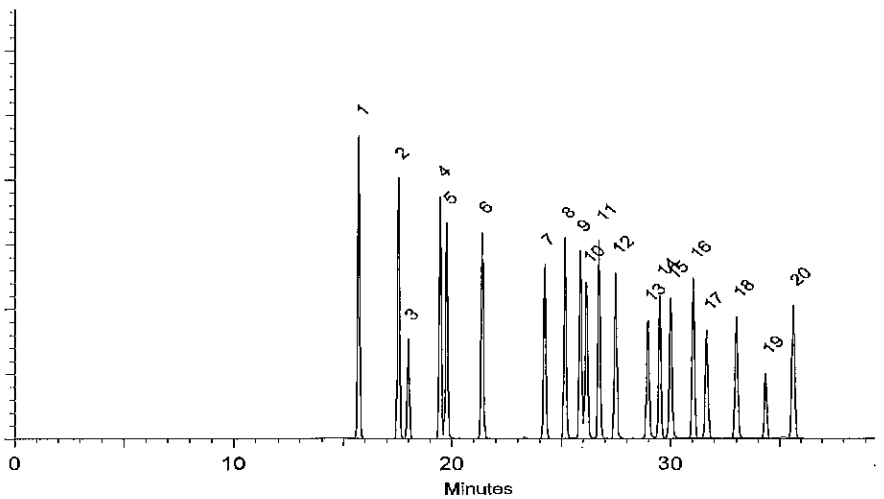
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Organochlorine Pesticides Mixture

Product Number: PPM-808C **Page:** 1 of 2

Lot Number: CJ-3745 **Lot Issue Date:** 18-Oct-2012 **Expiration Date:** 30-Nov-2014

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
aldrin	000309-00-2	RM00635	1005 ± 5 µg/mL
alpha-BHC	000319-84-6	RM02725	1005 ± 5 µg/mL
beta-BHC	000319-85-7	RM02724	1004 ± 5 µg/mL
delta-BHC	000319-86-8	RM02723	1002 ± 5 µg/mL
gamma-BHC	000058-89-9	RM02694	1003 ± 5 µg/mL
alpha-chlordane	005103-71-9	RM02742	1002 ± 5 µg/mL
gamma-chlordane	005103-74-2	RM02726	1005 ± 5 µg/mL
4,4'-DDD	000072-54-8	RM00615	1003 ± 5 µg/mL
4,4'-DDE	000072-55-9	RM02892	1004 ± 5 µg/mL
4,4'-DDT	000050-29-3	RM02881	1004 ± 5 µg/mL
dieldrin	000060-57-1	RM03957	1004 ± 5 µg/mL
endosulfan I	000959-98-8	RM00834	1004 ± 5 µg/mL
endosulfan II	033213-65-9	RM02905	1004 ± 5 µg/mL
endosulfan sulfate	001031-07-8	NT00714	1004 ± 5 µg/mL
endrin	000072-20-8	RM00557	1003 ± 5 µg/mL
endrin aldehyde	007421-93-4	RM04131	1004 ± 5 µg/mL
endrin ketone	053494-70-5	RM00212	1005 ± 5 µg/mL
heptachlor	000076-44-8	RM03111	1004 ± 5 µg/mL
heptachlor epoxide - isomer B	001024-57-3	RM05373	1002 ± 5 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

A2LA ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

Recd 12/19/12

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Organochlorine Pesticides Mixture

Product Number: PPM-808C **Page:** 2 of 2

Lot Number: CJ-3745 **Lot Issue Date:** 18-Oct-2012 **Expiration Date:** 30-Nov-2014

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

methoxychlor	000072-43-5	RM04555	1005 ± 5 µg/mL

Matrix: hexane/toluene (1:1)

Storage: Store at Room Temperature (18-25°C). Do Not Refrigerate.

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1069

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

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Certificate #3222.01

ACCREDITED
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Rec'd 7-24-12 2 vials

Catalog No. : 32074 **Lot No.:** A085642

Description : Pesticide Performance Eval Mix w/Surrogate

Performance Evaluation Std. 3/90 SOW w/surrogates 1-25ug/mL, Hexane, 1mL/ampul

Container Size : **Pkg Amt:**

Expiration Date : December 2015 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	2.0 ug/mL	+/- 0.0332	ug/mL	Gravimetric
	CAS # 877-09-8		+/- 0.0770	ug/mL	Unstressed
	Purity 98%		+/- 0.1256	ug/mL	Stressed
2	alpha-BHC	1.0 ug/mL	+/- 0.0166	ug/mL	Gravimetric
	CAS # 319-84-6		+/- 0.0385	ug/mL	Unstressed
	Purity 99%		+/- 0.0628	ug/mL	Stressed
3	gamma-BHC (Lindane)	1.0 ug/mL	+/- 0.0166	ug/mL	Gravimetric
	CAS # 58-89-9		+/- 0.0385	ug/mL	Unstressed
	Purity 99%		+/- 0.0628	ug/mL	Stressed
4	beta-BHC	1.0 ug/mL	+/- 0.0166	ug/mL	Gravimetric
	CAS # 319-85-7		+/- 0.0385	ug/mL	Unstressed
	Purity 98%		+/- 0.0628	ug/mL	Stressed
5	Endrin	5.0 ug/mL	+/- 0.0808	ug/mL	Gravimetric
	CAS # 72-20-8		+/- 0.1917	ug/mL	Unstressed
	Purity 99%		+/- 0.3135	ug/mL	Stressed
6	4,4'-DDT	10.0 ug/mL	+/- 0.1615	ug/mL	Gravimetric
	CAS # 50-29-3		+/- 0.3834	ug/mL	Unstressed
	Purity 99%		+/- 0.6269	ug/mL	Stressed
7	Methoxychlor	25.0 ug/mL	+/- 0.4032	ug/mL	Gravimetric
	CAS # 72-43-5		+/- 0.9583	ug/mL	Unstressed
	Purity 99%		+/- 1.5672	ug/mL	Stressed
8	Decachlorobiphenyl	2.0 ug/mL	+/- 0.0332	ug/mL	Gravimetric
	CAS # 2051-24-3		+/- 0.0771	ug/mL	Unstressed
	Purity 99%		+/- 0.1256	ug/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Rec'd 12-8-11 3 vials

Catalog No. : 32000 **Lot No.:** A084532

Description : Pesticide Surrogate Mix

Pesticide Mix, EPA 8080, 8081, Surrogate Std 200µg/ml, Acetone, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] April 2019 **Storage:** 10°C or colder

Handling: This product contains PCBs.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	98%	200.0 ug/mL	+/- 1.1656 ug/mL
2	Decachlorobiphenyl	2051-24-3	99%	200.0 ug/mL	+/- 1.1655 ug/mL
Solvent:	Acetone	67-64-1	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

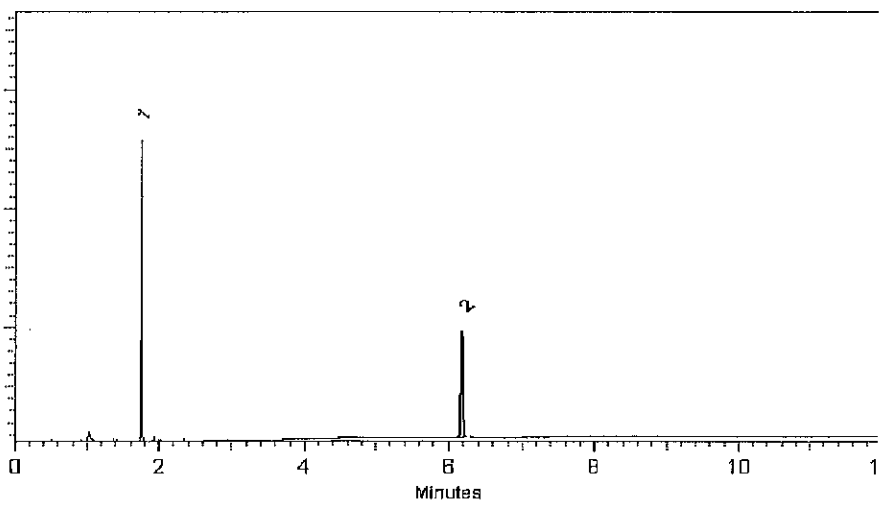
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Certificate of Analysis

DESCRIPTION: Toxaphene

Rec'd 1-14-13 1vial

CATALOG NO.: 48103 MFG DATE: Dec-2012

LOT NO.: LB96954 EXPIRATION DATE: Dec-2015

SOLVENT: ISOOCTANE

ANALYTE	CAS NUMBER	PERCENT PURITY(1)	WEIGHT(2) CONCENTRATION	ANALYTICAL(3) CONCENTRATION	STD DEV	SUPELCO LOT NO
TOXAPHENE	8001-35-2	N/A (a)	1000	1010	+/- 18.6	LA47407

(1) Determined by capillary GC-FID, unless otherwise noted.
a) Complex mix - Can't Determine

(2) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(3) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Duane Funk

Duane Funk
Quality Manager

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

SMIS R_00002

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567684 **Lot No.:** A093676

Description : 8270 Internal Standard

8270 Internal Standard 2,000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : February 2018 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dichlorobenzene-d4	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 3855-82-1		+/- 92.7158	µg/mL	Unstressed
	Purity 99%		+/- 101.3766	µg/mL	Stressed
2	Naphthalene-d8	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 1146-65-2		+/- 92.7158	µg/mL	Unstressed
	Purity 99%		+/- 101.3766	µg/mL	Stressed
3	Acenaphthene-d10	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 15067-26-2		+/- 92.7163	µg/mL	Unstressed
	Purity 97%		+/- 101.3771	µg/mL	Stressed
4	Phenanthrene-d10	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 1517-22-2		+/- 92.7158	µg/mL	Unstressed
	Purity 99%		+/- 101.3766	µg/mL	Stressed
5	Chrysene-d12	2,000.0 µg/mL	+/- 11.6281	µg/mL	Gravimetric
	CAS # 1719-03-5		+/- 92.7150	µg/mL	Unstressed
	Purity 98%		+/- 101.3758	µg/mL	Stressed
6	Perylene-d12	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 1520-96-3		+/- 92.7158	µg/mL	Unstressed
	Purity 99%		+/- 101.3766	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

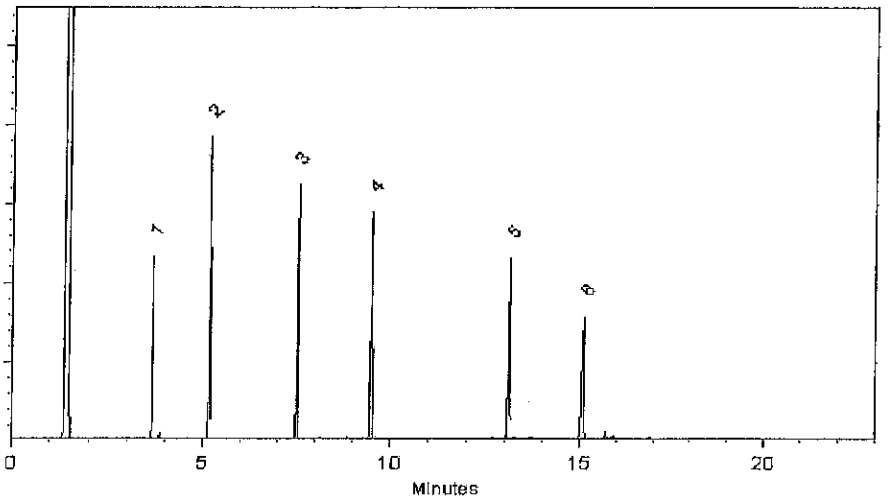
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jodi E. Breon - QA Analyst

Date Passed: 27-Feb-2013 Balance: 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

SMLIST1 51 00002

RESTEK

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Certificate #3232.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567672 **Lot No.:** A093709

Description : 8270 List 1 / Std #1 MegaMix

8270 List 1 / Std #1 MegaMix 500-2000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 2014 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dioxane **CAS #** 123-91-1 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
2	Pyridine **CAS #** 110-86-1 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
3	N-Nitrosodimethylamine **CAS #** 62-75-9 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
4	Aniline **CAS #** 62-53-3 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
5	Phenol **CAS #** 108-95-2 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
6	Bis(2-chloroethyl)ether **CAS #** 111-44-4 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
7	2-Chlorophenol **CAS #** 95-57-8 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
8	1,3-Dichlorobenzene **CAS #** 541-73-1 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed
9	1,4-Dichlorobenzene **CAS #** 106-46-7 **Purity** 99%	1,000.0 µg/mL	+/- 5.8141 µg/mL +/- 8.7957 µg/mL +/- 17.3886 µg/mL	Gravimetric Unstressed Stressed

10	1,2-Dichlorobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 95-50-1			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
11	Benzyl alcohol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 100-51-6			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
12	Bis(2-chloroisopropyl)ether	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 108-60-1 2,2'-oxybis(1-chloropropane)			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
13	2-Methylphenol (o-cresol)	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 95-48-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
14	Acetophenone	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 98-86-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
15	Hexachloroethane	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 67-72-1			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
16	N-Nitroso-di-n-propylamine	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 621-64-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
17	4-Methylphenol (p-cresol)	500.0	µg/mL	+/-	2.9070	µg/mL	Gravimetric
	CAS # 106-44-5			+/-	4.3978	µg/mL	Unstressed
	Purity 99%			+/-	8.6943	µg/mL	Stressed
18	3-Methylphenol (m-cresol)	500.0	µg/mL	+/-	2.9070	µg/mL	Gravimetric
	CAS # 108-39-4			+/-	4.3978	µg/mL	Unstressed
	Purity 99%			+/-	8.6943	µg/mL	Stressed
19	n-Decane (C10)	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 124-18-5			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
20	n-Octadecane (C18)	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 593-45-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
21	Nitrobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 98-95-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
22	Isophorone	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 78-59-1			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
23	2-Nitrophenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 88-75-5			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
24	2,4-Dimethylphenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 105-67-9			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
25	Bis(2-chloroethoxy)methane	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 111-91-1			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
26	2,4-Dichlorophenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 120-83-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
27	1,2,4-Trichlorobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 120-82-1			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
28	Naphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 91-20-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed

29	4-Chloroaniline	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 106-47-8			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
30	Hexachlorobutadiene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 87-68-3			+/-	8.7956	µg/mL	Unstressed
	Purity 97%			+/-	17.3886	µg/mL	Stressed
31	2-Methylnaphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 91-57-6			+/-	8.7957	µg/mL	Unstressed
	Purity 96%			+/-	17.3887	µg/mL	Stressed
32	4-Chloro-3-methylphenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 59-50-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
33	1-Methylnaphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 90-12-0			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
34	1,2,4,5-Tetrachlorobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 95-94-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
35	Hexachlorocyclopentadiene	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 77-47-4			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
36	2,4,6-Trichlorophenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 88-06-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
37	2,4,5-Trichlorophenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 95-95-4			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
38	2-Chloronaphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 91-58-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
39	Biphenyl	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 92-52-4			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
40	2-Nitroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 88-74-4			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
41	Acenaphthylene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 208-96-8			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
42	1,3-Dinitrobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 99-65-0			+/-	8.7956	µg/mL	Unstressed
	Purity 97%			+/-	17.3886	µg/mL	Stressed
43	Dimethylphthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 131-11-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
44	2,6-Dinitrotoluene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 606-20-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
45	Acenaphthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 83-32-9			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
46	3-Nitroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 99-09-2			+/-	8.7956	µg/mL	Unstressed
	Purity 97%			+/-	17.3886	µg/mL	Stressed
47	2,4-Dinitrophenol	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 51-28-5			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed

48	Dibenzofuran	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 132-64-9			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
49	2,4-Dinitrotoluene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 121-14-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
50	4-Nitrophenol	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 100-02-7			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed
51	2,3,4,6-Tetrachlorophenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 58-90-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
52	Fluorene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 86-73-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
53	4-Chlorophenyl phenyl ether	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 7005-72-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
54	Diethylphthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 84-66-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
55	4-Nitroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 100-01-6			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
56	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 534-52-1			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed
57	Azobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 103-33-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
58	4-Bromophenyl phenyl ether	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 101-55-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
59	Hexachlorobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 118-74-1			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
60	Pentachlorophenol	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 87-86-5			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed
61	Phenanthrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 85-01-8			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
62	Anthracene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 120-12-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
63	n-Hexadecane (C16)	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 544-76-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
64	Carbazole	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 86-74-8			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
65	Di-n-butylphthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 84-74-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
66	Fluoranthene	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 206-44-0			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed

67	Pyrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 129-00-0			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
68	Benzyl butyl phthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 85-68-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
69	Benz(a)anthracene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 56-55-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
70	Chrysene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 218-01-9			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
71	Bis(2-ethylhexyl)phthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 117-81-7			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
72	Di-n-octyl phthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 117-84-0			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
73	Benzo(b)fluoranthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 205-99-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
74	Benzo(k)fluoranthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 207-08-9			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
75	Benzo(a)pyrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 50-32-8			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
76	Indeno(1,2,3-cd)pyrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 193-39-5			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
77	Dibenz(a,h)anthracene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 53-70-3			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
78	Benzo(g,h,i)perylene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 191-24-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

SMLIST1 SZ-00002

RESTEK

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ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567673 **Lot No.:** A093755

Description : 8270 List 1 / Std #2 Amines

8270 List 1 / Std #2 Amines 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 2014 **Storage:** 10°C or colder

Handling: Contains carcinogen

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	epsilon-Caprolactam	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 105-60-2		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed
2	Atrazine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 1912-24-9		+/- 17.5914	µg/mL	Unstressed
	Purity 98%		+/- 34.7774	µg/mL	Stressed
3	Benzidine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 92-87-5		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed
4	3,3'-Dichlorobenzidine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 91-94-1		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

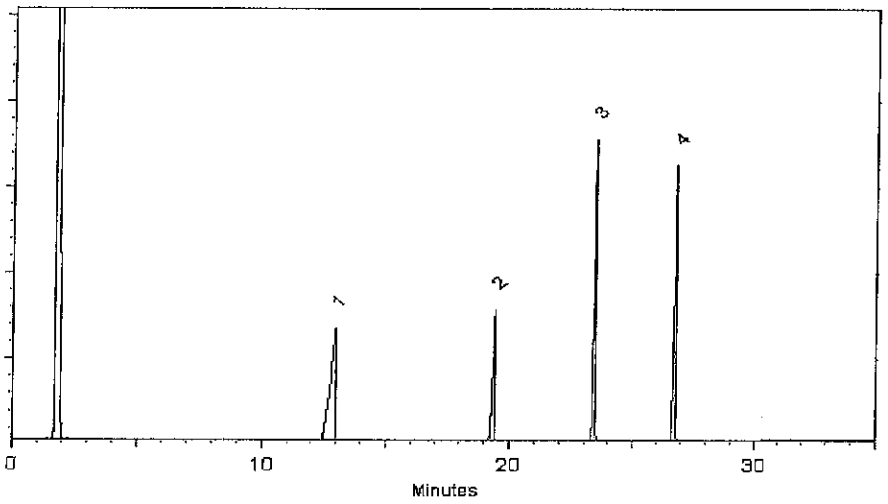
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jodi E. Breon - QA Analyst

Date Passed: 11-Mar-2013 Balance: 1128360905

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567674 **Lot No.:** A093441

Description : 8270 List 1 / Std #3 Benzoic Acid

8270 List 1 / Std #3 Benzoic Acid 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : February 2016 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzoic acid	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 65-85-0		+/- 96.5249	µg/mL	Unstressed
	Purity 99%		+/- 96.6077	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

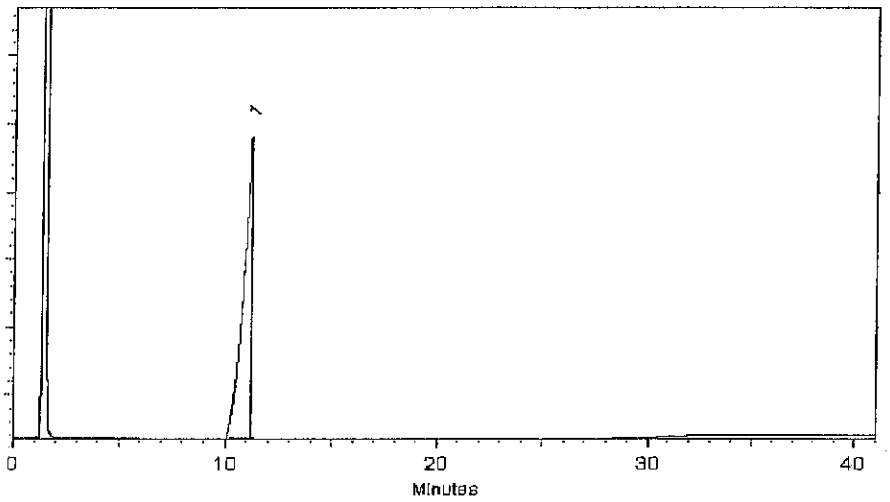
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jodi E. Breon - QA Analyst

Date Passed: 22-Feb-2013 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567675 **Lot No.:** A093730

Description : 8270 List 1 / Std #4 Indene

8270 List 1 / Std #4 Indene 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 2014 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Indene	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 95-13-6		+/- 24.1076	µg/mL	Unstressed
	Purity 99%		+/- 27.2017	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

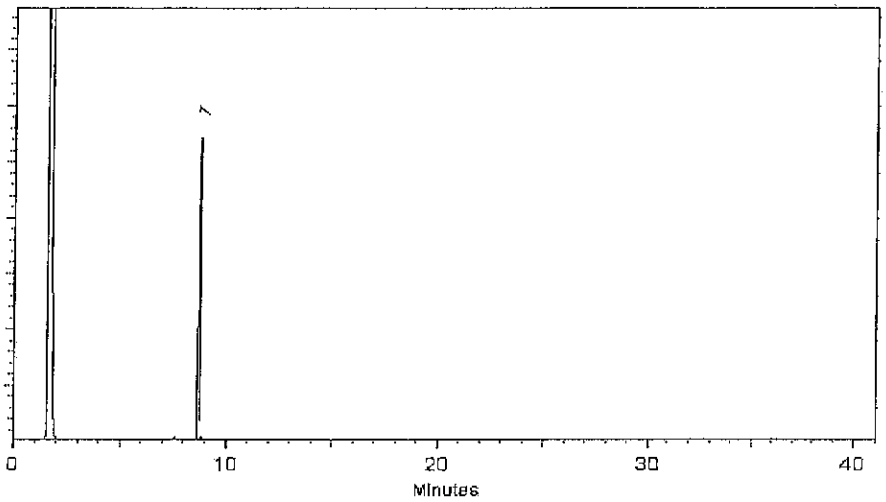
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jodi E. Breon - QA Analyst

Date Passed: 27-Feb-2013 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567676 **Lot No.:** A093442

Description : 8270 List 1 / Std #5 N-Nitrosodiphenylamine

8270 List 1 / Std #5 N-Nitrosodiphenylamine 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : February 2015 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	N-Nitrosodiphenylamine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 86-30-6		+/- 17.5914	µg/mL	Unstressed
	Purity 97%		+/- 34.7774	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

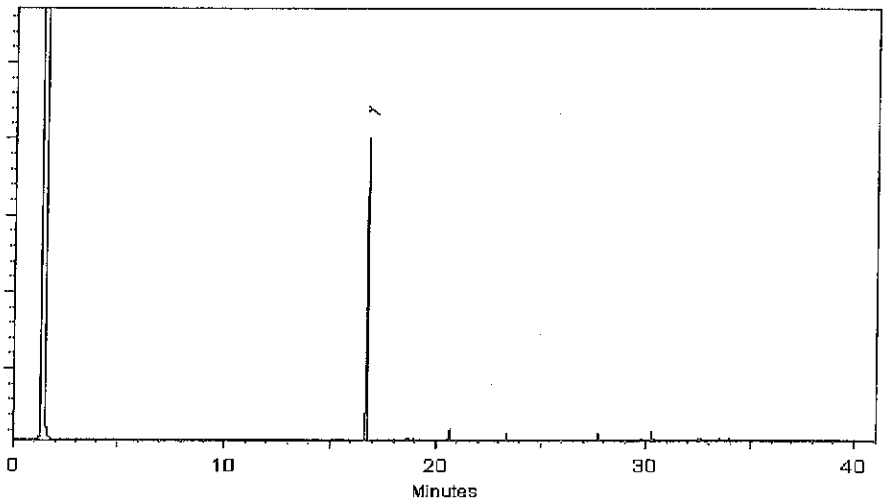
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jennifer L. Pollino - QC Analyst

Date Passed: 25-Feb-2013 Balance: 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567677 **Lot No.:** A093445

Description : 8270 List 1 / Std #6 Benzaldehyde

8270 List 1 / Std #6 Benzaldehyde 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 2014 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzaldehyde	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 100-52-7		+/- 53.7239	µg/mL	Unstressed
	Purity 99%		+/- 66.9795	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

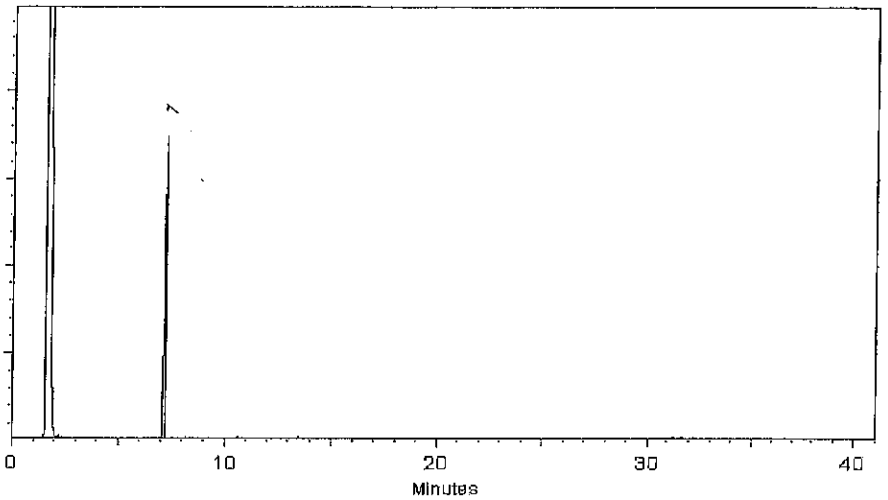
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jennifer L. Pollino - QC Analyst

Date Passed: 25-Feb-2013 Balance: 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567672.sec **Lot No.:** A094002

Description : 8270 List 1 / Std #1 MegaMix

8270 List 1 / Std #1 MegaMix 500-2000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 2014 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 123-91-1.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
2	Pyridine	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 110-86-1.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
3	N-Nitrosodimethylamine	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 62-75-9.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
4	Aniline	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 62-53-3.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
5	Phenol	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 108-95-2.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
6	Bis(2-chloroethyl)ether	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 111-44-4.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
7	2-Chlorophenol	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 95-57-8.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
8	1,3-Dichlorobenzene	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 541-73-1.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed
9	1,4-Dichlorobenzene	1,000.0 µg/mL	+/- 5.8141	µg/mL	Gravimetric
	CAS # 106-46-7.SEC		+/- 8.7957	µg/mL	Unstressed
	Purity 99%		+/- 17.3886	µg/mL	Stressed

10	1,2-Dichlorobenzene **CAS #** 95-50-1.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Benzyl alcohol **CAS #** 100-51-6.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Bis(2-chloroisopropyl)ether **CAS #** 108-60-1.SEC **Purity** 72%	720.0	µg/mL	+/- +/- +/-	4.1861 6.3329 12.5198	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	2-Methylphenol (o-cresol) **CAS #** 95-48-7.SEC **Purity** 98%	1,000.0	µg/mL	+/- +/- +/-	5.8140 8.7956 17.3885	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	Acetophenone **CAS #** 98-86-2.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Hexachloroethane **CAS #** 67-72-1.SEC **Purity** 98%	1,000.0	µg/mL	+/- +/- +/-	5.8140 8.7956 17.3885	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	N-Nitroso-di-n-propylamine **CAS #** 621-64-7.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	4-Methylphenol (p-cresol) **CAS #** 106-44-5.SEC **Purity** 99%	500.0	µg/mL	+/- +/- +/-	2.9138 4.4023 8.6966	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	3-Methylphenol (m-cresol) **CAS #** 108-39-4.SEC **Purity** 99%	500.0	µg/mL	+/- +/- +/-	2.9138 4.4023 8.6966	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	n-Decane (C10) **CAS #** 124-18-5.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	n-Octadecane (C18) **CAS #** 593-45-3.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	Nitrobenzene **CAS #** 98-95-3.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	Isophorone **CAS #** 78-59-1.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	2-Nitrophenol **CAS #** 88-75-5.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
24	2,4-Dimethylphenol **CAS #** 105-67-9.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	Bis(2-chloroethoxy)methane **CAS #** 111-91-1 **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	2,4-Dichlorophenol **CAS #** 120-83-2.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	1,2,4-Trichlorobenzene **CAS #** 120-82-1.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Naphthalene **CAS #** 91-20-3.SEC **Purity** 99%	1,000.0	µg/mL	+/- +/- +/-	5.8141 8.7957 17.3886	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

29	4-Chloroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 106-47-8.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
30	Hexachlorobutadiene	1,000.0	µg/mL	+/-	5.8139	µg/mL	Gravimetric
	CAS # 87-68-3.SEC			+/-	8.7954	µg/mL	Unstressed
	Purity 97%			+/-	17.3881	µg/mL	Stressed
31	2-Methylnaphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 91-57-6.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
32	4-Chloro-3-methylphenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 59-50-7.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
33	1-Methylnaphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 90-12-0.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
34	1,2,4,5-Tetrachlorobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 95-94-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
35	Hexachlorocyclopentadiene	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 77-47-4.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
36	2,4,6-Trichlorophenol	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 88-06-2.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
37	2,4,5-Trichlorophenol	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 95-95-4.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
38	2-Chloronaphthalene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 91-58-7.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
39	Biphenyl	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 92-52-4.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
40	2-Nitroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 88-74-4.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
41	Acenaphthylene	1,000.0	µg/mL	+/-	5.8139	µg/mL	Gravimetric
	CAS # 208-96-8.SEC			+/-	8.7954	µg/mL	Unstressed
	Purity 97%			+/-	17.3881	µg/mL	Stressed
42	1,3-Dinitrobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 99-65-0.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
43	Dimethylphthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 131-11-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
44	2,6-Dinitrotoluene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 606-20-2.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
45	Acenaphthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 83-32-9.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
46	3-Nitroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 99-09-2.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
47	2,4-Dinitrophenol	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 51-28-5.SEC			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed

48	Dibenzofuran	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 132-64-9.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
49	2,4-Dinitrotoluene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 121-14-2.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
50	4-Nitrophenol	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 100-02-7.SEC			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed
51	2,3,4,6-Tetrachlorophenol	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 58-90-2.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
52	Fluorene	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 86-73-7.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
53	4-Chlorophenyl phenyl ether	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 7005-72-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
54	Diethylphthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 84-66-2.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
55	4-Nitroaniline	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 100-01-6.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
56	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 534-52-1.SEC			+/-	17.5912	µg/mL	Unstressed
	Purity 98%			+/-	34.7769	µg/mL	Stressed
57	Azobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 103-33-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
58	4-Bromophenyl phenyl ether	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 101-55-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
59	Hexachlorobenzene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 118-74-1.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
60	Pentachlorophenol	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 87-86-5.SEC			+/-	17.5913	µg/mL	Unstressed
	Purity 99%			+/-	34.7772	µg/mL	Stressed
61	Phenanthrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 85-01-8.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
62	Anthracene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 120-12-7.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
63	n-Hexadecane (C16)	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 544-76-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
64	Carbazole	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 86-74-8.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
65	Di-n-butylphthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 84-74-2.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
66	Fluoranthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 206-44-0.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed

67	Pyrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 129-00-0.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
68	Benzyl butyl phthalate	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 85-68-7.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
69	Benz(a)anthracene	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 56-55-3.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
70	chrysene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 218-01-9.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
71	Bis(2-ethylhexyl)phthalate	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 117-81-7.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
72	Di-n-octyl phthalate	1,000.0	µg/mL	+/-	5.8140	µg/mL	Gravimetric
	CAS # 117-84-0.SEC			+/-	8.7956	µg/mL	Unstressed
	Purity 98%			+/-	17.3885	µg/mL	Stressed
73	Benzo(b)fluoranthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 205-99-2.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
74	Benzo(k)fluoranthene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 207-08-9.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
75	Benzo(a)pyrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 50-32-8.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
76	Indeno(1,2,3-cd)pyrene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 193-39-5.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
77	Dibenz(a,h)anthracene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 53-70-3.SEC			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed
78	Benzo(g,h,i)perylene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 191-24-2			+/-	8.7957	µg/mL	Unstressed
	Purity 99%			+/-	17.3886	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:
The Bis(2-chloroisopropyl)ether contains a 28% impurity of Propane, 1,1'oxybis,, 3-chloro.

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

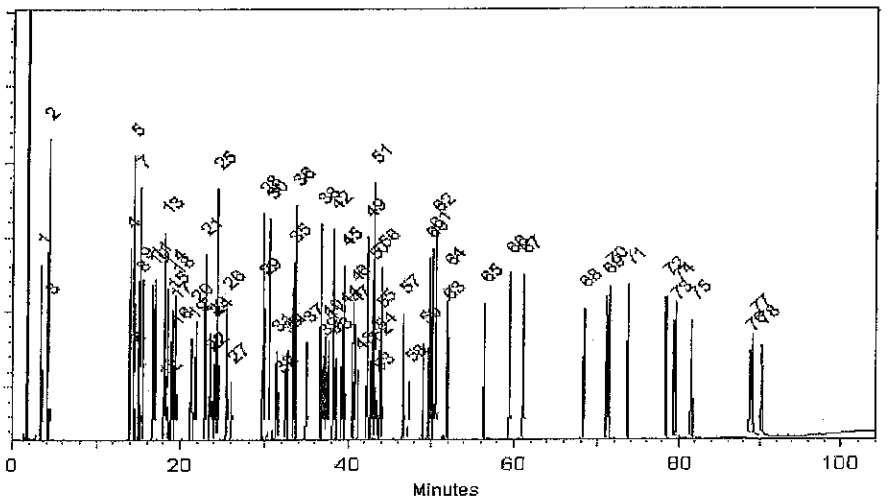
Carrier Gas:
hydrogen-constant pressure 10 psi

Temp. Program:
35°C (hold 3 min.) to 330°C
@ 3°C/min. (hold 3 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
FID



Jennifer L. Pollino - QC Analyst

Date Passed: 27-Mar-2013 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\,stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\,stability} + U^2_{shipping\,stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

SMLIST1 55 52_00001

RESTEK

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567673.sec **Lot No.:** A093775

Description : 8270 List 1 / Std #2 Amines

8270 List 1 / Std #2 Amines 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 2014 **Storage:** 10°C or colder

Handling: Contains carcinogen

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	epsilon-Caprolactam	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 105-60-2.SEC		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed
2	Atrazine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 1912-24-9.SEC		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed
3	Benzidine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 92-87-5.SEC		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed
4	3,3'-Dichlorobenzidine	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 91-94-1.SEC		+/- 17.5913	µg/mL	Unstressed
	Purity 99%		+/- 34.7772	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

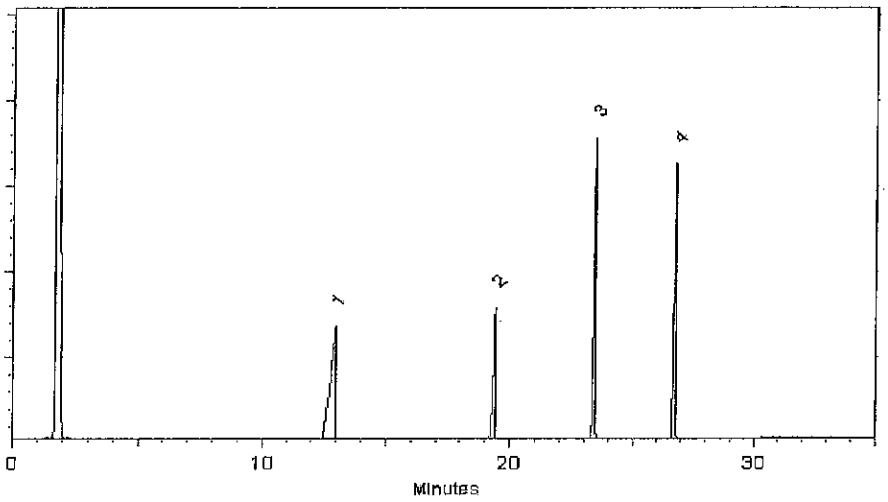
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jodi E. Breon - QA Analyst

Date Passed: 11-Mar-2013 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567674.sec **Lot No.:** A093654

Description : 8270 List 1 / Std #3 Benzoic Acid

8270 List 1 / Std #3 Benzoic Acid 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : February 2016 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzoic acid	2,000.0 µg/mL	+/- 11.6284	µg/mL	Gravimetric
	CAS # 65-85-0.SEC		+/- 96.5270	µg/mL	Unstressed
	Purity 97%		+/- 96.6098	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

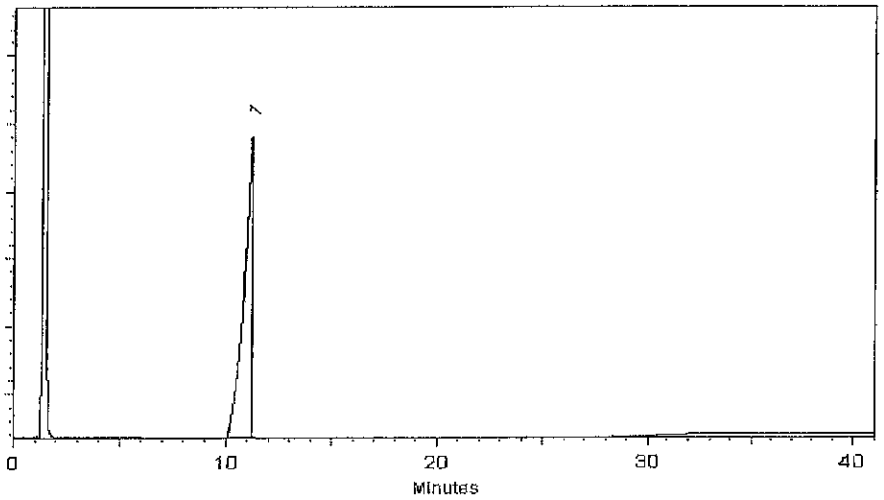
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jodi E. Breon - QA Analyst

Date Passed: 22-Feb-2013 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
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0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

SMLIST1 55 55_0000 1

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Certificate of Analysis

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Catalog No. : 567676.sec **Lot No.:** A093671

Description : 8270 List 1 / Std #5 N-Nitrosodiphenylamine

8270 List 1 / Std #5 N-Nitrosodiphenylamine 2,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : February 2015 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	N-Nitrosodiphenylamine	1,999.9 µg/mL	+/- 11.6278	µg/mL	Gravimetric
	CAS # 86-30-6.SEC		+/- 17.5908	µg/mL	Unstressed
	Purity 95%		+/- 34.7762	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

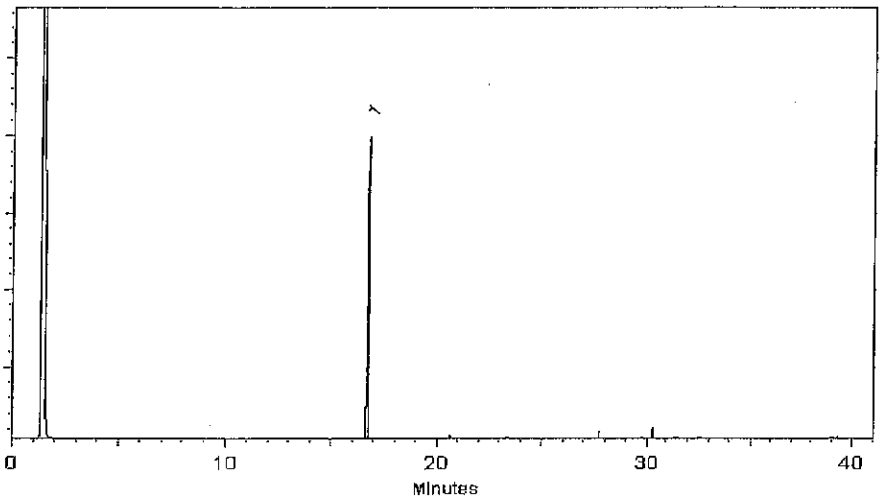
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jennifer L. Pollino - QC Analyst

Date Passed: 25-Feb-2013 Balance: 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

5MLIST1 SURR-00002

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567685 **Lot No.:** A093638

Description : 8270 Surrogate Standard

8270 Surrogate Standard 5,000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : February 2018 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol	5,000.0 µg/mL	+/- 29.0689	µg/mL	Gravimetric
	CAS # 367-12-4		+/- 132.9492	µg/mL	Unstressed
	Purity 99%		+/- 163.4029	µg/mL	Stressed
2	Phenol-d5	5,000.0 µg/mL	+/- 29.0689	µg/mL	Gravimetric
	CAS # 4165-62-2		+/- 132.9492	µg/mL	Unstressed
	Purity 99%		+/- 163.4029	µg/mL	Stressed
3	Nitrobenzene-d5	5,000.0 µg/mL	+/- 29.0689	µg/mL	Gravimetric
	CAS # 4165-60-0		+/- 132.9492	µg/mL	Unstressed
	Purity 99%		+/- 163.4029	µg/mL	Stressed
4	2-Fluorobiphenyl	5,000.0 µg/mL	+/- 29.0689	µg/mL	Gravimetric
	CAS # 321-60-8		+/- 132.9492	µg/mL	Unstressed
	Purity 99%		+/- 163.4029	µg/mL	Stressed
5	2,4,6-Tribromophenol	5,000.0 µg/mL	+/- 29.0689	µg/mL	Gravimetric
	CAS # 118-79-6		+/- 132.9492	µg/mL	Unstressed
	Purity 99%		+/- 163.4029	µg/mL	Stressed
6	p-Terphenyl-d14	5,000.0 µg/mL	+/- 29.0689	µg/mL	Gravimetric
	CAS # 1718-51-0		+/- 132.9492	µg/mL	Unstressed
	Purity 99%		+/- 163.4029	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

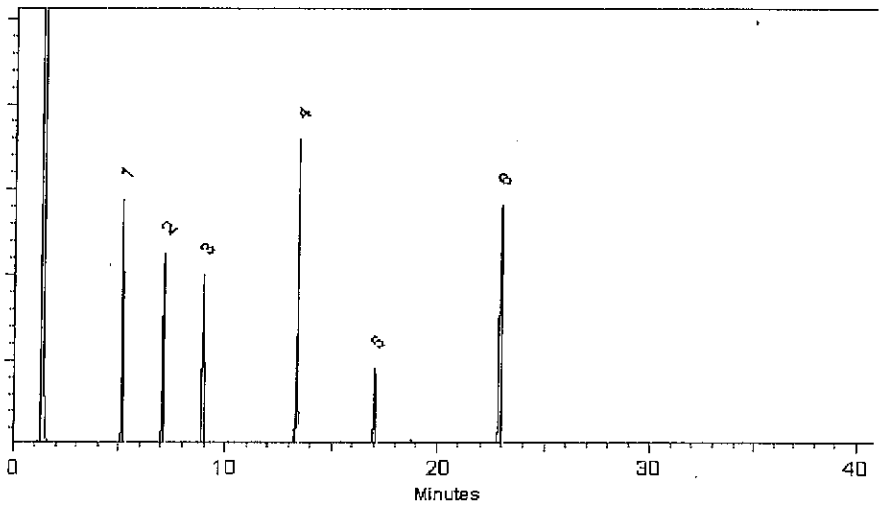
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Diane Shaffer - QA Analyst

Date Passed: 22-Feb-2013 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
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Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

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0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

Certificate of Composition

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567685 **Lot No.:** A092712

Description : 8270 Surrogate Standard

8270 Surrogate Standard 5000 ug/ml, Methylene Chloride, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 2018 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 367-12-4		+/- 132.9947	µg/mL	Unstressed
	Purity 99%		+/- 163.4399	µg/mL	Stressed
2	Phenol-d5	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 4165-62-2		+/- 132.9947	µg/mL	Unstressed
	Purity 99%		+/- 163.4399	µg/mL	Stressed
3	Nitrobenzene-d5	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 4165-60-0		+/- 132.9947	µg/mL	Unstressed
	Purity 99%		+/- 163.4399	µg/mL	Stressed
4	2-Fluorobiphenyl	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 321-60-8		+/- 132.9947	µg/mL	Unstressed
	Purity 99%		+/- 163.4399	µg/mL	Stressed
5	2,4,6-Tribromophenol	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 118-79-6		+/- 132.9947	µg/mL	Unstressed
	Purity 99%		+/- 163.4399	µg/mL	Stressed
6	p-Terphenyl-d14	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 1718-51-0		+/- 132.9947	µg/mL	Unstressed
	Purity 99%		+/- 163.4399	µg/mL	Stressed

Solvent: Methylene Chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

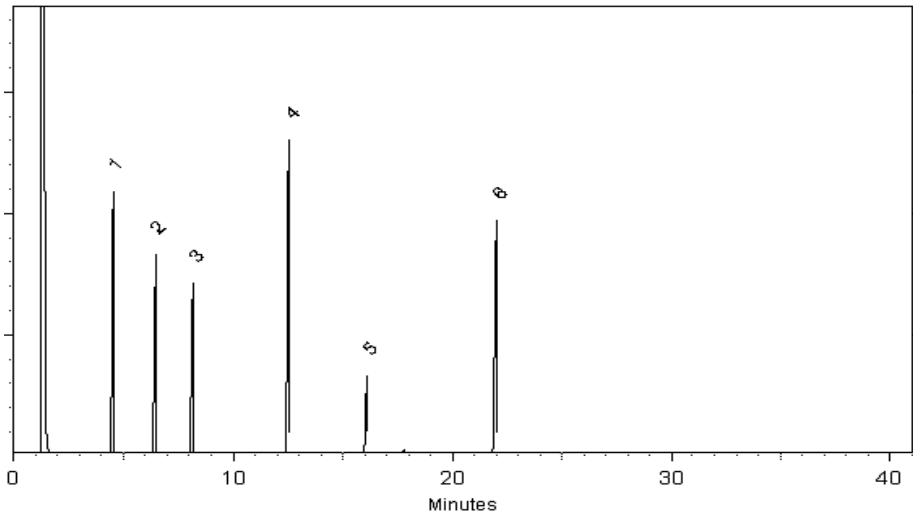
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



Jennifer L. Pollino - QC Analyst

Date Passed: 14-Jan-2013 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
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Purity Notes:

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0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

REVIEWED
By jlidgett at 8:46 am, Jan 15, 2013

3/15/11
TS

RESTEK

Certificate of Analysis

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Bellefonte, PA 16823-8812
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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 30006 **Lot No.:** A076449

Description : VOA Calibration Mix #1

Expiration Date[1]**:** November 2013 **Storage:** Freezer

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Acetone	67-64-1	99%	5,000.000 ug/ml	+/-0.58 %
2	2-Butanone (MEK)	78-93-3	99%	5,000.000 ug/ml	+/-0.58 %
3	4-Methyl-2-pentanone (MIBK)	108-10-1	99%	5,000.000 ug/ml	+/-0.58 %
4	2-Hexanone	591-78-6	99%	5,000.000 ug/ml	+/-0.58 %
Solvent:	P&T Methanol/Water (90:10)	67-56-1/7732-18-5	99%		

Column:
105m x .53mm x 3.0um
Rtx-502.2 (cat.#10910)

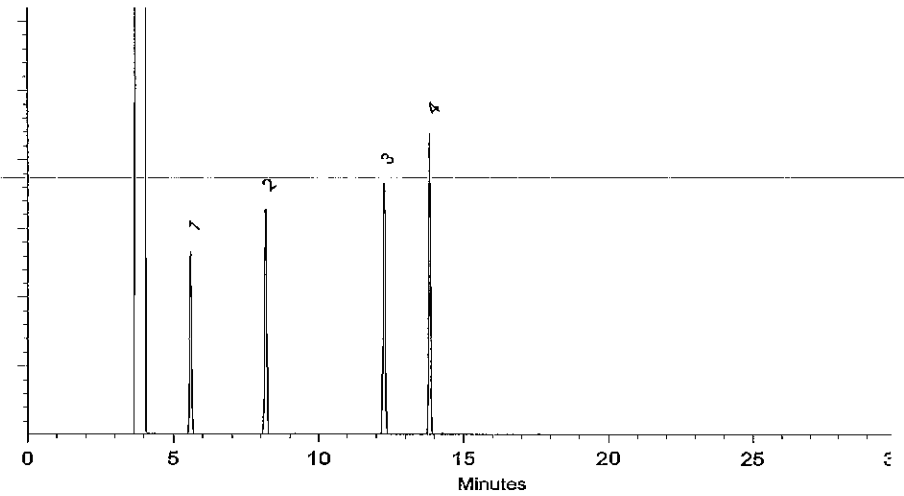
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



Sara Eyster QA Analyst **Date Passed:** 25-Aug-2010 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Certificate of Analysis

8/23/12 TS

DESCRIPTION: Volatile Organic Compounds Mix 6

CATALOG NO.: 48799-U MFG DATE: Mar-2012

LOT NO.: LB91213 EXPIRATION DATE: Jun-2013

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
BROMOMETHANE	74-83-9	99.9 (a)	2000	2041	+/-	35.1	LB68220
CHLOROETHANE	75-00-3	99.9 (a)	2000	2079	+/-	46.9	LB55667
CHLOROMETHANE	74-87-3	99.9	2000	2116	+/-	61.9	LB64986
DICHLORODIFLUOROMETHANE	75-71-8	99.9 (a)	2000	2044	+/-	88.1	LB68837
TRICHLOROFLUOROMETHANE	75-69-4	99.9 (a)	2000	2088	+/-	44.9	LA91320
VINYL CHLORIDE	75-01-4	99.9 (a)	2000	2141	+/-	45.7	LB89571

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) GC; detector HALL

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO Analytical
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RESTEK

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11/23/11
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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 556005 **Lot No.:** A085142

Description : Custom Volatiles Mix 2

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2013 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	97%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	1,1-dichloroethene	75-35-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
3	Methyl acetate	79-20-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Carbon disulfide	75-15-0	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
5	Methylene chloride (dichloromethane)	75-09-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
6	Methyl-tert-butyl ether (MTBE)	1634-04-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
7	cis-1,2-Dichloroethene	156-59-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	n-Hexane (C6)	110-54-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloroethane	75-34-3	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
10	trans-1,2-Dichloroethene	156-60-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
11	chloroform	67-66-3	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
12	1,1,1-trichloroethane	71-55-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
13	Cyclohexane	110-82-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	carbon tetrachloride	56-23-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
15	1,2-Dichloroethane	107-06-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
16	Benzene	71-43-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	Trichloroethene	79-01-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
18	Methylcyclohexane	108-87-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
19	1,2-Dichloropropane	78-87-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
20	bromodichloromethane	75-27-4	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
21	cis-1,3-Dichloropropene	10061-01-5	97%	2,500.0 ug/mL	+/- 17.8401 ug/mL
22	Toluene	108-88-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	trans-1,3-Dichloropropene	10061-02-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
24	1,1,2-Trichloroethane	79-00-5	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
25	Tetrachloroethene	127-18-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
26	dibromochloromethane	124-48-1	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
27	1,2-Dibromoethane (EDB)	106-93-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	Chlorobenzene	108-90-7	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
29	Ethylbenzene	100-41-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
30	m-Xylene	108-38-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
31	p-Xylene	106-42-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
32	o-Xylene	95-47-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
33	Styrene	100-42-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL

11/22/11 TS

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 563136 **Lot No.:** A085140

Description : Custom Revised Supplemental Spike Mix

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Diethyl ether (ethyl ether)	60-29-7	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	tert-Butanol (TBA)	75-65-0	99%	50,001.6 ug/mL	+/- 292.755 ug/mL
3	Iodomethane (methyl iodide)	74-88-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Diisopropyl ether (DIPE)	108-20-3	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
5	2,2-Dichloropropane	594-20-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
6	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	125,004.4 ug/mL	+/- 731.89 ug/mL
7	Bromochloromethane	74-97-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	Tetrahydrofuran	109-99-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloropropene	563-58-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
10	Dibromomethane	74-95-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
11	1,3-Dichloropropane	142-28-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
12	1,1,1,2-Tetrachloroethane	630-20-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
13	1,2,3-Trichloropropane	96-18-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	trans-1,4-dichloro-2-butene	110-57-6	98%	5,008.2 ug/mL	+/- 29.3241 ug/mL
15	n-Propylbenzene	103-65-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
16	Bromobenzene	108-86-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	1,3,5-Trimethylbenzene	108-67-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
18	2-Chlorotoluene	95-49-8	99%	2,501.2 ug/mL	+/- 14.6784 ug/mL
19	4-Chlorotoluene	106-43-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
20	tert-Butylbenzene	98-06-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
21	1,2,4-Trimethylbenzene	95-63-6	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
22	sec-Butylbenzene	135-98-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	4-Isopropyltoluene (p-Cymene)	99-87-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
24	1,2,3-Trimethylbenzene	526-73-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
25	n-Butylbenzene	104-51-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
26	Hexachlorobutadiene	87-68-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
27	Naphthalene	91-20-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	1,2,3-Trichlorobenzene	87-61-6	99%	2,500.4 ng/mL	+/- 14.6737 ug/mL

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567641 **Lot No.:** A093581

Description : 8260 List 1 / Std #1 MegaMix

8260 List 1 / Std #1 MegaMix 1000-50,000 µg/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2016 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7 **Purity** 99%	2,000.0 µg/mL	+/- 11.6282 +/- 44.2531 +/- 44.4335	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 **Purity** 97%	1,999.9 µg/mL	+/- 11.6279 +/- 44.2519 +/- 44.4323	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 **Purity** 98%	2,000.0 µg/mL	+/- 11.6281 +/- 44.2527 +/- 44.4331	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 **Purity** 99%	20,000.0 µg/mL	+/- 116.2756 +/- 442.5291 +/- 444.3332	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Iodomethane (methyl iodide) **CAS #** 74-88-4 **Purity** 99%	2,000.0 µg/mL	+/- 11.6282 +/- 44.2531 +/- 44.4335	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 **Purity** 98%	2,000.0 µg/mL	+/- 11.6281 +/- 44.2527 +/- 44.4331	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	Methyl acetate **CAS #** 79-20-9 **Purity** 99%	10,000.0 µg/mL	+/- 58.1378 +/- 221.2646 +/- 222.1666	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
8	Carbon disulfide **CAS #** 75-15-0 **Purity** 98%	2,000.0 µg/mL	+/- 11.6281 +/- 44.2527 +/- 44.4331	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Methylene chloride (dichloromethane) **CAS #** 75-09-2 **Purity** 99%	2,000.0 µg/mL	+/- 11.6282 +/- 44.2531 +/- 44.4335	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

10	Acrylonitrile	20,000.0	µg/mL	+/-	116.2756	µg/mL	Gravimetric
	CAS # 107-13-1			+/-	442.5291	µg/mL	Unstressed
	Purity 99%			+/-	444.3332	µg/mL	Stressed
11	Methyl-tert-butyl ether (MTBE)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 1634-04-4			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
12	cis-1,2-Dichloroethene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 156-59-2			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
13	n-Hexane (C6)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 110-54-3			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
14	1,1-Dichloroethane	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 75-34-3			+/-	44.2527	µg/mL	Unstressed
	Purity 98%			+/-	44.4331	µg/mL	Stressed
15	2,2-Dichloropropane	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 594-20-7			+/-	44.2527	µg/mL	Unstressed
	Purity 98%			+/-	44.4331	µg/mL	Stressed
16	trans-1,2-Dichloroethene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 156-60-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
17	chloroform	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 67-66-3			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
18	Isobutanol (2-Methyl-1-propanol)	50,000.0	µg/mL	+/-	290.6891	µg/mL	Gravimetric
	CAS # 78-83-1			+/-	1,106.3228	µg/mL	Unstressed
	Purity 99%			+/-	1,110.8331	µg/mL	Stressed
19	Bromochloromethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 74-97-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
20	Tetrahydrofuran	4,000.0	µg/mL	+/-	23.2563	µg/mL	Gravimetric
	CAS # 109-99-9			+/-	88.5061	µg/mL	Unstressed
	Purity 99%			+/-	88.8670	µg/mL	Stressed
21	1,1,1-trichloroethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 71-55-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
22	Cyclohexane	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 110-82-7			+/-	44.2527	µg/mL	Unstressed
	Purity 98%			+/-	44.4331	µg/mL	Stressed
23	1,1-Dichloropropene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 563-58-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
24	carbon tetrachloride	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 56-23-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
25	n-Heptane (C7)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 142-82-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
26	Benzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 71-43-2			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
27	1,2-Dichloroethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 107-06-2			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
28	Trichloroethene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 79-01-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed

29	Methylcyclohexane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 108-87-2			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
30	1,2-Dichloropropane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 78-87-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
31	1,4-Dioxane	40,000.0	µg/mL	+/-	232.5513	µg/mL	Gravimetric
	CAS # 123-91-1			+/-	885.0582	µg/mL	Unstressed
	Purity 99%			+/-	888.6665	µg/mL	Stressed
32	Dibromomethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 74-95-3			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
33	bromodichloromethane	2,000.0	µg/mL	+/-	11.6284	µg/mL	Gravimetric
	CAS # 75-27-4			+/-	44.2540	µg/mL	Unstressed
	Purity 97%			+/-	44.4344	µg/mL	Stressed
34	cis-1,3-Dichloropropene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 10061-01-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
35	Toluene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 108-88-3			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
36	Ethyl methacrylate	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 97-63-2			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
37	trans-1,3-Dichloropropene	2,000.0	µg/mL	+/-	11.6284	µg/mL	Gravimetric
	CAS # 10061-02-6			+/-	44.2540	µg/mL	Unstressed
	Purity 97%			+/-	44.4344	µg/mL	Stressed
38	1,1,2-Trichloroethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 79-00-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
39	1,3-Dichloropropane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 142-28-9			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
40	Tetrachloroethene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 127-18-4			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
41	dibromochloromethane	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 124-48-1			+/-	44.2527	µg/mL	Unstressed
	Purity 98%			+/-	44.4331	µg/mL	Stressed
42	1,2-Dibromoethane (EDB)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 106-93-4			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
43	Chlorobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 108-90-7			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
44	1,1,1,2-Tetrachloroethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 630-20-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
45	m-Xylene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 108-38-3			+/-	22.1265	µg/mL	Unstressed
	Purity 99%			+/-	22.2167	µg/mL	Stressed
46	p-Xylene	1,000.0	µg/mL	+/-	5.8141	µg/mL	Gravimetric
	CAS # 106-42-3			+/-	22.1265	µg/mL	Unstressed
	Purity 99%			+/-	22.2167	µg/mL	Stressed
47	o-Xylene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 95-47-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed

48	Ethylbenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 100-41-4			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
49	Styrene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 100-42-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
50	Isopropylbenzene (cumene)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 98-82-8			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
51	bromoform	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 75-25-2			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
52	1,1,2,2-Tetrachloroethane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 79-34-5			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
53	1,2,3-Trichloropropane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 96-18-4			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
54	trans-1,4-dichloro-2-butene	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 110-57-6			+/-	44.2527	µg/mL	Unstressed
	Purity 98%			+/-	44.4331	µg/mL	Stressed
55	n-Propylbenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 103-65-1			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
56	Bromobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 108-86-1			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
57	1,3,5-Trimethylbenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 108-67-8			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
58	2-Chlorotoluene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 95-49-8			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
59	4-Chlorotoluene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 106-43-4			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
60	tert-Butylbenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 98-06-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
61	1,2,4-Trimethylbenzene	2,000.0	µg/mL	+/-	11.6281	µg/mL	Gravimetric
	CAS # 95-63-6			+/-	44.2527	µg/mL	Unstressed
	Purity 98%			+/-	44.4331	µg/mL	Stressed
62	sec-Butylbenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 135-98-8			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
63	4-Isopropyltoluene (p-Cymene)	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 99-87-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
64	1,3-Dichlorobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 541-73-1			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
65	1,4-Dichlorobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 106-46-7			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
66	n-Butylbenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 104-51-8			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed

67	1,2-Dichlorobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 95-50-1			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 96-12-8			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
69	1,2,4-Trichlorobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 120-82-1			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
70	Hexachlorobutadiene	2,000.0	µg/mL	+/-	11.6284	µg/mL	Gravimetric
	CAS # 87-68-3			+/-	44.2540	µg/mL	Unstressed
	Purity 97%			+/-	44.4344	µg/mL	Stressed
71	Naphthalene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 91-20-3			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed
72	1,2,3-Trichlorobenzene	2,000.0	µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 87-61-6			+/-	44.2531	µg/mL	Unstressed
	Purity 99%			+/-	44.4335	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x .25mm x 1.4um
Rtx-502.2 (cat.#10916)

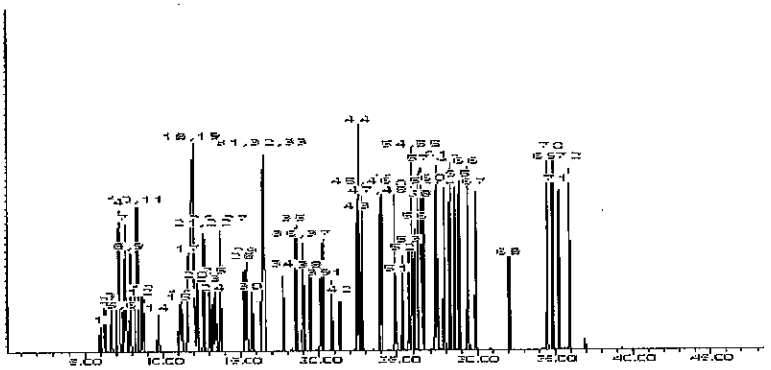
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



Jennifer L. Pollino - QC Analyst

Date Passed: 01-Mar-2013 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567642 **Lot No.:** A093365

Description : 8260 List 1 / Std #2 Ketones

8260 List 1 / Std #2 Ketones 10,000 ug/ml, P&T Methanol/Water (90:10), 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2016 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone **CAS #** 67-64-1 **Purity** 99%	10,000.0 µg/mL	+/- 58.1378 µg/mL +/- 798.6896 µg/mL +/- 799.0807 µg/mL	Gravimetric Unstressed Stressed
2	2-Butanone (MEK) **CAS #** 78-93-3 **Purity** 99%	10,000.0 µg/mL	+/- 58.1378 µg/mL +/- 798.6896 µg/mL +/- 799.0807 µg/mL	Gravimetric Unstressed Stressed
3	4-Methyl-2-pentanone (MIBK) **CAS #** 108-10-1 **Purity** 99%	10,000.0 µg/mL	+/- 58.1378 µg/mL +/- 798.6896 µg/mL +/- 799.0807 µg/mL	Gravimetric Unstressed Stressed
4	2-Hexanone **CAS #** 591-78-6 **Purity** 99%	10,000.0 µg/mL	+/- 58.1378 µg/mL +/- 798.6896 µg/mL +/- 799.0807 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

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Catalog No. : 567643 **Lot No.:** A093368

Description : 8260 List 1 / Std #4 2-Chloroethylvinyl Ether

8260 List 1 / Std #4 2-Chloroethylvinyl Ether 2,000 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2016 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Chloroethyl vinyl ether	2,000.0 µg/mL	+/- 11.6282	µg/mL	Gravimetric
	CAS # 110-75-8		+/- 44.2531	µg/mL	Unstressed
	Purity 99%		+/- 44.4335	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

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Catalog No. : 567644 **Lot No.:** A093659

Description : 8260 List 1 / Std # 5 Acrolein

8260 List 1 / Std # 5 Acrolein 5000 ug/ml, Water, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 2013 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein	5,000.0 µg/mL	+/- 29.2761	µg/mL	Gravimetric
	CAS # 107-02-8		+/- 134.3543	µg/mL	Unstressed
	Purity 99%		+/- 167.4846	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

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Catalog No. : 567645 **Lot No.:** A093341

Description : 8260 List 1 / Std #3 Gases

8260 List 1 / Std #3 Gases 2,000 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2015 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dichlorodifluoromethane (CFC-12)	2,000.0 µg/mL	+/- 13.8716	µg/mL	Gravimetric
	CAS # 75-71-8		+/- 25.2661	µg/mL	Unstressed
	Purity 99%		+/- 28.2336	µg/mL	Stressed
2	Chloromethane (methyl chloride)	1,999.8 µg/mL	+/- 13.9993	µg/mL	Gravimetric
	CAS # 74-87-3		+/- 25.3348	µg/mL	Unstressed
	Purity 99%		+/- 28.2945	µg/mL	Stressed
3	Vinyl chloride	2,000.1 µg/mL	+/- 13.9625	µg/mL	Gravimetric
	CAS # 75-01-4		+/- 25.3168	µg/mL	Unstressed
	Purity 99%		+/- 28.2792	µg/mL	Stressed
4	1,3-Butadiene	2,000.0 µg/mL	+/- 13.3773	µg/mL	Gravimetric
	CAS # 106-99-0		+/- 24.9981	µg/mL	Unstressed
	Purity 99%		+/- 27.9940	µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,000.1 µg/mL	+/- 14.2856	µg/mL	Gravimetric
	CAS # 74-83-9		+/- 25.4963	µg/mL	Unstressed
	Purity 99%		+/- 28.4399	µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,000.0 µg/mL	+/- 13.2200	µg/mL	Gravimetric
	CAS # 75-00-3		+/- 24.9143	µg/mL	Unstressed
	Purity 99%		+/- 27.9191	µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,000.0 µg/mL	+/- 13.5174	µg/mL	Gravimetric
	CAS # 75-43-4		+/- 25.0735	µg/mL	Unstressed
	Purity 99%		+/- 28.0614	µg/mL	Stressed
8	Trichlorofluoromethane (CFC-11)	1,999.9 µg/mL	+/- 13.1170	µg/mL	Gravimetric
	CAS # 75-69-4		+/- 24.8590	µg/mL	Unstressed
	Purity 99%		+/- 27.8696	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Catalog No. : 567646 **Lot No.:** A093363

Description : 8260 List 1 / Std #6 Vinyl Acetate

8260 List 1 / Std #6 Vinyl Acetate 4000 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 2013 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate	4,000.0 µg/mL	+/- 23.2563	µg/mL	Gravimetric
	CAS # 108-05-4		+/- 319.4759	µg/mL	Unstressed
	Purity 99%		+/- 319.6324	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

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Catalog No. : 567649 **Lot No.:** A093504

Description : 8260 Internal Standard

8260 Internal Standard 250-5,000 ug/ml, P&T Methanol, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : February 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butyl-d9-alcohol **CAS #** 25725-11-5 **Purity** 99%	5,000.0 µg/mL	+/- 29.0689 +/- 110.6323 +/- 111.0833	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	Fluorobenzene **CAS #** 462-06-6 **Purity** 99%	250.0 µg/mL	+/- 1.4535 +/- 5.5316 +/- 5.5542	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	1,4-Dioxane-d8 **CAS #** 17647-74-4 **Purity** 99%	5,000.0 µg/mL	+/- 29.0689 +/- 110.6323 +/- 111.0833	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Chlorobenzene-d5 **CAS #** 3114-55-4 **Purity** 99%	250.0 µg/mL	+/- 1.4535 +/- 5.5316 +/- 5.5542	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	1,4-Dichlorobenzene-d4 **CAS #** 3855-82-1 **Purity** 99%	250.0 µg/mL	+/- 1.4535 +/- 5.5316 +/- 5.5542	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Rec'd 9/27/12 TB

DESCRIPTION: 8260 Ketones Mix

CATALOG NO.: 861149 MFG DATE: Jun-2011

LOT NO.: LB85301 EXPIRATION DATE: Nov-2013

SOLVENT: METHANOL:WATER (30:70)

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
ACETONE	67-64-1	99.9	2000	1891	+/-	75.1	LB60265
CYCLOHEXANONE	108-94-1	99.5	20002	18806	+/-	673.6	LB67851
2-BUTANONE	78-93-3	99.9	2001	1888	+/-	78.2	LB38154
2-HEXANONE	591-78-6	99.9	2001	1877	+/-	70.9	LB57500
4-METHYL-2-PENTANONE	108-10-1	99.9	2001	1910	+/-	71.4	LB80301

(1) Listed in alphabetical order.
(2) Determined by capillary GC-FID, unless otherwise noted.
(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.
(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

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Analytical Solutions

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Rec: 1/31/13

Custom Standard

Product Number: CUS-5013 **Page:** 1 of 1

Lot Number: CK-0277 **Lot Issue Date:** 29-Jan-2013 **Expiration Date:** 31-May-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
vinyl acetate	000108-05-4	RM04478	2511 ± 13 µg/mL
methyl acetate	000079-20-9	NT02091	2511 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VMCU5013-00009

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

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Analytical Solutions

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12/13/12
TS

Custom Standard

Product Number: CUS-7814 **Page:** 1 of 4

Lot Number: CJ-4366 **Lot Issue Date:** 10-Dec-2012 **Expiration Date:** 31-Jan-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
1,1,2-trichlorotrifluoroethane	000076-13-1	RM04487	50.2 ± 0.3 µg/mL
methyl iodide	000074-88-4	RM04128	50.2 ± 0.3 µg/mL
carbon disulfide	000075-15-0	RM04258	50.2 ± 0.3 µg/mL
methylene chloride	000075-09-2	RM01647	50.2 ± 0.3 µg/mL
tert-butanol	000075-65-0	RM00555	1004 ± 5 µg/mL
1,1-dichloroethene	000075-35-4	RM01356	50.2 ± 0.3 µg/mL
1,1-dichloroethane	000075-34-3	RM00019	50.2 ± 0.3 µg/mL
trans-1,2-dichloroethene	000156-60-5	01306HD	50.2 ± 0.3 µg/mL
MTBE	001634-04-4	RM05302	50.2 ± 0.3 µg/mL
n-hexane	000110-54-3	NT00436	50.2 ± 0.3 µg/mL
cis-1,2-dichloroethene	000156-59-2	RM01500	50.2 ± 0.3 µg/mL
tetrahydrofuran	000109-99-9	RM05587	50.2 ± 0.3 µg/mL
chloroform	000067-66-3	RM01693	50.2 ± 0.3 µg/mL
1,2-dichloroethane	000107-06-2	RM02111	50.2 ± 0.3 µg/mL
dibromomethane	000074-95-3	RM02090	50.2 ± 0.3 µg/mL
1,4-dioxane	000123-91-1	RM02104	2503 ± 13 µg/mL
1,1,1-trichloroethane	000071-55-6	RM00027	50.2 ± 0.3 µg/mL
carbon tetrachloride	000056-23-5	RM00012	50.2 ± 0.3 µg/mL
bromodichloromethane	000075-27-4	10529HD	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

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Certificate of Analysis

Custom Standard

Product Number: CUS-7814 **Page:** 2 of 4

Lot Number: CJ-4366 **Lot Issue Date:** 10-Dec-2012 **Expiration Date:** 31-Jan-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

1,2-dichloropropane	000078-87-5	RM02091	50.2 ± 0.3 µg/mL
cis-1,3-dichloropropene	010061-01-5	RM01442	50.2 ± 0.3 µg/mL
trichloroethene	000079-01-6	RM00029	50.2 ± 0.3 µg/mL
dibromochloromethane	000124-48-1	07705AN	50.2 ± 0.3 µg/mL
1,2-dibromoethane	000106-93-4	RM00018	50.2 ± 0.3 µg/mL
1,2,3-trichloropropane	000096-18-4	RM02562	50.2 ± 0.3 µg/mL
1,1,2-trichloroethane	000079-00-5	RM02575	50.2 ± 0.3 µg/mL
benzene	000071-43-2	RM03830	50.2 ± 0.3 µg/mL
ethyl methacrylate	000097-63-2	RM04592	50.2 ± 0.3 µg/mL
trans-1,3-dichloropropene	010061-02-6	RM01443	50.2 ± 0.3 µg/mL
bromoform	000075-25-2	RM01801	50.2 ± 0.3 µg/mL
tetrachloroethene	000127-18-4	RM00026	50.2 ± 0.3 µg/mL
toluene	000108-88-3	RM02555	50.2 ± 0.3 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	RM02540	50.2 ± 0.3 µg/mL
chlorobenzene	000108-90-7	RM01874	50.2 ± 0.3 µg/mL
ethylbenzene	000100-41-4	RM00783	50.2 ± 0.3 µg/mL
styrene	000100-42-5	LR-11228MQ	50.2 ± 0.3 µg/mL
trans-1,4-dichloro-2-butene	000110-57-6	RM04930	50.2 ± 0.3 µg/mL
m-xylene	000108-38-3	RM00053	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 3 of 4

Lot Number: CJ-4366 **Lot Issue Date:** 10-Dec-2012 **Expiration Date:** 31-Jan-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

p-xylene	000106-42-3	RM02647	50.2 ± 0.3 µg/mL
o-xylene	000095-47-6	RM00052	50.2 ± 0.3 µg/mL
1,3-dichlorobenzene	000541-73-1	RM00061	50.2 ± 0.3 µg/mL
1,4-dichlorobenzene	000106-46-7	RM01501	50.2 ± 0.3 µg/mL
1,2-dichlorobenzene	000095-50-1	RM00060	50.2 ± 0.3 µg/mL
bromochloromethane	000074-97-5	RM00009	50.2 ± 0.3 µg/mL
bromobenzene	000108-86-1	RM00056	50.2 ± 0.3 µg/mL
isopropylbenzene	000098-82-8	RM02285	50.2 ± 0.3 µg/mL
n-propylbenzene	000103-65-1	RM02468	50.2 ± 0.3 µg/mL
n-butylbenzene	000104-51-8	RM01802	50.2 ± 0.3 µg/mL
sec-butylbenzene	000135-98-8	RM01800	50.2 ± 0.3 µg/mL
tert-butylbenzene	000098-06-6	RM01814	50.2 ± 0.3 µg/mL
1,2,4-trimethylbenzene	000095-63-6	RM00050	50.2 ± 0.3 µg/mL
1,3,5-trimethylbenzene	000108-67-8	RM02563	50.2 ± 0.3 µg/mL
1,2,3-trichlorobenzene	000087-61-6	RM02563	50.2 ± 0.3 µg/mL
1,2,4-trichlorobenzene	000120-82-1	RM00063	50.2 ± 0.3 µg/mL
1,1-dichloropropene	000563-58-6	RM01234	50.2 ± 0.3 µg/mL
1,3-dichloropropane	000142-28-9	RM02080	50.2 ± 0.3 µg/mL
2,2-dichloropropane	000594-20-7	01104EE	50.2 ± 0.3 µg/mL

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Product Number: CUS-7814 **Page:** 4 of 4

Lot Number: CJ-4366 **Lot Issue Date:** 10-Dec-2012 **Expiration Date:** 31-Jan-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

2-chlorotoluene	000095-49-8	NT00290	50.2 ± 0.3 µg/mL
4-chlorotoluene	000106-43-4	RM01866	50.2 ± 0.3 µg/mL
4-isopropyltoluene	000099-87-6	RM00046	50.2 ± 0.3 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	RM02088	50.2 ± 0.3 µg/mL
hexachlorobutadiene	000087-68-3	RM02247	50.1 ± 0.3 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	RM02567	50.2 ± 0.3 µg/mL
naphthalene	000091-20-3	RM02406	50.2 ± 0.3 µg/mL
methyl acetate	000079-20-9	NT02091	50.2 ± 0.3 µg/mL
methylcyclohexane	000108-87-2	RM04641	50.2 ± 0.3 µg/mL
cyclohexane	000110-82-7	RM01880	50.2 ± 0.3 µg/mL
1,3,5-trichlorobenzene	000108-70-3	RM02554	50.2 ± 0.3 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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2/1/12 TS

Custom Standard

Product Number: CUS-8125 **Page:** 1 of 1

Lot Number: CG-3334 **Lot Issue Date:** Sep-2010 **Expiration Date:** Oct-2012

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	01127CO	25046 ± 125 µg/mL
dibromofluoromethane	001868-53-7	RM01021	25120 ± 126 µg/mL
1,2-dichloroethane-d4	017060-07-0	9H-136	25058 ± 125 µg/mL
toluene-d8	002037-26-5	E90P1	25096 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VM CUS 8125- 00007

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Rec: 1/29/13

Custom Standard

Product Number: CUS-8634 **Page:** 1 of 1

Lot Number: CK-0228 **Lot Issue Date:** 24-Jan-2013 **Expiration Date:** 31-May-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acrylonitrile	000107-13-1	RM05172	5023 ± 25 µg/mL
acetonitrile	000075-05-8	RM01645	25123 ± 126 µg/mL
acrolein	000107-02-8	RM04210	25123 ± 126 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VMCUS 8634_ 00008

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Certificate of Analysis

6/11/12
TB

VOC Gas Mixture

Product Number: DWM-544 **Page:** 1 of 1

Lot Number: CJ-1658 **Lot Issue Date:** 09-May-2012 **Expiration Date:** 30-Jun-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
bromomethane	000074-83-9	06623AQ	2008 ± 10 µg/mL
chloroethane	000075-00-3	00223KG	2008 ± 10 µg/mL
chloromethane	000074-87-3	07-44048	2008 ± 10 µg/mL
dichlorodifluoromethane	000075-71-8	Q96-67	2007 ± 10 µg/mL
trichlorofluoromethane	000075-69-4	DR-16417BR	2006 ± 10 µg/mL
vinyl chloride	000075-01-4	1201FC10	2008 ± 10 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VM DWM544 00012

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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12/13/12
TS

2-Chloroethylvinyl Ether Solution

Product Number: EPA-1016 **Page:** 1 of 1

Lot Number: CG-0850A **Lot Issue Date:** 03-May-2012 **Expiration Date:** 30-Jun-2014

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
2-chloroethylvinyl ether	000110-75-8	04606CJ	5015 ± 25 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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RCC'D
5-15-12

Internal Standard Mixture

Product Number: STM-520 **Page:** 1 of 1

Lot Number: CH-3660 **Lot Issue Date:** 15-Nov-2011 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
chlorobenzene-d5	003114-55-4	RM01430-01	2503 ± 13 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM01700-06	2500 ± 13 µg/mL
fluorobenzene	000462-06-6	RM03366-01	2513 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VMSTM520_00016

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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2/15/13
TS

Method 8260 Surrogate Standard Mixture

Product Number: STM-530 **Page:** 1 of 1

Lot Number: CJ-1280 **Lot Issue Date:** 17-Apr-2012 **Expiration Date:** 31-May-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	RM03908-	2512 ± 13 µg/mL
dibromofluoromethane	001868-53-7	RM04871-01	2512 ± 13 µg/mL
1,2-dichloroethane-d4	017060-07-0	RM04304-	2512 ± 13 µg/mL
toluene-d8	002037-26-5	RM04138-	2512 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **Custom Solution**

Catalog No.: TAPITT-CAL-SPECA-REV

Lot Number: **F2-MEB415031**

Matrix: 3% HNO3(v/v)

2,500 µg/mL ea:
Ca, K, Mg, Na,

1,250 µg/mL ea:
Fe,

25 µg/mL ea:
Al, Mn,

5 µg/mL ea:
Ag, As, Ba, Be, Cd, Co, Cr3, Cu, Ni,
Pb, Se, Sr, Tl, V, Zn

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	25.00 ± 0.18 µg/mL	Arsenic, As	5.000 ± 0.032 µg/mL	Barium, Ba	4.999 ± 0.036 µg/mL
Beryllium, Be	5.002 ± 0.036 µg/mL	Cadmium, Cd	5.000 ± 0.032 µg/mL	Calcium, Ca	2,500 ± 16 µg/mL
Chromium+3, Cr3	5.001 ± 0.032 µg/mL	Cobalt, Co	5.003 ± 0.032 µg/mL	Copper, Cu	5.001 ± 0.032 µg/mL
Iron, Fe	1,250 ± 8 µg/mL	Lead, Pb	5.002 ± 0.032 µg/mL	Magnesium, Mg	2,500 ± 16 µg/mL
Manganese, Mn	25.02 ± 0.15 µg/mL	Nickel, Ni	4.999 ± 0.028 µg/mL	Potassium, K	2,500 ± 16 µg/mL
Selenium, Se	5.002 ± 0.028 µg/mL	Silver, Ag	4.999 ± 0.032 µg/mL	Sodium, Na	2,500 ± 16 µg/mL
Strontium, Sr	5.001 ± 0.032 µg/mL	Thallium, Tl	5.002 ± 0.032 µg/mL	Vanadium, V	4.999 ± 0.032 µg/mL
Zinc, Zn	5.001 ± 0.028 µg/mL				

Certified Density: 1.051 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

$(\bar{x})$ = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$

2 = the coverage factor.

$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212
Ag	Volhard	999b	999b
Al	ICP Assay	3101a	060502
Al	EDTA	928	928
As	Calculated		See Sec. 4.2
As	ICP Assay	3103a	010713
Ba	Gravimetric		See Sec. 4.2
Ba	ICP Assay	3104a	070222
Be	Calculated		See Sec. 4.2
Be	ICP Assay	3105a	892707
Ca	ICP Assay	3109a	050825
Ca	EDTA	928	928
Cd	ICP Assay	3108	060531
Cd	EDTA	928	928
Co	ICP Assay	3113	00630
Co	EDTA	928	928
Cr3	Calculated		See Sec. 4.2
Cr3	ICP Assay	3112a	030730
Cu	ICP Assay	3114	011017
Cu	EDTA	928	928
Fe	ICP Assay	3126a	051031
Fe	EDTA	928	928
K	Gravimetric		See Sec. 4.2
K	ICP Assay	3141a	051220
Mg	ICP Assay	3131a	050302
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	Gravimetric		See Sec. 4.2
Na	ICP Assay	3152a	010728
Ni	ICP Assay	3136	000612
Ni	EDTA	928	928
Pb	ICP Assay	3128	030721
Pb	EDTA	928	928
Se	Calculated		See Sec. 4.2
Se	ICP Assay	3149	992106
Sr	ICP Assay	3153a	990906
Sr	EDTA	928	928
Tl	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	993012
V	ICP Assay	3165	992706
V	EDTA	928	928
Zn	ICP Assay	3168a	080123
Zn	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- SAI Global File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Technical Process Director

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

REC: 31313

CERTIFICATE OF ANALYSIS

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info@inorganicventures.com

765240

is an ISO Guide 34 "General Requirements for the
e Material Producers" and ISO 9001 registered
icturing laboratory is accredited to ISO/IEC 17025
or the Competence of Testing and Calibration

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

Custom Solution

TAPITT-CAL-SPECB

F2-MEB415032

3% HNO3(v/v), tr. HF

Sn, Ti

UNCERTAINTIES

	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
nL	Boron, B	5.000 ± 0.032 µg/mL	Molybdenum, Mo	5.002 ± 0.035 µg/mL
nL	Tin, Sn	5.002 ± 0.041 µg/mL	Titanium, Ti	5.002 ± 0.039 µg/mL

6 g/mL (measured at 20 ± 1° C)

alculation of the certified value and the uncertainty. Reported uncertainties represent expanded
the 95% confidence level using a coverage factor of k = 2.

$(\bar{x})$ = mean

x_i = individual results

n = number of measurements

2 = the coverage factor.

$[\Sigma(s_i)^2]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	Calculated		See Sec. 4.2
B	ICP Assay	3107	070514
Mo	Calculated		See Sec. 4.2
Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102A	061229
Si	Calculated		See Sec. 4.2
Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2
Sn	ICP Assay	3161a	070330
Ti	Calculated		See Sec. 4.2
Ti	ICP Assay	3162a	060808

4.2 **BALANCE CALIBRATION -** All analytical balances are calibrated yearly by an accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION -** All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION -** An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- SAI Global File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Technical Process Director

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

L635052

INORGANIC VENTURES™
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Christiansburg, VA 24073 • USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

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fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 863.01 ACCREDITED Reference Material Producer Certificate 863.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Aluminum in 7% (v/v) HNO3**

Catalog Number:	CGAL10-1, CGAL10-2, and CGAL10-5
Lot Number:	**F2-AL04115**
Starting Material:	Al ingot
Starting Material Purity (%):	99.9991
Starting Material Lot No:	1629
Matrix:	7% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,041 ± 51 µg/mL - weighted mean

Certified Density: 1.089 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$ ($\bar{x}$) = mean
x_i = individual results
n = number of measurements

Uncertainty (±) = $2\,[\,\Sigma(s_i)^2\,]^{1/2}$ 2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **10,039 ± 31 µg/mL**
ICP Assay NIST SRM 3101a Lot Number: 060502

Assay Method #2 **10,043 ± 25 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

s	Al	M	Dy < 0.036903	O	Li 0.000033	M	Pr < 0.001845	M	Te < 0.184517
M	Sb < 0.003075	M	Er < 0.030753	M	Lu < 0.002460	M	Re < 0.006151	M	Tb < 0.001845
M	As < 0.061506	M	Eu < 0.018452	O	Mg 0.002764	M	Rh < 0.006151	M	Tl < 0.006151
M	Ba < 0.061506	M	Gd < 0.006151	O	Mn 0.000488	M	Rb < 0.006151	M	Th < 0.006151
O	Be < 0.000170	M	Ga < 0.006151	O	Hg < 0.007000	M	Ru < 0.012301	M	Tm < 0.002460
M	Bi 0.006000	M	Ge < 0.036903	M	Mo < 0.012301	M	Sm < 0.006151	M	Sn < 0.030753
O	B 0.001626	M	Au < 0.018452	M	Nd < 0.012301	M	Sc < 0.061506	O	Ti 0.006016
M	Cd < 0.018452	M	Hf < 0.012301	O	Ni 0.001301	M	Se < 0.049205	M	W < 0.061506
O	Ca 0.013495	M	Ho < 0.003075	M	Nb < 0.003075	O	Si 0.048777	M	U < 0.012301
M	Ce < 0.030753	M	In < 0.061506	n	Os	M	Ag < 0.012301	M	V < 0.012301
M	Cs < 0.001845	M	Ir < 0.030753	M	Pd < 0.030753	O	Na 0.022763	M	Yb < 0.006151
O	Cr < 0.001500	O	Fe 0.003252	O	P < 0.030000	M	Sr < 0.003075	M	Y < 0.246023
M	Co < 0.018452	M	La < 0.003075	M	Pt < 0.012301	O	S < 0.100000	O	Zn 0.016259
M	Cu < 0.036903	M	Pb < 0.018452	O	K 0.019511	M	Ta < 0.043054	M	Zr < 0.030753

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4 °C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 26.98154; +3; 6;Al(H2O)6+3

Chemical Compatibility - Soluble in HCl, HNO3, HF and H2SO4. Avoid neutral media. Soluble in strongly basic NaOH forming the Al(OH)4(H2O)21- species. Stable with most metals and inorganic anions. The phosphate is insoluble in water and only slightly soluble in acid.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

Al Containing Samples (Preparation and Solution) - Metal (Best dissolved in HCl / HNO3); α- Al2O3 (Na2CO3 fusion in Pt0); γ- Al2O3 (Soluble in acids such as HCl) ; Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (sulfuric/peroxide digestion or nitric / sulfuric / perchloric acid decomposition, or dry ash and dissolution in dilute HCl.

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES394.401 nm	0.05 / 0.006 µg/mL	1	atom	U, Ce
ICP-OES396.152 nm	0.03 / 0.006 µg/mL	1	atom	Mo, Zr, Ce
ICP-OES167.078 nm	0.1 / 0.009 µg/mL	1	ion	Fe
ICP-MS27 amu	30 ppt	n/a	M+	12C15N, 13C14N, 1H12C14N, 11B16O, 54Cr2+, 54Fe2+

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous. Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: June 27, 2012

Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Stephan Blaakman Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Barium in 0.1% (v/v) HNO3**

Catalog Number:	CGBA1-1, CGBA1-2, and CGBA1-5
Lot Number:	**E2-BA02066**
Starting Material:	Ba(NO3)2
Starting Material Purity (%):	99.9998
Starting Material Lot No:	1514_1599
Matrix:	0.1% (v/v) HNO3

Received 11/12/12 JR

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 997 ± 6 µg/mL - weighted mean

Certified Density: 1.000 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **997 ± 4 µg/mL**
ICP Assay NIST SRM 3104a Lot Number: 070222

Assay Method #2 **996 ± 3 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.000900	M Dy < 0.012010	O Li < 0.004000	M Pr < 0.000601	M Te < 0.060052
M Sb < 0.001001	M Er < 0.010009	M Lu < 0.000801	M Re < 0.002002	O Tb < 0.003900
M As < 0.020017	O Eu < 0.000400	O Mg 0.000130	M Rh < 0.002002	M Tl < 0.002002
s Ba	O Gd < 0.000520	M Mn < 0.008007	M Rb < 0.002002	M Th < 0.002002
M Be < 0.001001	M Ga < 0.002002	O Hg < 0.012000	M Ru < 0.004003	M Tm < 0.000801
M Bi < 0.000801	M Ge < 0.012010	M Mo < 0.004003	O Sm < 0.000710	M Sn < 0.010009
M B < 0.140121	M Au < 0.006005	O Nd < 0.001400	M Sc < 0.020017	M Ti < 0.100087
M Cd < 0.006005	M Hf < 0.004003	O Ni < 0.000900	M Se < 0.016014	M W < 0.020017
O Ca 0.000999	M Ho < 0.001001	M Nb < 0.001001	O Si < 0.003400	M U < 0.004003
M Ce < 0.010009	M In < 0.020017	n Os	M Ag < 0.004003	M V < 0.004003
M Cs < 0.000601	M Ir < 0.010009	M Pd < 0.010009	O Na < 0.010000	M Yb < 0.002002
M Cr < 0.010009	O Fe 0.001149	O P < 0.002600	O Sr 0.001449	O Y < 0.001000
M Co < 0.006005	O La < 0.000200	M Pt < 0.004003	O S < 0.025000	O Zn < 0.000390
M Cu < 0.012010	M Pb < 0.006005	O K < 0.001800	O Ta < 0.006900	M Zr < 0.010009

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 137.33; +2; 6; $Ba(H_2O)_6^{+2}$

Chemical Compatibility - Soluble in HCl, and HNO_3. Avoid H_2SO_4, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate, iodate, molybdate, sulfite and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1 -10,000 ppm solutions chemically stable for years in 1-3.5% HNO_3 / LDPE container.

Ba Containing Samples (Preparation and Solution) - Metal(is best dissolved in diluted HNO_3); Ores(Carbonate fusion in Pt0 followed by HCl dissolution. If sulfate is present dissolve the fuseate using HCl / tartaric acid to prevent $BaSO_4$ precipitate); Organic Matrices (dry ash and dissolve in dilute HCl.)

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 455.403 nm	0.002 / 0.0001 µg/mL	1	ion	Zr, U
ICP-OES 233.527 nm	0.004 / 0.0003 µg/mL	1	ion	
ICP-OES 230.424 nm	0.004 / 0.0005 µg/mL	1	ion	Mo, Ir, Co
ICP-MS 138 amu	1 ppt	n/a	M+	122Sn16O, 122Te16O

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

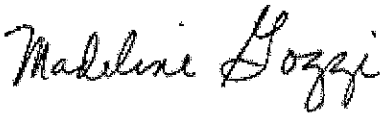
11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: October 31, 2011

Expiration Date: EXPIRES 01 Dec 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Madeline Gozzi Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 863.01 — ACCREDITED Reference Material Producer Certificate 863.02

Received 5/24/12 RJR

2.0 DESCRIPTION OF CRM **10000 µg/mL Calcium in 2% (v/v) HNO3**

Catalog Number:	CGCA10-1, CGCA10-2, and CGCA10-5
Lot Number:	**F2-CA04043**
Starting Material:	CaO
Starting Material Purity (%):	99.9980
Starting Material Lot No:	1635
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,025 ± 56 µg/mL - weighted mean

Certified Density: 1.039 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty (±) = $2 [\Sigma(s_i)^2]^{½}$ 2 = the coverage factor.

$[\Sigma(s_i)^2]^{½}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **10,026 ± 41 µg/mL**
ICP Assay NIST SRM 3109a Lot Number: 050825

Assay Method #2 **10,022 ± 25 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	< 0.000900	M	Dy	< 0.044386	O	Li	< 0.000024	M	Pr	< 0.002219	M	Te	< 0.221932
M	Sb	< 0.003699	M	Er	< 0.036989	M	Lu	< 0.002959	M	Re	< 0.007398	M	Tb	< 0.002219
M	As	< 0.073977	M	Eu	< 0.022193	O	Mg	0.047315	M	Rh	< 0.007398	M	Tl	< 0.007398
O	Ba	0.004732	M	Gd	< 0.007398	O	Mn	< 0.000300	M	Rb	< 0.007398	M	Th	< 0.007398
O	Be	< 0.000085	M	Ga	< 0.007398	O	Hg	< 0.011000	M	Ru	< 0.014795	M	Tm	< 0.002959
M	Bi	< 0.002959	M	Ge	< 0.044386	M	Mo	< 0.014795	M	Sm	< 0.007398	M	Sn	< 0.036989
O	B	< 0.000540	M	Au	< 0.022193	M	Nd	< 0.014795	O	Sc	< 0.000020	O	Ti	< 0.005000
O	Cd	< 0.004500	M	Hf	< 0.014795	O	Ni	< 0.002300	O	Se	< 0.006200	M	W	< 0.073977
s	Ca		M	Ho	< 0.003699	M	Nb	< 0.003699	O	Si	0.013519	M	U	< 0.014795
M	Ce	< 0.036989	O	In	< 0.002000	n	Os		M	Ag	< 0.014795	O	V	< 0.000900
M	Cs	< 0.002219	M	Ir	< 0.036989	M	Pd	< 0.036989	O	Na	0.021630	M	Yb	< 0.007398
O	Cr	< 0.000800	O	Fe	< 0.001100	O	P	< 0.004800	O	Sr	0.189261	M	Y	< 0.295910
O	Co	< 0.001200	M	La	< 0.003699	M	Pt	< 0.014795	O	S	0.108149	O	Zn	< 0.000190
O	Cu	< 0.004000	M	Pb	< 0.022193	O	K	0.008111	M	Ta	< 0.051784	M	Zr	< 0.036989

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 40.078; +2; 6; Ca(H2O)6+2

Chemical Compatibility - Soluble in HCl and HNO3. Avoid H2SO4, HF, H3PO4 and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-10% HNO3 / LDPE container.

Ca Containing Samples (Preparation and Solution) - Metal (best dissolved in diluted HNO3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (dry ash and dissolution in dilute HCl. Do not heat when dissolving to avoid precipitation of SiO2) .The oxide, hydroxide, carbonate, phosphate, and fluoride of calcium are soluble in % levels of HCl or HNO3. The sulfates (gypsum, anhydrite, etc.), certain silicates and complex compounds require fusion with Na2CO3 followed by HCl / water dissolution. Contamination is a very real problem when analyzing for trace levels.

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 393.366 nm	0.0002 / 0.00004 µg/mL	1	ion	U, Ce
ICP-OES 396.847 nm	0.0005 / 0.00006 µg/mL	1	ion	Th
ICP-OES 422.673 nm	0.01 / 0.001 µg/mL	1	atom	Ge
ICP-MS 44 amu	1200 ppt	n/a	M+	16O212C, 28Si16O, 88Sr

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous. Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

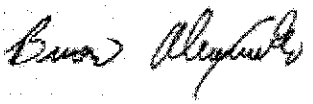
11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 12, 2012

Expiration Date:

EXPIRES
01/2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Chromium (+3) in 2% (v/v) HNO3**

Catalog Number:	CGCR(3)1-1, CGCR(3)1-2, and CGCR(3)1-5
Lot Number:	**E2-CR03060**
Starting Material:	Cr pieces
Starting Material Purity (%):	99.9958
Starting Material Lot No:	1604
Matrix:	2% (v/v) HNO3

received 11/20/12 JR

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 998 ± 5 µg/mL - weighted mean

Certified Density: 1.011 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	**Assay Method #1**	**997 ± 3 µg/mL** ICP Assay NIST SRM 3112a Lot Number: 030730
	Assay Method #2	**998 ± 3 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	0.001480	M	Dy < 0.032554	O	Li < 0.000020	M	Pr < 0.001628	M	Te < 0.162771
M	Sb < 0.002713		M	Er < 0.027128	M	Lu < 0.002170	M	Re < 0.005426	M	Tb < 0.001628
M	As < 0.054257		M	Eu < 0.016277	O	Mg < 0.000300	M	Rh < 0.005426	M	Tl < 0.005426
M	Ba < 0.054257		M	Gd < 0.005426	M	Mn < 0.021703	M	Rb < 0.005426	M	Th < 0.005426
M	Be < 0.002713		M	Ga < 0.005426	O	Hg < 0.015000	M	Ru < 0.010851	M	Tm < 0.002170
M	Bi < 0.002170		M	Ge < 0.032554	M	Mo < 0.010851	M	Sm < 0.005426	M	Sn < 0.027128
O	B < 0.010000		M	Au < 0.016277	M	Nd < 0.010851	M	Sc < 0.054257	O	Ti < 0.001000
M	Cd < 0.016277		M	Hf < 0.010851	O	Ni < 0.020000	M	Se < 0.043406	M	W < 0.054257
O	Ca	0.003885	M	Ho < 0.002713	M	Nb < 0.002713	O	Si < 0.200000	M	U < 0.010851
M	Ce < 0.027128		M	In < 0.054257	n	Os	M	Ag < 0.010851	O	V < 0.020000
M	Cs < 0.001628		M	Ir < 0.027128	M	Pd < 0.027128	O	Na 0.004625	M	Yb < 0.005426
s	Cr		O	Fe 0.022572	O	P < 0.040000	M	Sr < 0.002713	M	Y < 0.217028
M	Co < 0.016277		M	La < 0.002713	M	Pt < 0.010851	i	S	O	Zn < 0.004000
M	Cu	0.006023	M	Pb < 0.016277	O	K 0.004070	M	Ta < 0.037980	M	Zr < 0.027128

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 51.9961; +3; 6; $Cr(H_2O)_6^{3+}$

Chemical Compatibility - Stable in HCl, HNO_3, H_2SO_4, HF, H_3PO_4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO_3 / LDPE container.

Cr Containing Samples (Preparation and Solution) - Metal (soluble in HCl); Oxides/Ores (Chrome ore/oxides are very difficult to dissolve. The following procedures [A-D] are commonly used:

A. Fusion with $KHSO_4$ and extraction with hot KCl. The residue fused with Na_2CO_3 and $KClO_3$, 3:1.
B. Fusion with $NaKSO_4$ and NaF, 2:1.
C. Fusion with magnesia or lime and sodium or potassium carbonates, 4:1.
D. Fusion with Na_2O_2 or NaOH and KNO_3 or NaOH and Na_2O_2.

Nickel, iron, copper, or silver crucibles should be used for **D**. Platinum may be used for **A, B and C**);
Organic Matrices (Ash at 450EC followed by one of the fusion methods above or sulfuric/hydrogen peroxide acid digestions may be applicable to non oxide containing samples) .

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 205.552 nm	0.006 / 0.0008 µg/mL	1	ion	Os
ICP-OES 284.325 nm	0.008 / 0.0007 µg/mL	1	ion	
ICP-OES 276.654 nm	0.01 / 0.001 µg/mL	1	ion	Cu, Ta, V
ICP-MS 52 amu	40 ppt	n/a	M+	36S16O, 36Ar16O - The 50Cr, 53Cr, 54Cr lines suffer from many more potential interferences from sulfur, chlorine and argon compounds of oxygen, nitrogen and carbon.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

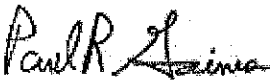
11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 13, 2012
Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

635057

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Copper in 3% (v/v) HNO3**

Catalog Number:	CGCU1-1, CGCU1-2, and CGCU1-5
Lot Number:	**E2-CU02130**
Starting Material:	Cu shot
Starting Material Purity (%):	100.0000
Starting Material Lot No:	1612
Matrix:	3% (v/v) HNO3

Received 11/12/12 JR

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,002 ± 5 µg/mL - weighted mean

Certified Density: 1.016 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	**Assay Method #1**	**1,001 ± 3 µg/mL** ICP Assay NIST SRM 3114 Lot Number: 011017
	Assay Method #2	**1,003 ± 3 µg/mL** EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.000900	M Dy < 0.059973	O Li < 0.000020	M Pr < 0.002999	M Te < 0.299865
M Sb < 0.004998	M Er < 0.049978	M Lu < 0.003998	M Re < 0.009996	M Tb < 0.002999
M As < 0.099955	M Eu < 0.029987	O Mg < 0.000030	M Rh < 0.009996	M Tl < 0.009996
M Ba < 0.099955	M Gd < 0.009996	O Mn < 0.000200	M Rb < 0.009996	M Th < 0.009996
M Be < 0.004998	M Ga < 0.009996	O Hg < 0.015000	M Ru < 0.019991	M Tm < 0.003998
M Bi < 0.003998	M Ge < 0.059973	M Mo < 0.019991	M Sm < 0.009996	O Sn < 0.004000
M B < 0.699685	M Au < 0.029987	M Nd < 0.019991	M Sc < 0.099955	M Ti < 0.499775
M Cd < 0.029987	M Hf < 0.019991	O Ni < 0.003000	M Se < 0.079964	M W < 0.099955
O Ca 0.000040	M Ho < 0.004998	M Nb < 0.004998	O Si < 0.003400	M U < 0.019991
M Ce < 0.049978	M In < 0.099955	n Os	M Ag < 0.019991	O V < 0.003000
M Cs < 0.002999	M Ir < 0.049978	M Pd < 0.049978	O Na 0.000060	M Yb < 0.009996
M Cr < 0.049978	O Fe < 0.001100	O P < 0.002600	M Sr < 0.004998	M Y < 0.399820
M Co < 0.029987	M La < 0.004998	M Pt < 0.019991	n S	O Zn < 0.010000
s Cu	O Pb < 0.010000	O K < 0.001800	M Ta < 0.069969	M Zr < 0.049978

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 63.546; +2; 6; $Cu(H_2O)_6^{2+}$

Chemical Compatibility - Stable in HCl, HNO_3, H_2SO_4, HF, H_3PO_4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO_3 / LDPE container.

Cu Containing Samples (Preparation and Solution) - Metal (soluble in HNO_3); Oxides (Soluble in HCl); Ores (Dissolve in HCl / HNO_3).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 324.754 nm	0.06/.001 µg/mL		atom	Nb, U, Th, Mo, Hf
ICP-OES 224.700 nm	0.01/.001µg/mL	1	ion	Pb, Ir, Ni, W
ICP-OES 219.958 nm	0.01/.002 µg/mL	1	atom	Th, Ta, Nb, U, Hf
ICP-MS 63 amu	10 ppt	n/a	M+	40Ar23Na 47Ti16O, 14N12C37Cl, 16O12C35Cl, 23Na40Ca

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: November 18, 2011

Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

#424660

INORGANIC VENTURES™
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inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 • 540.585.3030
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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 663.01 ACCREDITED Reference Material Producer Certificate 663.02

Ron Rowland
RECEIVED
5/29/12

2.0 DESCRIPTION OF CRM **10000 µg/mL Iron in 5% (v/v) HNO3**

Catalog Number:	CGFE10-1, CGFE10-2, and CGFE10-5
Lot Number:	**E2-FE03145**
Starting Material:	Fe powder
Starting Material Purity (%):	99.9983
Starting Material Lot No:	1618
Matrix:	5% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,032 ± 54 µg/mL - weighted mean

Certified Density: 1.053 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **10,023 ± 38 µg/mL**
ICP Assay NIST SRM 3126a Lot Number: 051031

Assay Method #2 **10,052 ± 25 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.002700	M Dy < 0.039911	O Li < 0.000030	M Pr < 0.001996	M Te < 0.199556
M Sb < 0.003326	M Er < 0.033259	M Lu < 0.002661	M Re < 0.006652	M Tb < 0.001996
M As < 0.066519	M Eu < 0.019956	O Mg < 0.000060	M Rh < 0.006652	M Tl < 0.006652
O Ba < 0.000100	M Gd < 0.006652	O Mn 0.054322	M Rb < 0.006652	M Th < 0.006652
O Be < 0.000050	M Ga < 0.006652	O Hg < 0.011000	M Ru < 0.013304	M Tm < 0.002661
M Bi < 0.002661	i Ge	M Mo < 0.013304	M Sm < 0.006652	M Sn < 0.033259
O B < 0.020000	M Au < 0.019956	M Nd < 0.013304	M Sc < 0.066519	M Ti < 0.332594
M Cd < 0.019956	M Hf < 0.013304	O Ni 0.055831	M Se < 0.053215	M W < 0.066519
O Ca 0.004527	M Ho < 0.003326	M Nb < 0.003326	O Si < 0.010000	M U < 0.013304
M Ce < 0.033259	M In < 0.066519	n Os	M Ag < 0.013304	M V < 0.013304
M Cs < 0.001996	M Ir < 0.033259	M Pd < 0.033259	O Na 0.004678	M Yb < 0.006652
M Cr < 0.033259	s Fe	i P	M Sr < 0.003326	M Y < 0.266075
O Co 0.057340	M La < 0.003326	M Pt < 0.013304	i S	M Zn < 0.133038
M Cu < 0.039911	M Pb < 0.019956	O K < 0.001700	M Ta < 0.046563	M Zr < 0.033259

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 55.847; +3; 6; $Fe(H_2O)_6^{3+}$

Chemical Compatibility - Stable in HCl, HNO_3, H_2SO_4 ,HF and H_3PO_4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO_3 / LDPE container.

Fe Containing Samples (Preparation and Solution) - Metal (Soluble in HCl); Oxides (If the oxide has been at a high temperature then Na_2CO_3 fusion in Pt0 followed by HCl dissolution otherwise dissolve in dilute HCl); Ores (See Oxides above using only the fusion approach).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 238.204 nm	0.005 / 0.001 µg/mL	1	ion	Ru, Co
ICP-OES 239.562 nm	0.005 / 0.001 µg/mL	1	ion	Co, W, Cr
ICP-OES 259.940 nm	0.006 / 0.001 µg/mL	1	ion	Hf, Nb
ICP-MS 56 amu	970 ppt	n/a	M+	40Ar15N1H, 40Ar16O, 36Ar17O1H , 38Ar18O, 37Cl18O1H, 40Ca16O

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

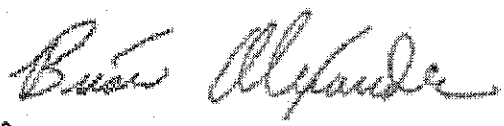
11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 16, 2012

Expiration Date:

EXPIRES
01/2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **10000 µg/mL Potassium in 2% (v/v) HNO3**

Catalog Number:	CGK10-1, CGK10-2, and CGK10-5
Lot Number:	**F2-K03029**
Starting Material:	KNO3
Starting Material Purity (%):	99.9981
Starting Material Lot No:	B19P01
Matrix:	2% (v/v) HNO3

Received 4/17/12

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 9,979 ± 55 µg/mL - weighted mean

Certified Density: 1.024 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **9,981 ± 40 µg/mL**
ICP Assay NIST SRM 3141a Lot Number: 051220

Assay Method #2 **9,971 ± 18 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	< 0.000900	M	Dy	< 0.037817	O	Li	0.000065	M	Pr	< 0.001891	M	Te	< 0.189084
M	Sb	< 0.003151	M	Er	< 0.031514	M	Lu	< 0.002521	M	Re	< 0.006303	M	Tb	< 0.001891
M	As	< 0.063028	M	Eu	< 0.018908	O	Mg	0.001032	M	Rh	< 0.006303	M	Tl	< 0.006303
O	Ba	0.000055	M	Gd	< 0.006303	O	Mn	0.000161	M	Rb	0.416797	M	Th	< 0.006303
O	Be	< 0.000200	M	Ga	< 0.006303	O	Hg	< 0.015000	M	Ru	< 0.012606	M	Tm	< 0.002521
M	Bi	< 0.002521	O	Ge	< 0.001500	M	Mo	< 0.012606	M	Sm	< 0.006303	M	Sn	< 0.031514
O	B	< 0.000600	O	Au	< 0.003000	M	Nd	< 0.012606	O	Sc	< 0.000100	O	Ti	< 0.000700
M	Cd	< 0.018908	M	Hf	< 0.012606	O	Ni	0.000806	O	Se	< 0.050000	M	W	< 0.063028
O	Ca	0.003548	M	Ho	< 0.003151	M	Nb	< 0.003151	O	Si	< 0.003400	M	U	< 0.012606
M	Ce	< 0.031514	M	In	< 0.063028	n	Os		M	Ag	< 0.012606	O	V	< 0.000900
M	Cs	< 0.001891	M	Ir	< 0.031514	M	Pd	< 0.031514	O	Na	0.051613	M	Yb	< 0.006303
M	Cr	< 0.031514	O	Fe	0.000500	O	P	< 0.002500	M	Sr	< 0.003151	M	Y	< 0.252111
M	Co	< 0.018908	M	La	< 0.003151	M	Pt	< 0.012606	O	S	< 0.072000	O	Zn	0.000403
M	Cu	< 0.037817	M	Pb	< 0.018908	s	K		M	Ta	< 0.044119	M	Zr	< 0.031514

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 39.0983; +1; (6); K+(aq)
(Coordination Number in parentheses is assumed, not certain.)

Chemical Compatibility - Soluble in HCl, HNO3, H2SO4 and HF aqueous matrices. Avoid use of HClO4 due to insolubility of the perchlorate. Stable with all metals and inorganic anions except ClO4-.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO3 / LDPE container.

K Containing Samples (Preparation and Solution) - Metal (Dissolves very rapidly in water); Ores (Sodium carbonate fusion in Pt0 followed by HCl dissolution-blank levels of K in sodium carbonate critical); Organic Matrices (Sulfuric/peroxide digestion)

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 766.490 nm	0.4 / 0.001 µg/mL	1	atom	2nd order radiation from R.E.s on some optical designs
ICP-OES 771.531 nm	1.0 / 0.03 µg/mL	1	atom	2nd order radiation from R.E.s on some optical designs
ICP-OES 404.721 nm	1.1 / 0.05 µg/mL	1	atom	U, Ce,
ICP-MS 39 amu	10 ppt	n/a	M+	38ArH, 23Na16O, 78Se

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous. Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 29, 2012
Expiration Date:

EXPIRES
01-2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

6235055

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Magnesium in 2% (v/v) HNO3**

Catalog Number:	CGMG10-1, CGMG10-2, and CGMG10-5
Lot Number:	**E2-MG03106**
Starting Material:	Mg metal
Starting Material Purity (%):	99.9998
Starting Material Lot No:	1484
Matrix:	2% (v/v) HNO3

Received 11/12/12 JR

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,000 ± 54 µg/mL - weighted mean

Certified Density: 1.053 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	Assay Method #1	**9,999 ± 38 µg/mL** ICP Assay NIST SRM 3131a Lot Number: 050302
	Assay Method #2	**10,001 ± 26 µg/mL** EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.000600	M Dy < 0.022339	O Li 0.011947	M Pr < 0.001117	M Te < 0.111693
M Sb < 0.001862	M Er < 0.018615	M Lu < 0.001489	M Re < 0.003723	M Tb < 0.001117
M As < 0.037231	M Eu < 0.011169	s Mg	M Rh < 0.003723	M Tl < 0.003723
M Ba < 0.037231	M Gd < 0.003723	O Mn < 0.000024	M Rb < 0.003723	M Th < 0.003723
O Be < 0.000170	M Ga < 0.003723	O Hg < 0.009000	M Ru < 0.007446	M Tm < 0.001489
M Bi < 0.001489	M Ge < 0.022339	M Mo < 0.007446	M Sm < 0.003723	M Sn < 0.018615
O B < 0.003000	M Au < 0.011169	M Nd < 0.007446	M Sc < 0.037231	O Ti < 0.001100
M Cd < 0.011169	M Hf < 0.007446	O Ni < 0.002700	M Se < 0.029785	M W < 0.037231
O Ca 0.003982	M Ho < 0.001862	M Nb < 0.001862	O Si < 0.006000	M U < 0.007446
M Ce < 0.018615	M In < 0.037231	n Os	M Ag < 0.007446	M V < 0.007446
M Cs < 0.001117	M Ir < 0.018615	M Pd < 0.018615	O Na 0.011947	M Yb < 0.003723
O Cr < 0.000300	O Fe < 0.001600	O P < 0.016000	M Sr < 0.001862	M Y < 0.148924
M Co < 0.011169	M La < 0.001862	M Pt < 0.007446	n S	O Zn < 0.000900
O Cu < 0.004000	M Pb 0.004942	O K < 0.050000	M Ta < 0.026062	M Zr < 0.018615

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 24.305; +2; 6; $Mg(H_2O)_6^{+2}$

Chemical Compatibility - Soluble in HCl, HNO_3, and H_2SO_4 avoid HF, H_3PO_4 and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicates, carbonates, hydroxides, oxides, and tungstates in neutral and slightly acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-10% HNO_3 / LDPE container.

Mg Containing Samples (Preparation and Solution) - Metal (Best dissolved in diluted HNO_3); Oxide (Readily soluble in above compatible aqueous acidic solutions); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Sulfuric / peroxide digestion or nitric / sulfuric / perchloric acid decomposition, or dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 279.553 nm	0.0002 / 0.00003 µg/mL	1	ion	Th
ICP-OES 280.270 nm	0.0003 / 0.00005 µg/mL	1	ion	U, V
ICP-OES 285.213 nm	0.002 / 0.00003 µg/mL	1	atom	U, Hf, Cr, Zr
ICP-MS 24 amu	42 ppt	n/a	M+	$^{7}Li^{17}O$, $^{48}Ti^{+2}$, $^{48}Ca^{+2}$

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

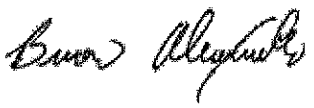
11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: November 30, 2011

Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 · 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Manganese in 3% (v/v) HNO3**

Catalog Number:	CGMN1-1, CGMN1-2, and CGMN1-5
Lot Number:	**E2-MN02093**
Starting Material:	Mn pieces
Starting Material Purity (%):	99.9940
Starting Material Lot No:	1573
Matrix:	3% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 999 ± 5 µg/mL - weighted mean

Certified Density: 1.017 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **998 ± 3 µg/mL**
ICP Assay NIST SRM 3132 Lot Number: 050429

Assay Method #2 **1,000 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	0.000806	M	Dy	< 0.049987	O	Li	< 0.000020	M	Pr	< 0.002499	M	Te	< 0.249933
M	Sb	< 0.004166	M	Er	< 0.041656	M	Lu	< 0.003332	M	Re	< 0.008331	M	Tb	< 0.002499
M	As	< 0.083311	M	Eu	< 0.024993	O	Mg	0.041735	M	Rh	< 0.008331	M	Tl	< 0.008331
M	Ba	< 0.083311	M	Gd	< 0.008331	s	Mn		M	Rb	< 0.008331	M	Th	< 0.008331
M	Be	< 0.004166	O	Ga	< 0.050000	i	Hg		M	Ru	< 0.016662	M	Tm	< 0.003332
M	Bi	< 0.003332	O	Ge	< 0.003000	M	Mo	< 0.016662	M	Sm	< 0.008331	M	Sn	< 0.041656
O	B	0.002646	M	Au	< 0.024993	M	Nd	< 0.016662	M	Sc	< 0.083311	O	Ti	< 0.002000
M	Cd	< 0.024993	M	Hf	< 0.016662	M	Ni	< 0.066649	M	Se	< 0.066649	M	W	< 0.083311
O	Ca	0.003247	M	Ho	< 0.004166	M	Nb	< 0.004166	O	Si	< 0.050000	M	U	< 0.016662
M	Ce	< 0.041656	M	In	< 0.083311	n	Os		M	Ag	< 0.016662	M	V	< 0.016662
M	Cs	< 0.002499	M	Ir	< 0.041656	M	Pd	< 0.041656	O	Na	0.006375	M	Yb	< 0.008331
M	Cr	0.004208	O	Fe	< 0.010000	i	P		M	Sr	< 0.004166	M	Y	< 0.333244
M	Co	0.001804	M	La	< 0.004166	M	Pt	< 0.016662	i	S		O	Zn	< 0.000600
M	Cu	< 0.049987	M	Pb	< 0.024993	O	K	0.000842	M	Ta	< 0.058318	M	Zr	< 0.041656

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of “working reference samples”
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.
Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 54.9380; +2; **6**; Mn(H2O)62+
Chemical Compatibility - Stable in HCl, HNO3, H2SO4 ,HF, H3PO4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.
Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5 % HNO3/LDPE container.
Mn Containing Samples (Preparation and Solution) - Metal (Soluble in dilute acids); Oxides (Soluble in dilute acids); Ores (Dissolve with HCl. If silica is present add HF and then fume off silica by adding H2SO4 and heat to SO3 fumes - dense white fumes).
Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 257.610 nm	0.0014 / 0.00002 µg/mL	1	ion	Ce, W, Re
ICP-OES 259.373 nm	0.0016 / 0.00002 µg/mL	1	ion	U, Ta, Mo, Fe, Nb
ICP-OES 260.569 nm	0.0021 / 0.00002 µg/mL	1	ion	Co
ICP-MS 55 amu	10 ppt	n/a	M+	40Ar14N1H, 39K16O, 37Cl18O, 40Ar15N, 38Ar17O, 36Ar18O1H , 38Ar16O1H, 37Cl17O1H, 23Na32S

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 03, 2012
Expiration Date:

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

INORGANIC VENTURES™
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Christiansburg, VA 24073 · USA
inorganicventures.com
tel: 800.669.6799 · 540.585.3030
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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Sodium in 2% (v/v) HNO3**

Catalog Number:	CGNA10-1, CGNA10-2, and CGNA10-5
Lot Number:	**E2-NA03095**
Starting Material:	Na2CO3
Starting Material Purity (%):	99.9994
Starting Material Lot No:	C18157
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 9,986 ± 55 µg/mL - weighted mean

Certified Density: 1.033 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **9,983 ± 39 µg/mL**
ICP Assay NIST SRM 3152a Lot Number: 010728

Assay Method #2 **9,998 ± 18 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	0.002434	M	Dy	< 0.051831	O	Li	< 0.000030	M	Pr	< 0.002592	M	Te	< 0.259157
M	Sb	< 0.004319	M	Er	< 0.043193	M	Lu	< 0.003455	M	Re	< 0.008639	M	Tb	< 0.002592
M	As	< 0.086386	M	Eu	< 0.025916	O	Mg	0.003361	M	Rh	< 0.008639	M	Tl	< 0.008639
O	Ba	0.001043	M	Gd	< 0.008639	O	Mn	< 0.000030	M	Rb	< 0.008639	M	Th	< 0.008639
O	Be	< 0.000200	M	Ga	< 0.008639	O	Hg	< 0.015000	M	Ru	< 0.017277	M	Tm	< 0.003455
M	Bi	< 0.003455	O	Ge	< 0.001500	M	Mo	< 0.017277	M	Sm	< 0.008639	M	Sn	< 0.043193
O	B	< 0.000600	M	Au	< 0.025916	M	Nd	< 0.017277	O	Sc	< 0.000020	O	Ti	< 0.000700
M	Cd	< 0.025916	M	Hf	< 0.017277	O	Ni	< 0.002300	O	Se	< 0.050000	M	W	< 0.086386
O	Ca	0.026656	M	Ho	< 0.004319	M	Nb	< 0.004319	O	Si	0.008113	M	U	< 0.017277
M	Ce	< 0.043193	M	In	< 0.086386	n	Os		M	Ag	< 0.017277	O	V	< 0.000900
M	Cs	< 0.002592	M	Ir	< 0.043193	M	Pd	< 0.043193	S	Na		M	Yb	< 0.008639
M	Cr	< 0.043193	O	Fe	< 0.001100	O	P	< 0.040000	O	Sr	0.000174	M	Y	< 0.345543
M	Co	< 0.025916	M	La	< 0.004319	M	Pt	< 0.017277	O	S	< 0.072000	O	Zn	0.000116
O	Cu	< 0.001400	M	Pb	< 0.025916	O	K	0.023179	M	Ta	< 0.060470	M	Zr	< 0.043193

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of “working reference samples”
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 22.98977; +1; (6); Na+(aq) largely ionic in nature (Coordination Number in parentheses is assumed, not certain.)

Chemical Compatibility - Soluble in HCl, HNO3, H2SO4 and HF aqueous matrices. Stable with all metals and inorganic anions.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO3 / LDPE container.

Na Containing Samples (Preparation and Solution) - Metal (Dissolves very rapidly in water); Ores (Lithium carbonate fusion in graphite crucible followed by HCl dissolution - blank levels of Na in lithium carbonate critical); Organic Matrices (Sulfuric / peroxide digestion or nitric/sulfuric/perchloric acid decomposition).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 589.595 nm	0.07 / 0.00009 µg/mL	1	atom	2nd order radiation from R.E.s on some optical designs
ICP-OES 588.995 nm	0.03 / 0.006 µg/mL	1	atom	2nd order radiation from R.E.s on some optical designs
ICP-OES 330.237 nm	2.0 / 0.09 µg/mL	1	atom	Pd, Zn
ICP-MS 23 amu	310 ppt	n/a	M+	46Ti+2 , 46Ca+2

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: December 12, 2011

Expiration Date:

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 863.01 — ACCREDITED Reference Material Producer Certificate 863.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Nickel in 2% (v/v) HNO3**

Catalog Number:	CGNI1-1, CGNI1-2, and CGNI1-5
Lot Number:	**E2-NI02074**
Starting Material:	Ni pieces
Starting Material Purity (%):	99.9998
Starting Material Lot No:	1559
Matrix:	2% (v/v) HNO3

Received 11/12/12 JR

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,003 ± 5 µg/mL - weighted mean

Certified Density: 1.011 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	**Assay Method #1**	**1,002 ± 3 µg/mL** ICP Assay NIST SRM 3136 Lot Number: 000612
	Assay Method #2	**1,003 ± 3 µg/mL** EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	< 0.003000	M	Dy	< 0.070404	O	Li	< 0.000020	M	Pr	< 0.003520	M	Te	< 0.352022
M	Sb	< 0.005867	M	Er	< 0.058670	M	Lu	< 0.004694	M	Re	< 0.011734	M	Tb	< 0.003520
O	As	< 0.005400	M	Eu	< 0.035202	O	Mg	0.000033	M	Rh	< 0.011734	M	Tl	< 0.011734
M	Ba	< 0.117341	M	Gd	< 0.011734	M	Mn	< 0.046936	M	Rb	< 0.011734	M	Th	< 0.011734
O	Be	< 0.002000	M	Ga	< 0.011734	O	Hg	< 0.011000	M	Ru	< 0.023468	M	Tm	< 0.004694
M	Bi	< 0.004694	M	Ge	< 0.070404	M	Mo	< 0.023468	M	Sm	< 0.011734	M	Sn	< 0.058670
O	B	< 0.009900	M	Au	< 0.035202	M	Nd	< 0.023468	M	Sc	< 0.117341	M	Ti	< 0.586704
M	Cd	< 0.035202	M	Hf	< 0.023468	s	Ni		O	Se	< 0.006000	M	W	< 0.117341
O	Ca	0.000327	M	Ho	< 0.005867	M	Nb	< 0.005867	O	Si	< 0.003400	M	U	< 0.023468
M	Ce	< 0.058670	M	In	< 0.117341	n	Os		M	Ag	< 0.023468	M	V	< 0.023468
M	Cs	< 0.003520	M	Ir	< 0.058670	M	Pd	< 0.058670	O	Na	0.000435	M	Yb	< 0.011734
M	Cr	< 0.058670	O	Fe	0.000762	O	P	< 0.100000	M	Sr	< 0.005867	M	Y	< 0.469363
O	Co	< 0.002000	M	La	< 0.005867	M	Pt	< 0.023468	O	S	< 0.025000	M	Zn	< 0.234682
M	Cu	< 0.070404	M	Pb	< 0.035202	O	K	0.000163	M	Ta	< 0.082139	M	Zr	< 0.058670

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 58.69; +2; 6; Ni(H2O)62+

Chemical Compatibility - Stable in HCl, HNO3, H2SO4 ,HF, H3PO4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO3 / LDPE container.

Ni Containing Samples (Preparation and Solution) - Metal (Soluble in HNO3); Oxides (Soluble in HCl); Ores (Dissolve in HCl / HNO3).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 221.647 nm	0.01 / 0.0009 µg/mL	1	ion	Si
ICP-OES 232.003 nm	0.02 / 0.006 µg/mL	1	atom	Cr, Re, Os, Nb, Ag, Pt, Fe
ICP-OES 231.604 nm	0.02 / 0.002 µg/mL	1	ion	Sb, Ta, Co
ICP-MS 60 amu	100 ppt	n/a	M+	43Ca16O1H , 44Ca16O, 23Na37Cl

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 10, 2012

Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0	**DESCRIPTION OF CRM**	**1000 µg/mL Lead in 0.5% (v/v) HNO3**
	Catalog Number:	CGPB1-1, CGPB1-2, and CGPB1-5
	Lot Number:	**F2-PB03035**
	Starting Material:	Pb(NO3)2
	Starting Material Purity (%):	99.9998
	Starting Material Lot No:	1717
	Matrix:	0.5% (v/v) HNO3

Received 4/17/12

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,001 ± 5 µg/mL - weighted mean

Certified Density: 1.002 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	Assay Method #1	**1,000 ± 3 µg/mL** ICP Assay NIST SRM 3128 Lot Number: 101026
	Assay Method #2	**1,002 ± 3 µg/mL** EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	0.000477	M	Dy	< 0.017590	O	Li	0.000136	M	Pr	< 0.000880	M	Te	< 0.067952
M	Sb	< 0.001466	M	Er	< 0.014659	M	Lu	< 0.001173	M	Re	< 0.002932	M	Tb	< 0.000880
M	As	< 0.029317	M	Eu	< 0.008795	O	Mg	0.000102	O	Rh	< 0.009000	O	Tl	< 0.022000
O	Ba	0.000545	M	Gd	< 0.002932	M	Mn	< 0.011727	M	Rb	< 0.002932	M	Th	< 0.002932
M	Be	< 0.001466	M	Ga	< 0.002932	O	Hg	< 0.015000	M	Ru	< 0.005863	M	Tm	< 0.001173
O	Bi	< 0.020000	M	Ge	< 0.017590	M	Mo	< 0.005863	M	Sm	< 0.002932	M	Sn	< 0.014659
O	B	< 0.040000	M	Au	< 0.008795	M	Nd	< 0.005863	M	Sc	< 0.029317	M	Ti	< 0.146587
M	Cd	< 0.008795	M	Hf	< 0.005863	O	Ni	< 0.003000	M	Se	< 0.023454	M	W	< 0.029317
O	Ca	0.000682	M	Ho	< 0.001466	M	Nb	< 0.001466	O	Si	< 0.003400	M	U	< 0.005863
M	Ce	< 0.014659	M	In	< 0.029317	n	Os		M	Ag	< 0.005863	M	V	< 0.005863
M	Cs	< 0.000880	M	Ir	< 0.014659	M	Pd	< 0.014659	O	Na	< 0.006000	M	Yb	< 0.002932
M	Cr	< 0.014659	O	Fe	0.000545	O	P	< 0.005000	O	Sr	0.000204	M	Y	< 0.117270
M	Co	< 0.008795	M	La	< 0.001466	M	Pt	< 0.005863	O	S	< 0.100000	O	Zn	< 0.000200
M	Cu	< 0.017590	s	Pb		O	K	< 0.001800	M	Ta	< 0.020522	M	Zr	< 0.014659

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 207.2; +2; 6; $Pb(H_2O)_6^{+2}$

Chemical Compatibility - Soluble in HCl, HF and HNO_3. Avoid H_2SO_4. Stable with most metals and inorganic anions forming insoluble carbonate, borate, sulfate, sulfite, sulfide, phosphate, oxalate, chromate, tannate, iodate, and cyanide in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO_3 / LDPE container.

Pb Containing Samples (Preparation and Solution) - Metal (Best dissolved in 1:1 H_2O / HNO_3); Oxides (The many different Pb oxides are soluble in HNO_3 with the exception of PbO_2 which is soluble in HCl or HF); Ores and Alloys (Best attacked using 1:1 H_2O / HNO_3); Organic Matrices (Dry ash and dissolve in dilute HCl.).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 168.215 nm	0.03 / 0.003 µg/mL	1	ion	Co
ICP-OES 220.353 nm	0.04 / 0.006 µg/mL	1	ion	Bi, Nb
ICP-OES 217.000 nm	0.09 / 0.03 µg/mL	1	atom	W, Ir, Hf, Sb, Th
ICP-MS 208 amu	5 ppt	n/a	M+	192Pt16O, 192Os16O

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 10, 2012

Expiration Date:

EXPIRES
01/2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Zinc in 2% (v/v) HNO3**

Catalog Number:	CGZN1-1, CGZN1-2, and CGZN1-5
Lot Number:	**F2-ZN02075**
Starting Material:	Zn shot
Starting Material Purity (%):	99.9999
Starting Material Lot No:	1676 1677
Matrix:	2% (v/v) HNO3

Received 11/12/12 JR

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,000 ± 5 µg/mL - weighted mean

Certified Density: 1.007 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **998 ± 3 µg/mL**
ICP Assay NIST SRM 3168a Lot Number: 080123

Assay Method #2 **1,001 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.007000	M Dy < 0.031427	O Li < 0.000030	M Pr < 0.001571	M Te < 0.157134
M Sb < 0.002619	M Er < 0.026189	M Lu < 0.002095	M Re < 0.005238	M Tb < 0.001571
M As < 0.052378	M Eu < 0.015713	M Mg 0.000330	M Rh < 0.005238	M Tl 0.000020
M Ba < 0.052378	M Gd < 0.005238	O Mn < 0.000300	M Rb < 0.005238	M Th < 0.005238
M Be < 0.002619	M Ga < 0.005238	O Hg < 0.010000	M Ru < 0.010476	M Tm < 0.002095
M Bi < 0.002095	M Ge < 0.031427	M Mo < 0.010476	M Sm < 0.005238	M Sn < 0.026189
O B < 0.001000	M Au < 0.015713	M Nd < 0.010476	M Sc < 0.052378	M Ti < 0.261891
M Cd < 0.015713	M Hf < 0.010476	O Ni < 0.000900	M Se < 0.041903	M W < 0.052378
O Ca 0.000134	M Ho < 0.002619	M Nb < 0.002619	O Si < 0.004000	M U < 0.010476
M Ce < 0.026189	M In < 0.052378	n Os	M Ag < 0.010476	M V < 0.010476
M Cs < 0.001571	M Ir < 0.026189	M Pd < 0.026189	O Na 0.000153	M Yb < 0.005238
O Cr < 0.001000	O Fe < 0.001000	O P < 0.003000	M Sr < 0.002619	M Y < 0.209513
M Co < 0.015713	M La < 0.002619	M Pt < 0.010476	O S < 0.020000	s Zn
O Cu < 0.000500	M Pb < 0.015713	O K < 0.003000	M Ta < 0.036665	M Zr < 0.026189

M - Checked by ICP-MS O - Checked by ICP-OES I - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± °4C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 65.39; +2; 4; Zn(OH)(aq)1+

Chemical Compatibility - Stable in HCl, HNO3, H2SO4 ,HF, H3PO4 Avoid basic media that promotes the formation of insoluble carbonate and hydroxide. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO3 / LDPE container.

Zn Containing Samples (Preparation and Solution) - Metal (Soluble in HNO3); Oxides (Soluble in HCl); Ores (Dissolve in HCl /HNO3); Organic based (Dry ash at 450EC and dissolve ash in HCl) (Sulfuric/peroxide acid digestion)

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 213.856 nm	0.002 / 0.0004 µg/mL	1	atom	Ni, Cu, V
ICP-OES 202.548 nm	0.004 / 0.0002 µg/mL	1	ion	Nb, Cu, Co, Hf
ICP-OES 206.200 nm	0.006 / 0.0006 µg/mL	1	ion	Sb, Ta, Bi, Os
ICP-MS 66 amu	7 ppt	n/a	M+	50Ti16O,50Cr16O, 50V16O, 34S16O2, 32S16O18O, 32S17O2, 33S16O17O, 32S34S, 33S2

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 13, 2012

Expiration Date: EXPIRES: 01 Dec 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

Reference Materials Producer
Cert #2495.01

SPEXertificate®

Certificate of Reference Material

Chemical Testing
Cert #2495.02

Catalog Number: ZCAL-60-250 **Lot No.** 17-147CR

Description: Custom Claritas Standard

Matrix: 5% HNO_3 / Tr. Tart. Acid / Tr. HF

This CLARITAS PPT® Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for inorganic spectroscopic instrumentation such as ICP-OES, DCP, AA, ICP-MS, and XRF. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

The CRM is prepared from high purity single element concentrates of individual elements using Class A laboratory ware to give precise concentrations.

Instrumental Analysis by ICP Spectrometer:

Analyte	Labeled	Uncertainty	SRM	Analyte	Labeled	Uncertainty	SRM
Ca	1000 mg/L	±5 mg/L	3109a*	Co	2 mg/L	±0.01 mg/L	3113*
K	1000 mg/L	±5 mg/L	3141a*	Cr	2 mg/L	±0.01 mg/L	3112a*
Mg	1000 mg/L	±5 mg/L	3131a*	Cu	2 mg/L	±0.01 mg/L	3114*
Na	1000 mg/L	±5 mg/L	3152a*	Mo	2 mg/L	±0.01 mg/L	3134*
Fe	500 mg/L	±3 mg/L	3126a*	Ni	2 mg/L	±0.01 mg/L	3136*
Si	100 mg/L	±0.5 mg/L	3150*	Pb	2 mg/L	±0.01 mg/L	3128*
Al	10 mg/L	±0.05 mg/L	3101a*	Sb	2 mg/L	±0.01 mg/L	3102a*
Mn	10 mg/L	±0.05 mg/L	3132*	Se	2 mg/L	±0.01 mg/L	3149*
Ag	2 mg/L	±0.01 mg/L	3151*	Sn	2 mg/L	±0.01 mg/L	3161a*
As	2 mg/L	±0.01 mg/L	3103a*	Sr	2 mg/L	±0.01 mg/L	3153a*
B	2 mg/L	±0.01 mg/L	3107*	Tl	2 mg/L	±0.01 mg/L	3162a*
Ba	2 mg/L	±0.01 mg/L	3104a*	Tl	2 mg/L	±0.01 mg/L	3158*
Be	2 mg/L	±0.01 mg/L	3105a*	V	2 mg/L	±0.01 mg/L	3165*
Cd	2 mg/L	±0.01 mg/L	3108*	Zn	2 mg/L	±0.01 mg/L	3168a*

* - indicates NIST SRM † - indicates SPEX CertiPrep CRM (when NIST SRM is not available)

SPEX CertiPrep Reference Multi: Lot# ALL8

Trace Metallic Impurities in the Actual Solution via ICP/ICP-MS Analysis:

Element	µg/L	Element	µg/L	Element	µg/L	Element	µg/L	Element	µg/L	Element	µg/L
Au	<0.7	Ga	<3	Ir	20	Pd	<2	Sc	<1	Tm	<0.1
Bi	6	Gd	<0.01	La	1	Pr	<0.05	Sm	<0.4	U	<0.2
Ce	1	Ge	<6	Li	<30	Pt	<1	Ta	20	W	<7
Cs	<0.3	Hf	0.2	Lu	<0.05	Rb	40	Tb	0.1	Y	0.4
Dy	<0.2	Hg	<4	Nb	2	Re	<0.4	Te	<6	Yb	<0.3
Er	<0.2	Ho	<0.1	Nd	<0.2	Rh	<0.8	Th	0.4	Zr	<50
Eu	<0.1	In	<6	P	<400	Ru	<0.8				

Balances are calibrated regularly with weight sets traceable to NIST#s 32856, 32867 and others. This CRM is guaranteed stable and accurate to ±0.5% of the labeled value. This includes uncertainty components due to preparation, measurement, homogeneity, short-term and long-term stability, as well as transpiration loss. This guarantee is valid for a period of one year from the date of certification only when the material is kept tightly closed and stored under ambient laboratory conditions.

Date of Certification: DEC 2012 Certifying Officer:

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Rec 3B13

CERTIFICATE OF ANALYSIS

773262

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **Custom Solution**

Catalog No.: TAPITT-MSICSAB-1

Lot Number: **F2-MEB415033**

Matrix: 3% HNO3(v/v)

10 µg/mL ea:
Ba, Be, Pb, Sr, Tl, V

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Barium, Ba	10.00 ± 0.07 µg/mL	Beryllium, Be	10.00 ± 0.07 µg/mL	Lead, Pb	10.00 ± 0.06 µg/mL
Strontium, Sr	10.00 ± 0.06 µg/mL	Thallium, Tl	10.00 ± 0.06 µg/mL	Vanadium, V	10.00 ± 0.06 µg/mL

Certified Density: 1.014 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ba	Gravimetric		See Sec. 4.2
Ba	ICP Assay	3104a	070222
Be	Calculated		See Sec. 4.2
Be	ICP Assay	3105a	892707
Pb	ICP Assay	3128	030721
Pb	EDTA	928	928
Sr	ICP Assay	3153a	990906
Sr	EDTA	928	928
Tl	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	993012
V	ICP Assay	3165	992706
V	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- SAI Global File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Technical Process Director

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

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Rec 3B13

CERTIFICATE OF ANALYSIS

773263

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **Custom Solution**

Catalog No.: TAPITT-MSICSAB-2

Lot Number: **G2-MEB467043**

Matrix: 3% HNO3(v/v), tr. HF

250 µg/mL ea:
Si,

50 µg/mL ea:
Sn,

25 µg/mL ea:
B, Se,

10 µg/mL ea:
Sb

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	10.00 ± 0.06 µg/mL	Boron, B	24.98 ± 0.17 µg/mL	Selenium, Se	25.01 ± 0.21 µg/mL
Silicon, Si	249.9 ± 1.6 µg/mL	Tin, Sn	50.04 ± 0.36 µg/mL		

Certified Density: 1.018 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$

2 = the coverage factor.

$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	070514
Sb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102A	061229
Se	Calculated		See Sec. 4.2
Se	ICP Assay	3149	992106
Si	Calculated		See Sec. 4.2
Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2
Sn	ICP Assay	3161a	070330

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- SAI Global File Number 010105

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- Chemical Testing - Accredited A2LA Certificate Number 883.01

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- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 08, 2013

Expiration Date: EXPIRES 01APR2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Technical Process Director

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-ICPMS

Lot Number: **G2-MEB455121**

Matrix: 0.7% HNO3(v/v)

200 µg/mL ea:
Al, Ba,

100 µg/mL ea:
B, Fe, Sr,

50 µg/mL ea:
Co, Mn, Ni, V, Zn,

25 µg/mL ea:
Cu,

20 µg/mL ea:
Cr3,

5 µg/mL ea:
Ag, Be, Cd, Tl,

4 µg/mL ea:
As,

2 µg/mL ea:
Pb,

1 µg/mL ea:
Se

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	200.1 ± 1.3 µg/mL	Arsenic, As	4.001 ± 0.026 µg/mL	Barium, Ba	200.0 ± 1.3 µg/mL
Beryllium, Be	5.001 ± 0.028 µg/mL	Boron, B	100.0 ± 0.7 µg/mL	Cadmium, Cd	5.001 ± 0.032 µg/mL
Chromium+3, Cr3	20.01 ± 0.13 µg/mL	Cobalt, Co	50.02 ± 0.33 µg/mL	Copper, Cu	25.00 ± 0.17 µg/mL
Iron, Fe	100.0 ± 0.6 µg/mL	Lead, Pb	2.000 ± 0.013 µg/mL	Manganese, Mn	50.01 ± 0.32 µg/mL
Nickel, Ni	50.01 ± 0.33 µg/mL	Selenium, Se	1.001 ± 0.007 µg/mL	Silver, Ag	5.001 ± 0.032 µg/mL
Strontium, Sr	100.0 ± 0.6 µg/mL	Thallium, Tl	5.001 ± 0.032 µg/mL	Vanadium, V	50.00 ± 0.35 µg/mL
Zinc, Zn	50.00 ± 0.33 µg/mL				

Certified Density: 1.005 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i= individual results

n = number of measurements

Uncertainty $(\pm) = 2 [\Sigma(s_i)^2]^{\frac{1}{2}}$ 2 = the coverage factor.

$[\Sigma(s_i)^2]^{\frac{1}{2}}$ = The square root of the sum of the squares of the most common errors (where's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212	Ag	Volhard	999b	999b
Al	ICP Assay	3101a	060502	Al	EDTA	928	928
As	Calculated		See Sec. 4.2	As	ICP Assay	3103a	100818
B	ICP Assay	3107	070514	Ba	Gravimetric		See Sec. 4.2
Ba	ICP Assay	3104a	070222	Be	Calculated		See Sec. 4.2
Be	ICP Assay	3105a	090514	Cd	ICP Assay	3108	060531
Cd	EDTA	928	928	Co	ICP Assay	3113	00630
Co	EDTA	928	928	Cr3	Calculated		See Sec. 4.2
Cr3	ICP Assay	3112a	030730	Cu	ICP Assay	3114	011017
Cu	EDTA	928	928	Fe	ICP Assay	3126a	051031
Fe	EDTA	928	928	Mn	ICP Assay	3132	050429
Mn	EDTA	928	928	Ni	ICP Assay	3136	000612
Ni	EDTA	928	928	Pb	ICP Assay	3128	101026
Pb	EDTA	928	928	Se	Calculated		See Sec. 4.2
Se	ICP Assay	3149	100901	Sr	ICP Assay	3153a	990906
Sr	EDTA	928	928	Tl	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	993012	V	ICP Assay	3165	992706
V	EDTA	928	928	Zn	ICP Assay	3168a	080123
Zn	EDTA	928	928				

4.2 **BALANCE CALIBRATION -** All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION -** All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION -** An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 09, 2013

Expiration Date: EXPIRES 01/2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Christy Shortridge
Product Documentation Technician

Christy Shortridge

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Brian Alexander

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

Paul R Gaines

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CERTIFICATE OF ANALYSIS

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info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 863.01

ACCREDITED Reference Material Producer Certificate 863.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-ICPMS

Lot Number: **E2-MEB379097**

Matrix: 0.7% HNO3(v/v)

200 µg/mL ea:
Al, Ba,

100 µg/mL ea:
B, Fe, Sr,

50 µg/mL ea:
Co, Mn, Ni, V, Zn,

25 µg/mL ea:
Cu,

20 µg/mL ea:
Cr3,

5 µg/mL ea:
Ag, Be, Cd, Tl,

4 µg/mL ea:
As,

2 µg/mL ea:
Pb,

1 µg/mL ea:
Se

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	200.0 ± 1.1 µg/mL	Arsenic, As	4.001 ± 0.016 µg/mL	Barium, Ba	200.0 ± 1.5 µg/mL
Beryllium, Be	5.000 ± 0.030 µg/mL	Boron, B	100.0 ± 0.5 µg/mL	Cadmium, Cd	5.000 ± 0.020 µg/mL
Chromium+3, Cr3	20.01 ± 0.15 µg/mL	Cobalt, Co	50.00 ± 0.33 µg/mL	Copper, Cu	25.01 ± 0.07 µg/mL
Iron, Fe	100.0 ± 0.6 µg/mL	Lead, Pb	2.001 ± 0.004 µg/mL	Manganese, Mn	50.00 ± 0.38 µg/mL
Nickel, Ni	50.01 ± 0.31 µg/mL	Selenium, Se	1.000 ± 0.004 µg/mL	Silver, Ag	5.000 ± 0.025 µg/mL
Strontium, Sr	100.1 ± 0.5 µg/mL	Thallium, Tl	5.000 ± 0.020 µg/mL	Vanadium, V	50.00 ± 0.39 µg/mL
Zinc, Zn	50.00 ± 0.16 µg/mL				

Certified Density: 1.006 g/mL (measured at 20 ± 1° C)

uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty (±) = $\frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$ Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212
Al	ICP Assay	3101a	060502
As	Calculated		See Sec. 4.2
B	ICP Assay	3107	070514
Ba	ICP Assay	3104a	070222
Be	ICP Assay	3105a	892707
Cd	EDTA	928	928
Co	EDTA	928	928
Cr3	ICP Assay	3112a	030730
Cu	EDTA	928	928
Fe	EDTA	928	928
Mn	EDTA	928	928
Ni	EDTA	928	928
Pb	EDTA	928	928
Se	ICP Assay	3149	992106
Sr	EDTA	928	928
Tl	ICP Assay	3158	993012
V	EDTA	928	928
Zn	EDTA	928	928

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	Volhard	999b	999b
Al	EDTA	928	928
As	ICP Assay	3103a	010713
Ba	Gravimetric		See Sec. 4.2
Be	Calculated		See Sec. 4.2
Cd	ICP Assay	3108	060531
Co	ICP Assay	3113	00630
Cr3	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	011017
Fe	ICP Assay	3126a	051031
Mn	ICP Assay	3132	050429
Ni	ICP Assay	3136	000612
Pb	ICP Assay	3128	030721
Se	Calculated		See Sec. 4.2
Sr	ICP Assay	3153a	990906
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	992706
Zn	ICP Assay	3168a	080123

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 **ISO 9001 Quality Management System Registration**
- QMI File Number 010105

10.2 **ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"**
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 **ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"**
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 **10CFR50 Appendix B - Nuclear Regulatory Commission**
- Domestic Licensing of Production and Utilization Facilities

10.5 **10CFR21 - Nuclear Regulatory Commission**
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: June 16, 2011

Expiration Date: EXPIRES 01 FEB 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Donna Senn

Certificate Approved By: Madeline Gozzi
Quality Control Supervisor

Madeline Gozzi

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

Paul R Gaines

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fax: 540.585.3012
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CERTIFICATE OF ANALYSIS

CH 2/14/13

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-A

Lot Number: **G2-MEB458093**

Matrix: 3% HNO3(v/v)

5,000 µg/mL ea:
Ca, K, Mg, Na

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Calcium, Ca	5,000 ± 35 µg/mL	Magnesium, Mg	5,000 ± 33 µg/mL	Potassium, K	5,000 ± 37 µg/mL
Sodium, Na	5,000 ± 34 µg/mL				

Certified Density: 1.073 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$

2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

· The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ca	ICP Assay	3109a	050825	Ca	EDTA	928	928
K	Gravimetric		See Sec. 4.2	K	ICP Assay	3141a	051220
Mg	ICP Assay	3131a	050302	Mg	EDTA	928	928
Na	Gravimetric		See Sec. 4.2	Na	ICP Assay	3152a	010728

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
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- Reference Materials Production - Accredited A2LA Certificate Number 883.02

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- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

Page 747 of 3505

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 01, 2013

Expiration Date: EXPIRES 01 MAR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Zach Saunders
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

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CERTIFICATE OF ANALYSIS

CH 2/14/13

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ACCREDITED Testing Laboratory Certificate 863.01
ACCREDITED Reference Material Producer Certificate 863.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-C

Lot Number: **G2-MEB458094**

Matrix: 3% HNO3(v/v), tr. HF

1,000 µg/mL ea:
Si,

200 µg/mL ea:
Sn,

100 µg/mL ea:
Mo, Ti,

50 µg/mL ea:
Sb

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	50.02 ± 0.38 µg/mL	Molybdenum, Mo	100.0 ± 0.7 µg/mL	Silicon, Si	1,000 ± 7 µg/mL
Tin, Sn	200.0 ± 1.4 µg/mL	Titanium, Ti	100.1 ± 0.7 µg/mL		

Certified Density: 1.020 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$

2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

· The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Mo	Calculated		See Sec. 4.2	Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2	Sb	ICP Assay	3102A	061229
Si	Calculated		See Sec. 4.2	Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2	Sn	ICP Assay	3161a	070330
Ti	ICP Assay	3162a	060808				

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep Tightly sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 01, 2013

Expiration Date: EXPIRES 01 MAR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Zach Saunders
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

RESTEK

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www.Restek.com

Rcvd 8/28/12 PM

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31661 **Lot No.:** A085338

Description : 3,5-Dinitroaniline Standard

SV Stock Solution, 3,5-Dinitroaniline Std, 1000µg/ml, Acetonitrile, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] July 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	3,5-Dinitroaniline	618-87-1	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
Solvent:	Acetonitrile	75-05-8	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

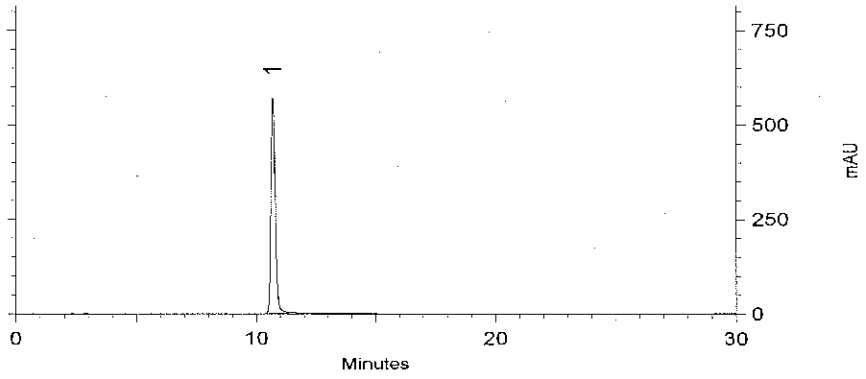
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 02-Dec-2011 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

Rcvd 8/28/17 RM

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31452 **Lot No.:** A087054

Description : 8330 Internal Standard Mix

8330 Internal Std 3, 4-Dinitrotoluene 1000ug/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 2017 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	3,4-Dinitrotoluene	1,000.0 ug/mL	+/- 5.9397	ug/mL	Gravimetric
	CAS # 610-39-9		+/- 12.1149	ug/mL	Unstressed
	Purity 99%		+/- 13.6550	ug/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

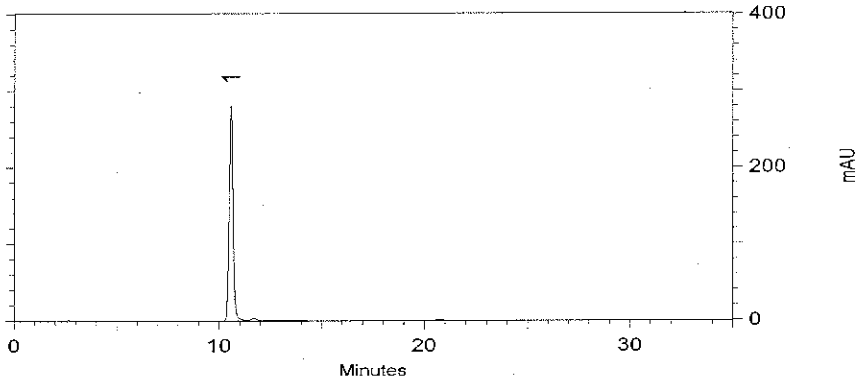
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Valerie N. Walters - QA Analyst

Date Passed: 06-Apr-2012 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31452 **Lot No.:** A087054

Description : 8330 Internal Standard Mix

8330 Internal Std 3, 4-Dinitrotoluene 1000ug/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 2017 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	3,4-Dinitrotoluene	1,000.0 ug/mL	+/- 5.9397	ug/mL	Gravimetric
	CAS # 610-39-9		+/- 12.1149	ug/mL	Unstressed
	Purity 99%		+/- 13.6550	ug/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

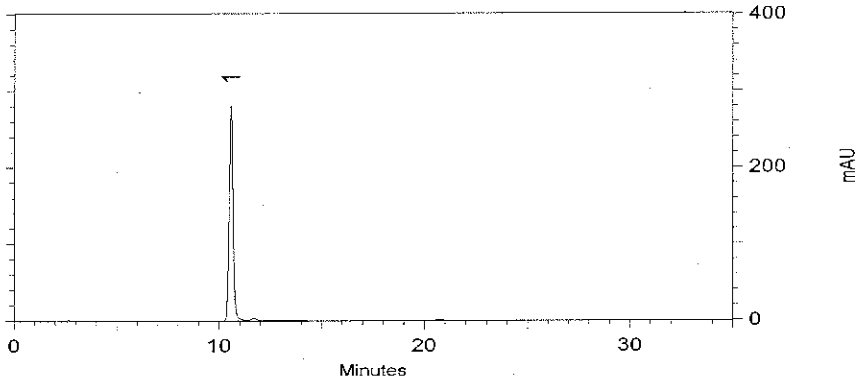
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Valerie N. Walters - QA Analyst

Date Passed: 06-Apr-2012 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
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0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Rcvd 8/28/12

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 33905 **Lot No.:** A084334

Description : 8330 Calibration Standard

Nitroaromatics and Nitramine Explosives by HPLC, 1,000µg/ml, Acetonitrile, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2015 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	HMX	2691-41-0	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
2	RDX	121-82-4	98%	999.6 ug/mL	+/- 5.9373 ug/mL
3	1,3,5-Trinitrobenzene	99-35-4	98%	999.6 ug/mL	+/- 5.9373 ug/mL
4	1,3-Dinitrobenzene	99-65-0	97%	1,000.1 ug/mL	+/- 5.9401 ug/mL
5	Nitrobenzene	98-95-3	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
6	Tetryl	479-45-8	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
7	2,4,6-Trinitrotoluene	118-96-7	98%	999.6 ug/mL	+/- 5.9373 ug/mL
8	2-Amino-4,6-dinitrotoluene	35572-78-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
9	4-Amino-2,6-dinitrotoluene	19406-51-0	98%	999.6 ug/mL	+/- 5.9373 ug/mL
10	2,4-Dinitrotoluene	121-14-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
11	2,6-Dinitrotoluene	606-20-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
12	2-Nitrotoluene	88-72-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
13	4-Nitrotoluene	99-99-0	97%	970.0 ug/mL	+/- 5.7615 ug/mL
14	3-Nitrotoluene	99-08-1	97%	1,000.1 ug/mL	+/- 5.9401 ug/mL

Solvent: Acetonitrile 75-05-8 99%

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

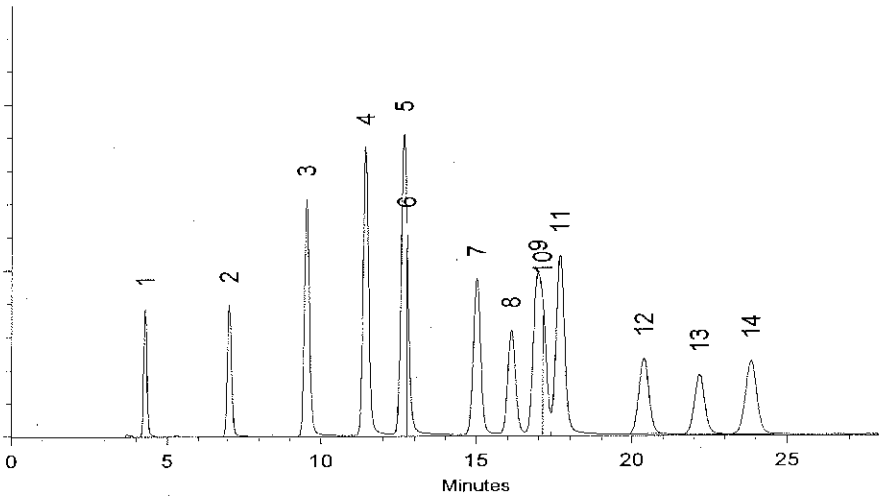
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 22-Nov-2011 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

Note:

Baynes, Jason

From: Jen Massey [massey@msi.ucsb.edu]
Sent: Wednesday, March 28, 2012 1:17 PM
To: Baynes, Jason
Cc: Georges Paradis
Subject: CHN results (AL3786)



AL3806 report.xls
(21 KB)

Hi Jason,

Attached are the data for the sample that was submitted for rushed CHN analysis on March 19th.

We were hesitant to dry your sample in a drying oven considering the flash point of nitrocellulose. We dried the sample over the weekend in a desiccator purged with dry N2 and analyzed your sample in triplicate.

Those data showed no improvement in precision when compared to your initial submission. We decided to take a very small subsample and isolate it a 60°C drying oven overnight to try and rid of residual water. The precision is much better using this drying technique. Those data are attached.

Please feel free to contact us with any questions.

Take care,
Jen

-
Jennifer Massey
Staff Research Associate
massey@msi.ucsb.edu
Voice: 805-893-3802
Fax: 805-893-2122

Analytical Lab
Marine Science Institute
University of California
Santa Barbara, CA 93106-6150
http://www.msi.ucsb.edu/services/analytical-lab
-

Sample Batch: Baynes AL3806					Run Date: 28-Mar-12	
Sample ID	Wt. (ug)	Weight Percent			C/N ratio	Flags
		C	H	N		
rep 1	1867	23.9	2.19	11.9	2.02	
rep 2	1865	24.0	2.31	11.8	2.03	
rep 3	1871	24.1	2.35	11.9	2.02	

Recd 11/27/12

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Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31498 **Lot No.:** A087039

Description : Nitroglycerin Standard

1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED EX GROUND ONLY

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 2017 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Nitroglycerin	1,000.0 ug/mL	+/- 5.8686	ug/mL	Gravimetric
	CAS # 55-63-0		+/- 32.1907	ug/mL	Unstressed
	Purity 99%		+/- 44.7599	ug/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Recd 11/27/12

HPNQTA-00001

5

10

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. :	31602	**Lot No.:**	A076817
Description :	Nitroguanidine Standard		
Container Size :	2 mL	**Pkg Amt:**	> 1 mL
Expiration Date : [1]	September 2015	**Storage:**	Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	% Grav.Uncert. [4] (95% C.L., K=2)
1	Nitroguanidine	556-88-7	99%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

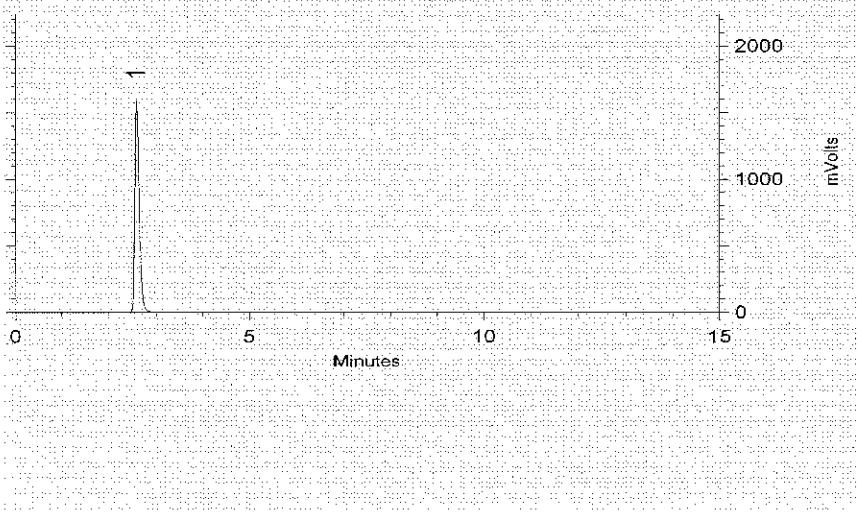
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 16-Sep-2010 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: M-8330-ADD-6
Description: Nitroguanidine
Lot: 211111014
Solvent: Methanol

Date Certified: Nov 1, 2011
Expiration: Nov 1, 2013
Sample Size: 1 mL
Storage Condition: Freeze (<-10° C)
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (HPLC)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Nitroguanidine	556-88-7	100	100.5	100.5

Rcvd 5/25/12

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822-275872-11
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

Rcvd 3/20/12

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Certificate of Analysis

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ACCREDITED Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31499 **Lot No.:** A086505

Description : Picric Acid Standard

1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED EX GROUND ONLY

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2017 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Picric Acid	1,000.0 ug/mL	+/- 5.9397	ug/mL	Gravimetric
	CAS # 88-89-1		+/- 32.2037	ug/mL	Unstressed
	Purity 99%		+/- 44.7693	ug/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.53mm x 0.5um
Rtx-5 (cat.# 10240)

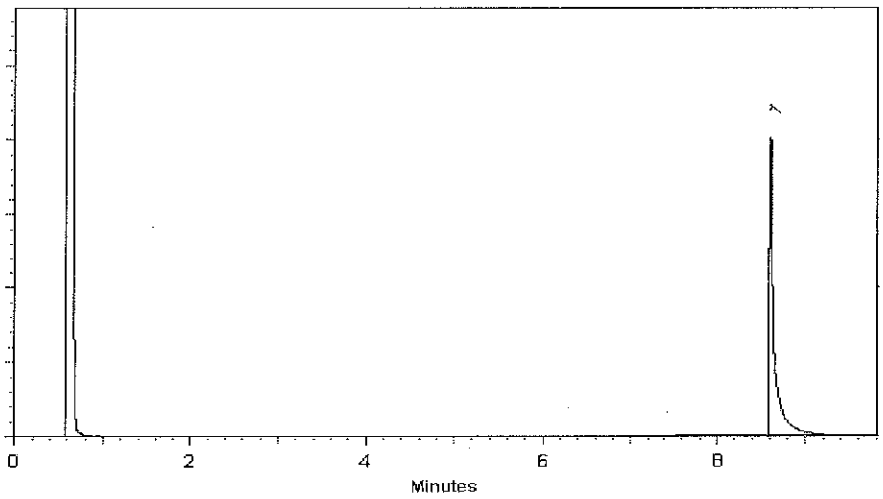
Carrier Gas:
hydrogen-constant flow 11 mL/min

Temp. Program:
70°C (hold 2 min.) to 225°C
@ 20°C/min.

Inj. Temp:
cold on-column

Det. Temp:
335°C

Det. Type:
FID



Valerie N. Walters - QA Analyst

Date Passed: 16-Mar-2012 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Rcvd 8/28/12/mm

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31600 **Lot No.:** A085138

Description : PETN Standard

SV Mix, PETN Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	PETN	78-11-5	99%	1,000.0 ug/mL	+/- 5.8686 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

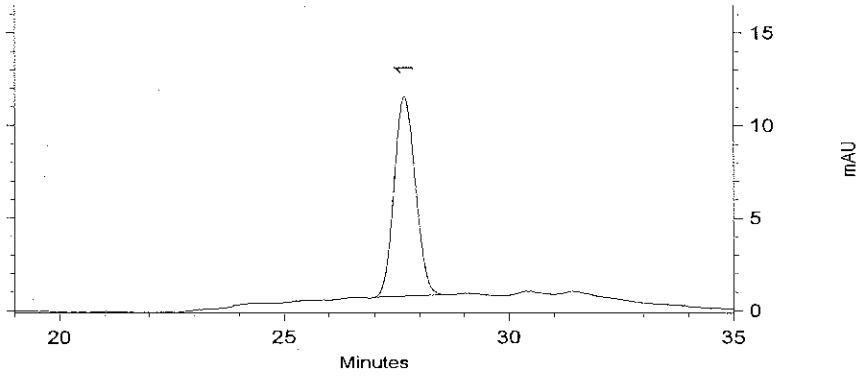
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 23-Nov-2011 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

ERA

A Waters Company

Scanned 4-18-13

Certificate of Analysis

PRODUCT:	1000 mg/L Nitrate as N (NO_3-N)
CATALOG NUMBER:	052 -125 mL; 991 - 500 mL
LOT NUMBER:	480412
ISSUE DATE:	June 8, 2012
REVISION DATE:	Original
STARTING MATERIAL:	Potassium Nitrate (KNO_3)
CERTIFIED CONCENTRATION[1]:	1000 mg/L
UNCERTAINTY[2]:	0.6%
MATRIX:	18 megohm deionized water
DENSITY:	1.0028 ± 0.0008 g/mL at 21.5°C and 766 mm Hg
TRACEABILITY[3]:	101%
NIST/SRM:	3185 Nitrate
VERIFICATION METHOD:	Ion Chromatography
STORAGE:	Store at 20-25°C

1. The **Certified Concentration** is the actual made-to concentration confirmed by ERA analytical verification.

2. The stated **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor which is equal to the student t factor at a 95% confidence interval at n-1 degrees of freedom. The uncertainty applies to the product as supplied and does not take into account any required or optional dilutions and/or preparations the laboratory may perform while using this product.

3. Traceability Recovery = ((% Recovery certified standard)/(% Recovery NIST SRM))*100.

   The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

This standard **expires 5/2014**. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

This product is intended to be used as either a calibration standard or a quality control check of the entire analytical process for the analytes/matrix included in the standard.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or email to info@eraqc.com

Certifying Officer: Tom Widera

ACCREDITED

REFERENCE MATERIAL PRODUCER
CERT # 1539.03

16341 Table Mtn Pkwy, Golden, CO 80403 800-372-0122 fax: 303-421-0159 www.eraqc.com

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-22663-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAP	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAP	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAP	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190
TestAmerica Pittsburgh	Arkansas DEQ	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAP	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAP	4	E871008
TestAmerica Pittsburgh	Illinois	NELAP	5	002602
TestAmerica Pittsburgh	L-A-B	DoD ELAP		L2314
TestAmerica Pittsburgh	Louisiana	NELAP	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAP	1	203011
TestAmerica Pittsburgh	New Jersey	NELAP	2	PA005
TestAmerica Pittsburgh	New York	NELAP	2	11182
TestAmerica Pittsburgh	North Carolina DENR	State Program	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAP	3	02-00416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014
TestAmerica Pittsburgh	US Fish & Wildlife	Federal		LE94312A-1
TestAmerica Pittsburgh	USDA	Federal		P330-10-00139
TestAmerica Pittsburgh	USDA	Federal		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAP	8	STLP
TestAmerica Pittsburgh	Virginia	NELAP	3	460189
TestAmerica Pittsburgh	West Virginia DEP	State Program	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800
TestAmerica Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica Sacramento	Alaska (UST)	State Program	10	UST-055
TestAmerica Sacramento	Arizona	State Program	9	AZ0708
TestAmerica Sacramento	Arkansas DEQ	State Program	6	88-0691
TestAmerica Sacramento	California	NELAP	9	1119CA
TestAmerica Sacramento	Colorado	State Program	8	N/A
TestAmerica Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica Sacramento	Florida	NELAP	4	E87570
TestAmerica Sacramento	Guam	State Program	9	N/A
TestAmerica Sacramento	Hawaii	State Program	9	N/A
TestAmerica Sacramento	Illinois	NELAP	5	200060
TestAmerica Sacramento	Kansas	NELAP	7	E-10375
TestAmerica Sacramento	Louisiana	NELAP	6	30612

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-22663-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Sacramento	Michigan	State Program	5	9947
TestAmerica Sacramento	Nevada	State Program	9	CA44
TestAmerica Sacramento	New Jersey	NELAP	2	CA005
TestAmerica Sacramento	New York	NELAP	2	11666
TestAmerica Sacramento	Northern Mariana Islands	State Program	9	MP0007
TestAmerica Sacramento	Oregon	NELAP	10	CA200005
TestAmerica Sacramento	Pennsylvania	NELAP	3	68-01272
TestAmerica Sacramento	South Carolina	State Program	4	87014
TestAmerica Sacramento	Texas	NELAP	6	T104704399-08-TX
TestAmerica Sacramento	US Fish & Wildlife	Federal		LE148388-0
TestAmerica Sacramento	USDA	Federal		P330-11-00436
TestAmerica Sacramento	USEPA UCMR	Federal	1	CA00044
TestAmerica Sacramento	Utah	NELAP	8	QUAN1
TestAmerica Sacramento	Washington	State Program	10	C581
TestAmerica Sacramento	West Virginia	State Program	3	9930C
TestAmerica Sacramento	West Virginia DEP	State Program	3	334
TestAmerica Sacramento	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MRL 240-80954/5	85	90	87	84
	MRL 240-80954/32	85	96	90	86

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
079SB-0014M-0001-SO	240-22663-4	78	91	86	83 Q
079SB-0017M-0001-SO	240-22663-7	75	90	87	101
073SB-0041M-0001-SO	240-22663-17	76	90	87	88
079SB-0026M-0001-SO	240-22663-26	69	88	73 Q	68 Q
079SB-0028M-0001-SO	240-22663-28	74	88	84 Q	85
	MB 240-80954/7	85	92	89	86
	LCS 240-80954/6	91	91	89	89

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	59-138
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MRL 240-81013/5	98	93	92	89
	MRL 240-81013/21	96	94	93	91

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
068SB-0026-0001-TB	240-22663-30	99	92	86	80
	MB 240-81013/6	98	92	90	81
	LCS 240-81013/4	94	91	94	100

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 141831.D

Lab ID: LCS 240-80954/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2-Butanone (MEK)	100	92.3	92	30-160	
Acetone	100	103	103	20-160	
Benzene	50.0	50.6	101	75-125	
Bromoform	50.0	42.9	86	55-135	
Bromomethane	50.0	54.5	109	30-160	
Carbon disulfide	50.0	47.4	95	45-160	
Carbon tetrachloride	50.0	51.9	104	65-135	
1,1-Dichloroethane	50.0	50.8	102	75-125	
Chlorobenzene	50.0	47.9	96	75-125	
1,2-Dichloroethane	50.0	49.3	99	70-135	
Chloromethane	50.0	45.2	90	50-130	
1,1-Dichloroethene	50.0	54.8	110	65-135	
cis-1,3-Dichloropropene	50.0	44.8	90	70-125	
Dibromochloromethane	50.0	42.5	85	65-130	
1,2-Dichloropropane	50.0	50.9	102	70-120	
Bromodichloromethane	50.0	44.0	88	70-130	
Ethylbenzene	50.0	50.1	100	75-125	
2-Hexanone	100	90.6	91	45-145	
Methylene Chloride	50.0	62.8	126	55-140	
4-Methyl-2-pentanone (MIBK)	100	93.2	93	45-145	
Styrene	50.0	50.2	100	75-125	
1,1,2,2-Tetrachloroethane	50.0	50.6	101	55-130	
Tetrachloroethene	50.0	51.0	102	65-140	
Toluene	50.0	49.8	100	70-125	
Chloroform	50.0	51.8	104	70-125	
trans-1,3-Dichloropropene	50.0	44.9	90	65-125	
1,1,1-Trichloroethane	50.0	51.9	104	70-135	
Bromochloromethane	50.0	51.6	103	70-125	
1,1,2-Trichloroethane	50.0	48.7	97	60-125	
Trichloroethene	50.0	49.1	98	75-125	
Vinyl chloride	50.0	50.5	101	60-125	
Chloroethane	50.0	58.4	117	40-155	
Xylenes, Total	150	147	98	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR3282.D

Lab ID: LCS 240-81013/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2-Butanone (MEK)	20.0	20.0	100	30-150	
Acetone	20.0	15.5	78	40-140	
Benzene	10.0	9.89	99	80-120	
Bromoform	10.0	10.7	107	70-130	
Bromomethane	10.0	6.68	67	30-145	
Carbon disulfide	10.0	9.29	93	35-160	
Carbon tetrachloride	10.0	9.52	95	65-140	
1,1-Dichloroethane	10.0	9.63	96	70-135	
Chlorobenzene	10.0	9.72	97	80-120	
1,2-Dichloroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	9.84	98	40-125	
1,1-Dichloroethene	10.0	9.25	92	70-130	
cis-1,3-Dichloropropene	10.0	9.36	94	70-130	
Dibromochloromethane	10.0	10.6	106	60-135	
1,2-Dichloropropane	10.0	9.98	100	75-125	
Bromodichloromethane	10.0	10.6	106	75-120	
Ethylbenzene	10.0	9.51	95	75-125	
2-Hexanone	20.0	21.2	106	55-130	
Methyl tert-butyl ether	10.0	10.2	102	65-125	
Methylene Chloride	10.0	9.88	99	55-140	
4-Methyl-2-pentanone (MIBK)	20.0	22.0	110	60-135	
Styrene	10.0	10.1	101	65-135	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	65-130	
Tetrachloroethene	10.0	9.51	95	45-150	
Toluene	10.0	9.42	94	75-120	
Chloroform	10.0	9.60	96	65-135	
trans-1,3-Dichloropropene	10.0	9.71	97	55-140	
1,1,1-Trichloroethane	10.0	9.36	94	65-130	
Bromochloromethane	10.0	10.0	100	65-130	
1,1,2-Trichloroethane	10.0	10.3	103	75-125	
Trichloroethene	10.0	10.2	102	70-125	
Vinyl chloride	10.0	9.88	99	50-145	
Chloroethane	10.0	8.71	87	60-135	
Xylenes, Total	30.0	29.4	98	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 141830.D

Lab ID: MRL 240-80954/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2-Butanone (MEK)	0.0100	0.00907 J	91	70-130	
Acetone	0.0100	0.0171	171	70-130	^
Benzene	0.00500	0.00491	98	70-130	
Bromoform	0.00500	0.00569	114	70-130	
Bromomethane	0.00500	0.00607	121	70-130	
Carbon disulfide	0.00500	0.00593	119	70-130	
Carbon tetrachloride	0.00500	0.00387	77	70-130	
1,1-Dichloroethane	0.00500	0.00463	93	70-130	
Chlorobenzene	0.00500	0.00483	97	70-130	
1,2-Dichloroethane	0.00500	0.00488	98	70-130	
Chloromethane	0.00500	0.00496	99	70-130	
1,1-Dichloroethene	0.00500	0.00468	94	70-130	
cis-1,3-Dichloropropene	0.00500	0.00409	82	70-130	
Dibromochloromethane	0.00500	0.00604	121	70-130	
1,2-Dichloropropane	0.00500	0.00489	98	70-130	
Bromodichloromethane	0.00500	0.00398	80	70-130	
Ethylbenzene	0.00500	0.00473	95	70-130	
2-Hexanone	0.0100	0.00953 J	95	70-130	
Methylene Chloride	0.00500	0.0197	395	70-130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00862 J	86	70-130	
Styrene	0.00500	0.00429	86	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00486	97	70-130	
Tetrachloroethene	0.00500	0.00479	96	70-130	
Toluene	0.00500	0.00479	96	70-130	
Chloroform	0.00500	0.00473	95	70-130	
trans-1,3-Dichloropropene	0.00500	0.00388	78	70-130	
1,1,1-Trichloroethane	0.00500	0.00421	84	70-130	
Bromochloromethane	0.00500	0.00480	96	70-130	
1,1,2-Trichloroethane	0.00500	0.00472	94	70-130	
Trichloroethene	0.00500	0.00476	95	70-130	
Vinyl chloride	0.00500	0.00522	104	70-130	
Chloroethane	0.00500	0.00612	122	70-130	
Xylenes, Total	0.0100	0.00900	90	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 141856.D

Lab ID: MRL 240-80954/32 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2-Butanone (MEK)	0.0100	0.0108	108	70-130	
Acetone	0.0100	0.0179	179	70-130	^
Benzene	0.00500	0.00546	109	70-130	
Bromoform	0.00500	0.00572	114	70-130	
Bromomethane	0.00500	0.00646	129	70-130	
Carbon disulfide	0.00500	0.00567	113	70-130	
Carbon tetrachloride	0.00500	0.00396	79	70-130	
1,1-Dichloroethane	0.00500	0.00516	103	70-130	
Chlorobenzene	0.00500	0.00514	103	70-130	
1,2-Dichloroethane	0.00500	0.00567	113	70-130	
Chloromethane	0.00500	0.00528	106	70-130	
1,1-Dichloroethene	0.00500	0.00452	90	70-130	
cis-1,3-Dichloropropene	0.00500	0.00412	82	70-130	
Dibromochloromethane	0.00500	0.00609	122	70-130	
1,2-Dichloropropane	0.00500	0.00561	112	70-130	
Bromodichloromethane	0.00500	0.00437	87	70-130	
Ethylbenzene	0.00500	0.00505	101	70-130	
2-Hexanone	0.0100	0.00935 J	93	70-130	
Methylene Chloride	0.00500	0.0114	227	70-130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00983 J	98	70-130	
Styrene	0.00500	0.00454	91	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00520	104	70-130	
Tetrachloroethene	0.00500	0.00541	108	70-130	
Toluene	0.00500	0.00531	106	70-130	
Chloroform	0.00500	0.00512	102	70-130	
trans-1,3-Dichloropropene	0.00500	0.00383	77	70-130	
1,1,1-Trichloroethane	0.00500	0.00452	90	70-130	
Bromochloromethane	0.00500	0.00514	103	70-130	
1,1,2-Trichloroethane	0.00500	0.00556	111	70-130	
Trichloroethene	0.00500	0.00511	102	70-130	
Vinyl chloride	0.00500	0.00548	110	70-130	
Chloroethane	0.00500	0.00485	97	70-130	
Xylenes, Total	0.0100	0.00979	98	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR3283.D

Lab ID: MRL 240-81013/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2-Butanone (MEK)	0.0100	0.00973 J	97	70-130	
Acetone	0.0100	0.00883 J	88	70-130	
Benzene	0.00100	0.00116	116	70-130	
Bromoform	0.00100	0.00103	103	70-130	
Bromomethane	0.00100	0.000930 J	93	70-130	
Carbon disulfide	0.00100	0.00106	106	70-130	
Carbon tetrachloride	0.00100	0.00104	104	70-130	
1,1-Dichloroethane	0.00100	0.00111	111	70-130	
Chlorobenzene	0.00100	0.00111	111	70-130	
1,2-Dichloroethane	0.00100	0.00120	120	70-130	
Chloromethane	0.00100	0.00116	116	70-130	
1,1-Dichloroethene	0.00100	0.00106	106	70-130	
cis-1,3-Dichloropropene	0.00100	0.00131	131	70-130	^
Dibromochloromethane	0.00100	0.00106	106	70-130	
1,2-Dichloropropane	0.00100	0.00110	110	70-130	
Bromodichloromethane	0.00100	0.00111	111	70-130	
Ethylbenzene	0.00100	0.000933 J	93	70-130	
2-Hexanone	0.0100	0.00935 J	93	70-130	
Methyl tert-butyl ether	0.00100	0.00118	118	70-130	
Methylene Chloride	0.00100	0.00138	138	70-130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00956 J	96	70-130	
Styrene	0.00100	0.000866 J	87	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.00140	140	70-130	^
Tetrachloroethene	0.00100	0.00114	114	70-130	
Toluene	0.00100	0.00108	108	70-130	
Chloroform	0.00100	0.00119	119	70-130	
trans-1,3-Dichloropropene	0.00100	0.00131	131	70-130	^
1,1,1-Trichloroethane	0.00100	0.00109	109	70-130	
Bromochloromethane	0.00100	0.00115	115	70-130	
1,1,2-Trichloroethane	0.00100	0.00104	104	70-130	
Trichloroethene	0.00100	0.00118	118	70-130	
Vinyl chloride	0.00100	0.00106	106	70-130	
Chloroethane	0.00100	0.00106	106	70-130	
Xylenes, Total	0.00300	0.00286	95	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR3299.D

Lab ID: MRL 240-81013/21 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
2-Butanone (MEK)	0.0100	0.00771 J	77	70-130	
Acetone	0.0100	0.00676 J	68	70-130	^
Benzene	0.00100	0.00102	102	70-130	
Bromoform	0.00100	0.000836 J	84	70-130	
Bromomethane	0.00100	0.000770 J	77	70-130	
Carbon disulfide	0.00100	0.000894 J	89	70-130	
Carbon tetrachloride	0.00100	0.000915 J	91	70-130	
1,1-Dichloroethane	0.00100	0.000994 J	99	70-130	
Chlorobenzene	0.00100	0.000980 J	98	70-130	
1,2-Dichloroethane	0.00100	0.00104	104	70-130	
Chloromethane	0.00100	0.00113	113	70-130	
1,1-Dichloroethene	0.00100	0.00101	101	70-130	
cis-1,3-Dichloropropene	0.00100	0.00121	121	70-130	
Dibromochloromethane	0.00100	0.000823 J	82	70-130	
1,2-Dichloropropane	0.00100	0.000976 J	98	70-130	
Bromodichloromethane	0.00100	0.000890 J	89	70-130	
Ethylbenzene	0.00100	0.000915 J	91	70-130	
2-Hexanone	0.0100	0.00949 J	95	70-130	
Methyl tert-butyl ether	0.00100	0.00101	101	70-130	
Methylene Chloride	0.00100	0.00256	256	70-130	^
4-Methyl-2-pentanone (MIBK)	0.0100	0.00897 J	90	70-130	
Styrene	0.00100	0.000745 J	74	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.00125	125	70-130	
Tetrachloroethene	0.00100	0.000960 J	96	70-130	
Toluene	0.00100	0.000933 J	93	70-130	
Chloroform	0.00100	0.000960 J	96	70-130	
trans-1,3-Dichloropropene	0.00100	0.00118	118	70-130	
1,1,1-Trichloroethane	0.00100	0.000940 J	94	70-130	
Bromochloromethane	0.00100	0.00100	100	70-130	
1,1,2-Trichloroethane	0.00100	0.000961 J	96	70-130	
Trichloroethene	0.00100	0.00102	102	70-130	
Vinyl chloride	0.00100	0.000961 J	96	70-130	
Chloroethane	0.00100	0.000985 J	98	70-130	
Xylenes, Total	0.00300	0.00240	80	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab File ID: 141832.D Lab Sample ID: MB 240-80954/7

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX14 Date Analyzed: 04/08/2013 12:43

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-80954/6	141831.D	04/08/2013 12:22
079SB-0014M-0001-SO	240-22663-4	141843.D	04/08/2013 17:03
079SB-0017M-0001-SO	240-22663-7	141844.D	04/08/2013 17:24
073SB-0041M-0001-SO	240-22663-17	141845.D	04/08/2013 17:46
079SB-0026M-0001-SO	240-22663-26	141846.D	04/08/2013 18:07
079SB-0028M-0001-SO	240-22663-28	141847.D	04/08/2013 18:29

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab File ID: UXR3284.D Lab Sample ID: MB 240-81013/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX10 Date Analyzed: 04/08/2013 13:34

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-81013/4	UXR3282.D	04/08/2013 12:50
068SB-0026-0001-TB	240-22663-30	UXR3292.D	04/08/2013 16:27

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab File ID: BFB5167.D BFB Injection Date: 04/02/2013

Instrument ID: A3UX10 BFB Injection Time: 12:48

Analysis Batch No.: 80277

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.5	
75	30.0 - 60.0 % of mass 95	47.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.2	(0.3)1
174	50.0 - 120.00 % of mass 95	78.7	
175	5.0 - 9.0 % of mass 174	6.1	(7.8)1
176	95.0 - 101.0 % of mass 174	76.7	(97.5)1
177	5.0 - 9.0 % of mass 176	5.0	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-80277/2	UXX3070.D	04/02/2013	13:09
	STD8260 240-80277/3	UXX3071.D	04/02/2013	13:31
	STD8260 240-80277/4	UXX3072.D	04/02/2013	13:52
	STD8260 240-80277/5	UXX3073.D	04/02/2013	14:13
	STD8260 240-80277/6	UXX3074.D	04/02/2013	14:35
	STD8260 240-80277/7	UXX3075.D	04/02/2013	14:56
	ICV 240-80277/14	UXX3082.D	04/02/2013	17:28

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab File ID: BFB5182.D BFB Injection Date: 04/08/2013

Instrument ID: A3UX10 BFB Injection Time: 11:40

Analysis Batch No.: 81013

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.0	
75	30.0 - 60.0 % of mass 95	45.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	81.7	
175	5.0 - 9.0 % of mass 174	5.5	(6.7)1
176	95.0 - 101.0 % of mass 174	80.3	(98.2)1
177	5.0 - 9.0 % of mass 176	5.5	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-81013/2	UXR3280.D	04/08/2013	12:07
	CCV 240-81013/3	UXR3281.D	04/08/2013	12:28
	LCS 240-81013/4	UXR3282.D	04/08/2013	12:50
	MRL 240-81013/5	UXR3283.D	04/08/2013	13:12
	MB 240-81013/6	UXR3284.D	04/08/2013	13:34
068SB-0026-0001-TB	240-22663-30	UXR3292.D	04/08/2013	16:27
	MRL 240-81013/21	UXR3299.D	04/08/2013	18:58
	LODV 240-81013/22	UXR3300.D	04/08/2013	19:19

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab File ID: BFB14383.D BFB Injection Date: 04/01/2013

Instrument ID: A3UX14 BFB Injection Time: 13:20

Analysis Batch No.: 80127

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.7	
75	30.0 - 60.0 % of mass 95	47.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	82.0	
175	5.0 - 9.0 % of mass 174	6.1	(7.4)1
176	95.0 - 101.0 % of mass 174	78.6	(95.7)1
177	5.0 - 9.0 % of mass 176	5.1	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 240-80127/3	141665.D	04/01/2013	14:03
	IC 240-80127/4	141666.D	04/01/2013	14:25
	IC 240-80127/5	141667.D	04/01/2013	14:46
	ICIS 240-80127/6	141668.D	04/01/2013	15:08
	IC 240-80127/7	141669.D	04/01/2013	15:29
	IC 240-80127/8	141670.D	04/01/2013	15:51
	IC 240-80127/9	141671.D	04/01/2013	16:12
	IC 240-80127/10	141672.D	04/01/2013	16:34
	IC 240-80127/11	141673.D	04/01/2013	16:55
	ICV 240-80127/21	141683.D	04/01/2013	20:31

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab File ID: BFB14389.D BFB Injection Date: 04/08/2013

Instrument ID: A3UX14 BFB Injection Time: 10:13

Analysis Batch No.: 80954

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.4	
75	30.0 - 60.0 % of mass 95	47.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	82.6	
175	5.0 - 9.0 % of mass 174	6.1	(7.4)1
176	95.0 - 101.0 % of mass 174	80.0	(96.8)1
177	5.0 - 9.0 % of mass 176	5.3	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-80954/4	141828.D	04/08/2013	11:17
	CCV 240-80954/9	141829.D	04/08/2013	11:39
	MRL 240-80954/5	141830.D	04/08/2013	12:00
	LCS 240-80954/6	141831.D	04/08/2013	12:22
	MB 240-80954/7	141832.D	04/08/2013	12:43
079SB-0014M-0001-SO	240-22663-4	141843.D	04/08/2013	17:03
079SB-0017M-0001-SO	240-22663-7	141844.D	04/08/2013	17:24
073SB-0041M-0001-SO	240-22663-17	141845.D	04/08/2013	17:46
079SB-0026M-0001-SO	240-22663-26	141846.D	04/08/2013	18:07
079SB-0028M-0001-SO	240-22663-28	141847.D	04/08/2013	18:29
	MRL 240-80954/32	141856.D	04/08/2013	21:42

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: STD8260 240-80277/4 Date Analyzed: 04/02/2013 13:52

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXX3072.D Heated Purge: (Y/N) N

Calibration ID: 14338

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1886494	5.20	1228757	7.87	689846	10.12
UPPER LIMIT		3772988	5.70	2457514	8.37	1379692	10.62
LOWER LIMIT		943247	4.70	614379	7.37	344923	9.62
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-80277/14		1993798	5.20	1310576	7.87	752623	10.12
CCV 240-81013/2		2015557	5.20	1371090	7.87	724491	10.12
CCV 240-81013/3		2049932	5.20	1366092	7.87	611255	10.12
LCS 240-81013/4		1833691	5.20	1294647	7.87	729378	10.12
MRL 240-81013/5		1934419	5.20	1336222	7.87	675843	10.12
MB 240-81013/6		1900087	5.20	1259469	7.87	588716	10.12
240-22663-30	068SB-0026-0001-TB	1758282	5.20	1188123	7.87	554751	10.12
MRL 240-81013/21		1847532	5.21	1247564	7.87	650422	10.12
LODV 240-81013/22		1799091	5.20	1234434	7.88	602927	10.12

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: ICIS 240-80127/6 Date Analyzed: 04/01/2013 15:08

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 141668.D Heated Purge: (Y/N) Y

Calibration ID: 14354

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1285361	6.93	847501	9.64	381352	11.61
UPPER LIMIT		2570722	7.43	1695002	10.14	762704	12.11
LOWER LIMIT		642681	6.43	423751	9.14	190676	11.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-80127/21		1276199	6.93	859219	9.64	404592	11.61
CCV 240-80954/4		1269036	6.93	842746	9.64	366120	11.61
CCV 240-80954/9		1254291	6.93	835672	9.64	375744	11.61
MRL 240-80954/5		1212228	6.93	812365	9.64	371954	11.61
LCS 240-80954/6		1201774	6.93	820522	9.64	371857	11.61
MB 240-80954/7		1187679	6.93	781860	9.64	352467	11.61
240-22663-4	079SB-0014M-0001-SO	1090791	6.93	740554	9.64	337283	11.61
240-22663-7	079SB-0017M-0001-SO	1116711	6.93	675884	9.64	217910	11.61
240-22663-17	073SB-0041M-0001-SO	1103830	6.93	709326	9.64	289623	11.61
240-22663-26	079SB-0026M-0001-SO	1128579	6.93	765659	9.64	353524	11.61
240-22663-28	079SB-0028M-0001-SO	983401	6.93	595469	9.64	193073	11.61
MRL 240-80954/32		1121485	6.93	755196	9.64	340868	11.61

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0014M-0001-SO | Lab Sample ID: 240-22663-4

Matrix: Solid | Lab File ID: 141843.D

Analysis Method: 8260B/DoD | Date Collected: 04/01/2013 10:12

Sample wt/vol: 5.039(g) | Date Analyzed: 04/08/2013 17:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 9.0 | Level: (low/med) Low

Analysis Batch No.: 80954 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	15	J	22	6.9	6.9
71-43-2	Benzene	0.55	U	5.5	0.55	0.25
74-97-5	Bromochloromethane	1.1	U	5.5	1.1	0.77
75-27-4	Bromodichloromethane	0.55	U	5.5	0.55	0.31
75-25-2	Bromoform	0.55	U	5.5	0.55	0.36
74-83-9	Bromomethane	1.1	U	5.5	1.1	0.59
78-93-3	2-Butanone (MEK)	2.2	U	22	2.2	1.5
75-15-0	Carbon disulfide	0.55	U	5.5	0.55	0.48
56-23-5	Carbon tetrachloride	0.55	U	5.5	0.55	0.40
108-90-7	Chlorobenzene	0.55	U	5.5	0.55	0.36
75-00-3	Chloroethane	1.1	U	5.5	1.1	0.94
67-66-3	Chloroform	0.55	U	5.5	0.55	0.32
74-87-3	Chloromethane	0.55	U	5.5	0.55	0.45
10061-01-5	cis-1,3-Dichloropropene	0.55	U	5.5	0.55	0.37
124-48-1	Dibromochloromethane	1.1	U	5.5	1.1	0.60
106-93-4	1,2-Dibromoethane	1.1	U	5.5	1.1	0.55
75-34-3	1,1-Dichloroethane	0.55	U	5.5	0.55	0.39
107-06-2	1,2-Dichloroethane	0.55	U	5.5	0.55	0.37
75-35-4	1,1-Dichloroethene	1.1	U	5.5	1.1	0.57
540-59-0	1,2-Dichloroethene, Total	1.1	U	11	1.1	0.84
78-87-5	1,2-Dichloropropane	1.1	U	5.5	1.1	0.75
100-41-4	Ethylbenzene	0.55	U	5.5	0.55	0.28
591-78-6	2-Hexanone	1.1	U	22	1.1	0.69
75-09-2	Methylene Chloride	3.3	J B	5.5	1.1	0.73
108-10-1	4-Methyl-2-pentanone (MIBK)	1.1	U	22	1.1	0.59
100-42-5	Styrene	0.55	U	5.5	0.55	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.55	U	5.5	0.55	0.37
127-18-4	Tetrachloroethene	1.1	U	5.5	1.1	0.57
108-88-3	Toluene	0.55	U	5.5	0.55	0.29
10061-02-6	trans-1,3-Dichloropropene	1.1	U	5.5	1.1	0.59
71-55-6	1,1,1-Trichloroethane	1.1	U	5.5	1.1	0.61
79-00-5	1,1,2-Trichloroethane	0.55	U	5.5	0.55	0.43
79-01-6	Trichloroethene	0.55	U	5.5	0.55	0.46
75-01-4	Vinyl chloride	0.55	U	5.5	0.55	0.43
1330-20-7	Xylenes, Total	1.6	U	11	1.6	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0014M-0001-SO Lab Sample ID: 240-22663-4

Matrix: Solid Lab File ID: 141843.D

Analysis Method: 8260B/DoD Date Collected: 04/01/2013 10:12

Sample wt/vol: 5.039(g) Date Analyzed: 04/08/2013 17:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 9.0 Level: (low/med) Low

Analysis Batch No.: 80954 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	83	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	78		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		61-130
2037-26-5	Toluene-d8 (Surr)	86		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141843.D
Lims ID: 240-22663-B-4-A Client ID: 079SB-0014M-0001-SO
Inject. Date: 08-Apr-2013 17:03:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-22663-b-4-a
Misc. Info.: 240-0018642-019 =240-0018642-019
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 18
Lims Batch ID: 80954 Lims Sample ID: 19
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m
Last Update: 09-Apr-2013 16:28:51 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK014

First Level Reviewer: macenczaks Date: 09-Apr-2013 13:52:36

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1090791	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	88	740554	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	337283	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	71	229077	39.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	292038	45.7	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	94	980722	42.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	91	311533	41.7	
13 Chloromethane	50		1.643					9
14 Vinyl chloride	62		1.761					
15 Bromomethane	94		2.104					9
16 Chloroethane	64		2.211					
21 1,1-Dichloroethene	96		3.205					
22 Acetone	43	3.323	3.323	0.0	91	28397	13.9	
26 Carbon disulfide	76		3.477					
30 Methylene Chloride	84	3.950	3.950	0.0	92	17963	3.05	
33 trans-1,2-Dichloroethene	96		4.388					
34 Methyl tert-butyl ether	73		4.423					
36 1,1-Dichloroethane	63		4.980					
42 cis-1,2-Dichloroethene	96		5.713					
41 2-Butanone (MEK)	43		5.749					
47 Chlorobromomethane	128		5.985					
49 Chloroform	83		6.092					
50 1,1,1-Trichloroethane	97		6.269					
53 Carbon tetrachloride	117		6.435					
55 Benzene	78		6.648					9
56 1,2-Dichloroethane	62		6.672					
60 Trichloroethene	130		7.287					
62 1,2-Dichloropropane	63		7.500					9
67 Dichlorobromomethane	83		7.760					
70 cis-1,3-Dichloropropene	75		8.163					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43		8.305					9
72 Toluene	91	8.459	8.458	0.001	64	3673	0.1472	
73 trans-1,3-Dichloropropene	75		8.648					
75 1,1,2-Trichloroethane	97		8.813					
77 Tetrachloroethene	164		8.932					
78 2-Hexanone	43		9.015					9
79 Chlorodibromomethane	129		9.145					
123 Ethylene Dibromide	107		9.251					
82 Chlorobenzene	112		9.665					9
84 Ethylbenzene	106	9.748	9.760	-0.012	1	320	0.0383	7
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	64	1370	0.1330	
85 o-Xylene	106		10.186					9
86 Styrene	104		10.198					9
87 Bromoform	173		10.364					
90 1,1,2,2-Tetrachloroethane	83		10.742					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106				0		0.1330	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

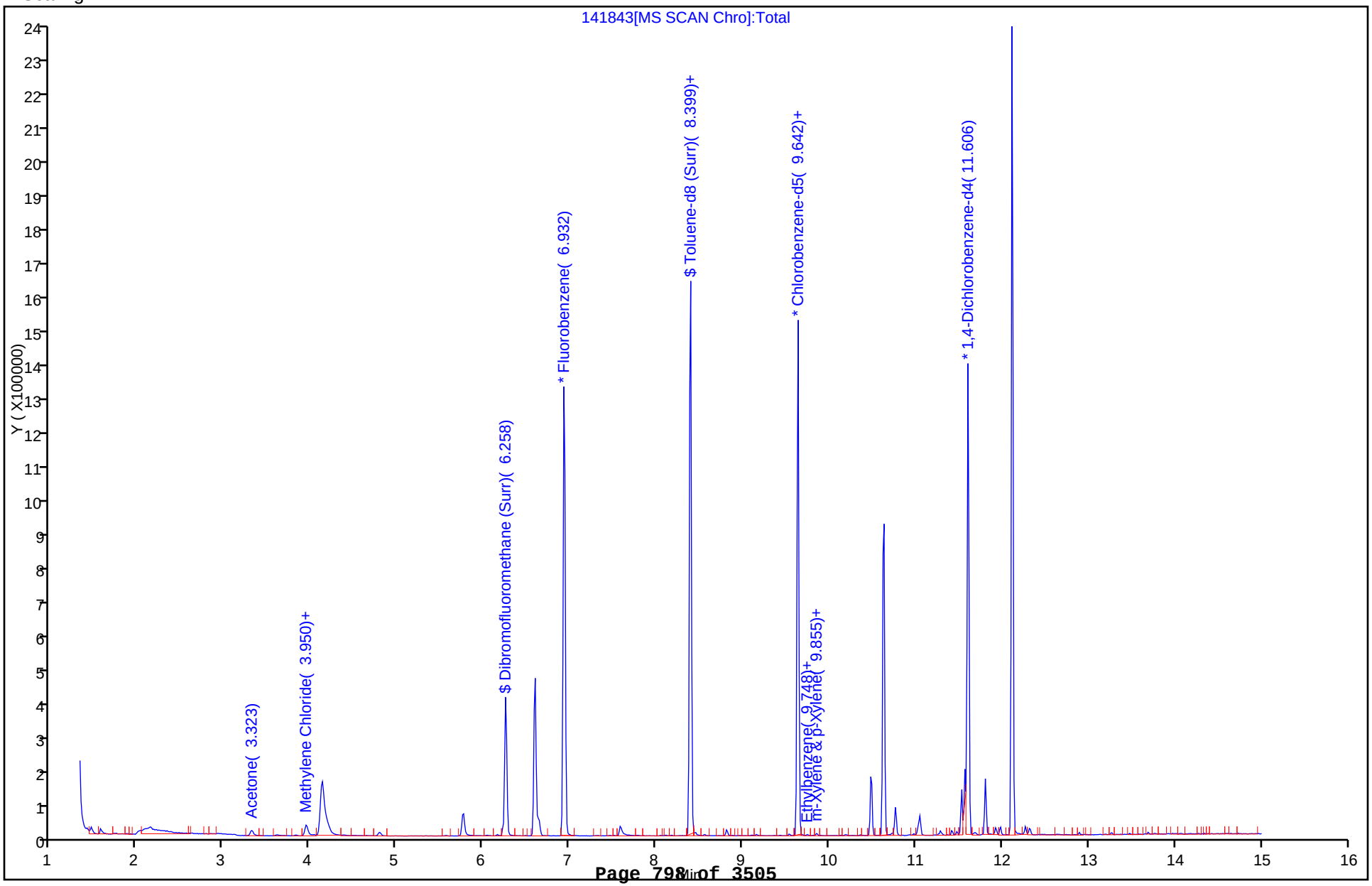
Report Date: 09-Apr-2013 16:28:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141843.D

Injection Date:	08-Apr-2013 17:03:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0014M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	19
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



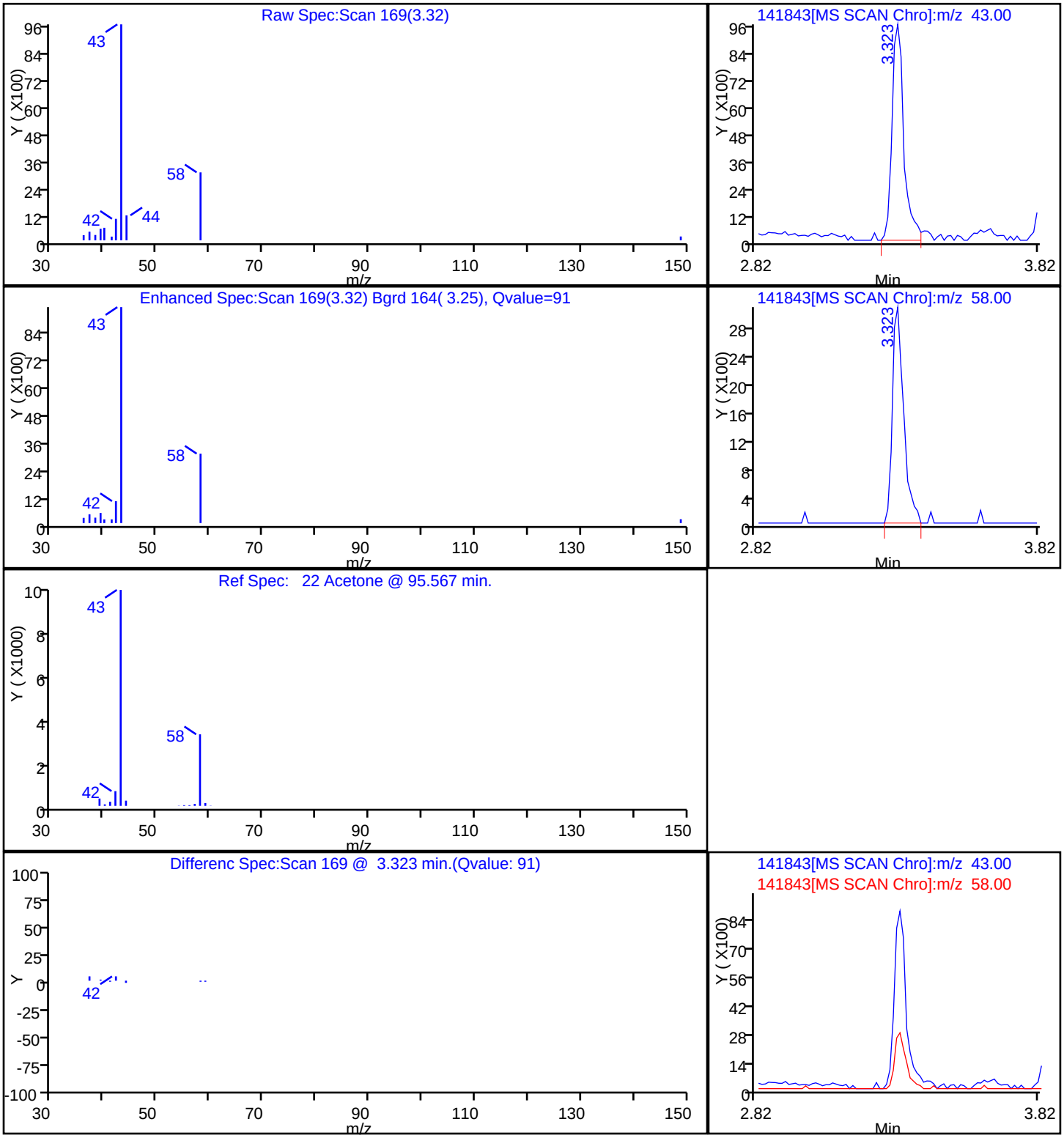
Report Date: 09-Apr-2013 16:28:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141843.D

Injection Date:	08-Apr-2013 17:03:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0014M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	19
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



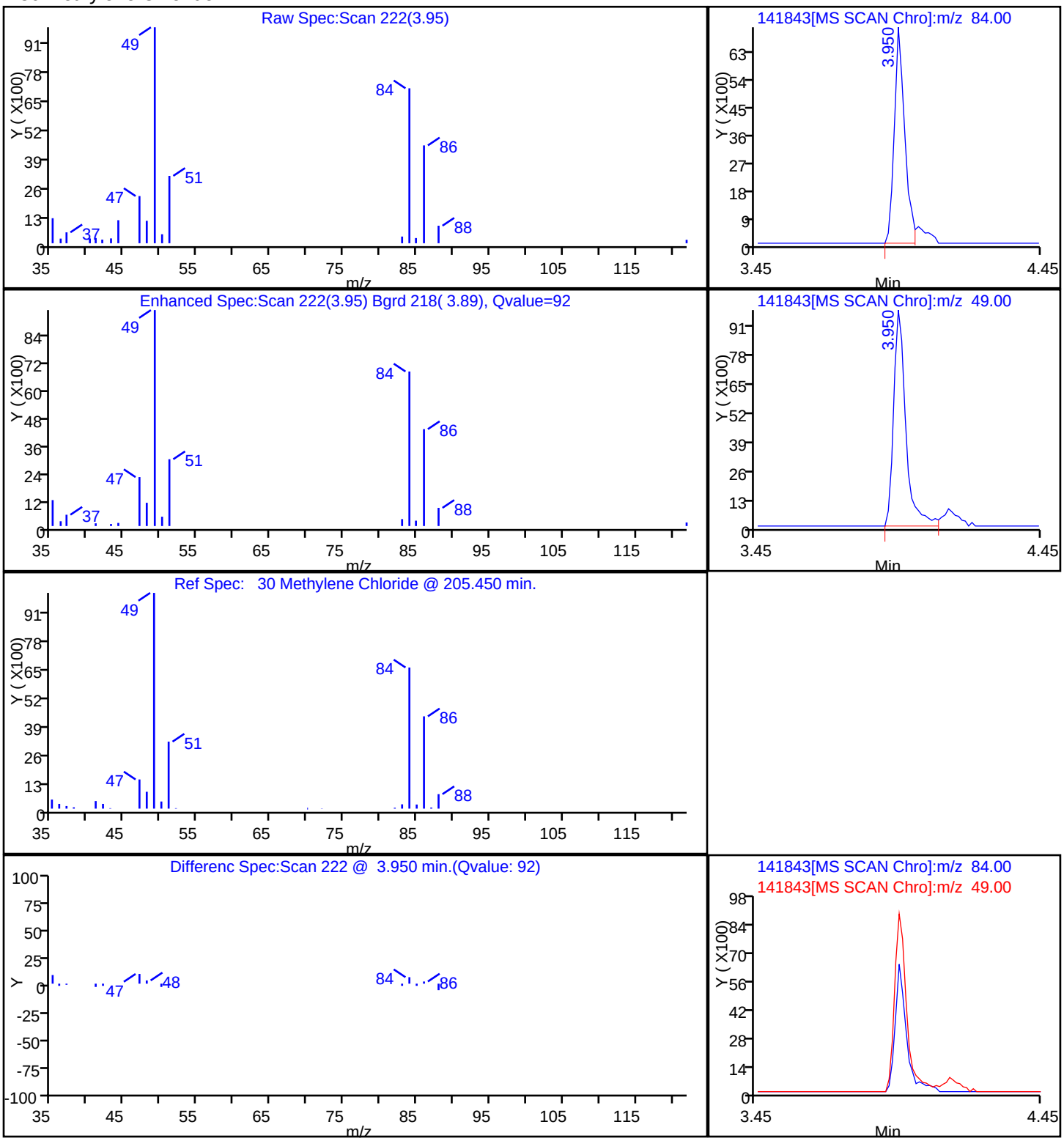
Report Date: 09-Apr-2013 16:28:58 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141843.D

Injection Date:	08-Apr-2013 17:03:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0014M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	19
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0017M-0001-SO | Lab Sample ID: 240-22663-7

Matrix: Solid | Lab File ID: 141844.D

Analysis Method: 8260B/DoD | Date Collected: 04/01/2013 09:24

Sample wt/vol: 6.211(g) | Date Analyzed: 04/08/2013 17:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.7 | Level: (low/med) Low

Analysis Batch No.: 80954 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	6.2	U	20	6.2	6.2
71-43-2	Benzene	0.49	U	4.9	0.49	0.22
74-97-5	Bromochloromethane	0.98	U	4.9	0.98	0.69
75-27-4	Bromodichloromethane	0.49	U	4.9	0.49	0.27
75-25-2	Bromoform	0.49	U	4.9	0.49	0.32
74-83-9	Bromomethane	0.98	U	4.9	0.98	0.53
78-93-3	2-Butanone (MEK)	2.0	U	20	2.0	1.4
75-15-0	Carbon disulfide	0.49	U	4.9	0.49	0.43
56-23-5	Carbon tetrachloride	0.49	U	4.9	0.49	0.36
108-90-7	Chlorobenzene	0.49	U	4.9	0.49	0.32
75-00-3	Chloroethane	0.98	U	4.9	0.98	0.84
67-66-3	Chloroform	0.49	U	4.9	0.49	0.28
74-87-3	Chloromethane	0.49	U	4.9	0.49	0.40
10061-01-5	cis-1,3-Dichloropropene	0.49	U	4.9	0.49	0.33
124-48-1	Dibromochloromethane	0.98	U	4.9	0.98	0.54
106-93-4	1,2-Dibromoethane	0.98	U	4.9	0.98	0.49
75-34-3	1,1-Dichloroethane	0.49	U	4.9	0.49	0.35
107-06-2	1,2-Dichloroethane	0.49	U	4.9	0.49	0.33
75-35-4	1,1-Dichloroethene	0.98	U	4.9	0.98	0.51
540-59-0	1,2-Dichloroethene, Total	0.98	U	9.8	0.98	0.75
78-87-5	1,2-Dichloropropane	0.98	U	4.9	0.98	0.67
100-41-4	Ethylbenzene	0.49	U	4.9	0.49	0.25
591-78-6	2-Hexanone	0.98	U	20	0.98	0.62
75-09-2	Methylene Chloride	2.2	J B	4.9	0.98	0.66
108-10-1	4-Methyl-2-pentanone (MIBK)	0.98	U	20	0.98	0.53
100-42-5	Styrene	0.49	U	4.9	0.49	0.15
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	4.9	0.49	0.33
127-18-4	Tetrachloroethene	0.98	U	4.9	0.98	0.51
108-88-3	Toluene	0.49	U	4.9	0.49	0.26
10061-02-6	trans-1,3-Dichloropropene	0.98	U	4.9	0.98	0.53
71-55-6	1,1,1-Trichloroethane	0.98	U	4.9	0.98	0.55
79-00-5	1,1,2-Trichloroethane	0.49	U	4.9	0.49	0.38
79-01-6	Trichloroethene	0.49	U	4.9	0.49	0.41
75-01-4	Vinyl chloride	0.49	U	4.9	0.49	0.38
1330-20-7	Xylenes, Total	1.5	U	9.8	1.5	0.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0017M-0001-SO Lab Sample ID: 240-22663-7

Matrix: Solid Lab File ID: 141844.D

Analysis Method: 8260B/DoD Date Collected: 04/01/2013 09:24

Sample wt/vol: 6.211(g) Date Analyzed: 04/08/2013 17:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 17.7 Level: (low/med) Low

Analysis Batch No.: 80954 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		85-120
1868-53-7	Dibromofluoromethane (Surr)	75		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		61-130
2037-26-5	Toluene-d8 (Surr)	87		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141844.D
Lims ID: 240-22663-B-7-A
Client ID: 079SB-0017M-0001-SO
Inject. Date: 08-Apr-2013 17:24:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-22663-b-7-a
Misc. Info.: 240-0018642-020 =240-0018642-020
Operator: 002808
Instrument ID: A3UX14
Purge Vol: 5.000 mL
ALS Bottle#: 19
Lims Batch ID: 80954
Lims Sample ID: 20
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m
Last Update: 09-Apr-2013 16:28:51
Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.18 mm
Process Host: XAWRK014

First Level Reviewer: macenczaks
Date: 09-Apr-2013 13:53:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1116711	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	88	675884	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	217910	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	58	227078	37.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	295210	45.0	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	908542	43.6	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	97	238532	50.5	
13 Chloromethane	50		1.643					9
14 Vinyl chloride	62		1.761					
15 Bromomethane	94		2.104					9
16 Chloroethane	64		2.211					
21 1,1-Dichloroethene	96		3.205					
22 Acetone	43	3.323	3.323	0.0	95	13611	3.00	
26 Carbon disulfide	76		3.477					
30 Methylene Chloride	84	3.950	3.950	0.0	90	13306	2.21	
33 trans-1,2-Dichloroethene	96		4.388					
34 Methyl tert-butyl ether	73		4.423					
36 1,1-Dichloroethane	63		4.980					
42 cis-1,2-Dichloroethene	96		5.713					
41 2-Butanone (MEK)	43		5.749					9
47 Chlorobromomethane	128		5.985					
49 Chloroform	83		6.092					
50 1,1,1-Trichloroethane	97		6.269					
53 Carbon tetrachloride	117		6.435					
55 Benzene	78		6.648					9
56 1,2-Dichloroethane	62		6.672					
60 Trichloroethene	130		7.287					
62 1,2-Dichloropropane	63		7.500					9
67 Dichlorobromomethane	83		7.760					
70 cis-1,3-Dichloropropene	75		8.163					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43		8.305					9
72 Toluene	91	8.458	8.458	0.0	51	3363	0.1476	
73 trans-1,3-Dichloropropene	75		8.648					
75 1,1,2-Trichloroethane	97		8.813					
77 Tetrachloroethene	164		8.932					
78 2-Hexanone	43		9.015					9
79 Chlorodibromomethane	129		9.145					
123 Ethylene Dibromide	107		9.251					
82 Chlorobenzene	112		9.665					9
84 Ethylbenzene	106	9.760	9.760	0.0	1	356	0.0467	7
10 m-Xylene & p-Xylene	106		9.855					9
85 o-Xylene	106		10.186					9
86 Styrene	104		10.198					9
87 Bromoform	173		10.364					
90 1,1,2,2-Tetrachloroethane	83		10.742					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106		16.530					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

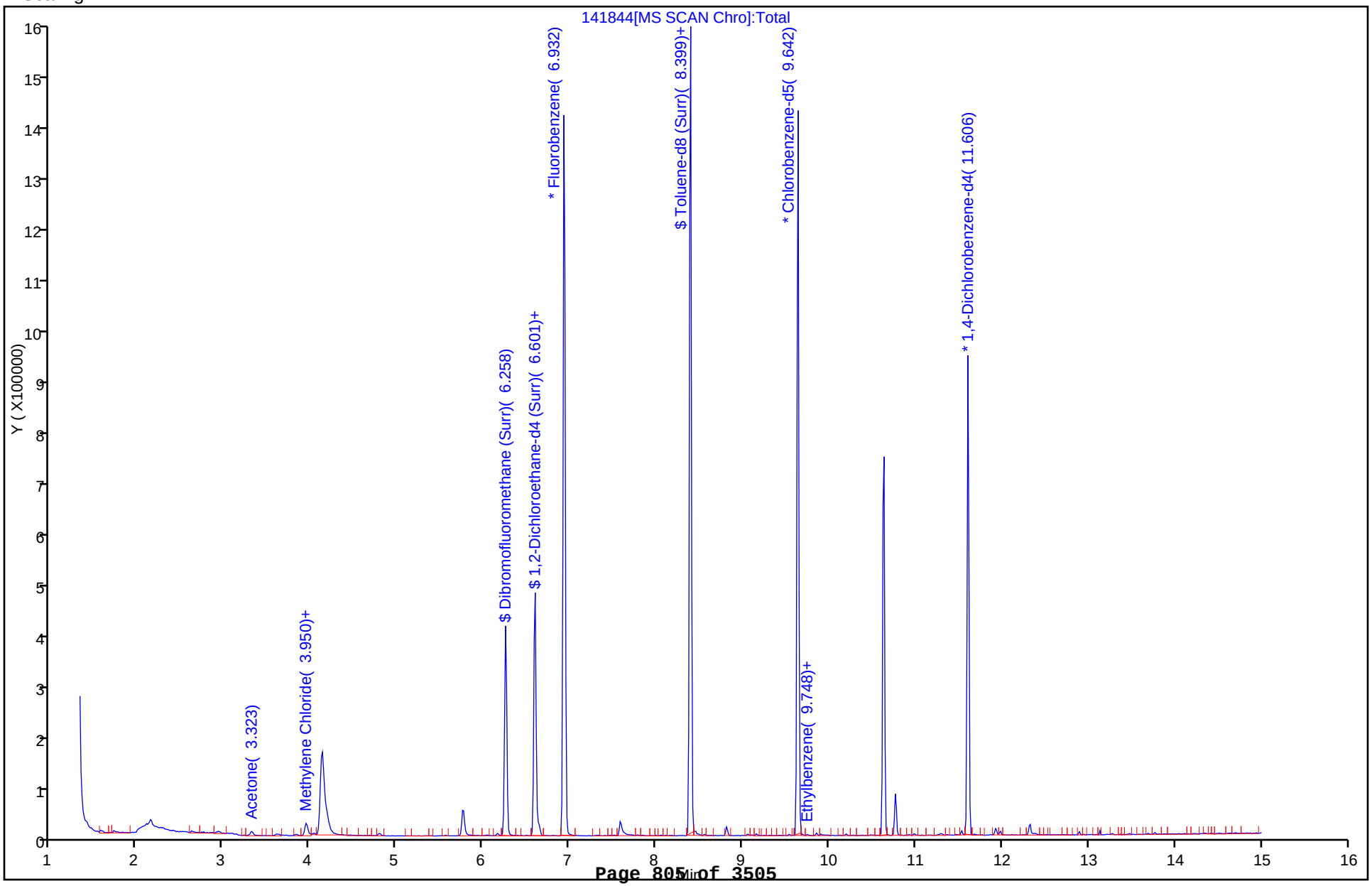
Report Date: 09-Apr-2013 16:28:59 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141844.D

Injection Date:	08-Apr-2013 17:24:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0017M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	20
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



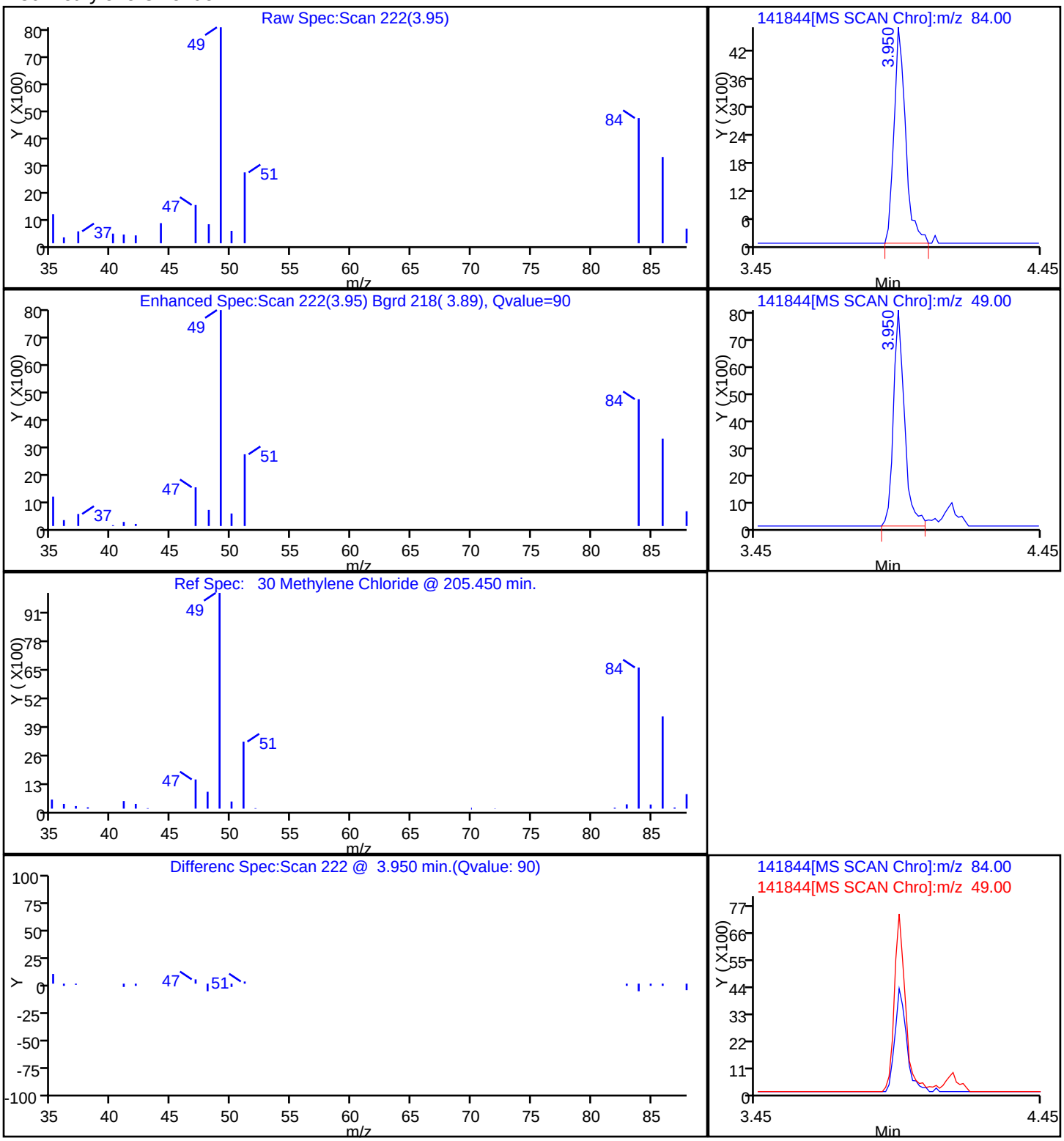
Report Date: 09-Apr-2013 16:28:59 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141844.D

Injection Date:	08-Apr-2013 17:24:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0017M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	20
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 073SB-0041M-0001-SO | Lab Sample ID: 240-22663-17

Matrix: Solid | Lab File ID: 141845.D

Analysis Method: 8260B/DoD | Date Collected: 04/01/2013 13:03

Sample wt/vol: 6.82(g) | Date Analyzed: 04/08/2013 17:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.6 | Level: (low/med) Low

Analysis Batch No.: 80954 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	5.2	U	17	5.2	5.2
71-43-2	Benzene	0.41	U	4.1	0.41	0.19
74-97-5	Bromochloromethane	0.83	U	4.1	0.83	0.59
75-27-4	Bromodichloromethane	0.41	U	4.1	0.41	0.23
75-25-2	Bromoform	0.41	U	4.1	0.41	0.27
74-83-9	Bromomethane	0.83	U	4.1	0.83	0.45
78-93-3	2-Butanone (MEK)	1.7	U	17	1.7	1.2
75-15-0	Carbon disulfide	0.41	U	4.1	0.41	0.36
56-23-5	Carbon tetrachloride	0.41	U	4.1	0.41	0.31
108-90-7	Chlorobenzene	0.41	U	4.1	0.41	0.27
75-00-3	Chloroethane	0.83	U	4.1	0.83	0.71
67-66-3	Chloroform	0.41	U	4.1	0.41	0.24
74-87-3	Chloromethane	0.41	U	4.1	0.41	0.34
10061-01-5	cis-1,3-Dichloropropene	0.41	U	4.1	0.41	0.28
124-48-1	Dibromochloromethane	0.83	U	4.1	0.83	0.46
106-93-4	1,2-Dibromoethane	0.83	U	4.1	0.83	0.41
75-34-3	1,1-Dichloroethane	0.41	U	4.1	0.41	0.30
107-06-2	1,2-Dichloroethane	0.41	U	4.1	0.41	0.28
75-35-4	1,1-Dichloroethene	0.83	U	4.1	0.83	0.43
540-59-0	1,2-Dichloroethene, Total	0.83	U	8.3	0.83	0.64
78-87-5	1,2-Dichloropropane	0.83	U	4.1	0.83	0.57
100-41-4	Ethylbenzene	0.41	U	4.1	0.41	0.22
591-78-6	2-Hexanone	0.83	U	17	0.83	0.52
75-09-2	Methylene Chloride	1.5	J B	4.1	0.83	0.56
108-10-1	4-Methyl-2-pentanone (MIBK)	0.83	U	17	0.83	0.45
100-42-5	Styrene	0.41	U	4.1	0.41	0.12
79-34-5	1,1,2,2-Tetrachloroethane	0.41	U	4.1	0.41	0.28
127-18-4	Tetrachloroethene	0.83	U	4.1	0.83	0.43
108-88-3	Toluene	0.41	U	4.1	0.41	0.22
10061-02-6	trans-1,3-Dichloropropene	0.83	U	4.1	0.83	0.45
71-55-6	1,1,1-Trichloroethane	0.83	U	4.1	0.83	0.46
79-00-5	1,1,2-Trichloroethane	0.41	U	4.1	0.41	0.32
79-01-6	Trichloroethene	0.41	U	4.1	0.41	0.35
75-01-4	Vinyl chloride	0.41	U	4.1	0.41	0.32
1330-20-7	Xylenes, Total	1.2	U	8.3	1.2	0.56

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 073SB-0041M-0001-SO Lab Sample ID: 240-22663-17

Matrix: Solid Lab File ID: 141845.D

Analysis Method: 8260B/DoD Date Collected: 04/01/2013 13:03

Sample wt/vol: 6.82(g) Date Analyzed: 04/08/2013 17:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.6 Level: (low/med) Low

Analysis Batch No.: 80954 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	88		85-120
1868-53-7	Dibromofluoromethane (Surr)	76		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		61-130
2037-26-5	Toluene-d8 (Surr)	87		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141845.D
Lims ID: 240-22663-B-17-A
Client ID: 073SB-0041M-0001-SO
Inject. Date: 08-Apr-2013 17:46:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-22663-b-17-a
Misc. Info.: 240-0018642-021 =240-0018642-021
Operator: 002808
Instrument ID: A3UX14
Purge Vol: 5.000 mL
ALS Bottle#: 20
Lims Batch ID: 80954
Lims Sample ID: 21
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m
Last Update: 09-Apr-2013 16:28:51
Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.18 mm
Process Host: XAWRK014

First Level Reviewer: macenczaks
Date: 09-Apr-2013 13:53:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1103830	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	90	709326	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	97	289623	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	59	226574	38.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	291289	44.9	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	947749	43.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	97	279727	43.8	
13 Chloromethane	50		1.643					9
14 Vinyl chloride	62		1.761					
15 Bromomethane	94		2.104					
16 Chloroethane	64		2.211					
21 1,1-Dichloroethene	96		3.205					
22 Acetone	43	3.323	3.323	0.0	95	14120	3.47	
26 Carbon disulfide	76		3.477					
30 Methylene Chloride	84	3.950	3.950	0.0	94	10880	1.83	
33 trans-1,2-Dichloroethene	96		4.388					
34 Methyl tert-butyl ether	73		4.423					
36 1,1-Dichloroethane	63		4.980					
42 cis-1,2-Dichloroethene	96		5.713					
41 2-Butanone (MEK)	43		5.749					9
47 Chlorobromomethane	128		5.985					
49 Chloroform	83		6.092					
50 1,1,1-Trichloroethane	97		6.269					
53 Carbon tetrachloride	117		6.435					
55 Benzene	78		6.648					9
56 1,2-Dichloroethane	62		6.672					
60 Trichloroethene	130		7.287					
62 1,2-Dichloropropane	63		7.500					9
67 Dichlorobromomethane	83		7.760					
70 cis-1,3-Dichloropropene	75		8.163					

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71	4-Methyl-2-pentanone (MIBK)	43		8.305					9
72	Toluene	91		8.458					9
73	trans-1,3-Dichloropropene	75		8.648					
75	1,1,2-Trichloroethane	97		8.813					9
77	Tetrachloroethene	164		8.932					
78	2-Hexanone	43		9.015					9
79	Chlorodibromomethane	129		9.145					
123	Ethylene Dibromide	107		9.251					
82	Chlorobenzene	112		9.665					9
84	Ethylbenzene	106		9.760					9
10	m-Xylene & p-Xylene	106		9.855					9
85	o-Xylene	106		10.186					9
86	Styrene	104		10.198					9
87	Bromoform	173		10.364					
90	1,1,2,2-Tetrachloroethane	83		10.742					
S 11	1,2-Dichloroethene, Total	96		1.140					
S 114	Xylenes, Total	106		16.530					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

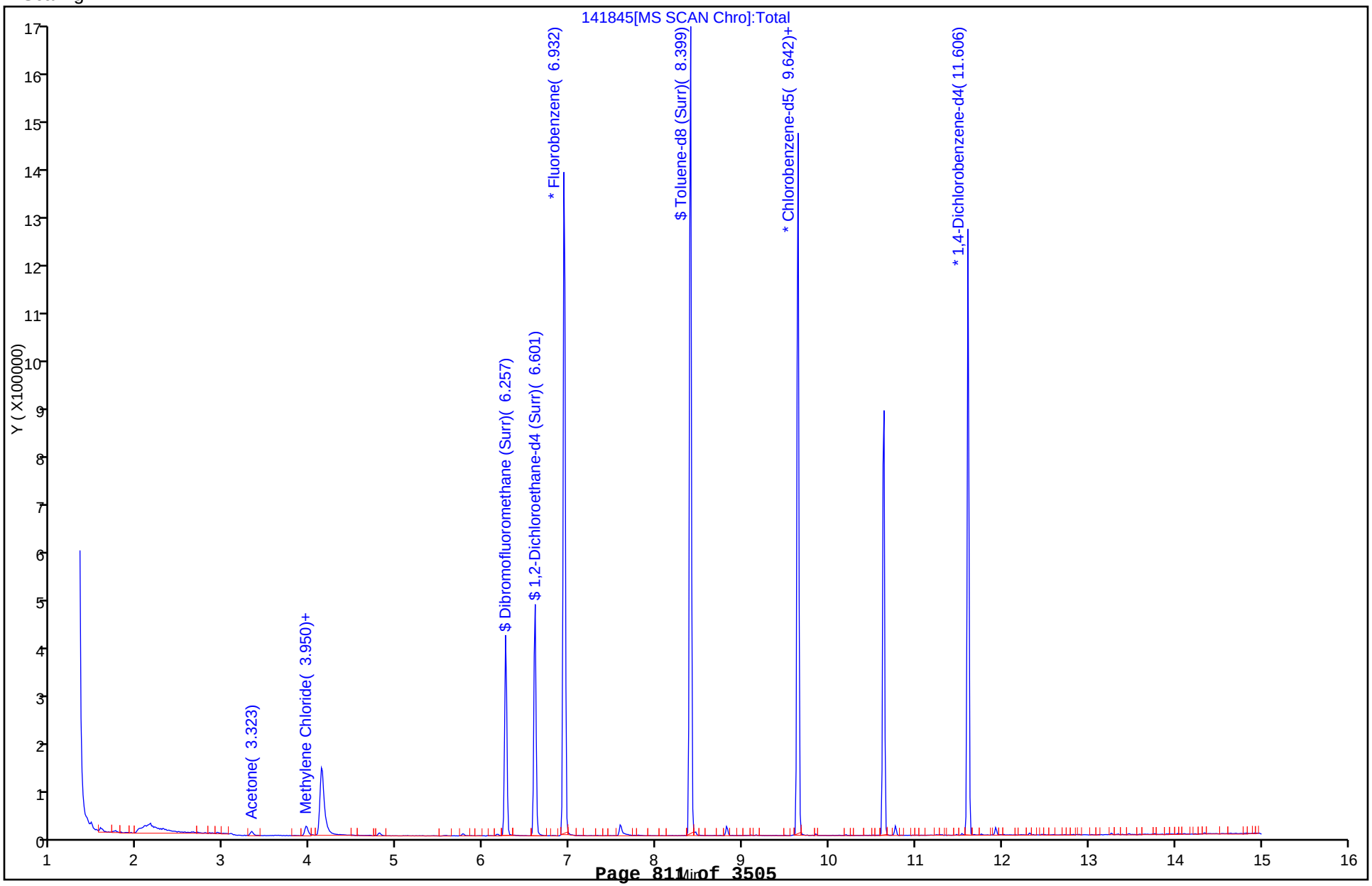
Report Date: 09-Apr-2013 16:28:59 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141845.D

Injection Date:	08-Apr-2013 17:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	073SB-0041M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	21
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



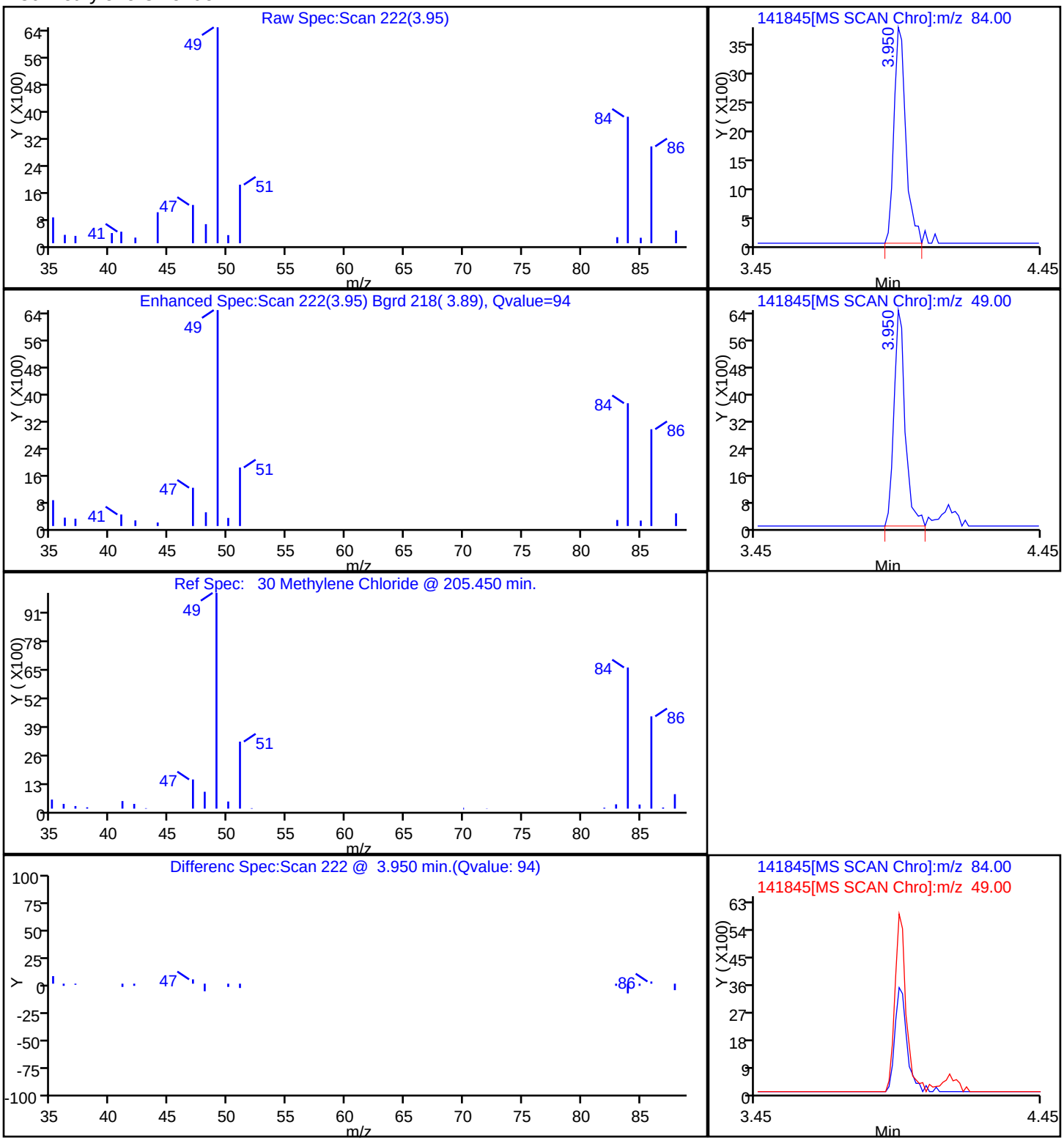
Report Date: 09-Apr-2013 16:28:59 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141845.D

Injection Date:	08-Apr-2013 17:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	073SB-0041M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	21
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0026M-0001-SO | Lab Sample ID: 240-22663-26

Matrix: Solid | Lab File ID: 141846.D

Analysis Method: 8260B/DoD | Date Collected: 04/01/2013 10:37

Sample wt/vol: 5.61(g) | Date Analyzed: 04/08/2013 18:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.9 | Level: (low/med) Low

Analysis Batch No.: 80954 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	7.0	U	22	7.0	7.0
71-43-2	Benzene	0.56	U	5.6	0.56	0.26
74-97-5	Bromochloromethane	1.1	U	5.6	1.1	0.79
75-27-4	Bromodichloromethane	0.56	U	5.6	0.56	0.31
75-25-2	Bromoform	0.56	U	5.6	0.56	0.37
74-83-9	Bromomethane	1.1	U	5.6	1.1	0.60
78-93-3	2-Butanone (MEK)	2.2	U	22	2.2	1.6
75-15-0	Carbon disulfide	0.56	U	5.6	0.56	0.49
56-23-5	Carbon tetrachloride	0.56	U	5.6	0.56	0.41
108-90-7	Chlorobenzene	0.56	U	5.6	0.56	0.37
75-00-3	Chloroethane	1.1	U	5.6	1.1	0.96
67-66-3	Chloroform	0.56	U	5.6	0.56	0.32
74-87-3	Chloromethane	0.56	U	5.6	0.56	0.46
10061-01-5	cis-1,3-Dichloropropene	0.56	U	5.6	0.56	0.38
124-48-1	Dibromochloromethane	1.1	U	5.6	1.1	0.61
106-93-4	1,2-Dibromoethane	1.1	U	5.6	1.1	0.56
75-34-3	1,1-Dichloroethane	0.56	U	5.6	0.56	0.40
107-06-2	1,2-Dichloroethane	0.56	U	5.6	0.56	0.38
75-35-4	1,1-Dichloroethene	1.1	U	5.6	1.1	0.58
540-59-0	1,2-Dichloroethene, Total	1.1	U	11	1.1	0.86
78-87-5	1,2-Dichloropropane	1.1	U	5.6	1.1	0.77
100-41-4	Ethylbenzene	0.56	U	5.6	0.56	0.29
591-78-6	2-Hexanone	1.1	U	22	1.1	0.70
75-09-2	Methylene Chloride	1.5	J B	5.6	1.1	0.75
108-10-1	4-Methyl-2-pentanone (MIBK)	1.1	U	22	1.1	0.60
100-42-5	Styrene	0.56	U	5.6	0.56	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.56	U	5.6	0.56	0.38
127-18-4	Tetrachloroethene	1.1	U	5.6	1.1	0.58
108-88-3	Toluene	0.56	U	5.6	0.56	0.30
10061-02-6	trans-1,3-Dichloropropene	1.1	U	5.6	1.1	0.60
71-55-6	1,1,1-Trichloroethane	1.1	U	5.6	1.1	0.62
79-00-5	1,1,2-Trichloroethane	0.56	U	5.6	0.56	0.43
79-01-6	Trichloroethene	0.56	U	5.6	0.56	0.47
75-01-4	Vinyl chloride	0.56	U	5.6	0.56	0.43
1330-20-7	Xylenes, Total	1.7	U	11	1.7	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0026M-0001-SO Lab Sample ID: 240-22663-26

Matrix: Solid Lab File ID: 141846.D

Analysis Method: 8260B/DoD Date Collected: 04/01/2013 10:37

Sample wt/vol: 5.61(g) Date Analyzed: 04/08/2013 18:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.9 Level: (low/med) Low

Analysis Batch No.: 80954 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	68	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	69		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		61-130
2037-26-5	Toluene-d8 (Surr)	73	Q	85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141846.D
Lims ID: 240-22663-B-26-A Client ID: 079SB-0026M-0001-SO
Inject. Date: 08-Apr-2013 18:07:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-22663-b-26-a
Misc. Info.: 240-0018642-022 =240-0018642-022
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 21
Lims Batch ID: 80954 Lims Sample ID: 22
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m
Last Update: 09-Apr-2013 16:28:51 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK014

First Level Reviewer: macenczaks Date: 09-Apr-2013 13:54:15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1128579	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	90	765659	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	353524	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	63	213439	34.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	94	290873	43.8	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	884216	36.7	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	96	275079	34.2	
13 Chloromethane	50		1.643					
14 Vinyl chloride	62		1.761					
15 Bromomethane	94		2.104					9
16 Chloroethane	64		2.211					
21 1,1-Dichloroethene	96		3.205					
22 Acetone	43		3.323					
26 Carbon disulfide	76		3.477					
30 Methylene Chloride	84	3.950	3.950	0.0	90	8127	1.34	
33 trans-1,2-Dichloroethene	96		4.388					
34 Methyl tert-butyl ether	73		4.423					
36 1,1-Dichloroethane	63		4.980					
42 cis-1,2-Dichloroethene	96		5.713					
41 2-Butanone (MEK)	43		5.749					9
47 Chlorobromomethane	128		5.985					
49 Chloroform	83		6.092					
50 1,1,1-Trichloroethane	97		6.269					
53 Carbon tetrachloride	117		6.435					
55 Benzene	78		6.648					9
56 1,2-Dichloroethane	62		6.672					
60 Trichloroethene	130		7.287					
62 1,2-Dichloropropane	63		7.500					9
67 Dichlorobromomethane	83		7.760					
70 cis-1,3-Dichloropropene	75		8.163					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43		8.305					9
72 Toluene	91		8.458					9
73 trans-1,3-Dichloropropene	75		8.648					
75 1,1,2-Trichloroethane	97		8.813					9
77 Tetrachloroethene	164		8.932					9
78 2-Hexanone	43		9.015					9
79 Chlorodibromomethane	129		9.145					
123 Ethylene Dibromide	107		9.251					
82 Chlorobenzene	112		9.665					
84 Ethylbenzene	106		9.760					9
10 m-Xylene & p-Xylene	106		9.855					9
85 o-Xylene	106		10.186					
86 Styrene	104		10.198					9
87 Bromoform	173		10.364					
90 1,1,2,2-Tetrachloroethane	83		10.742					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106		16.530					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

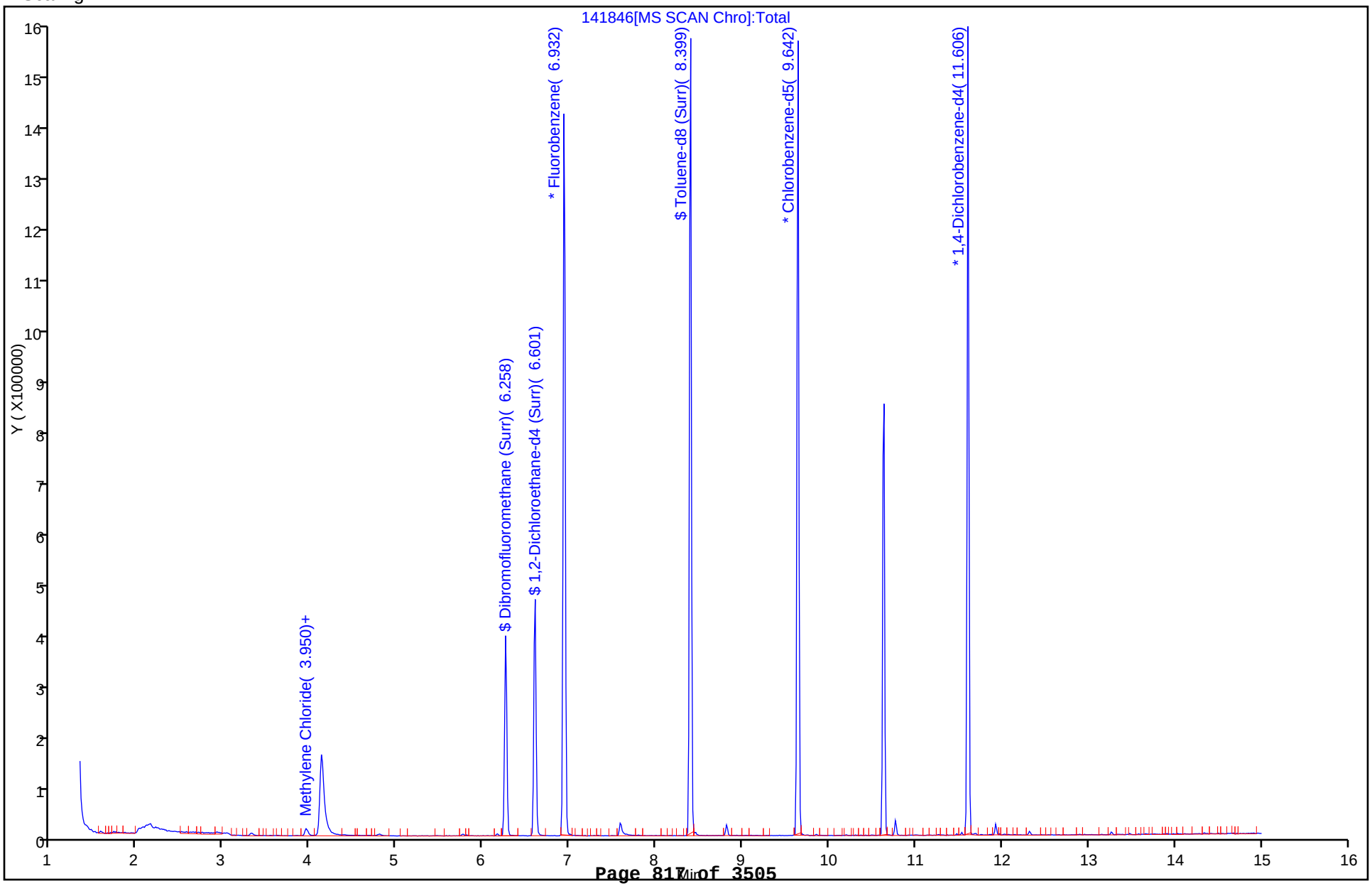
Report Date: 09-Apr-2013 16:29:00 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141846.D

Injection Date:	08-Apr-2013 18:07:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0026M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	22
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



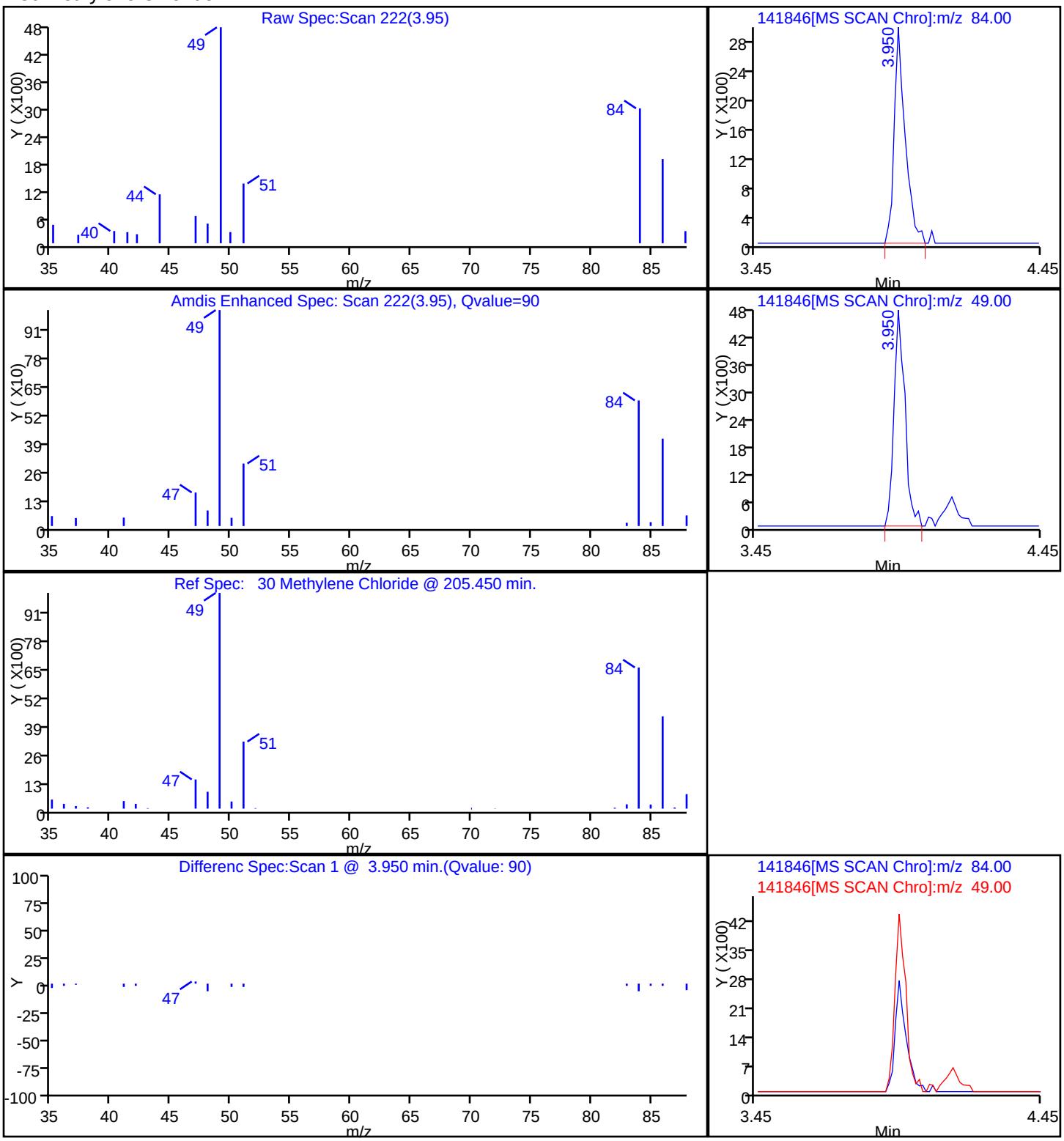
Report Date: 09-Apr-2013 16:29:00 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141846.D

Injection Date:	08-Apr-2013 18:07:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0026M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	22
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0028M-0001-SO | Lab Sample ID: 240-22663-28

Matrix: Solid | Lab File ID: 141847.D

Analysis Method: 8260B/DoD | Date Collected: 04/01/2013 10:43

Sample wt/vol: 5.51(g) | Date Analyzed: 04/08/2013 18:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.2 | Level: (low/med) Low

Analysis Batch No.: 80954 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-64-1	Acetone	15	J	23	7.3	7.3
71-43-2	Benzene	0.58	U	5.8	0.58	0.26
74-97-5	Bromochloromethane	1.2	U	5.8	1.2	0.82
75-27-4	Bromodichloromethane	0.58	U	5.8	0.58	0.32
75-25-2	Bromoform	0.58	U	5.8	0.58	0.38
74-83-9	Bromomethane	1.2	U	5.8	1.2	0.62
78-93-3	2-Butanone (MEK)	2.3	U	23	2.3	1.6
75-15-0	Carbon disulfide	0.58	U	5.8	0.58	0.51
56-23-5	Carbon tetrachloride	0.58	U	5.8	0.58	0.43
108-90-7	Chlorobenzene	0.58	U	5.8	0.58	0.38
75-00-3	Chloroethane	1.2	U	5.8	1.2	0.99
67-66-3	Chloroform	0.58	U	5.8	0.58	0.33
74-87-3	Chloromethane	0.58	U	5.8	0.58	0.47
10061-01-5	cis-1,3-Dichloropropene	0.58	U	5.8	0.58	0.39
124-48-1	Dibromochloromethane	1.2	U	5.8	1.2	0.63
106-93-4	1,2-Dibromoethane	1.2	U	5.8	1.2	0.58
75-34-3	1,1-Dichloroethane	0.58	U	5.8	0.58	0.41
107-06-2	1,2-Dichloroethane	0.58	U	5.8	0.58	0.39
75-35-4	1,1-Dichloroethene	1.2	U	5.8	1.2	0.60
540-59-0	1,2-Dichloroethene, Total	1.2	U	12	1.2	0.89
78-87-5	1,2-Dichloropropane	1.2	U	5.8	1.2	0.79
100-41-4	Ethylbenzene	0.58	U	5.8	0.58	0.30
591-78-6	2-Hexanone	1.2	U	23	1.2	0.73
75-09-2	Methylene Chloride	1.9	J B	5.8	1.2	0.77
108-10-1	4-Methyl-2-pentanone (MIBK)	1.2	U	23	1.2	0.62
100-42-5	Styrene	0.58	U	5.8	0.58	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.58	U	5.8	0.58	0.39
127-18-4	Tetrachloroethene	1.2	U	5.8	1.2	0.60
108-88-3	Toluene	0.58	U	5.8	0.58	0.31
10061-02-6	trans-1,3-Dichloropropene	1.2	U	5.8	1.2	0.62
71-55-6	1,1,1-Trichloroethane	1.2	U	5.8	1.2	0.65
79-00-5	1,1,2-Trichloroethane	0.58	U	5.8	0.58	0.45
79-01-6	Trichloroethene	0.58	U	5.8	0.58	0.48
75-01-4	Vinyl chloride	0.58	U	5.8	0.58	0.45
1330-20-7	Xylenes, Total	1.7	U	12	1.7	0.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0028M-0001-SO Lab Sample ID: 240-22663-28

Matrix: Solid Lab File ID: 141847.D

Analysis Method: 8260B/DoD Date Collected: 04/01/2013 10:43

Sample wt/vol: 5.51(g) Date Analyzed: 04/08/2013 18:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.2 Level: (low/med) Low

Analysis Batch No.: 80954 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	85		85-120
1868-53-7	Dibromofluoromethane (Surr)	74		59-138
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		61-130
2037-26-5	Toluene-d8 (Surr)	84	Q	85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141847.D
Lims ID: 240-22663-B-28-A
Client ID: 079SB-0028M-0001-SO
Inject. Date: 08-Apr-2013 18:29:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-22663-b-28-a
Misc. Info.: 240-0018642-023 =240-0018642-023
Operator: 002808
Instrument ID: A3UX14
Purge Vol: 5.000 mL
ALS Bottle#: 22
Lims Batch ID: 80954
Lims Sample ID: 23
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m
Last Update: 09-Apr-2013 16:28:51
Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.18 mm
Process Host: XAWRK014

First Level Reviewer: macenczaks
Date: 09-Apr-2013 13:54:46

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	983401	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	88	595469	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	193073	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	63	195939	36.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	255792	44.2	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	773581	42.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	91	182204	42.7	
13 Chloromethane	50		1.643					9
14 Vinyl chloride	62		1.761					
15 Bromomethane	94		2.104					9
16 Chloroethane	64		2.211					
21 1,1-Dichloroethene	96		3.205					
22 Acetone	43	3.323	3.323	0.0	93	24177	12.8	
26 Carbon disulfide	76		3.477					
30 Methylene Chloride	84	3.962	3.950	0.012	86	8622	1.63	
33 trans-1,2-Dichloroethene	96		4.388					
34 Methyl tert-butyl ether	73		4.423					
36 1,1-Dichloroethane	63		4.980					
42 cis-1,2-Dichloroethene	96		5.713					
41 2-Butanone (MEK)	43		5.749					9
47 Chlorobromomethane	128		5.985					
49 Chloroform	83		6.092					
50 1,1,1-Trichloroethane	97		6.269					
53 Carbon tetrachloride	117		6.435					
55 Benzene	78		6.648					9
56 1,2-Dichloroethane	62		6.672					
60 Trichloroethene	130		7.287					
62 1,2-Dichloropropane	63		7.500					9
67 Dichlorobromomethane	83		7.760					
70 cis-1,3-Dichloropropene	75		8.163					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43		8.305					9
72 Toluene	91	8.458	8.458	0.0	54	3336	0.1662	
73 trans-1,3-Dichloropropene	75		8.648					
75 1,1,2-Trichloroethane	97		8.813					9
77 Tetrachloroethene	164		8.932					
78 2-Hexanone	43		9.015					9
79 Chlorodibromomethane	129		9.145					
123 Ethylene Dibromide	107		9.251					
82 Chlorobenzene	112		9.665					9
84 Ethylbenzene	106		9.760					9
10 m-Xylene & p-Xylene	106		9.855					9
85 o-Xylene	106		10.186					9
86 Styrene	104		10.198					9
87 Bromoform	173		10.364					
90 1,1,2,2-Tetrachloroethane	83		10.742					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106		16.530					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

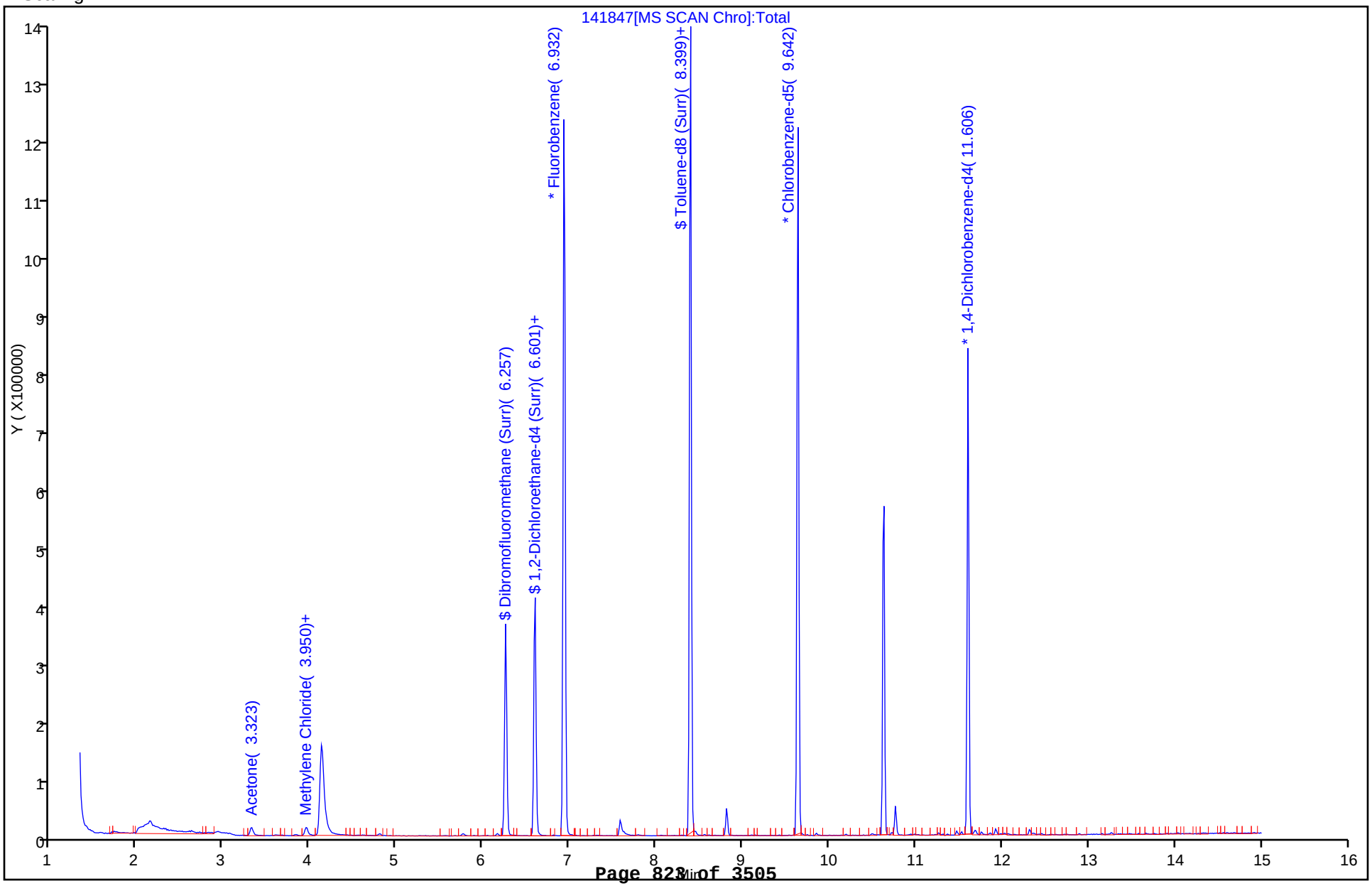
Report Date: 09-Apr-2013 16:29:01 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141847.D

Injection Date:	08-Apr-2013 18:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0028M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



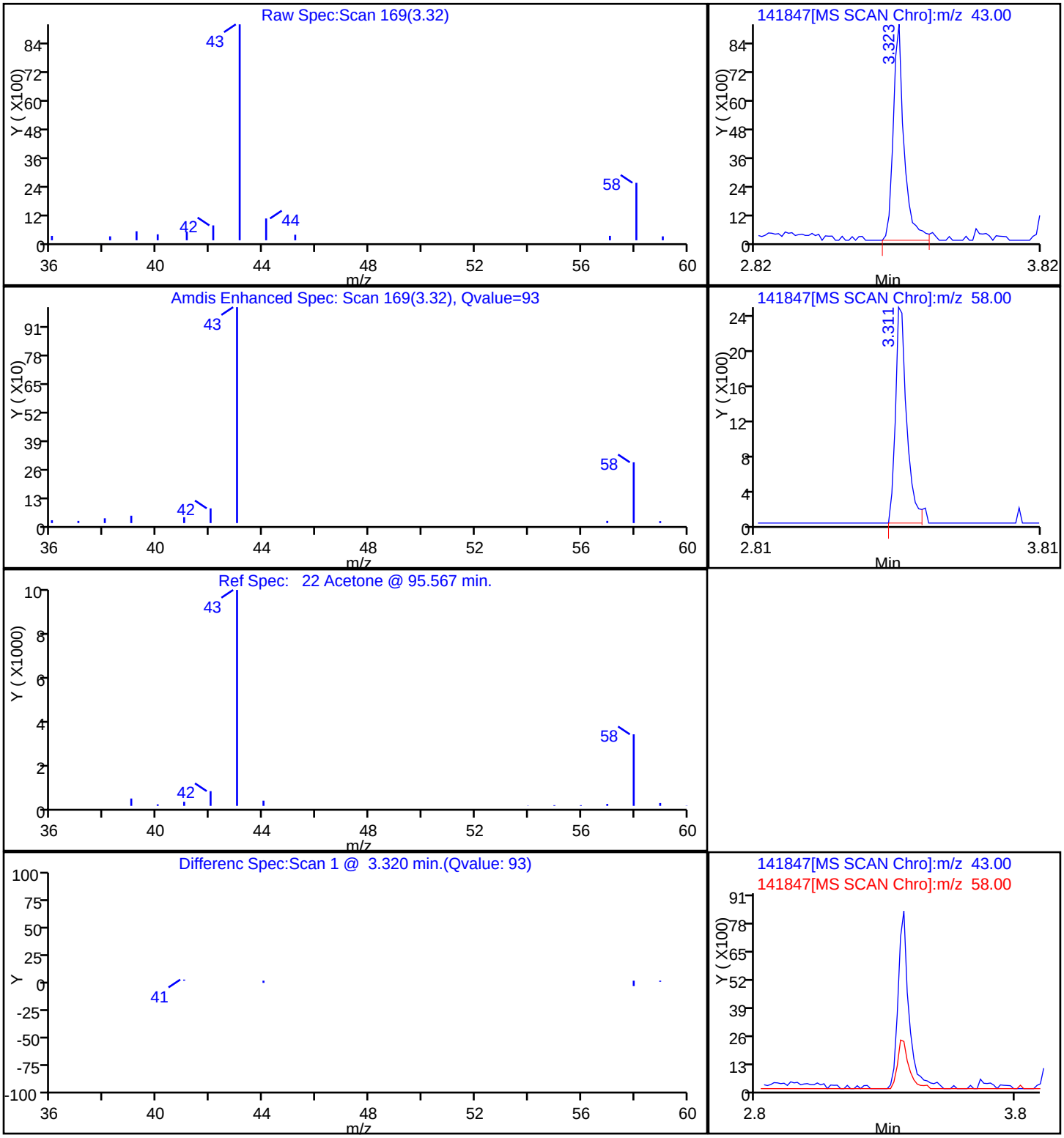
Report Date: 09-Apr-2013 16:29:01 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141847.D

Injection Date:	08-Apr-2013 18:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0028M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



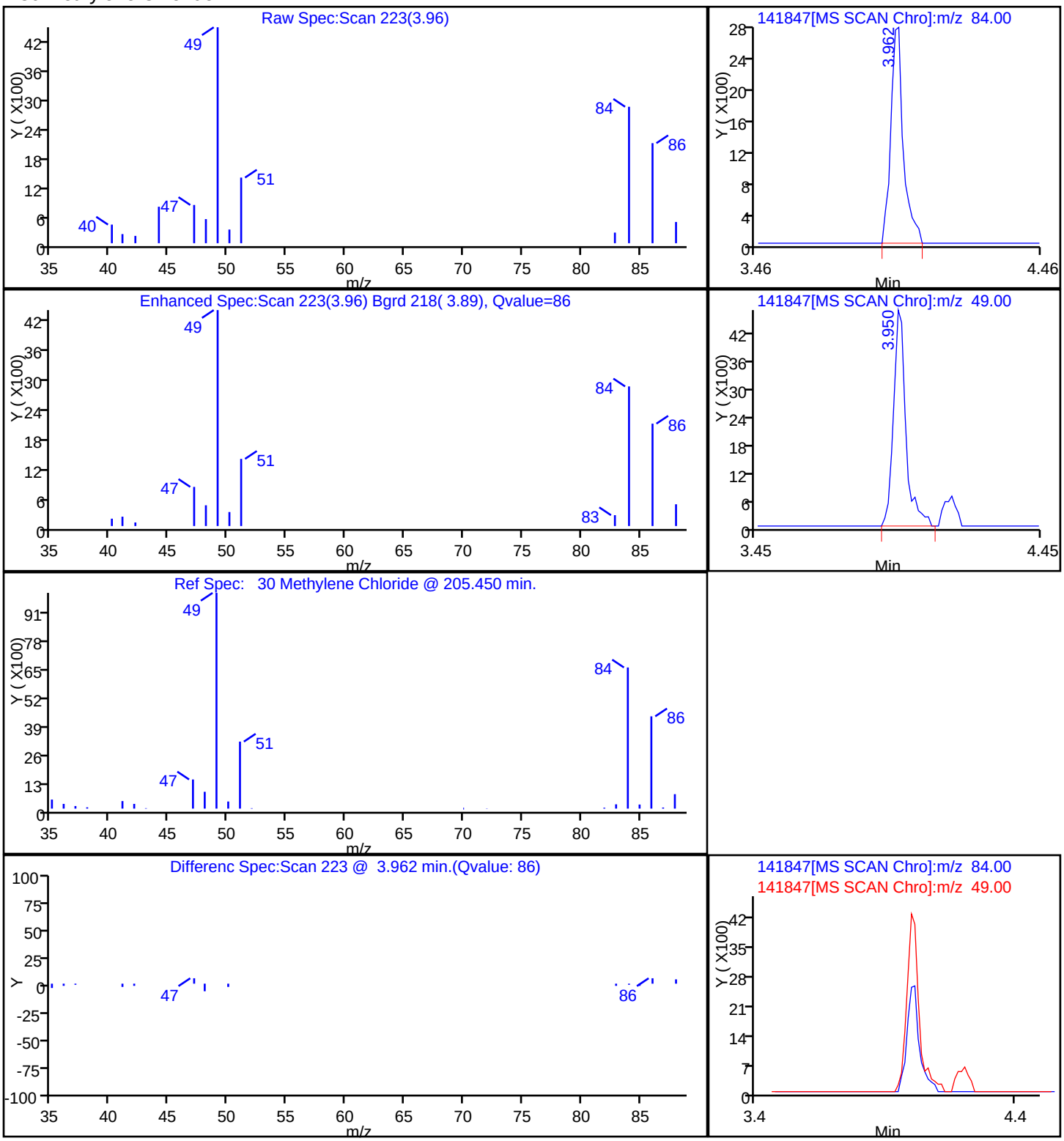
Report Date: 09-Apr-2013 16:29:01 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141847.D

Injection Date:	08-Apr-2013 18:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SB-0028M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0026-0001-TB | Lab Sample ID: 240-22663-30

Matrix: Water | Lab File ID: UXR3292.D

Analysis Method: 8260B/DoD | Date Collected: 04/01/2013 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2013 16:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 81013 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	6.2	J	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	1.2		1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28
67-66-3	Chloroform	0.25	U	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0026-0001-TB Lab Sample ID: 240-22663-30

Matrix: Water Lab File ID: UXR3292.D

Analysis Method: 8260B/DoD Date Collected: 04/01/2013 08:00

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 16:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 81013 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	86		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		70-120
460-00-4	4-Bromofluorobenzene (Surr)	80		75-120
1868-53-7	Dibromofluoromethane (Surr)	99		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3292.D
Lims ID: 240-22663-A-30 Client ID: 068SB-0026-0001-TB
Inject. Date: 08-Apr-2013 16:27:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018651-014
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 81013 Lims Sample ID: 14
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130408-18651.b\8260_10.m
Last Update: 09-Apr-2013 08:43:29 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK021

First Level Reviewer: quayler Date: 09-Apr-2013 08:33:17

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.198	5.200	-0.002	99	1758282	10.0	
* 2 Chlorobenzene-d5	117	7.872	7.874	-0.002	88	1188123	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.121	10.122	-0.001	95	554751	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.630	4.629	0.001	59	400668	9.88	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.914	4.913	0.001	0	489546	9.20	
$ 7 Toluene-d8 (Surr)	98	6.559	6.570	-0.011	94	1423502	8.61	
$ 8 4-Bromofluorobenzene (Surr)	95	8.985	8.984	0.001	87	497769	7.98	
13 Chloromethane	50		1.695					9
14 Vinyl chloride	62		1.789					
16 Bromomethane	94		2.085					
17 Chloroethane	64		2.168					
23 1,1-Dichloroethene	96		2.807					
24 Acetone	43	2.820	2.819	0.001	93	77003	6.20	
27 Carbon disulfide	76		3.008					
31 Methylene Chloride	84	3.187	3.197	-0.010	96	95911	1.15	
35 Methyl tert-butyl ether	73		3.422					
34 trans-1,2-Dichloroethene	96		3.422					
37 1,1-Dichloroethane	63		3.765					
43 cis-1,2-Dichloroethene	96		4.239					
42 2-Butanone (MEK)	43		4.239					
48 Chlorobromomethane	128		4.440					
50 Chloroform	83		4.499					9
51 1,1,1-Trichloroethane	97		4.677					
54 Carbon tetrachloride	117		4.819					
56 1,2-Dichloroethane	62		4.972					
57 Benzene	78		4.984					9
61 Trichloroethene	130		5.517					
64 1,2-Dichloropropane	63		5.694					
68 Dichlorobromomethane	83		5.919					
71 cis-1,3-Dichloropropene	75		6.309					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
72 4-Methyl-2-pentanone (MIBK)	43	6.441	6.440	0.001	66	9094	0.2163	
73 Toluene	91		6.629					9
74 trans-1,3-Dichloropropene	75		6.795					
76 1,1,2-Trichloroethane	97		6.960					
78 Tetrachloroethene	164		7.126					
79 2-Hexanone	43		7.185					9
81 Chlorodibromomethane	129		7.327					
83 Ethylene Dibromide	107		7.445					
85 Chlorobenzene	112		7.907					
87 Ethylbenzene	106		8.002					
88 m-Xylene & p-Xylene	106		8.108					
89 o-Xylene	106		8.487					
90 Styrene	104		8.499					
91 Bromoform	173		8.676					
95 1,1,2,2-Tetrachloroethane	83		9.102					
S 120 1,2-Dichloroethene, Total	96		1.140					7
S 122 Xylenes, Total	106		16.530					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

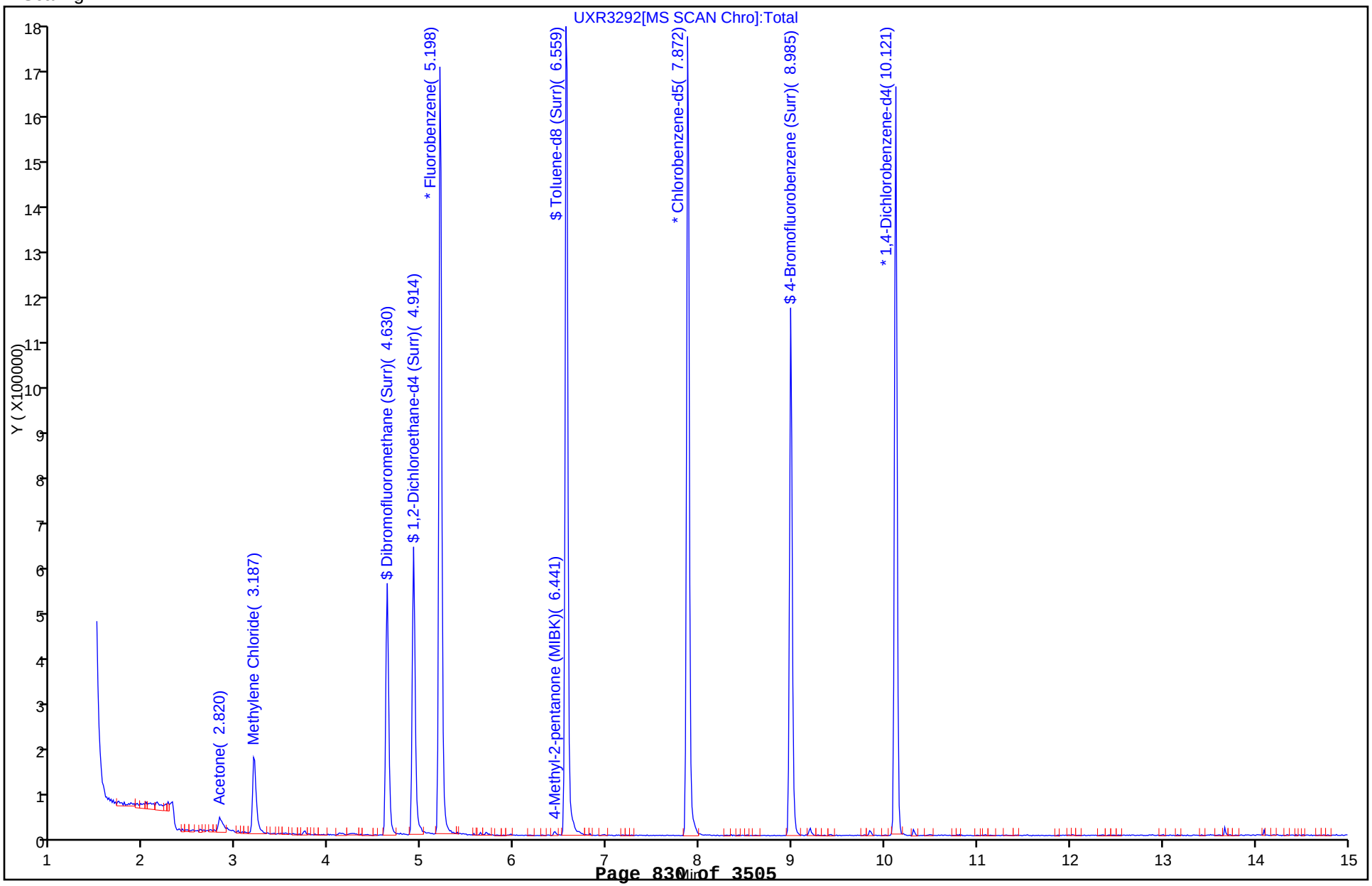
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TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3292.D

Injection Date:	08-Apr-2013 16:27:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	068SB-0026-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



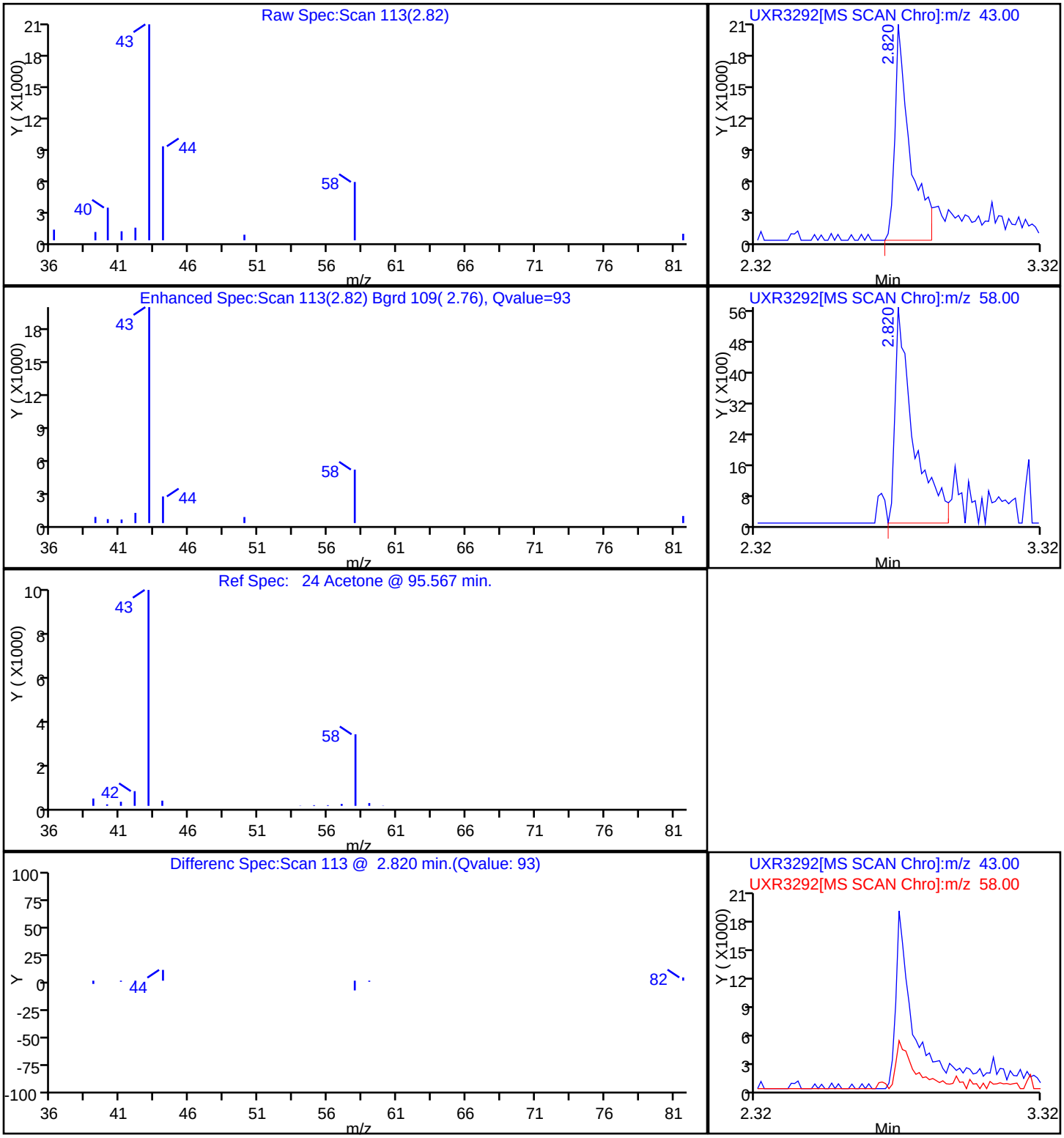
Report Date: 09-Apr-2013 08:43:37 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3292.D

Injection Date:	08-Apr-2013 16:27:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	068SB-0026-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

24 Acetone



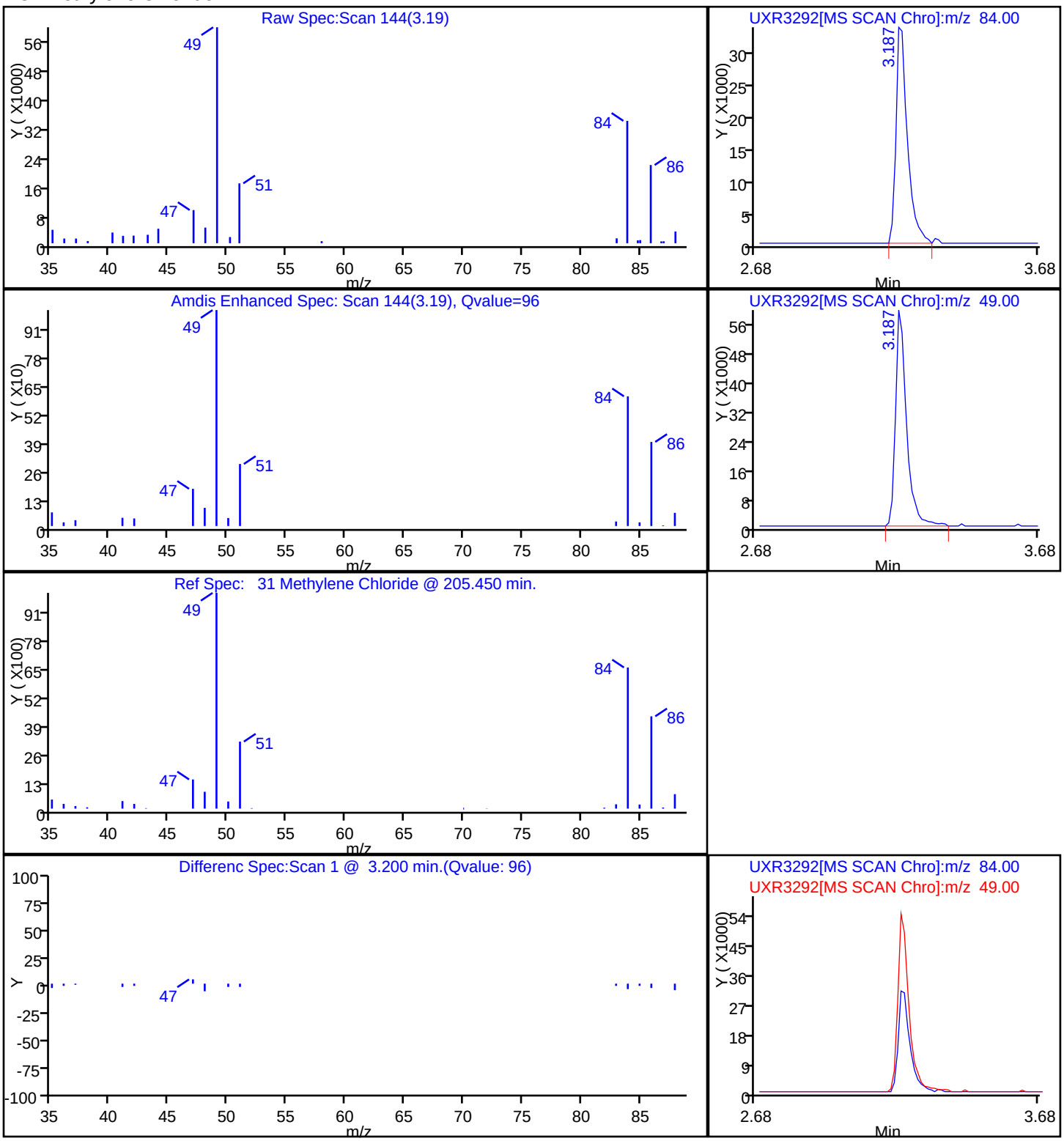
Report Date: 09-Apr-2013 08:43:37 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3292.D

Injection Date:	08-Apr-2013 16:27:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	068SB-0026-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

31 Methylene Chloride



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80277

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:09 Calibration End Date: 04/02/2013 14:56 Calibration ID: 14338

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-80277/7	UXX3075.D
Level 2	STD8260 240-80277/6	UXX3074.D
Level 3	STD8260 240-80277/5	UXX3073.D
Level 4	STD8260 240-80277/4	UXX3072.D
Level 5	STD8260 240-80277/3	UXX3071.D
Level 6	STD8260 240-80277/2	UXX3070.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2222 0.2393	0.2055	0.2175	0.2058	0.2125	Ave		0.2171			0.1000	5.8		15.0			
Chloromethane	0.5916 0.5622	0.5897	0.5786	0.5784	0.5625	Ave		0.5772			0.1000	2.2		15.0			
Vinyl chloride	0.4038 0.3829	0.3937	0.3892	0.3811	0.3777	Ave		0.3881			0.1000	2.5		15.0			
Bromomethane	0.1637 0.1368	0.1534	0.1435	0.1404	0.1311	Ave		0.1448			0.0500	8.2		15.0			
Chloroethane	0.2303 0.2043	0.2315	0.2156	0.2144	0.1990	Ave		0.2158				6.1		15.0			
Trichlorofluoromethane	0.2699 0.2829	0.2756	0.2909	0.2699	0.2748	Ave		0.2773			0.1000	3.0		15.0			
Acrolein	0.0350 0.0383	0.0363	0.0370	0.0359	0.0418	Ave		0.0374				6.5		15.0			
1,1-Dichloroethene	0.2699 0.2518	0.2620	0.2637	0.2580	0.2529	Ave		0.2597			0.1000	2.6		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2127 0.1842	0.2017	0.1992	0.1829	0.1854	Ave		0.1943			0.0500	6.2		15.0			
Acetone	0.0787 0.0614	0.0793	0.0672	0.0568	0.0806	Ave		0.0707			0.0500	15.0		15.0			
Iodomethane	0.4090 0.4036	0.4185	0.4094	0.4191	0.4055	Ave		0.4108				1.6		15.0			
Carbon disulfide	0.8527 0.9048	0.8508	0.8695	0.8862	0.8927	Ave		0.8761			0.1000	2.5		15.0			
Acetonitrile	0.0177 0.0148	0.0184	0.0206	0.0148	0.0288	Ave		0.0192				27.0	*	15.0			
Methyl acetate	0.2183 0.2093	0.2264	0.2159	0.1991	0.2369	Ave		0.2176			0.1000	6.0		15.0			
Methylene Chloride	0.5022 0.2965	0.3828	0.3426	0.3196	0.3077	Lin1	0.2056	0.2943			0.1000				1.0000		0.9950

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80277

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:09 Calibration End Date: 04/02/2013 14:56 Calibration ID: 14338

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Methyl-2-propanol	0.0091 0.0074	0.0092	0.0105	0.0072	0.0150	Ave		0.0097				29.0	*	15.0			
Acrylonitrile	0.0921 0.1078	0.1050	0.1041	0.0966	0.1242	Ave		0.1050				11.0		15.0			
Methyl tert-butyl ether	0.6041 0.6538	0.5929	0.6441	0.6027	0.6630	Ave		0.6267			0.1000	4.8		15.0			
trans-1,2-Dichloroethene	0.2975 0.3062	0.3089	0.3066	0.3065	0.3089	Ave		0.3058			0.1000	1.4		15.0			
Hexane	0.0579 0.0616	0.0604	0.0620	0.0584	0.0610	Ave		0.0602				2.8		15.0			
1,1-Dichloroethane	0.5772 0.5733	0.5821	0.5623	0.5710	0.5814	Ave		0.5745			0.1000	1.3		15.0			
Vinyl acetate	0.0358 0.0551	0.0444	0.0472	0.0499	0.0559	Ave		0.0480				15.0		15.0			
2-Butanone (MEK)	0.1287 0.1064	0.1085	0.1213	0.1024	0.1338	Ave		0.1169			0.0500	11.0		15.0			
cis-1,2-Dichloroethene	0.3078 0.3146	0.3092	0.3163	0.3153	0.3207	Ave		0.3140			0.1000	1.5		15.0			
2,2-Dichloropropane	0.2603 0.2774	0.2594	0.2729	0.2771	0.2732	Ave		0.2701				3.0		15.0			
Bromochloromethane	0.1374 0.1405	0.1445	0.1379	0.1389	0.1436	Ave		0.1405				2.1		15.0			
Tetrahydrofuran	0.0823 0.0710	0.0882	0.0778	0.0677	0.0849	Ave		0.0786				10.0		15.0			
Chloroform	0.4683 0.4636	0.4731	0.4678	0.4584	0.4661	Ave		0.4662				1.1		15.0			
1,1,1-Trichloroethane	0.3492 0.3695	0.3671	0.3650	0.3676	0.3713	Ave		0.3650			0.1000	2.2		15.0			
Cyclohexane	0.5863 0.6576	0.6128	0.6397	0.6334	0.6496	Ave		0.6299			0.1000	4.2		15.0			
1,1-Dichloropropene	0.3387 0.3711	0.3489	0.3642	0.3676	0.3720	Ave		0.3604				3.8		15.0			
Carbon tetrachloride	0.2802 0.3067	0.2793	0.2978	0.2982	0.3003	Ave		0.2938			0.1000	3.8		15.0			
1,2-Dichloroethane	0.3855 0.3881	0.3756	0.3932	0.3785	0.3998	Ave		0.3868			0.1000	2.3		15.0			
Benzene	1.1387 1.1662	1.1284	1.1480	1.1551	1.1613	Ave		1.1496			0.5000	1.2		15.0			
Trichloroethene	0.2812 0.2858	0.2772	0.2820	0.2908	0.2907	Ave		0.2846			0.2000	1.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80277

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:09 Calibration End Date: 04/02/2013 14:56 Calibration ID: 14338

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methylcyclohexane	0.3897 0.4252	0.3811	0.4143	0.4049	0.4193	Ave		0.4057			0.1000	4.3		15.0			
1,2-Dichloropropane	0.2881 0.3113	0.2860	0.3007	0.2988	0.3112	Ave		0.2994			0.1000	3.6		15.0			
Dibromomethane	0.1344 0.1383	0.1409	0.1387	0.1386	0.1478	Ave		0.1398				3.2		15.0			
1,4-Dioxane	0.0015 0.0007	0.0011	0.0014	0.0012	0.0020	Ave		0.0013				33.0	*	15.0			
Bromodichloromethane	0.2598 0.3254	0.2774	0.2802	0.3016	0.3185	Ave		0.2938			0.1000	8.7		15.0			
2-Chloroethyl vinyl ether	0.1066 0.1585	0.1067	0.1279	0.1345	0.1598	Lin1	-0.165	0.1582							0.9960		0.9950
cis-1,3-Dichloropropene	0.2439 0.3900	0.2866	0.3124	0.3371	0.3691	Lin1	-0.192	0.3832			0.1500				0.9980		0.9950
4-Methyl-2-pentanone (MIBK)	0.2057 0.2408	0.2106	0.2482	0.2407	0.2886	Ave		0.2391			0.0500	13.0		15.0			
Toluene	1.6419 1.8708	1.6689	1.7033	1.8007	1.8095	Ave		1.7492			0.4000	5.2		15.0			
trans-1,3-Dichloropropene	0.3131 0.4929	0.3282	0.3846	0.4073	0.4473	Lin1	-0.260	0.4768			0.1000				0.9950		0.9950
Ethyl methacrylate	0.2878 0.4601	0.3253	0.3845	0.3983	0.4650	Lin1	-0.238	0.4612							0.9980		0.9950
1,1,2-Trichloroethane	0.3100 0.3145	0.2947	0.3178	0.3158	0.3219	Ave		0.3124			0.1000	3.1		15.0			
1,3-Dichloropropane	0.5427 0.5617	0.5253	0.5343	0.5491	0.5693	Ave		0.5471				3.0		15.0			
Tetrachloroethene	0.3204 0.3248	0.3283	0.3227	0.3288	0.3299	Ave		0.3258			0.2000	1.2		15.0			
2-Hexanone	0.2114 0.2455	0.2345	0.2348	0.2478	0.2878	Ave		0.2436			0.0500	10.0		15.0			
Dibromochloromethane	0.2303 0.3279	0.2566	0.2831	0.2962	0.3150	Ave		0.2849				13.0		15.0			
1,2-Dibromoethane	0.2791 0.2963	0.2861	0.2945	0.2857	0.3127	Ave		0.2924				4.0		15.0			
Chlorobenzene	1.0868 1.1127	1.0507	1.0922	1.0970	1.1162	Ave		1.0926			0.3000	2.2		15.0			
1,1,1,2-Tetrachloroethane	0.3224 0.3655	0.3347	0.3461	0.3476	0.3634	Ave		0.3466				4.8		15.0			
Ethylbenzene	0.5336 0.6119	0.5469	0.5755	0.6099	0.6201	Ave		0.5830				6.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80277

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:09 Calibration End Date: 04/02/2013 14:56 Calibration ID: 14338

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	0.6398 0.7742	0.6859	0.7411	0.7704	0.7804	Ave		0.7320				7.8		15.0			
o-Xylene	0.6178 0.7186	0.6684	0.7089	0.7279	0.7558	Ave		0.6996				7.0		15.0			
Styrene	0.9840 1.2376	1.0216	1.1402	1.1906	1.2653	Ave		1.1399			0.3000	10.0		15.0			
Bromoform	0.1606 0.1890	0.1542	0.1588	0.1704	0.1883	Ave		0.1702			0.1000	8.9		15.0			
Isopropylbenzene	1.4884 1.8095	1.5558	1.7129	1.7696	1.8564	Ave		1.6988			0.1000	8.6		15.0			
1,1,2,2-Tetrachloroethane	0.7052 0.6682	0.6825	0.7180	0.6953	0.7349	Ave		0.7007			0.3000	3.4		15.0			
Bromobenzene	0.7814 0.8667	0.8027	0.8117	0.8297	0.8492	Ave		0.8236				3.8		15.0			
1,2,3-Trichloropropane	0.2201 0.2101	0.2107	0.2293	0.2223	0.2338	Ave		0.2211				4.3		15.0			
trans-1,4-Dichloro-2-butene	0.1375 0.2488	0.1762	0.1817	0.2047	0.2096	Qua	-0.012	0.1782	0.0018						1.0000		0.9900
N-Propylbenzene	0.7051 0.9162	0.7686	0.8479	0.8819	0.9044	Ave		0.8374				10.0		15.0			
2-Chlorotoluene	0.7426 0.7977	0.7239	0.7811	0.8016	0.8146	Ave		0.7769				4.6		15.0			
1,3,5-Trimethylbenzene	2.0229 2.5884	2.1958	2.4489	2.5165	2.6134	Ave		2.3976				9.9		15.0			
4-Chlorotoluene	0.7176 0.8811	0.7837	0.8593	0.8687	0.8767	Ave		0.8312				8.0		15.0			
tert-Butylbenzene	1.8941 2.3926	1.9609	2.2220	2.0839	2.4045	Ave		2.1597				10.0		15.0			
1,2,4-Trimethylbenzene	2.0740 2.6183	2.2920	2.5296	2.5433	2.6567	Ave		2.4523				9.2		15.0			
sec-Butylbenzene	2.3958 2.8370	2.4791	2.7786	2.7835	2.9380	Ave		2.7020				7.9		15.0			
1,3-Dichlorobenzene	1.5748 1.4847	1.5643	1.5196	1.5069	1.5575	Ave		1.5346			0.6000	2.4		15.0			
4-Isopropyltoluene	1.8899 2.3216	2.0207	2.2677	2.2683	2.4727	Ave		2.2068				9.6		15.0			
1,4-Dichlorobenzene	1.6506 1.5648	1.6662	1.6012	1.5676	1.6160	Ave		1.6111			0.5000	2.6		15.0			
n-Butylbenzene	1.6426 1.9718	1.7614	1.8453	1.8900	2.0848	Ave		1.8660				8.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80277

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:09 Calibration End Date: 04/02/2013 14:56 Calibration ID: 14338

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.4844 1.3034	1.3999	1.4612	1.3726	1.4456	Ave		1.4112			0.4000	4.7		15.0			
1,2-Dibromo-3-Chloropropane	0.0854 0.0663	0.0846	0.0810	0.0842	0.0991	Ave		0.0834			0.0500	13.0		15.0			
1,3,5-Trichlorobenzene	0.8127 0.6326	0.8064	0.8197	0.7327	0.7963	Ave		0.7668				9.5		15.0			
1,2,4-Trichlorobenzene	0.6795 0.4371	0.6757	0.6367	0.6049	0.6560	Ave		0.6150			0.2000	15.0		15.0			
Hexachlorobutadiene	0.3992 +++++	0.3761	0.3440	0.2753	0.2713	Lin	0.2385	0.2594							0.9970		0.9950
Naphthalene	1.3863 +++++	1.4978	1.4996	1.6086	1.6668	Ave		1.5318				7.1		15.0			
1,2,3-Trichlorobenzene	0.6587 +++++	0.6370	0.5880	0.6081	0.4879	Ave		0.5959				11.0		15.0			
Dibromofluoromethane (Surr)	0.2266 0.2319	0.2288	0.2304	0.2354	0.2306	Ave		0.2306				1.3		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2926 0.3073	0.2986	0.3068	0.2961	0.3137	Ave		0.3025				2.6		15.0			
Toluene-d8 (Surr)	1.2265 1.5314	1.3077	1.3687	1.4584	1.4611	Ave		1.3923				8.1		15.0			
4-Bromofluorobenzene (Surr)	0.4984 0.5227	0.5034	0.5263	0.5418	0.5569	Ave		0.5249				4.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80277

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:09 Calibration End Date: 04/02/2013 14:56 Calibration ID: 14338

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-80277/7	UXX3075.D
Level 2	STD8260 240-80277/6	UXX3074.D
Level 3	STD8260 240-80277/5	UXX3073.D
Level 4	STD8260 240-80277/4	UXX3072.D
Level 5	STD8260 240-80277/3	UXX3071.D
Level 6	STD8260 240-80277/2	UXX3070.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	41808 1835557	76451	206542	388278	836350	1.00 40.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	111283 4313083	219331	549588	1091071	2213857	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	75970 2937374	146420	369625	718978	1486280	1.00 40.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	30796 1049185	57064	136308	264871	516044	1.00 40.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	43323 1567299	86103	204752	404385	783101	1.00 40.0	2.00	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	50765 2170186	102492	276289	509141	1081571	1.00 40.0	2.00	5.00	10.0	20.0
Acrolein	FB	Ave	65886 2939200	135071	351578	677987	1646729	10.0 400	20.0	50.0	100	200
1,1-Dichloroethene	FB	Ave	50773 1931607	97437	250444	486702	995436	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	40009 1413067	75005	189194	345127	729678	1.00 40.0	2.00	5.00	10.0	20.0
Acetone	FB	Ave	29614 942735	58956	127589	214301	634205	2.00 80.0	4.00	10.0	20.0	40.0
Iodomethane	FB	Ave	76936 3095996	155647	388846	790631	1595870	1.00 40.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	160407 6941399	316459	825846	1671847	3513199	1.00 40.0	2.00	5.00	10.0	20.0
Acetonitrile	FB	Ave	33296 1139089	68403	195670	279545	1134080	10.0 400	20.0	50.0	100	200
Methyl acetate	FB	Ave	82138 3211250	168438	410037	751347	1864409	2.00 80.0	4.00	10.0	20.0	40.0
Methylene Chloride	FB	Lin1	94480 2274360	142373	325364	602963	1210794	1.00 40.0	2.00	5.00	10.0	20.0
2-Methyl-2-propanol	FB	Ave	34310 1138548	68691	199602	270186	1182004	20.0 800	40.0	100	200	400

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80277

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:09 Calibration End Date: 04/02/2013 14:56 Calibration ID: 14338

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acrylonitrile	FB	Ave	34665 1654355	78101	197785	364607	977991	2.00 80.0	4.00	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	113631 5016015	220514	611736	1136948	2609326	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	55970 2349011	114906	291177	578214	1215831	1.00 40.0	2.00	5.00	10.0	20.0
Hexane	FB	Ave	10895 472496	22466	58852	110115	239948	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	108589 4397769	216504	534121	1077204	2287961	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	6741 422473	16510	44832	94086	219868	1.00 40.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	48427 1631836	80685	230509	386470	1053513	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	57896 2413541	114999	300408	594780	1262018	1.00 40.0	2.00	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	48972 2128392	96485	259157	522788	1075297	1.00 40.0	2.00	5.00	10.0	20.0
Bromochloromethane	FB	Ave	25849 1077627	53741	130955	261978	565124	1.00 40.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	15476 544339	32816	73937	127713	334073	1.00 40.0	2.00	5.00	10.0	20.0
Chloroform	FB	Ave	88100 3556460	175979	444361	864861	1834219	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	65682 2834800	136533	346696	693507	1461427	1.00 40.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	110292 5044672	227933	607572	1194894	2556545	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	63715 2846837	129757	345949	693529	1463993	1.00 40.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	52715 2352877	103877	282834	562577	1181970	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	72524 2977197	139709	373424	713999	1573270	1.00 40.0	2.00	5.00	10.0	20.0
Benzene	FB	Ave	214206 8946286	419724	1090372	2179168	4570236	1.00 40.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	52893 2192550	103093	267890	548675	1143984	1.00 40.0	2.00	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	73305 3261920	141740	393547	763780	1650193	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	54191 2388303	106391	285629	563763	1224612	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80277

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:09 Calibration End Date: 04/02/2013 14:56 Calibration ID: 14338

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dibromomethane	FB	Ave	25275 1061183	52408	131702	261420	581769	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dioxane	FB	Ave	13835 269850	19933	67618	115727	396451	50.0 2000	100	250	500	1000
Bromodichloromethane	FB	Ave	48876 2496662	103188	266156	568951	1253360	1.00 40.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	FB	Lin1	40096 2431875	79402	243031	507578	1257864	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,3-Dichloropropene	FB	Lin1	45884 2992302	106586	296762	635992	1452801	1.00 40.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	77389 3694586	156631	471560	908182	2271643	2.00 80.0	4.00	10.0	20.0	40.0
Toluene	CBZ	Ave	201451 9531258	409076	1083814	2212577	4785758	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Lin1	38420 2511313	80437	244704	500431	1183047	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Lin1	35308 2344024	79734	244660	489359	1229795	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	38038 1602244	72228	202217	388035	851341	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	66587 2861962	128770	340001	674740	1505554	1.00 40.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	39311 1654699	80477	205321	404048	872484	1.00 40.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Ave	51872 2501479	114942	298762	608892	1522127	2.00 80.0	4.00	10.0	20.0	40.0
Dibromochloromethane	CBZ	Ave	28260 1670758	62902	180147	363965	832983	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	34243 1509571	70130	187412	351092	827007	1.00 40.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	133342 5669175	257533	694989	1347988	2952129	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	39556 1862228	82028	220243	427108	961025	1.00 40.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	65475 3117579	134042	366166	749421	1639914	1.00 40.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	157001 7888959	336257	943071	1893294	4128059	2.00 80.0	4.00	10.0	20.0	40.0
o-Xylene	CBZ	Ave	75803 3660934	163835	451061	894442	1998813	1.00 40.0	2.00	5.00	10.0	20.0
Styrene	CBZ	Ave	120729 6305143	250408	725497	1462920	3346515	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80277

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:09 Calibration End Date: 04/02/2013 14:56 Calibration ID: 14338

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	19701 962930	37795	101068	209329	498007	1.00 40.0	2.00	5.00	10.0	20.0
Isopropylbenzene	CBZ	Ave	182617 9219334	381347	1089884	2174375	4909651	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	48615 1771993	98742	265678	479621	1109764	1.00 40.0	2.00	5.00	10.0	20.0
Bromobenzene	DCB	Ave	53862 2298628	116132	300338	572364	1282392	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	15170 557319	30486	84846	153378	353092	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Qua	9478 659792	25488	67242	141210	316572	1.00 40.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Ave	48604 2429858	111202	313733	608382	1365730	1.00 40.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	51192 2115608	104733	288997	552984	1230144	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	139445 6864548	317689	906112	1735992	3946506	1.00 40.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	49465 2336623	113390	317959	599293	1323957	1.00 40.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Ave	130568 6345424	283704	822158	1437554	3631076	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	142968 6944036	331606	935960	1754512	4011895	1.00 40.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	165149 7523861	358671	1028071	1920157	4436688	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	108558 3937535	226317	562270	1039549	2352045	1.00 40.0	2.00	5.00	10.0	20.0
4-Isopropyltoluene	DCB	Ave	130276 6157013	292347	839036	1564797	3734110	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	113782 4149857	241060	592458	1081385	2440421	1.00 40.0	2.00	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	113228 5229291	254834	682781	1303789	3148282	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	102327 3456849	202537	540651	946874	2183107	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	5890 175868	12238	29966	58073	149644	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	56023 1677832	116668	303305	505443	1202551	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	46838 1159330	97752	235570	417298	990579	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80277

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:09 Calibration End Date: 04/02/2013 14:56 Calibration ID: 14338

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobutadiene	DCB	Lin	27516 +++++	54419	127266	189922	409689	1.00 +++++	2.00	5.00	10.0	20.0
Naphthalene	DCB	Ave	95560 +++++	216702	554847	1109671	2517066	1.00 +++++	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	45409 +++++	92160	217550	419473	736820	1.00 +++++	2.00	5.00	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	42633 1778992	85103	218837	444109	907736	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	55051 2357223	111057	291388	558519	1234623	1.00 40.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	150483 7802147	320540	870878	1792074	3864284	1.00 40.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	61147 2662880	123380	334891	665764	1472995	1.00 40.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3070.D
Lims ID: STD8260 L6 Client ID:
Inject. Date: 02-Apr-2013 13:09:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0018471-002
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 80277 Lims Sample ID: 2
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130402-18471.b\8260_10.m
Last Update: 03-Apr-2013 11:29:03 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: quayler Date: 02-Apr-2013 15:06:09

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.197	5.209	-0.012	99	1917907	10.0	
* 2 Chlorobenzene-d5	117	7.872	7.871	0.001	86	1273712	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.120	10.119	0.001	87	663021	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.629	4.631	-0.002	58	1778992	40.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.913	4.915	-0.002	0	2357223	40.6	
$ 7 Toluene-d8 (Surr)	98	6.558	6.560	-0.002	90	7802147	44.0	
$ 8 4-Bromofluorobenzene (Surr)	95	8.984	8.986	-0.002	87	2662880	39.8	
12 Dichlorodifluoromethane	85	1.565	1.555	0.010	99	1835557	44.1	
13 Chloromethane	50	1.695	1.697	-0.002	99	4313083	39.0	
14 Vinyl chloride	62	1.801	1.792	0.009	97	2937374	39.5	
16 Bromomethane	94	2.085	2.076	0.009	90	1049185	37.8	
17 Chloroethane	64	2.168	2.158	0.010	97	1567299	37.9	
19 Trichlorofluoromethane	101	2.393	2.383	0.010	98	2170186	40.8	
21 Acrolein	56	2.701	2.703	-0.002	95	2939200	409.7	
23 1,1-Dichloroethene	96	2.807	2.809	-0.002	94	1931607	38.8	
24 Acetone	43	2.819	2.821	-0.002	57	942735	69.6	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.819	2.821	-0.002	92	1413067	37.9	
26 Iodomethane	142	2.937	2.939	-0.002	97	3095996	39.3	
27 Carbon disulfide	76	3.008	2.999	0.010	100	6941399	41.3	
28 Acetonitrile	41	3.044	3.046	-0.002	95	1139089	309.4	
30 Methyl acetate	43	3.103	3.093	0.010	98	3211250	76.9	
31 Methylene Chloride	84	3.186	3.188	-0.002	91	2274360	39.6	
32 2-Methyl-2-propanol	59	3.257	3.259	-0.002	93	1138548	609.3	
33 Acrylonitrile	53	3.375	3.377	-0.002	96	1654355	82.2	
35 Methyl tert-butyl ether	73	3.423	3.424	-0.002	91	5016015	41.7	
34 trans-1,2-Dichloroethene	96	3.423	3.424	-0.002	81	2349011	40.1	
36 Hexane	86	3.659	3.661	-0.002	94	472496	40.9	
37 1,1-Dichloroethane	63	3.766	3.768	-0.002	97	4397769	39.9	
38 Vinyl acetate	86	3.789	3.791	-0.002	96	422473	45.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.239	4.241	-0.002	95	1631836	72.8	
43 cis-1,2-Dichloroethene	96	4.239	4.241	-0.002	87	2413541	40.1	
44 2,2-Dichloropropane	77	4.251	4.253	-0.002	85	2128392	41.1	
48 Chlorobromomethane	128	4.440	4.442	-0.002	90	1077627	40.0	
49 Tetrahydrofuran	42	4.487	4.489	-0.002	81	544339	36.1	
50 Chloroform	83	4.499	4.489	0.010	96	3556460	39.8	
51 1,1,1-Trichloroethane	97	4.677	4.679	-0.002	93	2834800	40.5	
52 Cyclohexane	56	4.736	4.738	-0.002	92	5044672	41.8	
53 1,1-Dichloropropene	75	4.807	4.809	-0.002	90	2846837	41.2	
54 Carbon tetrachloride	117	4.819	4.821	-0.002	87	2352877	41.8	
57 Benzene	78	4.984	4.975	0.009	97	8946286	40.6	
56 1,2-Dichloroethane	62	4.973	4.975	-0.002	54	2977197	40.1	
61 Trichloroethene	130	5.517	5.507	0.010	97	2192550	40.2	
64 1,2-Dichloropropane	63	5.694	5.696	-0.002	91	2388303	41.6	
63 Methylcyclohexane	83	5.694	5.696	-0.002	95	3261920	41.9	
67 1,4-Dioxane	88	5.801	5.803	-0.002	89	269850	1067.0	
66 Dibromomethane	93	5.801	5.803	-0.002	91	1061183	39.6	
68 Dichlorobromomethane	83	5.919	5.921	-0.002	98	2496662	44.3	
70 2-Chloroethyl vinyl ether	63	6.168	6.170	-0.002	90	2431875	81.2	
71 cis-1,3-Dichloropropene	75	6.310	6.312	-0.002	89	2992302	41.2	
72 4-Methyl-2-pentanone (MIBK)	43	6.440	6.442	-0.002	98	3694586	80.6	
73 Toluene	91	6.629	6.619	0.010	97	9531258	42.8	
74 trans-1,3-Dichloropropene	75	6.795	6.797	-0.002	97	2511313	41.9	
75 Ethyl methacrylate	69	6.866	6.868	-0.002	94	2344024	40.4	
76 1,1,2-Trichloroethane	97	6.961	6.962	-0.001	92	1602244	40.3	
77 1,3-Dichloropropane	76	7.114	7.116	-0.002	97	2861962	41.1	
78 Tetrachloroethene	164	7.126	7.128	-0.002	97	1654699	39.9	
79 2-Hexanone	43	7.185	7.175	0.010	99	2501479	80.6	
81 Chlorodibromomethane	129	7.327	7.329	-0.002	90	1670758	46.0	
83 Ethylene Dibromide	107	7.446	7.448	-0.002	98	1509571	40.5	
85 Chlorobenzene	112	7.907	7.897	0.010	91	5669175	40.7	
86 1,1,1,2-Tetrachloroethane	131	7.966	7.968	-0.002	89	1862228	42.2	
87 Ethylbenzene	106	8.002	8.004	-0.002	98	3117579	42.0	
88 m-Xylene & p-Xylene	106	8.108	8.110	-0.002	99	7888959	84.6	
89 o-Xylene	106	8.487	8.489	-0.002	90	3660934	41.1	
90 Styrene	104	8.499	8.501	-0.002	91	6305143	43.4	
91 Bromoform	173	8.676	8.678	-0.002	97	962930	44.4	
92 Isopropylbenzene	105	8.842	8.844	-0.002	95	9219334	42.6	
95 1,1,2,2-Tetrachloroethane	83	9.102	9.104	-0.002	94	1771993	38.1	
96 Bromobenzene	156	9.138	9.140	-0.002	96	2298628	42.1	
97 1,2,3-Trichloropropane	110	9.161	9.152	0.009	75	557319	38.0	
98 trans-1,4-Dichloro-2-butene	53	9.161	9.163	-0.002	75	659792	40.0	
99 N-Propylbenzene	120	9.244	9.234	0.010	98	2429858	43.8	
100 2-Chlorotoluene	126	9.327	9.329	-0.002	96	2115608	41.1	
101 1,3,5-Trimethylbenzene	105	9.410	9.412	-0.002	94	6864548	43.2	
102 4-Chlorotoluene	126	9.434	9.424	0.010	98	2336623	42.4	
103 tert-Butylbenzene	119	9.729	9.731	-0.002	92	6345424	44.3	
104 1,2,4-Trimethylbenzene	105	9.777	9.779	-0.002	98	6944036	42.7	
105 sec-Butylbenzene	105	9.942	9.944	-0.002	92	7523861	42.0	
106 1,3-Dichlorobenzene	146	10.061	10.063	-0.002	97	3937535	38.7	
107 4-Isopropyltoluene	119	10.084	10.086	-0.002	97	6157013	42.1	
108 1,4-Dichlorobenzene	146	10.144	10.146	-0.002	94	4149857	38.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.499	10.489	0.010	94	5229291	42.3	
111 1,2-Dichlorobenzene	146	10.510	10.512	-0.002	97	3456849	36.9	
112 1,2-Dibromo-3-Chloropropane	157	11.279	11.281	-0.002	80	175868	31.8	
113 1,3,5-Trichlorobenzene	180	11.504	11.506	-0.002	97	1677832	33.0	
114 1,2,4-Trichlorobenzene	180	12.120	12.122	-0.002	95	1159330	28.4	
115 Hexachlorobutadiene	225	12.297	12.299	-0.002	95	472661	26.6	
116 Naphthalene	128	12.368	12.370	-0.002	100	2239162	22.0	
117 1,2,3-Trichlorobenzene	180	12.617	12.619	-0.002	98	676291	17.1	
S 119 Trihalomethanes, Total	1				0		174.5	
S 120 1,2-Dichloroethene, Total	96				0		80.1	
S 121 1,3-Dichloropropene, Total	75				0		83.1	
S 122 Xylenes, Total	106				0		125.7	

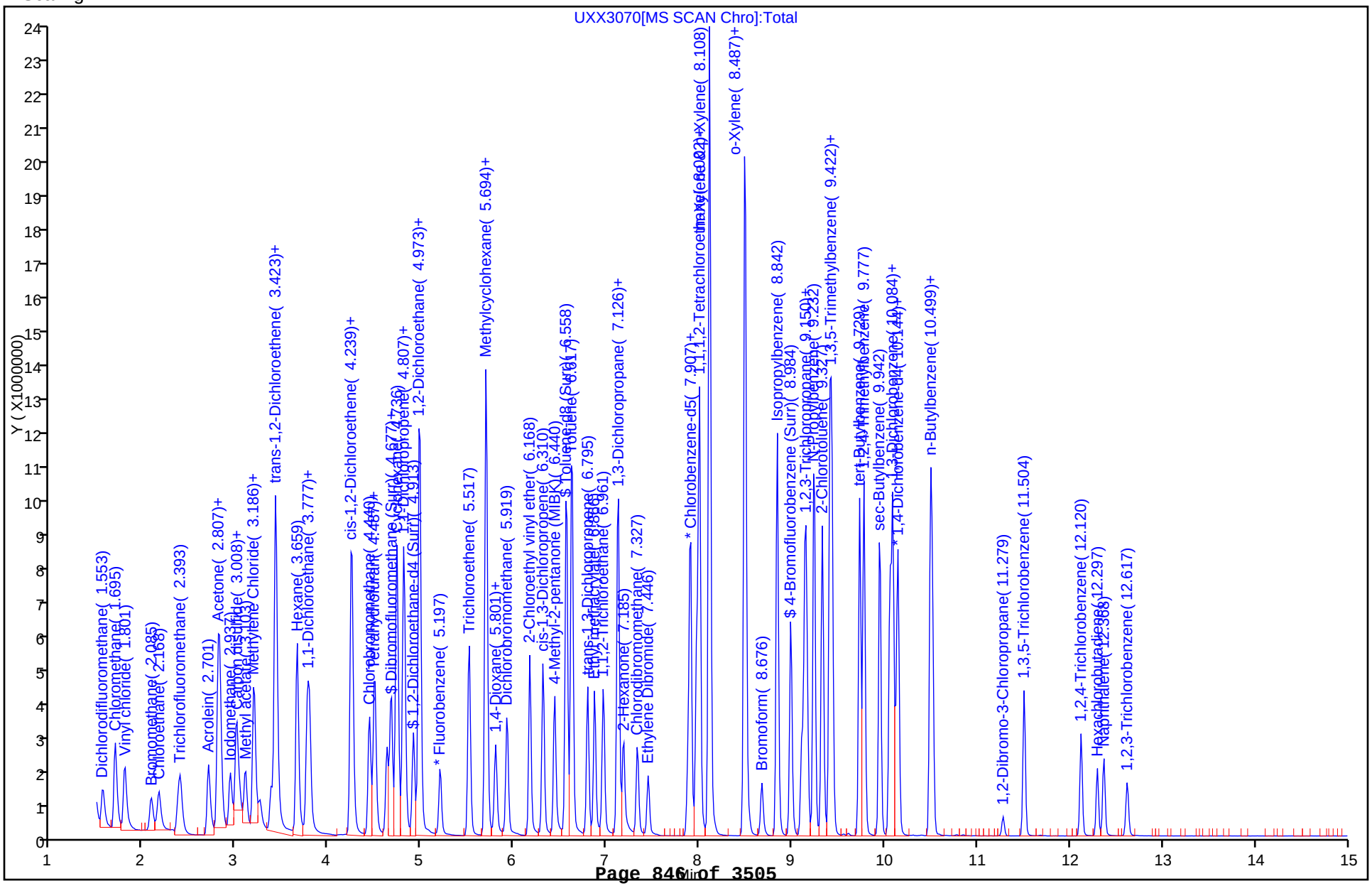
Report Date: 03-Apr-2013 11:29:04 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3070.D

Injection Date:	02-Apr-2013 13:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	80277	Lims Sample ID:	2
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3071.D
Lims ID: STD8260 L5 Client ID:
Inject. Date: 02-Apr-2013 13:31:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0018471-003
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 80277 Lims Sample ID: 3
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130402-18471.b\8260_10.m
Last Update: 03-Apr-2013 11:29:05 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.197	5.209	-0.012	99	1967796	10.0	
* 2 Chlorobenzene-d5	117	7.872	7.871	0.001	88	1322389	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.120	10.119	0.001	78	755062	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.629	4.631	-0.002	58	907736	20.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.913	4.915	-0.002	0	1234623	20.7	
$ 7 Toluene-d8 (Surr)	98	6.558	6.560	-0.002	94	3864284	21.0	
$ 8 4-Bromofluorobenzene (Surr)	95	8.984	8.986	-0.002	88	1472995	21.2	
12 Dichlorodifluoromethane	85	1.553	1.555	-0.002	96	836350	19.6	
13 Chloromethane	50	1.695	1.697	-0.002	99	2213857	19.5	
14 Vinyl chloride	62	1.790	1.792	-0.002	97	1486280	19.5	
16 Bromomethane	94	2.085	2.076	0.009	90	516044	18.1	
17 Chloroethane	64	2.168	2.158	0.010	97	783101	18.4	
19 Trichlorofluoromethane	101	2.381	2.383	-0.002	99	1081571	19.8	
21 Acrolein	56	2.701	2.703	-0.002	98	1646729	223.7	
23 1,1-Dichloroethene	96	2.807	2.809	-0.002	94	995436	19.5	
24 Acetone	43	2.819	2.821	-0.002	98	634205	45.6	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.819	2.821	-0.002	93	729678	19.1	
26 Iodomethane	142	2.937	2.939	-0.002	96	1595870	19.7	
27 Carbon disulfide	76	3.008	2.999	0.010	100	3513199	20.4	
28 Acetonitrile	41	3.056	3.046	0.010	99	1134080	300.2	
30 Methyl acetate	43	3.103	3.093	0.010	98	1864409	43.5	
31 Methylene Chloride	84	3.186	3.188	-0.002	93	1210794	20.2	
32 2-Methyl-2-propanol	59	3.257	3.259	-0.002	94	1182004	616.5	
33 Acrylonitrile	53	3.375	3.377	-0.002	99	977991	47.3	
35 Methyl tert-butyl ether	73	3.422	3.424	-0.002	91	2609326	21.2	
34 trans-1,2-Dichloroethene	96	3.422	3.424	-0.002	82	1215831	20.2	
36 Hexane	86	3.659	3.661	-0.002	95	239948	20.3	
37 1,1-Dichloroethane	63	3.766	3.768	-0.002	96	2287961	20.2	
38 Vinyl acetate	86	3.789	3.791	-0.002	96	219868	23.3	
42 2-Butanone (MEK)	43	4.239	4.241	-0.002	58	1053513	45.8	
43 cis-1,2-Dichloroethene	96	4.239	4.241	-0.002	86	1262018	20.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.251	4.253	-0.002	83	1075297	20.2	
48 Chlorobromomethane	128	4.440	4.442	-0.002	88	565124	20.4	
49 Tetrahydrofuran	42	4.487	4.489	-0.002	86	334073	21.6	
50 Chloroform	83	4.499	4.489	0.010	96	1834219	20.0	
51 1,1,1-Trichloroethane	97	4.677	4.679	-0.002	93	1461427	20.3	
52 Cyclohexane	56	4.736	4.738	-0.002	92	2556545	20.6	
53 1,1-Dichloropropene	75	4.807	4.809	-0.002	91	1463993	20.6	
54 Carbon tetrachloride	117	4.819	4.821	-0.002	90	1181970	20.4	
57 Benzene	78	4.984	4.975	0.009	97	4570236	20.2	
56 1,2-Dichloroethane	62	4.973	4.975	-0.002	55	1573270	20.7	
61 Trichloroethene	130	5.517	5.507	0.010	97	1143984	20.4	
64 1,2-Dichloropropane	63	5.694	5.696	-0.002	94	1224612	20.8	
63 Methylcyclohexane	83	5.694	5.696	-0.002	95	1650193	20.7	
67 1,4-Dioxane	88	5.813	5.803	0.010	85	396451	1527.9	
66 Dibromomethane	93	5.801	5.803	-0.002	91	581769	21.2	
68 Dichlorobromomethane	83	5.919	5.921	-0.002	99	1253360	21.7	
70 2-Chloroethyl vinyl ether	63	6.168	6.170	-0.002	91	1257864	41.5	
71 cis-1,3-Dichloropropene	75	6.310	6.312	-0.002	89	1452801	19.8	
72 4-Methyl-2-pentanone (MIBK)	43	6.440	6.442	-0.002	98	2271643	48.3	
73 Toluene	91	6.617	6.619	-0.002	97	4785758	20.7	
74 trans-1,3-Dichloropropene	75	6.795	6.797	-0.002	97	1183047	19.3	
75 Ethyl methacrylate	69	6.866	6.868	-0.002	95	1229795	20.7	
76 1,1,2-Trichloroethane	97	6.960	6.962	-0.002	92	851341	20.6	
77 1,3-Dichloropropane	76	7.114	7.116	-0.002	97	1505554	20.8	
78 Tetrachloroethene	164	7.126	7.128	-0.002	97	872484	20.2	
79 2-Hexanone	43	7.185	7.175	0.010	99	1522127	47.3	
81 Chlorodibromomethane	129	7.327	7.329	-0.002	91	832983	22.1	
83 Ethylene Dibromide	107	7.446	7.448	-0.002	99	827007	21.4	
85 Chlorobenzene	112	7.907	7.897	0.010	94	2952129	20.4	
86 1,1,1,2-Tetrachloroethane	131	7.966	7.968	-0.002	84	961025	21.0	
87 Ethylbenzene	106	8.002	8.004	-0.002	98	1639914	21.3	
88 m-Xylene & p-Xylene	106	8.108	8.110	-0.002	99	4128059	42.6	
89 o-Xylene	106	8.487	8.489	-0.002	89	1998813	21.6	
90 Styrene	104	8.499	8.501	-0.002	92	3346515	22.2	
91 Bromoform	173	8.676	8.678	-0.002	98	498007	22.1	
92 Isopropylbenzene	105	8.842	8.844	-0.002	95	4909651	21.9	
95 1,1,2,2-Tetrachloroethane	83	9.102	9.104	-0.002	89	1109764	21.0	
96 Bromobenzene	156	9.138	9.140	-0.002	96	1282392	20.6	
97 1,2,3-Trichloropropane	110	9.161	9.152	0.009	75	353092	21.2	
98 trans-1,4-Dichloro-2-butene	53	9.161	9.163	-0.002	62	316572	19.7	
99 N-Propylbenzene	120	9.244	9.234	0.010	98	1365730	21.6	
100 2-Chlorotoluene	126	9.327	9.329	-0.002	97	1230144	21.0	
101 1,3,5-Trimethylbenzene	105	9.410	9.412	-0.002	94	3946506	21.8	
102 4-Chlorotoluene	126	9.434	9.424	0.010	97	1323957	21.1	
103 tert-Butylbenzene	119	9.729	9.731	-0.002	92	3631076	22.3	
104 1,2,4-Trimethylbenzene	105	9.777	9.779	-0.002	76	4011895	21.7	
105 sec-Butylbenzene	105	9.942	9.944	-0.002	94	4436688	21.7	
106 1,3-Dichlorobenzene	146	10.061	10.063	-0.002	97	2352045	20.3	
107 4-Isopropyltoluene	119	10.084	10.086	-0.002	97	3734110	22.4	
108 1,4-Dichlorobenzene	146	10.144	10.146	-0.002	94	2440421	20.1	
110 n-Butylbenzene	91	10.487	10.489	-0.002	96	3148282	22.3	
111 1,2-Dichlorobenzene	146	10.510	10.512	-0.002	97	2183107	20.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.279	11.281	-0.002	79	149644	23.8	
113 1,3,5-Trichlorobenzene	180	11.504	11.506	-0.002	97	1202551	20.8	
114 1,2,4-Trichlorobenzene	180	12.120	12.122	-0.002	94	990579	21.3	
115 Hexachlorobutadiene	225	12.297	12.299	-0.002	96	409689	20.0	
116 Naphthalene	128	12.368	12.370	-0.002	100	2517066	21.8	
117 1,2,3-Trichlorobenzene	180	12.617	12.619	-0.002	99	736820	16.4	
S 119 Trihalomethanes, Total	1				0		85.9	
S 120 1,2-Dichloroethene, Total	96				0		40.6	
S 121 1,3-Dichloropropene, Total	75				0		39.1	
S 122 Xylenes, Total	106				0		64.3	

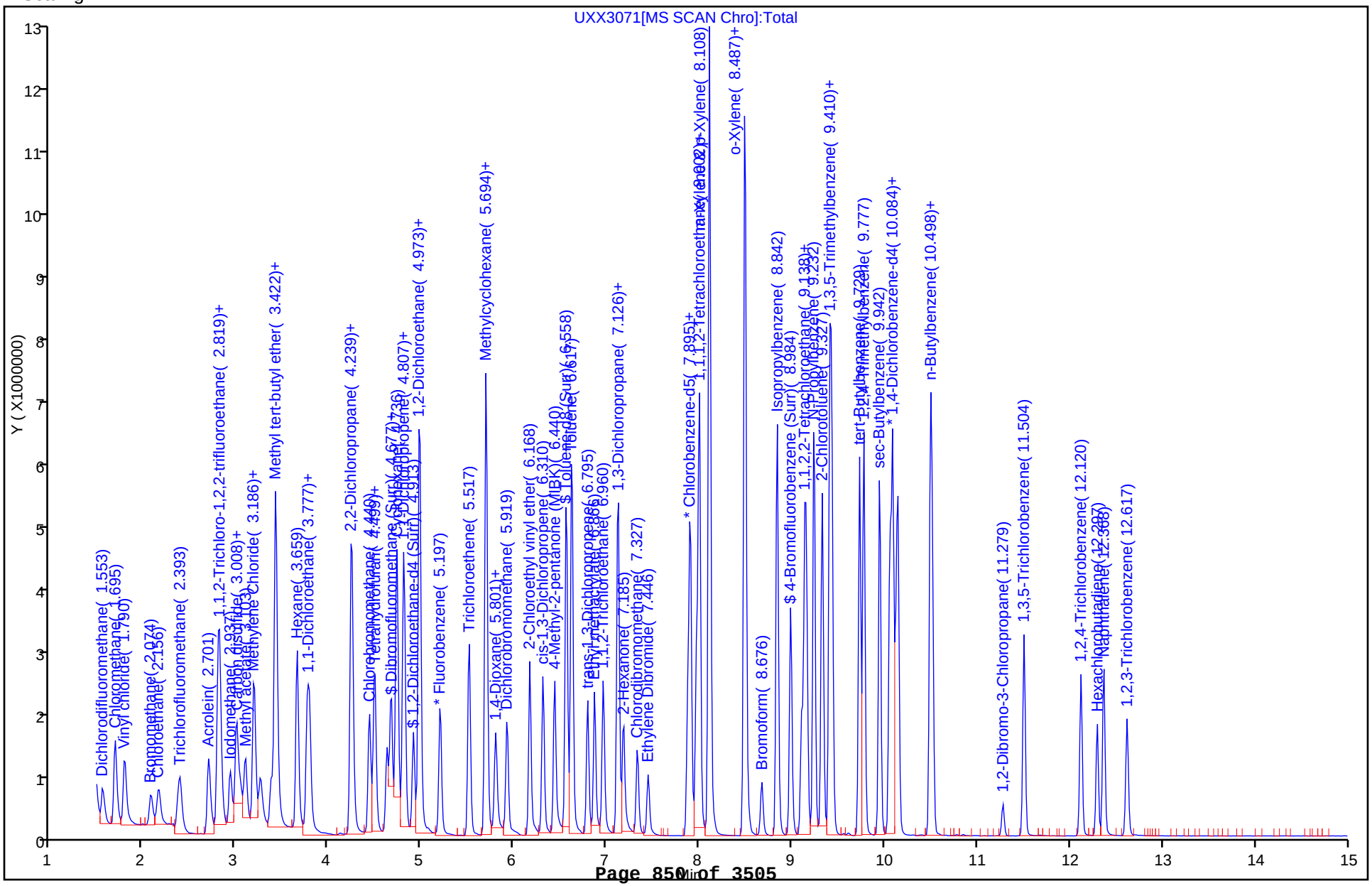
Report Date: 03-Apr-2013 11:29:05 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3071.D

Injection Date:	02-Apr-2013 13:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	80277	Lims Sample ID:	3
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3072.D
Lims ID: STD8260 L4 Client ID:
Inject. Date: 02-Apr-2013 13:52:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 4
Sample ID: 240-0018471-004
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 80277 Lims Sample ID: 4
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130402-18471.b\8260_10.m
Last Update: 03-Apr-2013 11:29:05 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.199	5.199	0.0	99	1886494	10.0	
* 2 Chlorobenzene-d5	117	7.874	7.874	0.0	88	1228757	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.122	10.122	0.0	91	689846	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.631	4.631	0.0	63	444109	10.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.915	4.915	0.0	0	558519	9.79	
$ 7 Toluene-d8 (Surr)	98	6.560	6.560	0.0	90	1792074	10.5	
$ 8 4-Bromofluorobenzene (Surr)	95	8.986	8.986	0.0	88	665764	10.3	
12 Dichlorodifluoromethane	85	1.555	1.555	0.0	98	388278	9.48	
13 Chloromethane	50	1.697	1.697	0.0	99	1091071	10.0	
14 Vinyl chloride	62	1.792	1.792	0.0	82	718978	9.82	
16 Bromomethane	94	2.076	2.076	0.0	87	264871	9.69	
17 Chloroethane	64	2.158	2.158	0.0	98	404385	9.93	
19 Trichlorofluoromethane	101	2.383	2.383	0.0	99	509141	9.73	
21 Acrolein	56	2.703	2.703	0.0	95	677987	96.1	
23 1,1-Dichloroethene	96	2.809	2.809	0.0	94	486702	9.93	
24 Acetone	43	2.821	2.821	0.0	55	214301	16.1	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.821	2.821	0.0	90	345127	9.41	
26 Iodomethane	142	2.939	2.939	0.0	96	790631	10.2	
27 Carbon disulfide	76	2.999	2.999	0.0	100	1671847	10.1	
28 Acetonitrile	41	3.046	3.046	0.0	93	279545	77.2	
30 Methyl acetate	43	3.093	3.093	0.0	98	751347	18.3	
31 Methylene Chloride	84	3.188	3.188	0.0	94	602963	10.2	
32 2-Methyl-2-propanol	59	3.259	3.259	0.0	94	270186	147.0	
33 Acrylonitrile	53	3.377	3.377	0.0	99	364607	18.4	
35 Methyl tert-butyl ether	73	3.424	3.424	0.0	90	1136948	9.62	
34 trans-1,2-Dichloroethene	96	3.424	3.424	0.0	88	578214	10.0	
36 Hexane	86	3.661	3.661	0.0	94	110115	9.70	
37 1,1-Dichloroethane	63	3.768	3.768	0.0	96	1077204	9.94	
38 Vinyl acetate	86	3.791	3.791	0.0	96	94086	10.4	
42 2-Butanone (MEK)	43	4.241	4.241	0.0	47	386470	17.5	
43 cis-1,2-Dichloroethene	96	4.241	4.241	0.0	86	594780	10.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.253	4.253	0.0	81	522788	10.3	
48 Chlorobromomethane	128	4.442	4.442	0.0	89	261978	9.89	
49 Tetrahydrofuran	42	4.489	4.489	0.0	87	127713	8.61	
50 Chloroform	83	4.489	4.489	0.0	96	864861	9.83	
51 1,1,1-Trichloroethane	97	4.679	4.679	0.0	90	693507	10.1	
52 Cyclohexane	56	4.738	4.738	0.0	93	1194894	10.1	
53 1,1-Dichloropropene	75	4.809	4.809	0.0	90	693529	10.2	
54 Carbon tetrachloride	117	4.821	4.821	0.0	86	562577	10.2	
57 Benzene	78	4.975	4.975	0.0	96	2179168	10.0	
56 1,2-Dichloroethane	62	4.975	4.975	0.0	53	713999	9.79	
61 Trichloroethene	130	5.507	5.507	0.0	97	548675	10.2	
64 1,2-Dichloropropane	63	5.696	5.696	0.0	74	563763	9.98	
63 Methylcyclohexane	83	5.696	5.696	0.0	87	763780	9.98	
67 1,4-Dioxane	88	5.803	5.803	0.0	34	115727	465.2	
66 Dibromomethane	93	5.803	5.803	0.0	93	261420	9.91	
68 Dichlorobromomethane	83	5.921	5.921	0.0	98	568951	10.3	
70 2-Chloroethyl vinyl ether	63	6.170	6.170	0.0	90	507578	18.1	
71 cis-1,3-Dichloropropene	75	6.312	6.312	0.0	88	635992	9.30	
72 4-Methyl-2-pentanone (MIBK)	43	6.442	6.442	0.0	97	908182	20.1	
73 Toluene	91	6.619	6.619	0.0	96	2212577	10.3	
74 trans-1,3-Dichloropropene	75	6.797	6.797	0.0	97	500431	9.09	
75 Ethyl methacrylate	69	6.868	6.868	0.0	95	489359	9.15	
76 1,1,2-Trichloroethane	97	6.962	6.962	0.0	93	388035	10.1	
77 1,3-Dichloropropane	76	7.116	7.116	0.0	97	674740	10.0	
78 Tetrachloroethene	164	7.128	7.128	0.0	97	404048	10.1	
79 2-Hexanone	43	7.175	7.175	0.0	98	608892	20.3	
81 Chlorodibromomethane	129	7.329	7.329	0.0	88	363965	10.4	
83 Ethylene Dibromide	107	7.448	7.448	0.0	97	351092	9.77	
85 Chlorobenzene	112	7.897	7.897	0.0	93	1347988	10.0	
86 1,1,1,2-Tetrachloroethane	131	7.968	7.968	0.0	83	427108	10.0	
87 Ethylbenzene	106	8.004	8.004	0.0	98	749421	10.5	
88 m-Xylene & p-Xylene	106	8.110	8.110	0.0	99	1893294	21.1	
89 o-Xylene	106	8.489	8.489	0.0	90	894442	10.4	
90 Styrene	104	8.501	8.501	0.0	91	1462920	10.4	
91 Bromoform	173	8.678	8.678	0.0	96	209329	10.0	
92 Isopropylbenzene	105	8.844	8.844	0.0	96	2174375	10.4	
95 1,1,2,2-Tetrachloroethane	83	9.104	9.104	0.0	89	479621	9.92	
96 Bromobenzene	156	9.140	9.140	0.0	95	572364	10.1	
97 1,2,3-Trichloropropane	110	9.152	9.152	0.0	76	153378	10.1	
98 trans-1,4-Dichloro-2-butene	53	9.163	9.163	0.0	63	141210	10.5	
99 N-Propylbenzene	120	9.234	9.234	0.0	98	608382	10.5	
100 2-Chlorotoluene	126	9.329	9.329	0.0	97	552984	10.3	
101 1,3,5-Trimethylbenzene	105	9.412	9.412	0.0	94	1735992	10.5	
102 4-Chlorotoluene	126	9.424	9.424	0.0	98	599293	10.5	
103 tert-Butylbenzene	119	9.731	9.731	0.0	90	1437554	9.65	
104 1,2,4-Trimethylbenzene	105	9.779	9.779	0.0	70	1754512	10.4	
105 sec-Butylbenzene	105	9.944	9.944	0.0	93	1920157	10.3	
106 1,3-Dichlorobenzene	146	10.063	10.063	0.0	84	1039549	9.82	
107 4-Isopropyltoluene	119	10.086	10.086	0.0	97	1564797	10.3	
108 1,4-Dichlorobenzene	146	10.146	10.146	0.0	93	1081385	9.73	
110 n-Butylbenzene	91	10.489	10.489	0.0	96	1303789	10.1	
111 1,2-Dichlorobenzene	146	10.512	10.512	0.0	97	946874	9.73	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.281	11.281	0.0	76	58073	10.1	
113 1,3,5-Trichlorobenzene	180	11.506	11.506	0.0	98	505443	9.56	
114 1,2,4-Trichlorobenzene	180	12.122	12.122	0.0	95	417298	9.84	
115 Hexachlorobutadiene	225	12.299	12.299	0.0	91	189922	9.69	
116 Naphthalene	128	12.370	12.370	0.0	100	1109671	10.5	
117 1,2,3-Trichlorobenzene	180	12.619	12.619	0.0	99	419473	10.2	
S 119 Trihalomethanes, Total	1				0		40.5	
S 120 1,2-Dichloroethene, Total	96				0		20.1	
S 121 1,3-Dichloropropene, Total	75				0		18.4	
S 122 Xylenes, Total	106				0		31.5	

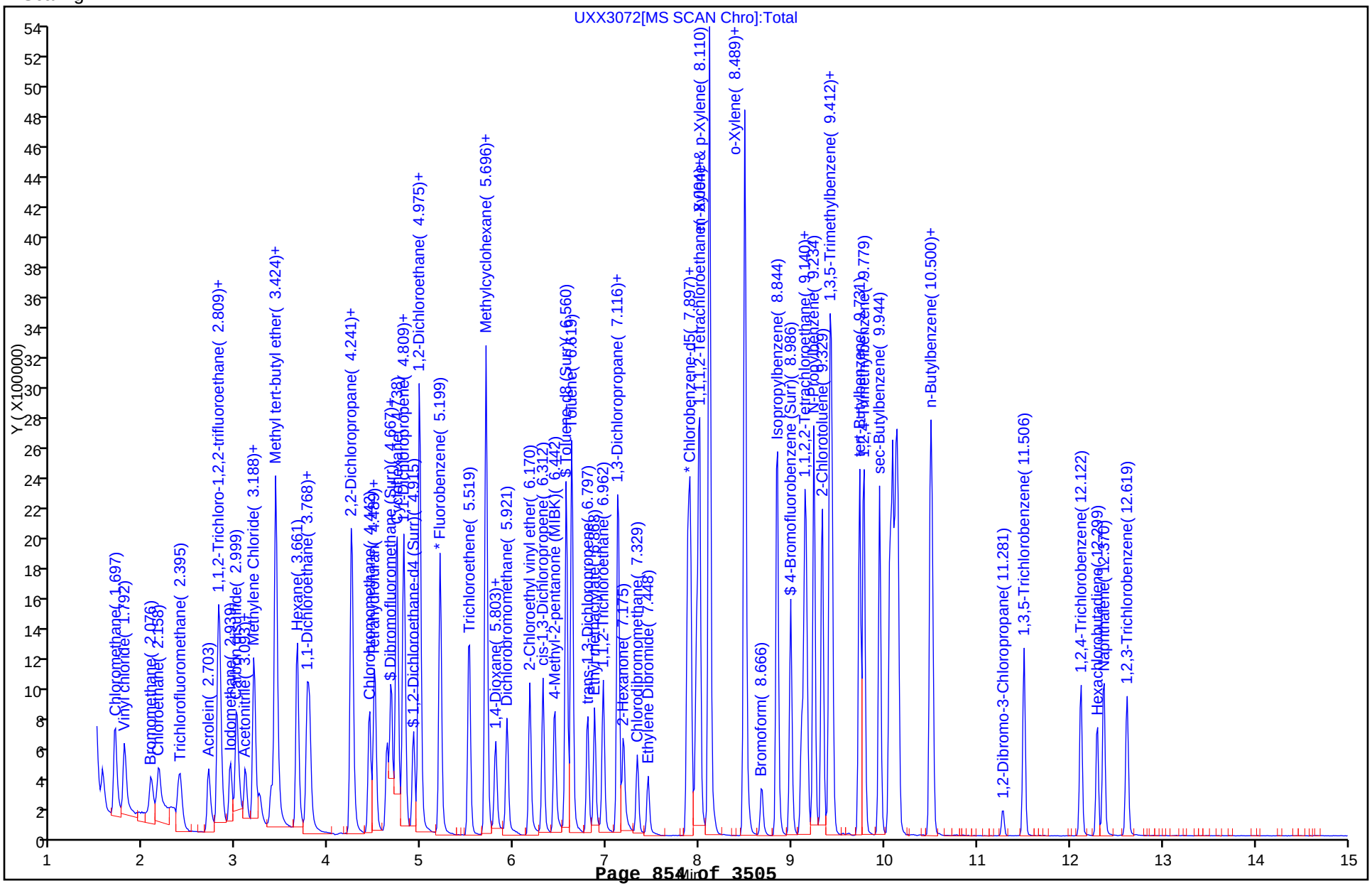
Report Date: 03-Apr-2013 11:29:06 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3072.D

Injection Date:	02-Apr-2013 13:52:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	80277	Lims Sample ID:	4
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3073.D
Lims ID: STD8260 L3 Client ID:
Inject. Date: 02-Apr-2013 14:13:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0018471-005
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 80277 Lims Sample ID: 5
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130402-18471.b\8260_10.m
Last Update: 03-Apr-2013 11:29:06 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.198	5.199	-0.001	99	1899626	10.0	
* 2 Chlorobenzene-d5	117	7.872	7.874	-0.002	88	1272589	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.120	10.122	-0.002	95	740002	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.630	4.631	-0.001	56	218837	4.99	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.914	4.915	-0.001	0	291388	5.07	
$ 7 Toluene-d8 (Surr)	98	6.559	6.560	-0.001	93	870878	4.92	
$ 8 4-Bromofluorobenzene (Surr)	95	8.984	8.986	-0.002	88	334891	5.01	
12 Dichlorodifluoromethane	85	1.553	1.555	-0.002	97	206542	5.01	
13 Chloromethane	50	1.695	1.697	-0.002	99	549588	5.01	
14 Vinyl chloride	62	1.790	1.792	-0.002	97	369625	5.01	
16 Bromomethane	94	2.086	2.076	0.010	88	136308	4.95	
17 Chloroethane	64	2.157	2.158	-0.001	96	204752	4.99	
19 Trichlorofluoromethane	101	2.382	2.383	-0.001	97	276289	5.24	
21 Acrolein	56	2.701	2.703	-0.002	96	351578	49.5	
23 1,1-Dichloroethene	96	2.808	2.809	-0.001	95	250444	5.08	
24 Acetone	43	2.819	2.821	-0.002	60	127589	9.51	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.819	2.821	-0.002	89	189194	5.12	
26 Iodomethane	142	2.938	2.939	-0.001	98	388846	4.98	
27 Carbon disulfide	76	2.997	2.999	-0.001	100	825846	4.96	
28 Acetonitrile	41	3.044	3.046	-0.002	94	195670	53.7	
30 Methyl acetate	43	3.092	3.093	-0.001	97	410037	9.92	
31 Methylene Chloride	84	3.186	3.188	-0.002	95	325364	5.12	
32 2-Methyl-2-propanol	59	3.257	3.259	-0.002	93	199602	107.8	
33 Acrylonitrile	53	3.376	3.377	-0.001	100	197785	9.92	
35 Methyl tert-butyl ether	73	3.423	3.424	-0.001	89	611736	5.14	
34 trans-1,2-Dichloroethene	96	3.423	3.424	-0.001	82	291177	5.01	
36 Hexane	86	3.660	3.661	-0.001	96	58852	5.15	
37 1,1-Dichloroethane	63	3.766	3.768	-0.002	97	534121	4.89	
38 Vinyl acetate	86	3.790	3.791	-0.001	97	44832	4.91	
42 2-Butanone (MEK)	43	4.239	4.241	-0.002	47	230509	10.4	
43 cis-1,2-Dichloroethene	96	4.239	4.241	-0.002	86	300408	5.04	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.251	4.253	-0.002	72	259157	5.05	
48 Chlorobromomethane	128	4.441	4.442	-0.001	91	130955	4.91	
49 Tetrahydrofuran	42	4.488	4.489	-0.001	79	73937	4.95	
50 Chloroform	83	4.500	4.489	0.011	95	444361	5.02	
51 1,1,1-Trichloroethane	97	4.665	4.679	-0.014	91	346696	5.00	
52 Cyclohexane	56	4.736	4.738	-0.002	94	607572	5.08	
53 1,1-Dichloropropene	75	4.807	4.809	-0.002	89	345949	5.05	
54 Carbon tetrachloride	117	4.819	4.821	-0.002	87	282834	5.07	
57 Benzene	78	4.973	4.975	-0.002	96	1090372	4.99	
56 1,2-Dichloroethane	62	4.973	4.975	-0.002	54	373424	5.08	
61 Trichloroethene	130	5.517	5.507	0.010	96	267890	4.95	
64 1,2-Dichloropropane	63	5.695	5.696	-0.001	80	285629	5.02	
63 Methylcyclohexane	83	5.695	5.696	-0.001	90	393547	5.11	
67 1,4-Dioxane	88	5.801	5.803	-0.002	39	67618	269.9	
66 Dibromomethane	93	5.801	5.803	-0.002	88	131702	4.96	
68 Dichlorobromomethane	83	5.920	5.921	-0.001	96	266156	4.77	
70 2-Chloroethyl vinyl ether	63	6.168	6.170	-0.002	88	243031	9.13	
71 cis-1,3-Dichloropropene	75	6.310	6.312	-0.002	85	296762	4.58	
72 4-Methyl-2-pentanone (MIBK)	43	6.440	6.442	-0.002	97	471560	10.4	
73 Toluene	91	6.618	6.619	-0.001	94	1083814	4.87	
74 trans-1,3-Dichloropropene	75	6.795	6.797	-0.002	97	244704	4.58	
75 Ethyl methacrylate	69	6.866	6.868	-0.002	94	244660	4.68	
76 1,1,2-Trichloroethane	97	6.961	6.962	-0.001	92	202217	5.09	
77 1,3-Dichloropropane	76	7.115	7.116	-0.001	97	340001	4.88	
78 Tetrachloroethene	164	7.127	7.128	-0.001	97	205321	4.95	
79 2-Hexanone	43	7.186	7.175	0.011	99	298762	9.64	
81 Chlorodibromomethane	129	7.328	7.329	-0.001	90	180147	4.97	
83 Ethylene Dibromide	107	7.446	7.448	-0.002	97	187412	5.04	
85 Chlorobenzene	112	7.908	7.897	0.011	95	694989	5.00	
86 1,1,1,2-Tetrachloroethane	131	7.967	7.968	-0.001	85	220243	4.99	
87 Ethylbenzene	106	8.002	8.004	-0.002	98	366166	4.94	
88 m-Xylene & p-Xylene	106	8.109	8.110	-0.001	99	943071	10.1	
89 o-Xylene	106	8.487	8.489	-0.002	93	451061	5.07	
90 Styrene	104	8.499	8.501	-0.002	92	725497	5.00	
91 Bromoform	173	8.677	8.678	-0.001	97	101068	4.67	
92 Isopropylbenzene	105	8.842	8.844	-0.002	96	1089884	5.04	
95 1,1,2,2-Tetrachloroethane	83	9.103	9.104	-0.001	94	265678	5.12	
96 Bromobenzene	156	9.138	9.140	-0.002	95	300338	4.93	
97 1,2,3-Trichloropropane	110	9.150	9.152	-0.002	64	84846	5.19	
98 trans-1,4-Dichloro-2-butene	53	9.162	9.163	-0.001	60	67242	4.92	
99 N-Propylbenzene	120	9.233	9.234	-0.001	98	313733	5.06	
100 2-Chlorotoluene	126	9.327	9.329	-0.002	96	288997	5.03	
101 1,3,5-Trimethylbenzene	105	9.410	9.412	-0.002	93	906112	5.11	
102 4-Chlorotoluene	126	9.434	9.424	0.010	98	317959	5.17	
103 tert-Butylbenzene	119	9.730	9.731	-0.001	93	822158	5.14	
104 1,2,4-Trimethylbenzene	105	9.777	9.779	-0.002	77	935960	5.16	
105 sec-Butylbenzene	105	9.943	9.944	-0.001	93	1028071	5.14	
106 1,3-Dichlorobenzene	146	10.061	10.063	-0.002	85	562270	4.95	
107 4-Isopropyltoluene	119	10.085	10.086	-0.001	97	839036	5.14	
108 1,4-Dichlorobenzene	146	10.144	10.146	-0.002	94	592458	4.97	
110 n-Butylbenzene	91	10.487	10.489	-0.002	97	682781	4.94	
111 1,2-Dichlorobenzene	146	10.511	10.512	-0.001	96	540651	5.18	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.280	11.281	-0.001	59	29966	4.85	
113 1,3,5-Trichlorobenzene	180	11.505	11.506	-0.001	97	303305	5.35	
114 1,2,4-Trichlorobenzene	180	12.120	12.122	-0.002	94	235570	5.18	
115 Hexachlorobutadiene	225	12.298	12.299	-0.001	93	127266	5.71	
116 Naphthalene	128	12.369	12.370	-0.001	99	554847	4.89	
117 1,2,3-Trichlorobenzene	180	12.617	12.619	-0.002	98	217550	4.93	
S 119 Trihalomethanes, Total	1				0		19.4	
S 120 1,2-Dichloroethene, Total	96				0		10.0	
S 121 1,3-Dichloropropene, Total	75				0		9.16	
S 122 Xylenes, Total	106				0		15.2	

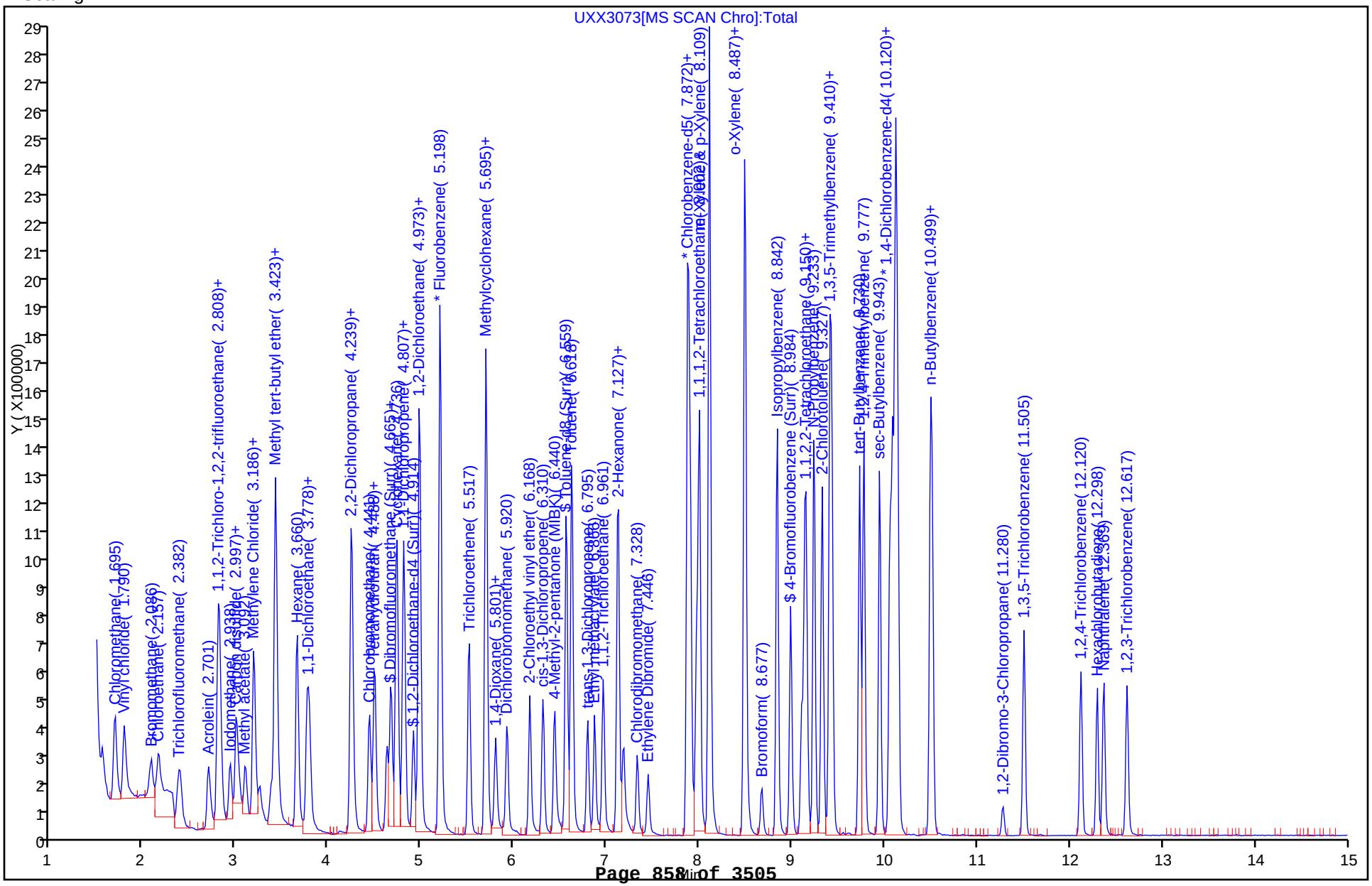
Report Date: 03-Apr-2013 11:29:07 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3073.D

Injection Date:	02-Apr-2013 14:13:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	80277	Lims Sample ID:	5
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3074.D		
Lims ID:	STD8260 L2	Client ID:	
Inject. Date:	02-Apr-2013 14:35:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0018471-006		
Misc. Info.:			
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	5
Lims Batch ID:	80277	Lims Sample ID:	6
Sublist:	chrom-8260_10*sub25		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20130402-18471.b\8260_10.m		
Last Update:	03-Apr-2013 11:29:07	Calib Date:	02-Apr-2013 17:07:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK019		
First Level Reviewer: quayler		Date:	03-Apr-2013 08:25:37

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.197	5.199	-0.002	99	1859739	10.0	
* 2 Chlorobenzene-d5	117	7.871	7.874	-0.003	88	1225576	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.120	10.122	-0.002	94	723388	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.629	4.631	-0.002	51	85103	1.98	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.913	4.915	-0.002	0	111057	1.97	
$ 7 Toluene-d8 (Surr)	98	6.558	6.560	-0.002	94	320540	1.88	
$ 8 4-Bromofluorobenzene (Surr)	95	8.984	8.986	-0.002	85	123380	1.92	
12 Dichlorodifluoromethane	85	1.553	1.555	-0.002	88	76451	1.89	
13 Chloromethane	50	1.695	1.697	-0.002	99	219331	2.04	
14 Vinyl chloride	62	1.789	1.792	-0.003	93	146420	2.03	
16 Bromomethane	94	2.073	2.076	-0.003	88	57064	2.12	
17 Chloroethane	64	2.168	2.158	0.010	98	86103	2.15	
19 Trichlorofluoromethane	101	2.381	2.383	-0.002	92	102492	1.99	
21 Acrolein	56	2.701	2.703	-0.002	90	135071	19.4	
23 1,1-Dichloroethene	96	2.807	2.809	-0.002	94	97437	2.02	
24 Acetone	43	2.819	2.821	-0.002	50	58956	4.49	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.819	2.821	-0.002	82	75005	2.08	
26 Iodomethane	142	2.937	2.939	-0.002	96	155647	2.04	
27 Carbon disulfide	76	2.996	2.999	-0.002	99	316459	1.94	
28 Acetonitrile	41	3.056	3.046	0.010	91	68403	19.2	
30 Methyl acetate	43	3.103	3.093	0.010	97	168438	4.16	
31 Methylene Chloride	84	3.198	3.188	0.010	96	142373	1.90	
32 2-Methyl-2-propanol	59	3.257	3.259	-0.002	84	68691	37.9	
33 Acrylonitrile	53	3.375	3.377	-0.002	97	78101	4.00	
35 Methyl tert-butyl ether	73	3.422	3.424	-0.002	89	220514	1.89	
34 trans-1,2-Dichloroethene	96	3.422	3.424	-0.002	88	114906	2.02	
36 Hexane	86	3.659	3.661	-0.002	94	22466	2.01	
37 1,1-Dichloroethane	63	3.765	3.768	-0.003	96	216504	2.03	
38 Vinyl acetate	86	3.801	3.791	0.010	96	16510	1.85	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.239	4.241	-0.002	43	80685	3.71	
43 cis-1,2-Dichloroethene	96	4.239	4.241	-0.002	87	114999	1.97	
44 2,2-Dichloropropane	77	4.251	4.253	-0.002	67	96485	1.92	
48 Chlorobromomethane	128	4.440	4.442	-0.002	88	53741	2.06	
49 Tetrahydrofuran	42	4.487	4.489	-0.002	23	32816	2.24	
50 Chloroform	83	4.499	4.489	0.010	84	175979	2.03	
51 1,1,1-Trichloroethane	97	4.677	4.679	-0.002	89	136533	2.01	
52 Cyclohexane	56	4.736	4.738	-0.002	93	227933	1.95	
53 1,1-Dichloropropene	75	4.807	4.809	-0.002	90	129757	1.94	
54 Carbon tetrachloride	117	4.819	4.821	-0.002	86	103877	1.90	
57 Benzene	78	4.984	4.975	0.009	96	419724	1.96	
56 1,2-Dichloroethane	62	4.972	4.975	-0.003	54	139709	1.94	
61 Trichloroethene	130	5.517	5.507	0.010	96	103093	1.95	
64 1,2-Dichloropropane	63	5.694	5.696	-0.002	77	106391	1.91	
63 Methylcyclohexane	83	5.694	5.696	-0.002	87	141740	1.88	
67 1,4-Dioxane	88	5.813	5.803	0.010	27	19933	81.3	
66 Dibromomethane	93	5.801	5.803	-0.002	90	52408	2.02	
68 Dichlorobromomethane	83	5.919	5.921	-0.002	93	103188	1.89	
70 2-Chloroethyl vinyl ether	63	6.168	6.170	-0.002	88	79402	3.74	
71 cis-1,3-Dichloropropene	75	6.310	6.312	-0.002	84	106586	2.00	
72 4-Methyl-2-pentanone (MIBK)	43	6.440	6.442	-0.002	95	156631	3.52	
73 Toluene	91	6.629	6.619	0.010	97	409076	1.91	
74 trans-1,3-Dichloropropene	75	6.795	6.797	-0.002	95	80437	1.92	
75 Ethyl methacrylate	69	6.866	6.868	-0.002	91	79734	1.93	
76 1,1,2-Trichloroethane	97	6.960	6.962	-0.002	93	72228	1.89	
77 1,3-Dichloropropane	76	7.114	7.116	-0.002	97	128770	1.92	
78 Tetrachloroethene	164	7.126	7.128	-0.002	94	80477	2.02	
79 2-Hexanone	43	7.185	7.175	0.010	96	114942	3.85	
81 Chlorodibromomethane	129	7.327	7.329	-0.002	85	62902	1.80	
83 Ethylene Dibromide	107	7.445	7.448	-0.003	88	70130	1.96	
85 Chlorobenzene	112	7.907	7.897	0.010	91	257533	1.92	
86 1,1,1,2-Tetrachloroethane	131	7.966	7.968	-0.002	81	82028	1.93	
87 Ethylbenzene	106	8.002	8.004	-0.002	98	134042	1.88	
88 m-Xylene & p-Xylene	106	8.108	8.110	-0.002	99	336257	3.75	
89 o-Xylene	106	8.487	8.489	-0.002	89	163835	1.91	
90 Styrene	104	8.499	8.501	-0.002	89	250408	1.79	
91 Bromoform	173	8.676	8.678	-0.002	89	37795	1.81	
92 Isopropylbenzene	105	8.842	8.844	-0.002	95	381347	1.83	
95 1,1,2,2-Tetrachloroethane	83	9.102	9.104	-0.002	96	98742	1.95	
96 Bromobenzene	156	9.138	9.140	-0.002	93	116132	1.95	
97 1,2,3-Trichloropropane	110	9.161	9.152	0.009	77	30486	1.91	
98 trans-1,4-Dichloro-2-butene	53	9.161	9.163	-0.002	60	25488	2.00	
99 N-Propylbenzene	120	9.232	9.234	-0.002	97	111202	1.84	
100 2-Chlorotoluene	126	9.327	9.329	-0.002	96	104733	1.86	
101 1,3,5-Trimethylbenzene	105	9.410	9.412	-0.002	90	317689	1.83	
102 4-Chlorotoluene	126	9.433	9.424	0.009	98	113390	1.89	
103 tert-Butylbenzene	119	9.729	9.731	-0.002	93	283704	1.82	
104 1,2,4-Trimethylbenzene	105	9.777	9.779	-0.002	71	331606	1.87	
105 sec-Butylbenzene	105	9.942	9.944	-0.002	92	358671	1.84	
106 1,3-Dichlorobenzene	146	10.061	10.063	-0.002	97	226317	2.04	
107 4-Isopropyltoluene	119	10.084	10.086	-0.002	96	292347	1.83	
108 1,4-Dichlorobenzene	146	10.143	10.146	-0.003	89	241060	2.07	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.498	10.489	0.009	95	254834	1.89	
111 1,2-Dichlorobenzene	146	10.510	10.512	-0.002	95	202537	1.98	
112 1,2-Dibromo-3-Chloropropane	157	11.267	11.281	-0.014	37	12238	2.03	
113 1,3,5-Trichlorobenzene	180	11.504	11.506	-0.002	96	116668	2.10	
114 1,2,4-Trichlorobenzene	180	12.119	12.122	-0.003	91	97752	2.20	
115 Hexachlorobutadiene	225	12.297	12.299	-0.002	87	54419	1.98	
116 Naphthalene	128	12.368	12.370	-0.002	99	216702	1.96	
117 1,2,3-Trichlorobenzene	180	12.616	12.619	-0.003	97	92160	2.14	
S 119 Trihalomethanes, Total	1				0		7.53	
S 120 1,2-Dichloroethene, Total	96				0		3.99	
S 121 1,3-Dichloropropene, Total	75				0		3.92	
S 122 Xylenes, Total	106				0		5.66	

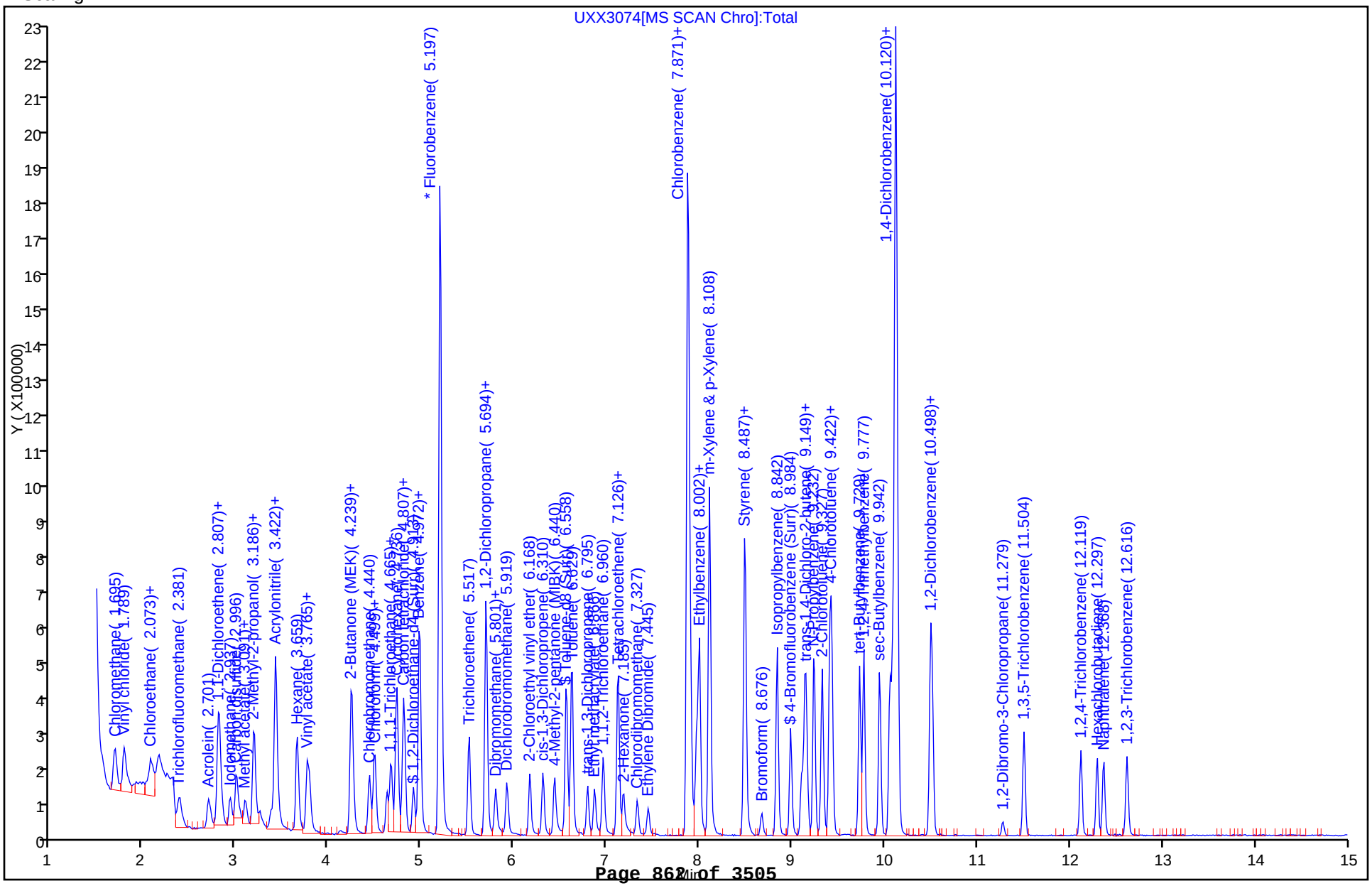
Report Date: 03-Apr-2013 11:29:07 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3074.D

Injection Date:	02-Apr-2013 14:35:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	80277	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3075.D
Lims ID: STD8260 L1 Client ID:
Inject. Date: 02-Apr-2013 14:56:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0018471-007
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 80277 Lims Sample ID: 7
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130402-18471.b\8260_10.m
Last Update: 03-Apr-2013 11:29:07 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: quayler Date: 02-Apr-2013 15:17:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.198	5.199	-0.001	99	1881147	10.0	
* 2 Chlorobenzene-d5	117	7.872	7.874	-0.002	89	1226930	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.120	10.122	-0.002	96	689336	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.630	4.631	-0.001	51	42633	0.9827	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.914	4.915	-0.001	0	55051	0.9674	
$ 7 Toluene-d8 (Surr)	98	6.558	6.560	-0.002	90	150483	0.8809	
$ 8 4-Bromofluorobenzene (Surr)	95	8.984	8.986	-0.002	82	61147	0.9494	
12 Dichlorodifluoromethane	85	1.553	1.555	-0.002	78	41808	1.02	
13 Chloromethane	50	1.695	1.697	-0.002	98	111283	1.02	
14 Vinyl chloride	62	1.790	1.792	-0.002	88	75970	1.04	
16 Bromomethane	94	2.074	2.076	-0.002	80	30796	1.13	
17 Chloroethane	64	2.168	2.158	0.010	81	43323	1.07	
19 Trichlorofluoromethane	101	2.369	2.383	-0.014	85	50765	0.9731	
21 Acrolein	56	2.701	2.703	-0.002	88	65886	9.36	
23 1,1-Dichloroethene	96	2.807	2.809	-0.002	88	50773	1.04	
24 Acetone	43	2.831	2.821	0.010	70	29614	2.23	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.819	2.821	-0.002	73	40009	1.09	
26 Iodomethane	142	2.937	2.939	-0.002	95	76936	1.00	
27 Carbon disulfide	76	2.997	2.999	-0.001	98	160407	0.9733	
28 Acetonitrile	41	3.044	3.046	-0.002	94	33296	9.22	
30 Methyl acetate	43	3.091	3.093	-0.002	97	82138	2.01	
31 Methylene Chloride	84	3.198	3.188	0.010	96	94480	1.01	
32 2-Methyl-2-propanol	59	3.269	3.259	0.010	92	34310	18.7	
33 Acrylonitrile	53	3.375	3.377	-0.002	94	34665	1.76	
35 Methyl tert-butyl ether	73	3.423	3.424	-0.001	90	113631	0.9638	
34 trans-1,2-Dichloroethene	96	3.434	3.424	0.010	91	55970	0.9730	
36 Hexane	86	3.647	3.661	-0.014	91	10895	0.9621	
37 1,1-Dichloroethane	63	3.766	3.768	-0.002	89	108589	1.00	
38 Vinyl acetate	86	3.789	3.791	-0.002	94	6741	0.7459	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.239	4.241	-0.002	43	48427	2.20	
43 cis-1,2-Dichloroethene	96	4.239	4.241	-0.002	84	57896	0.9803	
44 2,2-Dichloropropane	77	4.251	4.253	-0.002	69	48972	0.9640	
48 Chlorobromomethane	128	4.440	4.442	-0.002	74	25849	0.9784	
49 Tetrahydrofuran	42	4.488	4.489	-0.001	25	15476	1.05	
50 Chloroform	83	4.499	4.489	0.010	70	88100	1.00	
51 1,1,1-Trichloroethane	97	4.665	4.679	-0.014	87	65682	0.9567	
52 Cyclohexane	56	4.736	4.738	-0.002	92	110292	0.9308	
53 1,1-Dichloropropene	75	4.807	4.809	-0.002	86	63715	0.9398	
54 Carbon tetrachloride	117	4.819	4.821	-0.002	77	52715	0.9540	
57 Benzene	78	4.985	4.975	0.010	96	214206	0.99	
56 1,2-Dichloroethane	62	4.973	4.975	-0.002	53	72524	1.00	
61 Trichloroethene	130	5.517	5.507	0.010	92	52893	0.9879	
64 1,2-Dichloropropane	63	5.706	5.696	0.010	74	54191	0.9623	
63 Methylcyclohexane	83	5.694	5.696	-0.002	89	73305	0.9604	
67 1,4-Dioxane	88	5.825	5.803	0.022	21	13835	55.8	
66 Dibromomethane	93	5.801	5.803	-0.002	81	25275	0.9613	
68 Dichlorobromomethane	83	5.919	5.921	-0.002	92	48876	0.8843	
70 2-Chloroethyl vinyl ether	63	6.168	6.170	-0.002	73	40096	2.39	
71 cis-1,3-Dichloropropene	75	6.310	6.312	-0.002	66	45884	1.14	
72 4-Methyl-2-pentanone (MIBK)	43	6.440	6.442	-0.002	89	77389	1.72	
73 Toluene	91	6.629	6.619	0.010	96	201451	0.9387	
74 trans-1,3-Dichloropropene	75	6.795	6.797	-0.002	75	38420	1.20	
75 Ethyl methacrylate	69	6.866	6.868	-0.002	86	35308	1.14	
76 1,1,2-Trichloroethane	97	6.961	6.962	-0.001	80	38038	0.99	
77 1,3-Dichloropropane	76	7.114	7.116	-0.002	90	66587	0.99	
78 Tetrachloroethene	164	7.126	7.128	-0.002	92	39311	0.9834	
79 2-Hexanone	43	7.185	7.175	0.010	94	51872	1.74	
81 Chlorodibromomethane	129	7.327	7.329	-0.002	82	28260	0.8086	
83 Ethylene Dibromide	107	7.446	7.448	-0.002	78	34243	0.9545	
85 Chlorobenzene	112	7.907	7.897	0.010	91	133342	0.99	
86 1,1,1,2-Tetrachloroethane	131	7.978	7.968	0.010	76	39556	0.9301	
87 Ethylbenzene	106	8.002	8.004	-0.002	98	65475	0.9154	
88 m-Xylene & p-Xylene	106	8.108	8.110	-0.002	99	157001	1.75	
89 o-Xylene	106	8.487	8.489	-0.002	88	75803	0.8832	
90 Styrene	104	8.499	8.501	-0.002	86	120729	0.8632	
91 Bromoform	173	8.676	8.678	-0.002	75	19701	0.9434	
92 Isopropylbenzene	105	8.842	8.844	-0.002	91	182617	0.8762	
95 1,1,2,2-Tetrachloroethane	83	9.102	9.104	-0.002	81	48615	1.01	
96 Bromobenzene	156	9.138	9.140	-0.002	93	53862	0.9488	
97 1,2,3-Trichloropropane	110	9.150	9.152	-0.002	56	15170	1.00	
98 trans-1,4-Dichloro-2-butene	53	9.162	9.163	-0.001	55	9478	0.8308	
99 N-Propylbenzene	120	9.233	9.234	-0.002	98	48604	0.8420	
100 2-Chlorotoluene	126	9.327	9.329	-0.002	95	51192	0.9559	
101 1,3,5-Trimethylbenzene	105	9.410	9.412	-0.002	92	139445	0.8437	
102 4-Chlorotoluene	126	9.434	9.424	0.010	97	49465	0.8633	
103 tert-Butylbenzene	119	9.729	9.731	-0.002	90	130568	0.8770	
104 1,2,4-Trimethylbenzene	105	9.777	9.779	-0.002	68	142968	0.8457	
105 sec-Butylbenzene	105	9.942	9.944	-0.002	89	165149	0.8867	
106 1,3-Dichlorobenzene	146	10.061	10.063	-0.002	89	108558	1.03	
107 4-Isopropyltoluene	119	10.084	10.086	-0.002	95	130276	0.8564	
108 1,4-Dichlorobenzene	146	10.144	10.146	-0.002	77	113782	1.02	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.487	10.489	-0.002	92	113228	0.8803	
111 1,2-Dichlorobenzene	146	10.510	10.512	-0.002	94	102327	1.05	
112 1,2-Dibromo-3-Chloropropane	157	11.280	11.281	-0.001	11	5890	1.02	
113 1,3,5-Trichlorobenzene	180	11.504	11.506	-0.002	90	56023	1.06	
114 1,2,4-Trichlorobenzene	180	12.120	12.122	-0.002	83	46838	1.10	
115 Hexachlorobutadiene	225	12.297	12.299	-0.002	78	27516	0.6192	
116 Naphthalene	128	12.368	12.370	-0.002	100	95560	0.9050	
117 1,2,3-Trichlorobenzene	180	12.617	12.619	-0.002	88	45409	1.11	
S 119 Trihalomethanes, Total	1				0		3.64	
S 120 1,2-Dichloroethene, Total	96				0		1.95	
S 121 1,3-Dichloropropene, Total	75				0		2.34	
S 122 Xylenes, Total	106				0		2.63	

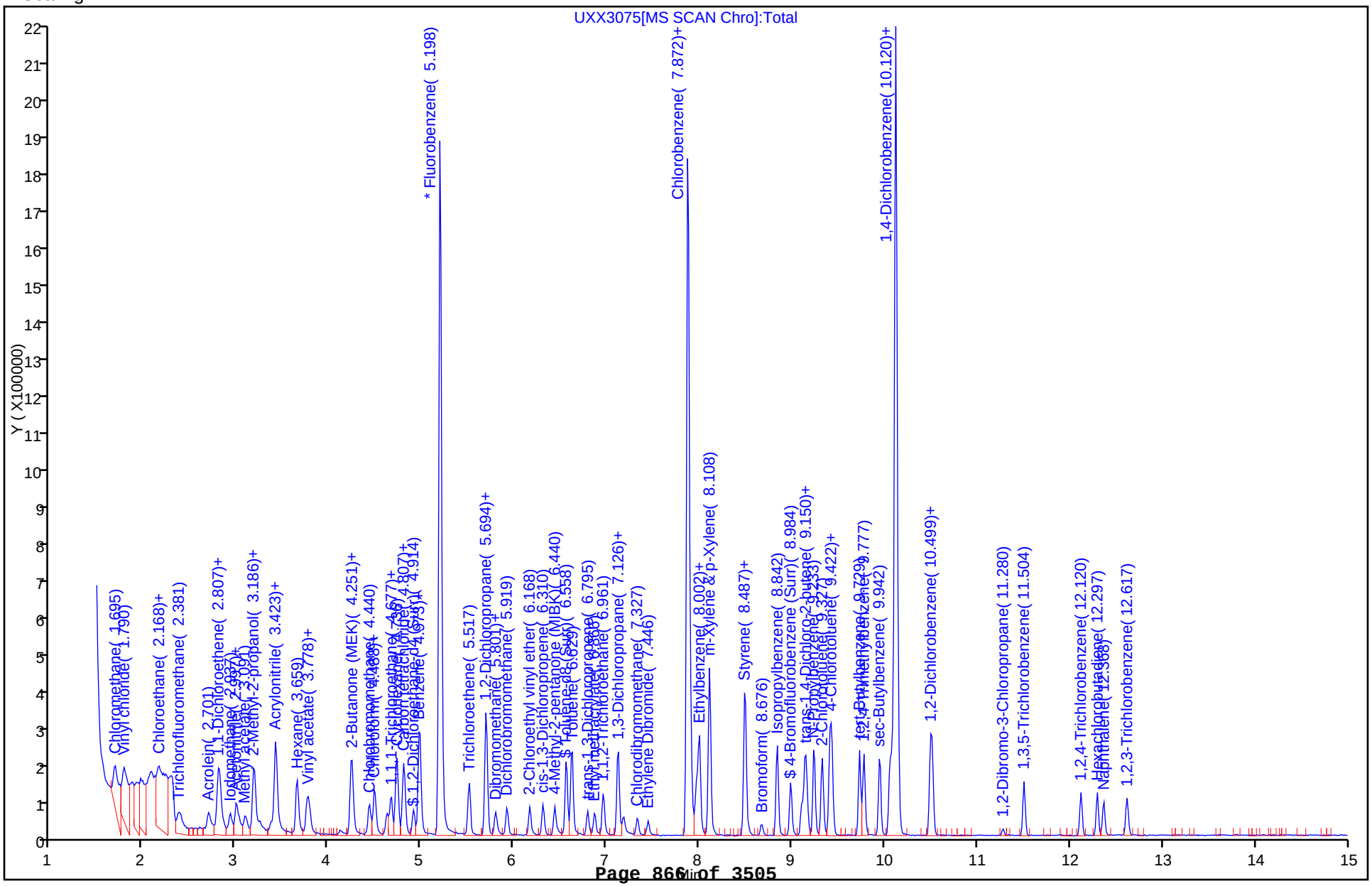
Report Date: 03-Apr-2013 11:29:08 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3075.D

Injection Date:	02-Apr-2013 14:56:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	80277	Lims Sample ID:	7
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-80127/11	141673.D
Level 2	IC 240-80127/10	141672.D
Level 3	IC 240-80127/9	141671.D
Level 4	IC 240-80127/8	141670.D
Level 5	IC 240-80127/7	141669.D
Level 6	ICIS 240-80127/6	141668.D
Level 7	IC 240-80127/5	141667.D
Level 8	IC 240-80127/4	141666.D
Level 9	IC 240-80127/3	141665.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2414 0.2988	0.2625 0.2996	0.2989	0.2979	0.2983	Ave		0.2854			0.1000	8.3		15.0			
Chloromethane	0.4127 0.3752	0.3493 0.3719	0.3544 0.3750	0.3620 0.3539	0.3667	Ave		0.3690			0.1000	5.1		15.0			
Vinyl chloride	0.2863 0.3047	0.2684 0.3100	0.2929 0.3140	0.2935 0.3074	0.2980	Ave		0.2972			0.1000	4.7		15.0			
Bromomethane	0.1193 0.0891	0.1211 0.0909	0.0900 0.0928	0.0861 0.0957	0.0920	Ave		0.0974			0.0500	14.0		15.0			
Chloroethane	0.1403 0.1411	0.1379 0.1317	0.1345 0.1443	0.1325 0.1499	0.1318	Ave		0.1382				4.6		15.0			
Dichlorofluoromethane	0.4395 0.4038	0.4005 0.3975	0.3938 0.4011	0.3886 0.4068	0.3931	Ave		0.4028				3.7		15.0			
Trichlorofluoromethane	0.3380 0.3967	0.3612 0.3977	0.3619 0.4009	0.3694 0.4083	0.3802	Ave		0.3794			0.1000	6.2		15.0			
Ethyl ether	0.2805 0.2124	0.2378 0.2122	0.2226 0.2151	0.2078 0.2201	0.2206	Ave		0.2254				9.9		15.0			
Acrolein	+++++ 0.0327	+++++ 0.0319	0.0318 0.0322	0.0297 0.0326	0.0318	Ave		0.0318				3.2		15.0			
1,1-Dichloroethene	0.2012 0.2406	0.2035 0.2375	0.2330 0.2471	0.2162 0.2502	0.2350	Ave		0.2294			0.1000	7.9		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2072	+++++ 0.2076	0.1840 0.2139	0.1842 0.2125	0.2022	Ave		0.2017			0.0500	6.2		15.0			
Acetone	+++++ 0.0700	+++++ 0.0663	0.1121 0.0637	0.0760 0.0641	0.0725	Lin1	0.4196	0.0633			0.0500				0.9990		0.9950
Iodomethane	0.3127 0.3931	0.3490 0.4020	0.3627 0.4093	0.3536 0.4044	0.3786	Ave		0.3739				8.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 0.6299	+++++ 0.6770	0.4409 0.7217	0.4534 0.7250	0.5366	Lin1	-2.215	0.7209			0.1000				0.9980		0.9950
3-Chloro-1-propene	+++++ 0.1430	+++++ 0.1458	0.1110 0.1516	0.1108 0.1530	0.1315	Ave		0.1352				13.0		15.0			
Methyl acetate	0.1722 0.1710	0.1765 0.1691	0.1728 0.1715	0.1590 0.1726	0.1736	Ave		0.1709			0.1000	2.9		15.0			
Methylene Chloride	+++++ 0.2556	+++++ 0.2468	0.3303 0.2480	0.2827 0.2480	0.2755	Ave		0.2696			0.1000	11.0		15.0			
2-Methyl-2-propanol	0.0212 0.0164	0.0178 0.0173	0.0183 0.0159	0.0142 0.0159	0.0163	Ave		0.0170				12.0		15.0			
Acrylonitrile	0.0838 0.0820	0.0869 0.0824	0.0814 0.0831	0.0759 0.0838	0.0821	Ave		0.0824				3.5		15.0			
trans-1,2-Dichloroethene	0.2315 0.2772	0.2442 0.2727	0.2698 0.2759	0.2595 0.2759	0.2711	Ave		0.2642			0.1000	6.1		15.0			
Methyl tert-butyl ether	0.5261 0.6109	0.5976 0.6150	0.5887 0.6288	0.5559 0.6423	0.6002	Ave		0.5962			0.1000	6.0		15.0			
Hexane	0.0589 0.0725	0.0711 0.0728	0.0754 0.0754	0.0710 0.0767	0.0760	Ave		0.0722				7.5		15.0			
1,1-Dichloroethane	0.4346 0.5093	0.5050 0.5056	0.4791 0.5170	0.4618 0.5255	0.5028	Ave		0.4934			0.1000	5.9		15.0			
Vinyl acetate	0.0294 0.0435	0.0373 0.0469	0.0350	0.0390	0.0402	Ave		0.0388				15.0		15.0			
2,2-Dichloropropane	+++++ 0.2427	+++++ 0.2578	0.1939 0.2579	0.1965 0.2524	0.2248	Ave		0.2323				12.0		15.0			
cis-1,2-Dichloroethene	0.2654 0.2929	0.2684 0.2915	0.2909 0.2933	0.2742 0.2928	0.2913	Ave		0.2845			0.1000	4.1		15.0			
2-Butanone (MEK)	+++++ 0.1012	+++++ 0.1037	0.1074 0.1018	0.0943 0.1035	0.1001	Ave		0.1017			0.0500	4.0		15.0			
Bromochloromethane	0.1085 0.1335	0.1232 0.1330	0.1303 0.1351	0.1191 0.1352	0.1296	Ave		0.1275				7.1		15.0			
Tetrahydrofuran	0.0816 0.0667	0.0762 0.0673	0.0682 0.0670	0.0630 0.0670	0.0683	Ave		0.0695				8.2		15.0			
Chloroform	0.3787 0.4507	0.4159 0.4392	0.4227 0.4479	0.4030 0.4534	0.4386	Ave		0.4278				5.9		15.0			
1,1,1-Trichloroethane	+++++ 0.3477	+++++ 0.3577	0.2839 0.3642	0.2870 0.3606	0.3233	Ave		0.3321			0.1000	10.0		15.0			
Cyclohexane	0.3872 0.5310	0.4665 0.5255	0.4940 0.5298	0.4940 0.5334	0.5270	Ave		0.4987			0.1000	9.6		15.0			
1,1-Dichloropropene	0.3028 0.3554	0.3193 0.3514	0.3506 0.3533	0.3333 0.3591	0.3536	Ave		0.3421				5.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbon tetrachloride	+++++ 0.3324	+++++ 0.3489	0.2584 0.3653	0.2654 0.3747	0.3055	Ave		0.3215			0.1000	14.0		15.0			
Isobutyl alcohol	0.0073 0.0068	0.0070 0.0072	0.0068 0.0072	0.0061 0.0073	0.0067	Ave		0.0069				5.4		15.0			
Benzene	1.0390 1.0712	1.0450 1.0569	1.0968 1.0668	1.0216 1.0732	1.0690	Ave		1.0599			0.5000	2.1		15.0			
1,2-Dichloroethane	0.3427 0.3383	0.3492 0.3339	0.3493 0.3441	0.3241 0.3486	0.3422	Ave		0.3414			0.1000	2.4		15.0			
n-Heptane	0.0717 0.0879	0.0783 0.0865	0.0842 0.0890	0.0820 0.0906	0.0865	Ave		0.0841				7.1		15.0			
Trichloroethene	0.3189 0.3118	0.3184 0.3039	0.3173 0.3074	0.2895 0.3116	0.3120	Ave		0.3101			0.2000	3.0		15.0			
Methylcyclohexane	0.3612 0.4847	0.3880 0.4711	0.4739 0.4750	0.4492 0.4783	0.4807	Ave		0.4513			0.1000	10.0		15.0			
1,2-Dichloropropane	0.2323 0.2776	0.2468 0.2725	0.2703 0.2765	0.2536 0.2811	0.2745	Ave		0.2650			0.1000	6.3		15.0			
Dibromomethane	0.1292 0.1268	0.1265 0.1273	0.1165 0.1301	0.1169 0.1310	0.1250	Ave		0.1255				4.2		15.0			
1,4-Dioxane	0.0017 0.0018	0.0020 0.0019	0.0019 0.0019	0.0019 0.0019	0.0020	Ave		0.0019				4.7		15.0			
Bromodichloromethane	0.1665 0.2811	0.1848 0.2931	0.2074 0.3125	0.2126 0.3184	0.2476	Lin1	-0.292	0.3084			0.1000				0.9970		0.9950
2-Chloroethyl vinyl ether	0.0825 0.1062	0.0843 0.1097	0.0945 0.1122	0.0962 0.1145	0.1061	Ave		0.1007				12.0		15.0			
cis-1,3-Dichloropropene	0.1858 0.3458	0.2012 0.3620	0.2358 0.3774	0.2671 0.3851	0.3115	Lin1	-0.372	0.3750			0.1500				0.9970		0.9950
4-Methyl-2-pentanone (MIBK)	0.2731 0.3154	0.2990 0.3142	0.2951 0.3193	0.2856 0.3128	0.3174	Ave		0.3035			0.0500	5.4		15.0			
Toluene	1.7149 1.7111	1.6767 1.6600	1.7241 1.6819	1.6298 1.6715	1.6960	Ave		1.6851			0.4000	1.8		15.0			
trans-1,3-Dichloropropene	0.2095 0.3897	0.2327 0.4076	0.2871 0.4383	0.2962 0.4393	0.3457	Lin1	-0.431	0.4288			0.1000				0.9970		0.9950
Ethyl methacrylate	0.2964 0.3630	0.2619 0.3706	0.3126 0.3790	0.3088 0.3754	0.3481	Ave		0.3351				12.0		15.0			
1,1,2-Trichloroethane	0.2428 0.2682	0.2425 0.2602	0.2645 0.2673	0.2508 0.2600	0.2728	Ave		0.2588			0.1000	4.3		15.0			
Tetrachloroethene	0.3039 0.3548	0.3419 0.3467	0.3661 0.3502	0.3533 0.3500	0.3540	Ave		0.3468			0.2000	5.0		15.0			
1,3-Dichloropropane	0.4492 0.4698	0.4610 0.4518	0.4877 0.4650	0.4496 0.4550	0.4750	Ave		0.4627				2.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Hexanone	0.1967 0.2018	0.1938 0.2051	0.2044 0.2057	0.1954 0.2047	0.2048	Ave		0.2014			0.0500	2.4		15.0			
Dibromochloromethane	+++++ 0.2720	+++++ 0.2932	0.1742 0.3182	0.1959 0.3198	0.2299	Lin1	-1.073	0.3172							0.9980		0.9950
1,2-Dibromoethane	0.2214 0.2692	0.2214 0.2623	0.2429 0.2655	0.2408 0.2583	0.2640	Ave		0.2495				7.5		15.0			
Chlorobenzene	1.0858 1.0420	1.0498 1.0089	1.0708 1.0365	1.0311 1.0162	1.0486	Ave		1.0433			0.3000	2.3		15.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3557	+++++ 0.3579	0.2892 0.3709	0.2852 0.3637	0.3227	Ave		0.3351				11.0		15.0			
Ethylbenzene	0.5044 0.5810	0.5717 0.5663	0.5809 0.5736	0.5559 0.5701	0.5730	Ave		0.5641				4.2		15.0			
m-Xylene & p-Xylene	0.7086 0.7106	0.6724 0.6899	0.7107 0.6995	0.6733 0.6943	0.7021	Ave		0.6957				2.1		15.0			
o-Xylene	0.6435 0.6789	0.6289 0.6572	0.6804 0.6702	0.6451 0.6492	0.6698	Ave		0.6581				2.7		15.0			
Styrene	0.8274 1.0726	0.8794 1.0793	1.0058 1.1202	0.9956 1.0814	1.0504	Ave		1.0124			0.3000	9.8		15.0			
Bromoform	0.0628 0.1351	0.0691 0.1519	0.0883 0.1774	0.0865 0.1789	0.1095	Qua	-0.414	0.1429	0.0002		0.1000				0.9990		0.9900
Isopropylbenzene	1.4863 1.8374	1.5543 1.8245	1.7522 1.8738	1.7222 1.8287	1.7586	Ave		1.7376			0.1000	7.7		15.0			
1,1,2,2-Tetrachloroethane	0.4922 0.6097	0.5319 0.6226	0.5699 0.6245	0.5698 0.6291	0.6105	Ave		0.5845			0.3000	8.1		15.0			
Bromobenzene	0.8794 0.9086	0.8894 0.8687	0.9230 0.8698	0.8658 0.8604	0.9141	Ave		0.8866				2.6		15.0			
1,2,3-Trichloropropane	0.2247 0.2006	0.1831 0.1983	0.2046 0.1924	0.1931 0.1937	0.1971	Ave		0.1986				5.8		15.0			
trans-1,4-Dichloro-2-butene	0.1783 0.2011	0.1588 0.2040	0.1648 0.2115	0.1766 0.2174	0.1908	Ave		0.1893				11.0		15.0			
N-Propylbenzene	0.8714 1.1378	0.8984 1.1075	1.0966 1.0908	1.0721 1.0988	1.1150	Ave		1.0543				9.3		15.0			
2-Chlorotoluene	0.8478 0.9453	0.8256 0.9250	0.9440 0.9110	0.9111 0.9051	0.9257	Ave		0.9045				4.6		15.0			
1,3,5-Trimethylbenzene	2.4622 3.2341	2.6772 3.2175	3.0288 3.2310	2.9964 3.2278	3.1042	Ave		3.0199				9.1		15.0			
4-Chlorotoluene	0.8550 0.9611	0.9085 0.9200	0.9682 0.9121	0.9169 0.9125	0.9394	Ave		0.9215				3.6		15.0			
tert-Butylbenzene	2.3433 3.0252	2.4691 3.0304	2.9041 3.0351	2.8580 3.0099	2.9154	Ave		2.8434				9.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.5713 3.2449	2.8097 3.2110	3.1075 3.2443	3.0387 3.2412	3.1352	Ave		3.0671				7.6		15.0			
sec-Butylbenzene	3.0202 4.1726	3.5118 4.1913	3.9871 4.1939	3.8905 4.2312	4.0379	Ave		3.9152				10.0		15.0			
1,3-Dichlorobenzene	1.8921 1.7295	1.7519 1.7301	1.8573 1.6669	1.7079 1.6793	1.7584	Ave		1.7526			0.6000	4.3		15.0			
4-Isopropyltoluene	2.7348 3.5594	2.9655 3.6134	3.3479 3.6531	3.3233 3.6038	3.4583	Ave		3.3622				9.4		15.0			
1,4-Dichlorobenzene	2.0359 1.6987	1.8705 1.6709	1.8154 1.6745	1.7099 1.6701	1.7299	Ave		1.7640			0.5000	7.0		15.0			
n-Butylbenzene	2.4783 3.0293	2.5738 3.0453	2.9781 3.0827	2.9004 3.0798	2.9748	Ave		2.9047				7.7		15.0			
1,2-Dichlorobenzene	1.7167 1.5609	1.6514 1.5736	1.7263 1.5730	1.5297 1.5669	1.5641	Ave		1.6070			0.4000	4.5		15.0			
1,2-Dibromo-3-Chloropropane	0.0694 0.0842	0.0791 0.1057	0.0648	0.0735	0.0778	Qua	0.0299	0.0640	0.0004		0.0500				1.0000		0.9900
1,2,4-Trichlorobenzene	+++++ 0.8826	+++++ 0.9885	1.1626 1.0562	1.0374 1.0417	0.9118	Ave		1.0115			0.2000	9.3		15.0			
Hexachlorobutadiene	+++++ 0.4531	+++++ 0.4437	0.6228 0.4963	0.5647 0.4941	0.5068	Ave		0.5116				12.0		15.0			
Naphthalene	+++++ 1.7277	+++++ 2.0945	2.2787	1.9611	1.8020	Ave		1.9728				11.0		15.0			
1,2,3-Trichlorobenzene	+++++ 0.6835	+++++ 0.8063	1.0581 0.8906	0.8421	0.7353	Qua	1.1571	0.6622	0.0011						0.9990		0.9900
Dibromofluoromethane (Surr)	1.1908 0.2401	0.7258 0.2470	0.4724 0.2511	0.3541 0.2537	0.2903	Lin1	0.9660	0.2445							0.9990		0.9950
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2610	+++++ 0.2661	0.5658 0.2702	0.4181 0.2755	0.3316	Lin1	1.4297	0.2617							0.9980		0.9950
Toluene-d8 (Surr)	+++++ 1.4165	+++++ 1.4023	3.0068 1.4186	2.2245 1.4020	1.7435	Lin1	8.0196	1.3564							0.9990		0.9950
4-Bromofluorobenzene (Surr)	+++++ 0.9854	+++++ 1.0360	2.1334 1.0051	1.5795 1.0072	1.2584	Lin1	5.6406	0.9730							0.9990		0.9950

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-80127/11	141673.D
Level 2	IC 240-80127/10	141672.D
Level 3	IC 240-80127/9	141671.D
Level 4	IC 240-80127/8	141670.D
Level 5	IC 240-80127/7	141669.D
Level 6	ICIS 240-80127/6	141668.D
Level 7	IC 240-80127/5	141667.D
Level 8	IC 240-80127/4	141666.D
Level 9	IC 240-80127/3	141665.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Dichlorodifluoromethane	FB	Ave	5995 384066	12576 764747	37785	79303	150340	1.00 50.0	2.00 100	5.00	10.0	20.0
Chloromethane	FB	Ave	10249 482247	16733 949269	44791 1889964	96385 2174787	184845	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Vinyl chloride	FB	Ave	7109 391674	12858 791227	37022 1582302	78146 1888946	150215	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromomethane	FB	Ave	2964 114533	5800 232002	11372 467734	22917 587948	46385	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Chloroethane	FB	Ave	3485 181388	6607 336051	17000 727475	35264 921111	66418	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Dichlorofluoromethane	FB	Ave	10916 519005	19185 1014504	49773 2021495	103470 2500242	198146	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Trichlorofluoromethane	FB	Ave	8393 509898	17300 1015150	45747 2020341	98339 2509228	191645	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Ethyl ether	FB	Ave	6966 273001	11391 541542	28137 1083988	55319 1352454	111184	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Acrolein	FB	Ave	+++++ 419888	+++++ 813789	40200 1625125	79077 2005921	160333	+++++ 500	+++++ 1000	50.0 2000	100 2500	200
1,1-Dichloroethene	FB	Ave	4996 309321	9746 606092	29452 1245442	57564 1537559	118436	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	+++++ 266264	+++++ 529727	23261 1078206	49046 1305863	101906	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Acetone	FB	Lin1	+++++ 179967	+++++ 338437	28343 641818	40463 788160	73127	+++++ 100	+++++ 200	10.0 400	20.0 500	40.0
Iodomethane	FB	Ave	7765 505260	16717 1026112	45850 2062602	94140 2485578	190805	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Carbon disulfide	FB	Lin1	+++++ 809709	+++++ 1727805	55727 3637177	120702 4455446	270446	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3-Chloro-1-propene	FB	Ave	+++++ 183822	+++++ 372076	14025 764141	29497 940405	66288	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Methyl acetate	FB	Ave	21386 1099059	42269 2158500	109236 4320590	211623 5302324	437383	5.00 250	10.0 500	25.0 1000	50.0 1250	100
Methylene Chloride	FB	Ave	+++++ 328593	+++++ 630017	41745 1249829	75274 1523990	138859	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
2-Methyl-2-propanol	FB	Ave	5264 210767	8538 441987	23079 801288	37847 974925	82181	10.0 500	20.0 1000	50.0 2000	100 2500	200
Acrylonitrile	FB	Ave	20805 1053509	41601 2102664	102856 4188923	202062 5148980	414053	10.0 500	20.0 1000	50.0 2000	100 2500	200
trans-1,2-Dichloroethene	FB	Ave	5750 356326	11699 696061	34102 1390446	69076 1695682	136663	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Methyl tert-butyl ether	FB	Ave	13065 785249	28623 1569755	74407 3169088	147988 3947410	302544	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Hexane	FB	Ave	1463 93183	3406 185904	9535 380246	18891 471238	38311	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1-Dichloroethane	FB	Ave	10792 654641	24191 1290314	60560 2605755	122950 3229819	253425	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Vinyl acetate	FB	Ave	731 55896	1788 119739	4426	10377	20238	1.00 50.0	2.00 100	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 311907	+++++ 657926	24512 1299900	52328 1550962	113299	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
cis-1,2-Dichloroethene	FB	Ave	6591 376473	12856 743893	36773 1478270	72998 1799354	146833	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Butanone (MEK)	FB	Ave	+++++ 260176	+++++ 529140	27138 1026432	50186 1272512	100893	+++++ 100	+++++ 200	10.0 400	20.0 500	40.0
Bromochloromethane	FB	Ave	2694 171657	5903 339369	16473 681018	31707 831171	65302	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Tetrahydrofuran	FB	Ave	4053 171507	7302 343757	17236 675319	33540 823102	68818	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Chloroform	FB	Ave	9406 579362	19920 1121062	53430 2257063	107287 2786714	221086	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,1-Trichloroethane	FB	Ave	+++++ 446980	+++++ 912874	35880 1835461	76406 2216376	162941	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Cyclohexane	FB	Ave	9617 682502	22347 1341219	62445 2670098	131522 3277951	265642	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1-Dichloropropene	FB	Ave	7521 456847	15293 896731	44314 1780376	88740 2206944	178238	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Carbon tetrachloride	FB	Ave	+++++ 427266	+++++ 890505	32666 1840945	70663 2302836	153965	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Isobutyl alcohol	FB	Ave	4531 218358	8364 461032	21481 904777	40734 1115325	84736	25.0 1250	50.0 2500	125 5000	250 6250	500

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzene	FB	Ave	25803 1376887	50055 2697424	138640 5376161	271978 6595955	538837	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloroethane	FB	Ave	8511 434871	16727 852106	44154 1734215	86284 2142294	172468	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
n-Heptane	FB	Ave	1780 113030	3750 220707	10649 448298	21837 556955	43622	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Trichloroethene	FB	Ave	7919 400779	15249 775617	40106 1549091	77074 1914749	157278	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Methylcyclohexane	FB	Ave	8970 623015	18586 1202266	59905 2393962	119600 2939268	242287	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloropropane	FB	Ave	5770 356825	11822 695406	34166 1393475	67507 1727537	138377	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Dibromomethane	FB	Ave	3208 162976	6061 324986	14731 655473	31110 805046	62992	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,4-Dioxane	FB	Ave	845 47479	1926 98385	4718 191864	10340 234353	19929	20.0 1000	40.0 2000	100 4000	200 5000	400
Bromodichloromethane	FB	Lin1	4134 361255	8854 747993	26212 1574921	56613 1956685	124799	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Chloroethyl vinyl ether	FB	Ave	4097 272934	8079 559875	23890 1130814	51197 1407012	106910	2.00 100	4.00 200	10.0 400	20.0 500	40.0
cis-1,3-Dichloropropene	FB	Lin1	4615 444436	9636 923818	29809 1901930	71109 2366962	157008	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	8983 534541	18879 1085084	48609 2172432	99480 2665512	211843	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Toluene	CBZ	Ave	28207 1450184	52939 2866124	142007 5722077	283830 7121115	566046	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
trans-1,3-Dichloropropene	CBZ	Lin1	3446 330257	7347 703694	23647 1490980	51586 1871674	115389	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Ethyl methacrylate	CBZ	Ave	4876 307669	8269 639857	25748 1289332	53776 1599198	116187	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,2-Trichloroethane	CBZ	Ave	3993 227277	7657 449289	21785 909290	43676 1107537	91031	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Tetrachloroethene	CBZ	Ave	4998 300695	10795 598619	30153 1191518	61534 1491026	118145	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3-Dichloropropane	CBZ	Ave	7389 398186	14556 780007	40174 1581794	78294 1938642	158534	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Hexanone	CBZ	Ave	6470 342035	12238 708137	33674 1399595	68073 1744579	136713	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Dibromochloromethane	CBZ	Lin1	+++++ 230536	+++++ 506273	14348 1082498	34113 1362354	76731	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,2-Dibromoethane	CBZ	Ave	3642 228134	6989 452947	20005 903400	41941 1100376	88124	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Chlorobenzene	CBZ	Ave	17859 883136	33145 1741969	88200 3526347	179576 4329447	349981	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 301455	+++++ 617998	23823 1261669	49671 1549574	107708	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Ethylbenzene	CBZ	Ave	8296 492413	18051 977812	47847 1951347	96806 2428956	191237	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
m-Xylene & p-Xylene	CBZ	Ave	11656 602270	21230 1191172	58542 2379624	117256 2957972	234337	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
o-Xylene	CBZ	Ave	10585 575333	19856 1134682	56045 2279973	112351 2765691	223532	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Styrene	CBZ	Ave	13609 909029	27767 1863397	82843 3810848	173395 4607155	350553	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromoform	CBZ	Qua	1033 114519	2183 262261	7271 603440	15062 762194	36549	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Isopropylbenzene	CBZ	Ave	24447 1557219	49077 3150029	144321 6374950	299925 7791108	586913	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	3757 232504	7892 491861	21893 994721	45168 1229747	90265	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromobenzene	DCB	Ave	6712 346479	13197 686253	35455 1385417	68627 1681891	135151	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,3-Trichloropropane	DCB	Ave	1715 76505	2717 156663	7861 306535	15308 378523	29138	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	1361 76700	2356 161179	6330 336946	13996 425031	28206	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
N-Propylbenzene	DCB	Ave	6651 433915	13330 874885	42125 1737514	84983 2147763	164862	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Chlorotoluene	DCB	Ave	6471 360473	12250 730772	36261 1451111	72221 1769074	136870	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3,5-Trimethylbenzene	DCB	Ave	18793 1233325	39724 2541770	116348 5146435	237509 6309206	458973	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Chlorotoluene	DCB	Ave	6526 366523	13481 726805	37191 1452776	72680 1783699	138902	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
tert-Butylbenzene	DCB	Ave	17886 1153651	36637 2394016	111555 4834309	226540 5883385	431067	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,4-Trimethylbenzene	DCB	Ave	19626 1237447	41691 2536688	119371 5167541	240863 6335442	463568	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
sec-Butylbenzene	DCB	Ave	23052 1591228	52109 3311093	153156 6680041	308380 8270519	597026	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3-Dichlorobenzene	DCB	Ave	14442 659542	25995 1366763	71345 2655040	135378 3282502	259988	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Isopropyltoluene	DCB	Ave	20874 1357367	44003 2854539	128602 5818773	263424 7044257	511329	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 80127

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/01/2013 14:03 Calibration End Date: 04/01/2013 16:55 Calibration ID: 14354

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dichlorobenzene	DCB	Ave	15539 647811	27755 1319952	69736 2667224	135533 3264493	255782	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
n-Butylbenzene	DCB	Ave	18916 1155240	38190 2405787	114399 4910129	229898 6019950	439842	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichlorobenzene	DCB	Ave	13103 595262	24504 1243139	66313 2505481	121248 3062810	231257	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dibromo-3-Chloropropane	DCB	Qua	530 32108	1173 83535	2490	5824	11502	1.00 50.0	2.00 100	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 336594	+++++ 780877	44661 1682390	82228 2036121	134816	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Hexachlorobutadiene	DCB	Ave	+++++ 172776	+++++ 350533	23922 790485	44761 965800	74937	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Naphthalene	DCB	Ave	+++++ 658860	+++++ 1654592	87532	155447	266441	+++++ 50.0	+++++ 100	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Qua	+++++ 260636	+++++ 636994	40647 1418552	66746	108714	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Dibromofluoromethane (Surr)	FB	Lin1	29574 308631	34767 630308	59709 1265439	94284 1558963	146298	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Lin1	+++++ 335525	+++++ 679113	71515 1361901	111312 1692874	167163	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Toluene-d8 (Surr)	CBZ	Lin1	+++++ 1200479	+++++ 2421189	247665 4826243	387397 5973057	581877	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
4-Bromofluorobenzene (Surr)	DCB	Lin1	+++++ 375791	+++++ 818425	81950 1600928	125200 1968745	186058	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141665.D
Lims ID: IC Client ID:
Inject. Date: 01-Apr-2013 14:03:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 9
Sample ID: ic
Misc. Info.: 240-0018434-003 =240-0018434-003
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 80127 Lims Sample ID: 3
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m
Last Update: 03-Apr-2013 12:44:48 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK035

First Level Reviewer: macenczaks Date: 01-Apr-2013 14:47:12

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	95	1229165	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	94	852072	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	94	390933	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	71	1558963	255.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	1692874	257.6	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	5973057	252.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	94	1968745	253.0	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	99	1857149	264.7	
13 Chloromethane	50	1.643	1.643	0.0	100	2174787	239.7	
14 Vinyl chloride	62	1.773	1.773	0.0	99	1888946	258.5	
15 Bromomethane	94	2.116	2.116	0.0	91	587948	245.4	
16 Chloroethane	64	2.234	2.234	0.0	97	921111	271.1	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	2500242	252.5	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	2509228	269.1	
19 Ethyl ether	59	2.933	2.921	0.012	98	1352454	244.0	
20 Acrolein	56	3.086	3.086	0.0	96	2005921	2564.2	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	96	1537559	272.7	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	92	1305863	263.4	
22 Acetone	43	3.311	3.311	0.0	99	788160	499.8	
24 Iodomethane	142	3.406	3.406	0.0	98	2485578	270.4	
26 Carbon disulfide	76	3.477	3.477	0.0	100	4455446	254.5	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	87	940405	282.9	
28 Methyl acetate	43	3.832	3.820	0.012	97	5302324	1261.9	
30 Methylene Chloride	84	3.962	3.950	0.012	98	1523990	230.0	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	95	974925	2328.6	
32 Acrylonitrile	53	4.364	4.364	0.0	99	5148980	2542.9	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	95	1695682	261.1	
34 Methyl tert-butyl ether	73	4.424	4.411	0.013	93	3947410	269.3	
35 Hexane	86	4.802	4.802	0.0	96	471238	265.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.980	4.979	0.001	97	3229819	266.3	
37 Vinyl acetate	86	5.098	5.098	0.0	97	297151	311.9	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	90	1550962	271.6	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	1799354	257.3	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	1272512	509.0	
47 Chlorobromomethane	128	5.985	5.973	0.012	97	831171	265.2	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	823102	481.9	
49 Chloroform	83	6.092	6.092	0.0	96	2786714	265.0	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	95	2216376	271.5	
51 Cyclohexane	56	6.317	6.317	0.0	94	3277951	267.4	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	2206944	262.4	
53 Carbon tetrachloride	117	6.435	6.435	0.0	88	2302836	291.4	
54 Isobutyl alcohol	41	6.636	6.636	0.0	94	1115325	6545.1	
55 Benzene	78	6.648	6.648	0.0	97	6595955	253.1	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	2142294	255.3	
58 n-Heptane	100	6.944	6.944	0.0	97	556955	269.4	
60 Trichloroethene	130	7.287	7.287	0.0	97	1914749	251.2	
63 Methylcyclohexane	83	7.465	7.464	0.001	97	2939268	264.9	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	93	1727537	265.2	
65 Dibromomethane	93	7.607	7.606	0.001	89	805046	261.0	
66 1,4-Dioxane	88	7.630	7.630	0.0	97	234353	5022.9	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	1956685	259.1	
69 2-Chloroethyl vinyl ether	63	8.033	8.032	0.001	93	1407012	568.5	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	90	2366962	257.7	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	98	2665512	515.3	
72 Toluene	91	8.459	8.458	0.001	97	7121115	248.0	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	1871674	257.1	
74 Ethyl methacrylate	69	8.731	8.730	0.001	92	1599198	280.0	
75 1,1,2-Trichloroethane	97	8.814	8.813	0.001	93	1107537	251.2	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	1491026	252.3	
76 1,3-Dichloropropane	76	8.956	8.955	0.001	97	1938642	245.9	
78 2-Hexanone	43	9.015	9.014	0.001	99	1744579	508.3	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	1362354	255.4	
123 Ethylene Dibromide	107	9.251	9.251	0.0	99	1100376	258.8	
82 Chlorobenzene	112	9.666	9.665	0.001	93	4329447	243.5	
83 1,1,1,2-Tetrachloroethane	131	9.737	9.736	0.001	95	1549574	271.4	
84 Ethylbenzene	106	9.760	9.760	0.0	98	2428956	252.7	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	100	2957972	249.5	
85 o-Xylene	106	10.186	10.186	0.0	95	2765691	246.6	
86 Styrene	104	10.198	10.198	0.0	92	4607155	267.0	
87 Bromoform	173	10.364	10.363	0.001	98	762194	247.6	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	7791108	263.1	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	91	1229747	269.1	
91 Bromobenzene	156	10.766	10.766	0.0	93	1681891	242.6	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.789	0.001	90	425031	287.2	
92 1,2,3-Trichloropropane	110	10.790	10.789	0.001	81	378523	243.7	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	2147763	260.6	
95 2-Chlorotoluene	126	10.932	10.920	0.012	97	1769074	250.2	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	6309206	267.2	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	1783699	247.6	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	5883385	264.6	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	71	6335442	264.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	8270519	270.2	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	98	3282502	239.5	
101 4-Isopropyltoluene	119	11.571	11.570	0.001	96	7044257	268.0	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	96	3264493	236.7	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	6019950	265.1	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	3062810	243.8	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	88	243982	207.9	
109 1,2,4-Trichlorobenzene	180	13.286	13.274	0.012	94	2036121	257.4	
110 Hexachlorobutadiene	225	13.405	13.404	0.001	98	965800	241.4	
111 Naphthalene	128	13.476	13.475	0.001	97	4297782	278.6	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	1714918	235.5	
S 137 Trihalomethanes, Total	1				0		1027.0	
S 11 1,2-Dichloroethene, Total	96				0		518.3	
S 9 1,3-Dichloropropene, Total	75				0		514.9	
S 114 Xylenes, Total	106				0		496.1	

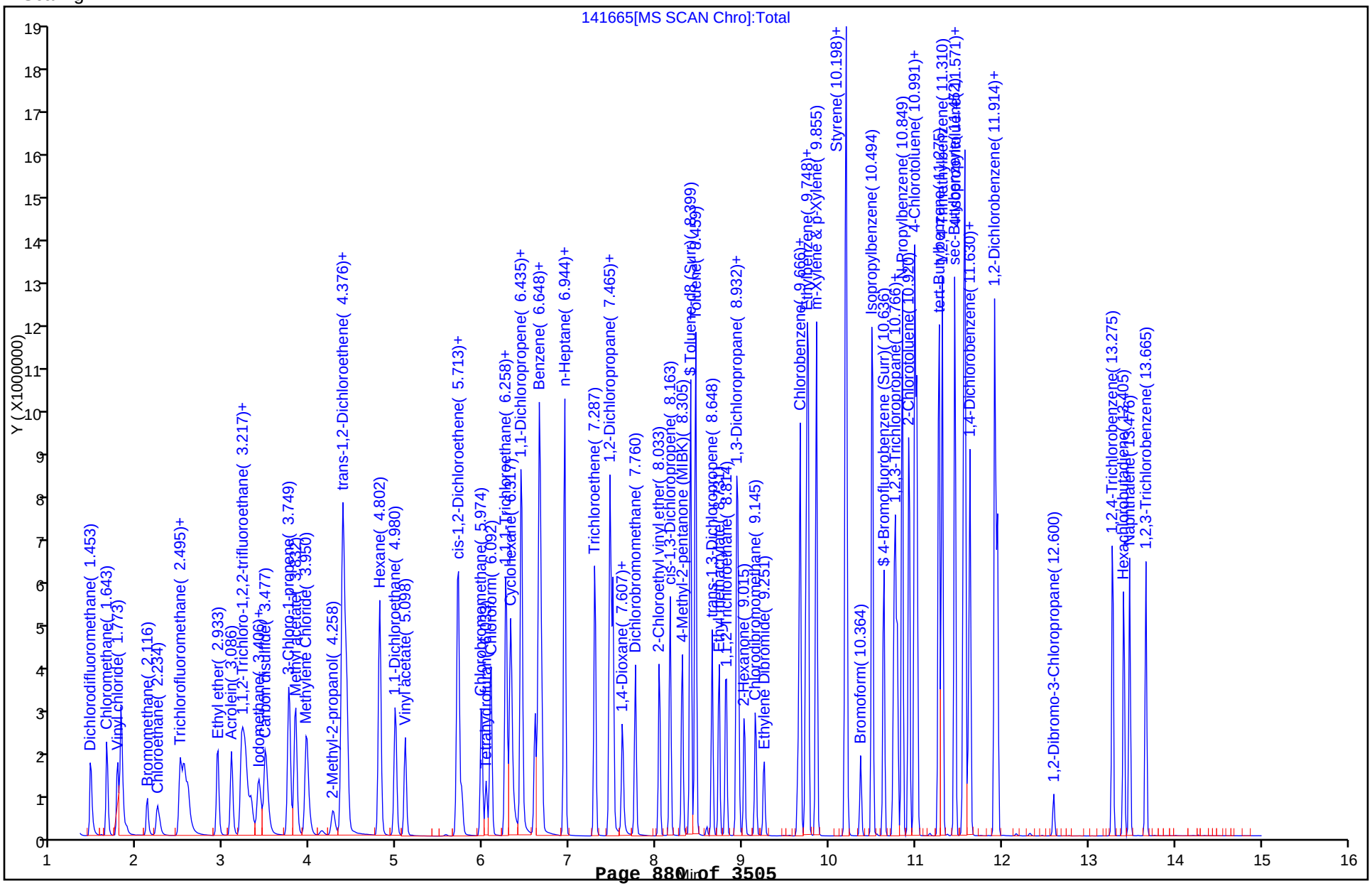
Report Date: 03-Apr-2013 12:44:48 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141665.D

Injection Date:	01-Apr-2013 14:03:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	3
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141666.D		
Lims ID:	IC	Client ID:	
Inject. Date:	01-Apr-2013 14:25:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	ic		
Misc. Info.:	240-0018434-004 =240-0018434-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	80127	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub32		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m		
Last Update:	03-Apr-2013 12:44:49	Calib Date:	01-Apr-2013 20:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK035		
First Level Reviewer: macenczaks		Date:	01-Apr-2013 14:48:41

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	95	1259929	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	850515	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	398203	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	81	1265439	201.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	1361901	201.0	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	4826243	203.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	95	1600928	200.8	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	99	1548996	215.4	
13 Chloromethane	50	1.643	1.643	0.0	100	1889964	203.3	
14 Vinyl chloride	62	1.773	1.773	0.0	99	1582302	211.3	
15 Bromomethane	94	2.116	2.116	0.0	90	467734	190.5	
16 Chloroethane	64	2.234	2.234	0.0	97	727475	208.9	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	2021495	199.2	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	2020341	211.3	
19 Ethyl ether	59	2.932	2.921	0.011	98	1083988	190.8	
20 Acrolein	56	3.086	3.086	0.0	94	1625125	2026.7	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	97	1245442	215.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	92	1078206	212.2	
22 Acetone	43	3.311	3.311	0.0	99	641818	395.7	
24 Iodomethane	142	3.406	3.406	0.0	98	2062602	218.9	
26 Carbon disulfide	76	3.477	3.477	0.0	100	3637177	203.3	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	83	764141	224.2	
28 Methyl acetate	43	3.832	3.820	0.012	97	4320590	1003.2	
30 Methylene Chloride	84	3.950	3.950	0.0	98	1249829	184.0	
31 2-Methyl-2-propanol	59	4.270	4.258	0.012	94	801288	1867.1	
32 Acrylonitrile	53	4.364	4.364	0.0	99	4188923	2018.3	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	1390446	208.8	
34 Methyl tert-butyl ether	73	4.423	4.411	0.012	93	3169088	211.0	
35 Hexane	86	4.802	4.802	0.0	95	380246	209.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.979	4.979	0.0	97	2605755	209.6	
37 Vinyl acetate	86	5.098	5.098	0.0	97	241734	247.5	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	90	1299900	222.1	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	1478270	206.2	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	93	1026432	400.5	
47 Chlorobromomethane	128	5.985	5.973	0.012	97	681018	212.0	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	675319	385.7	
49 Chloroform	83	6.092	6.092	0.0	96	2257063	209.4	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	95	1835461	219.4	
51 Cyclohexane	56	6.317	6.317	0.0	94	2670098	212.5	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	1780376	206.5	
53 Carbon tetrachloride	117	6.435	6.435	0.0	90	1840945	227.2	
54 Isobutyl alcohol	41	6.636	6.636	0.0	91	904777	5179.9	
55 Benzene	78	6.648	6.648	0.0	97	5376161	201.3	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	1734215	201.6	
58 n-Heptane	100	6.944	6.944	0.0	96	448298	211.6	
60 Trichloroethene	130	7.287	7.287	0.0	97	1549091	198.3	
63 Methylcyclohexane	83	7.464	7.464	0.0	97	2393962	210.5	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	94	1393475	208.7	
65 Dibromomethane	93	7.606	7.606	0.0	89	655473	207.3	
66 1,4-Dioxane	88	7.630	7.630	0.0	98	191864	4011.8	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	1574921	203.6	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	1130814	445.8	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	90	1901930	202.3	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	98	2172432	420.8	
72 Toluene	91	8.458	8.458	0.0	97	5722077	199.6	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	1490980	205.4	
74 Ethyl methacrylate	69	8.731	8.730	0.0	92	1289332	226.2	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	92	909290	206.6	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	1191518	202.0	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	96	1581794	201.0	
78 2-Hexanone	43	9.014	9.014	0.0	99	1399595	408.6	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	1082498	204.0	
123 Ethylene Dibromide	107	9.251	9.251	0.0	98	903400	212.8	
82 Chlorobenzene	112	9.665	9.665	0.0	93	3526347	198.7	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	95	1261669	221.4	
84 Ethylbenzene	106	9.760	9.760	0.0	98	1951347	203.4	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	2379624	201.1	
85 o-Xylene	106	10.186	10.186	0.0	95	2279973	203.7	
86 Styrene	104	10.198	10.198	0.0	91	3810848	221.3	
87 Bromoform	173	10.363	10.363	0.0	97	603440	204.5	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	6374950	215.7	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	91	994721	213.7	
91 Bromobenzene	156	10.766	10.766	0.0	91	1385417	196.2	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	90	336946	223.5	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	79	306535	193.8	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	1737514	206.9	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	1451111	201.4	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	5146435	214.0	
104 4-Chlorotoluene	126	11.014	11.014	0.0	98	1452776	197.9	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	4834309	213.5	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	5167541	211.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	6680041	214.2	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	98	2655040	190.2	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	92	5818773	217.3	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	95	2667224	189.9	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	4910129	212.3	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	2505481	195.8	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	86	190234	174.9	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	92	1682390	208.8	
110 Hexachlorobutadiene	225	13.405	13.404	0.0	98	790485	194.0	
111 Naphthalene	128	13.476	13.475	0.001	97	3560189	226.6	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	1418552	199.7	
S 137 Trihalomethanes, Total	1				0		821.5	
S 11 1,2-Dichloroethene, Total	96				0		415.0	
S 9 1,3-Dichloropropene, Total	75				0		407.7	
S 114 Xylenes, Total	106				0		404.7	

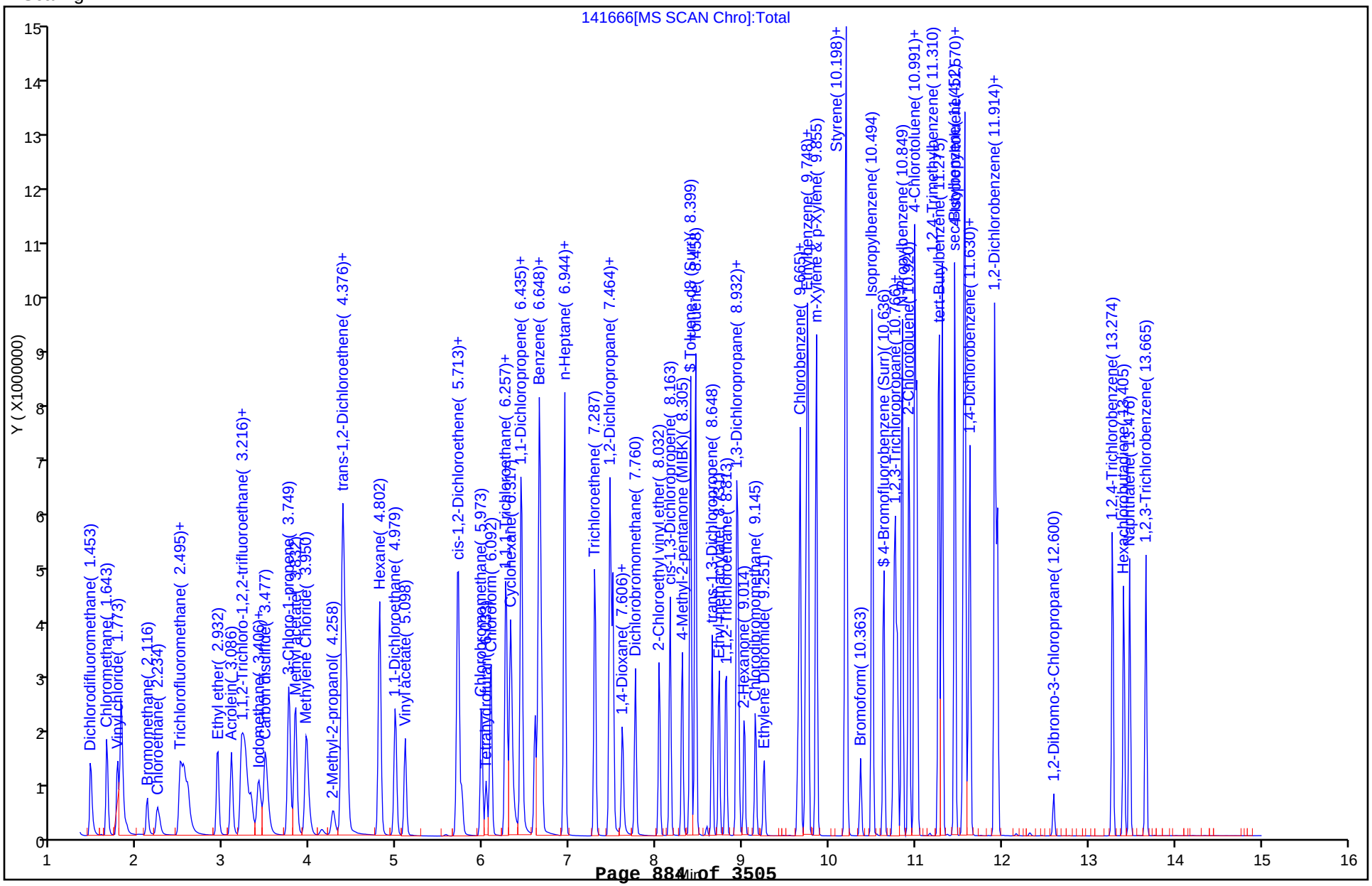
Report Date: 03-Apr-2013 12:44:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141666.D

Injection Date:	01-Apr-2013 14:25:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	4
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141667.D
Lims ID: IC Client ID:
Inject. Date: 01-Apr-2013 14:46:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: ic
Misc. Info.: 240-0018434-005 =240-0018434-005
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 80127 Lims Sample ID: 5
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m
Last Update: 03-Apr-2013 12:44:49 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK035

First Level Reviewer: macenczaks Date: 02-Apr-2013 09:15:40

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	95	1276120	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	863273	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	94	394994	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	88	630308	97.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	679113	96.2	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	2421189	97.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	91	818425	100.7	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	99	764747	105.0	
13 Chloromethane	50	1.643	1.643	0.0	100	949269	100.8	
14 Vinyl chloride	62	1.773	1.773	0.0	99	791227	104.3	
15 Bromomethane	94	2.116	2.116	0.0	91	232002	93.3	
16 Chloroethane	64	2.234	2.234	0.0	97	336051	95.3	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	1014504	98.7	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	1015150	104.8	
19 Ethyl ether	59	2.932	2.921	0.011	98	541542	94.1	
20 Acrolein	56	3.086	3.086	0.0	96	813789	1002.0	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	97	606092	103.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	85	529727	102.9	
22 Acetone	43	3.323	3.311	0.012	98	338437	202.8	
24 Iodomethane	142	3.406	3.406	0.0	98	1026112	107.5	
26 Carbon disulfide	76	3.489	3.477	0.012	100	1727805	97.0	
29 3-Chloro-1-propene	76	3.761	3.749	0.012	83	372076	107.8	
28 Methyl acetate	43	3.832	3.820	0.012	97	2158500	494.8	
30 Methylene Chloride	84	3.962	3.950	0.012	98	630017	91.6	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	94	441987	1016.8	
32 Acrylonitrile	53	4.364	4.364	0.0	99	2102664	1000.2	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	696061	103.2	
34 Methyl tert-butyl ether	73	4.423	4.411	0.012	88	1569755	103.2	
35 Hexane	86	4.802	4.802	0.0	95	185904	100.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.980	4.979	0.001	97	1290314	102.5	
37 Vinyl acetate	86	5.098	5.098	0.0	97	119739	121.0	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	86	657926	111.0	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	743893	102.4	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	93	529140	203.9	
47 Chlorobromomethane	128	5.985	5.973	0.012	97	339369	104.3	
48 Tetrahydrofuran	42	6.033	6.033	0.0	90	343757	193.9	
49 Chloroform	83	6.092	6.092	0.0	96	1121062	102.7	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	95	912874	107.7	
51 Cyclohexane	56	6.317	6.317	0.0	94	1341219	105.4	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	896731	102.7	
53 Carbon tetrachloride	117	6.435	6.435	0.0	81	890505	108.5	
54 Isobutyl alcohol	41	6.636	6.636	0.0	92	461032	2605.9	
55 Benzene	78	6.648	6.648	0.0	97	2697424	99.7	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	852106	97.8	
58 n-Heptane	100	6.944	6.944	0.0	95	220707	102.8	
60 Trichloroethene	130	7.287	7.287	0.0	96	775617	98.0	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	1202266	104.4	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	93	695406	102.8	
65 Dibromomethane	93	7.606	7.606	0.0	93	324986	101.5	
66 1,4-Dioxane	88	7.630	7.630	0.0	98	98385	2031.1	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	747993	96.0	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	559875	217.9	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	90	923818	97.5	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	98	1085084	207.1	
72 Toluene	91	8.458	8.458	0.0	97	2866124	98.5	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	703694	96.0	
74 Ethyl methacrylate	69	8.731	8.730	0.001	93	639857	110.6	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	93	449289	100.6	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	598619	100.0	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	96	780007	97.6	
78 2-Hexanone	43	9.015	9.014	0.001	99	708137	203.7	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	506273	95.8	
123 Ethylene Dibromide	107	9.251	9.251	0.0	99	452947	105.1	
82 Chlorobenzene	112	9.665	9.665	0.0	93	1741969	96.7	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	94	617998	106.8	
84 Ethylbenzene	106	9.760	9.760	0.0	98	977812	100.4	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	1191172	99.2	
85 o-Xylene	106	10.186	10.186	0.0	95	1134682	99.9	
86 Styrene	104	10.198	10.198	0.0	91	1863397	106.6	
87 Bromoform	173	10.364	10.363	0.001	97	262261	98.4	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	3150029	105.0	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	91	491861	106.5	
91 Bromobenzene	156	10.766	10.766	0.0	92	686253	98.0	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	89	161179	107.8	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	79	156663	99.8	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	874885	105.0	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	730772	102.3	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	93	2541770	106.5	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	726805	99.8	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	2394016	106.6	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	72	2536688	104.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	3311093	107.1	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	91	1366763	98.7	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	94	2854539	107.5	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	95	1319952	94.7	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	2405787	104.8	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	1243139	97.9	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	86	83535	100.1	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	780877	97.7	
110 Hexachlorobutadiene	225	13.405	13.404	0.001	98	350533	86.7	
111 Naphthalene	128	13.476	13.475	0.001	97	1654592	106.2	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	636994	102.3	
S 137 Trihalomethanes, Total	1				0		392.9	
S 11 1,2-Dichloroethene, Total	96				0		205.7	
S 9 1,3-Dichloropropene, Total	75				0		193.6	
S 114 Xylenes, Total	106				0		199.0	

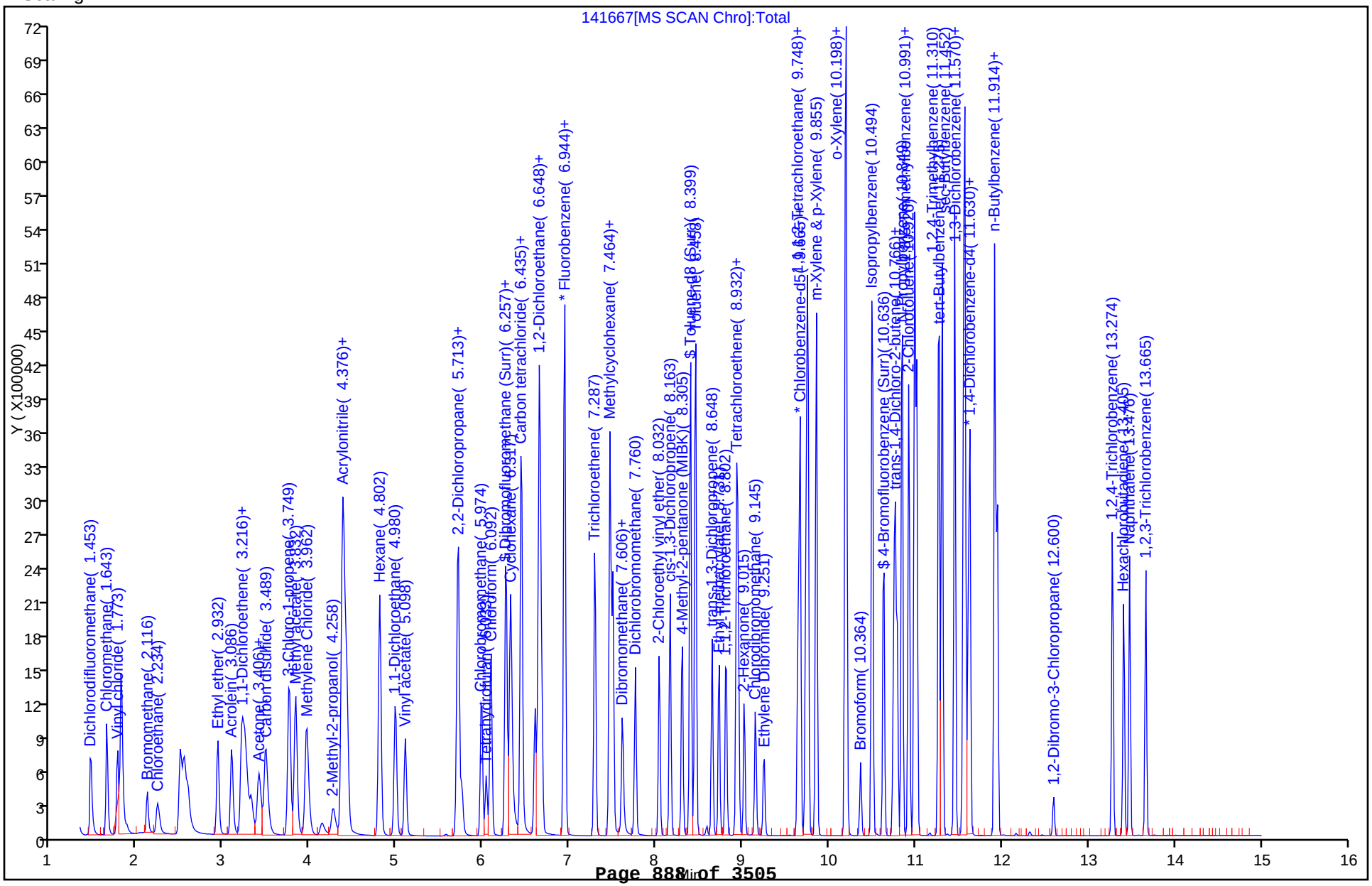
Report Date: 03-Apr-2013 12:44:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141667.D

Injection Date:	01-Apr-2013 14:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	5
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141668.D
Lims ID: ICIS Client ID:
Inject. Date: 01-Apr-2013 15:08:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 6
Sample ID: icis
Misc. Info.: 240-0018434-006 =240-0018434-006
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 80127 Lims Sample ID: 6
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m
Last Update: 03-Apr-2013 13:56:24 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK035

First Level Reviewer: macenczaks Date: 03-Apr-2013 13:56:24

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1285361	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	847501	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	381352	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	83	308631	45.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	335525	44.4	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1200479	46.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	97	375791	44.8	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	99	384066	52.4	
13 Chloromethane	50	1.643	1.643	0.0	100	482247	50.8	
14 Vinyl chloride	62	1.773	1.773	0.0	99	391674	51.3	
15 Bromomethane	94	2.116	2.116	0.0	89	114533	45.7	
16 Chloroethane	64	2.234	2.234	0.0	97	181388	51.0	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	99	519005	50.1	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	92	509898	52.3	
19 Ethyl ether	59	2.921	2.921	0.0	97	273001	47.1	
20 Acrolein	56	3.086	3.086	0.0	95	419888	513.3	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	309321	52.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	91	266264	51.4	
22 Acetone	43	3.311	3.311	0.0	98	179967	104.0	
24 Iodomethane	142	3.406	3.406	0.0	98	505260	52.6	
26 Carbon disulfide	76	3.477	3.477	0.0	100	809709	46.8	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	87	183822	52.9	
28 Methyl acetate	43	3.820	3.820	0.0	97	1099059	250.1	
30 Methylene Chloride	84	3.950	3.950	0.0	99	328593	47.4	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	94	210767	481.4	
32 Acrylonitrile	53	4.364	4.364	0.0	99	1053509	497.6	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	356326	52.5	
34 Methyl tert-butyl ether	73	4.411	4.411	0.0	93	785249	51.2	
35 Hexane	86	4.802	4.802	0.0	96	93183	50.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.979	4.979	0.0	97	654641	51.6	
37 Vinyl acetate	86	5.098	5.098	0.0	97	55896	56.1	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	85	311907	52.2	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	376473	51.5	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	260176	99.5	
47 Chlorobromomethane	128	5.973	5.973	0.0	96	171657	52.4	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	171507	96.0	
49 Chloroform	83	6.092	6.092	0.0	96	579362	52.7	
50 1,1,1-Trichloroethane	97	6.257	6.257	0.0	96	446980	52.4	
51 Cyclohexane	56	6.317	6.317	0.0	94	682502	53.2	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	456847	51.9	
53 Carbon tetrachloride	117	6.435	6.435	0.0	78	427266	51.7	
54 Isobutyl alcohol	41	6.636	6.636	0.0	91	218358	1225.4	
55 Benzene	78	6.648	6.648	0.0	97	1376887	50.5	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	434871	49.6	
58 n-Heptane	100	6.944	6.944	0.0	93	113030	52.3	
60 Trichloroethene	130	7.287	7.287	0.0	97	400779	50.3	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	623015	53.7	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	94	356825	52.4	
65 Dibromomethane	93	7.606	7.606	0.0	92	162976	50.5	
66 1,4-Dioxane	88	7.630	7.630	0.0	96	47479	973.1	
67 Dichlorobromomethane	83	7.760	7.760	0.0	98	361255	46.5	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	272934	105.5	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	89	444436	47.1	
71 4-Methyl-2-pentanone (MIBK)	43	8.304	8.304	0.0	98	534541	103.9	
72 Toluene	91	8.458	8.458	0.0	97	1450184	50.8	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	330257	46.4	
74 Ethyl methacrylate	69	8.730	8.730	0.0	93	307669	54.2	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	93	227277	51.8	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	300695	51.2	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	94	398186	50.8	
78 2-Hexanone	43	9.014	9.014	0.0	99	342035	100.2	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	230536	46.3	
123 Ethylene Dibromide	107	9.251	9.251	0.0	98	228134	53.9	
82 Chlorobenzene	112	9.665	9.665	0.0	94	883136	49.9	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	94	301455	53.1	
84 Ethylbenzene	106	9.760	9.760	0.0	98	492413	51.5	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	602270	51.1	
85 o-Xylene	106	10.186	10.186	0.0	94	575333	51.6	
86 Styrene	104	10.198	10.198	0.0	91	909029	53.0	
87 Bromoform	173	10.363	10.363	0.0	97	114519	47.6	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	1557219	52.9	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	95	232504	52.2	
91 Bromobenzene	156	10.766	10.766	0.0	91	346479	51.2	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	87	76700	53.1	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	80	76505	50.5	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	433915	54.0	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	360473	52.3	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	1233325	53.5	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	366523	52.1	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	1153651	53.2	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	1237447	52.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	1591228	53.3	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	659542	49.3	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	89	1357367	52.9	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	95	647811	48.2	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1155240	52.1	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	98	595262	48.6	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	82	32108	49.5	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	336594	43.6	
110 Hexachlorobutadiene	225	13.404	13.404	0.0	98	172776	44.3	
111 Naphthalene	128	13.475	13.475	0.0	97	658860	43.8	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	260636	46.2	
S 137 Trihalomethanes, Total	1				0		193.1	
S 11 1,2-Dichloroethene, Total	96				0		103.9	
S 9 1,3-Dichloropropene, Total	75				0		93.5	
S 114 Xylenes, Total	106				0		102.6	

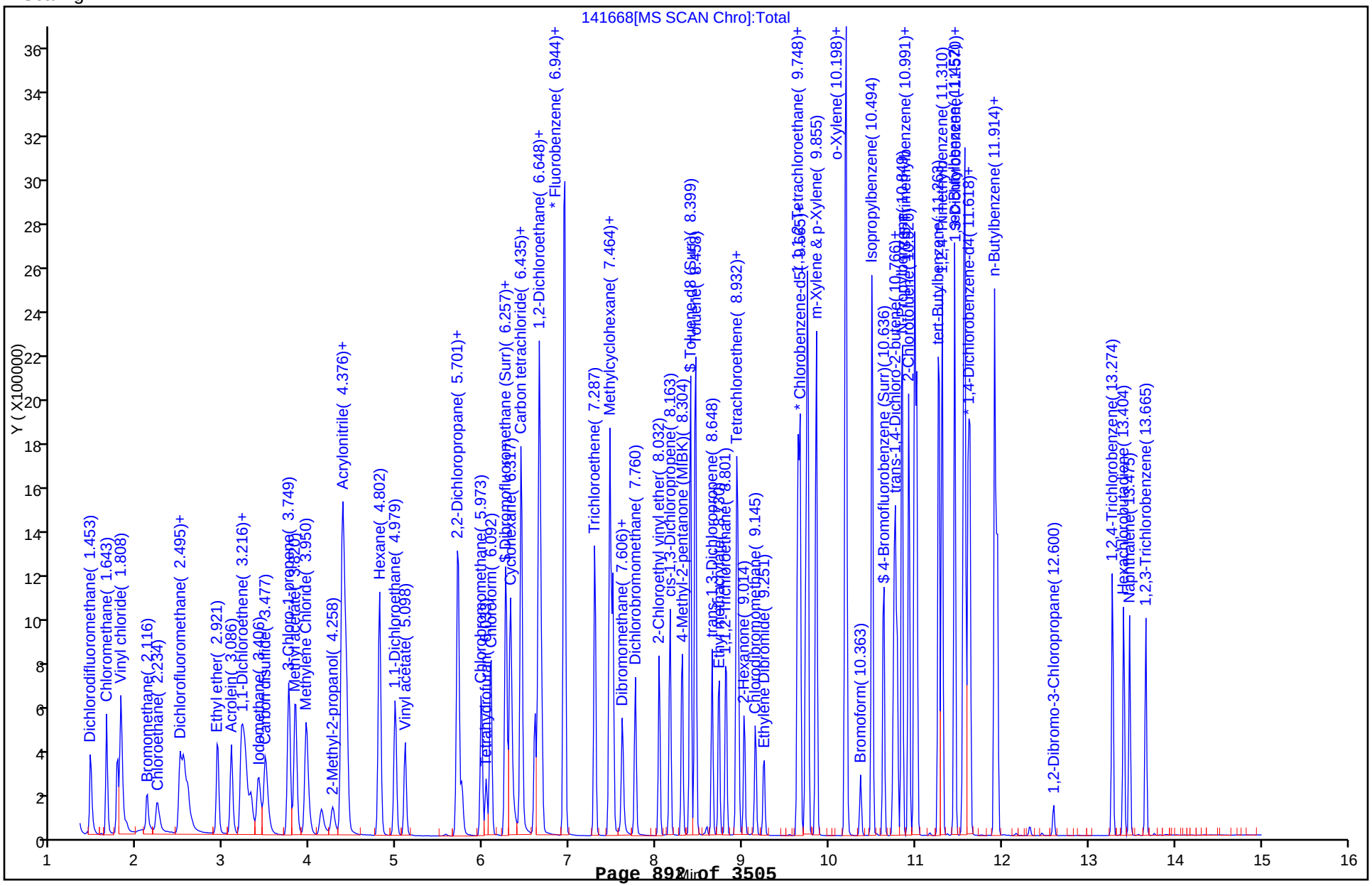
Report Date: 03-Apr-2013 13:56:26 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141668.D

Injection Date:	01-Apr-2013 15:08:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	6
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141669.D
Lims ID: IC Client ID:
Inject. Date: 01-Apr-2013 15:29:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: ic
Misc. Info.: 240-0018434-007 =240-0018434-007
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 80127 Lims Sample ID: 7
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m
Last Update: 03-Apr-2013 12:44:51 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK035

First Level Reviewer: macenczaks Date: 02-Apr-2013 09:17:14

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	99	1260088	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	834369	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	369643	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	80	146298	19.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	99	167163	19.9	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	88	581877	19.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	92	186058	20.1	
12 Dichlorodifluoromethane	85	1.465	1.453	0.012	98	150340	20.9	
13 Chloromethane	50	1.643	1.643	0.0	100	184845	19.9	
14 Vinyl chloride	62	1.773	1.773	0.0	98	150215	20.1	
15 Bromomethane	94	2.116	2.116	0.0	91	46385	18.9	
16 Chloroethane	64	2.222	2.234	-0.012	97	66418	19.1	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	98	198146	19.5	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	99	191645	20.0	
19 Ethyl ether	59	2.932	2.921	0.011	97	111184	19.6	
20 Acrolein	56	3.086	3.086	0.0	94	160333	199.9	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	96	118436	20.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	90	101906	20.1	
22 Acetone	43	3.323	3.311	0.012	100	73127	39.2	
24 Iodomethane	142	3.406	3.406	0.0	98	190805	20.2	
26 Carbon disulfide	76	3.477	3.477	0.0	100	270446	18.0	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	87	66288	19.4	
28 Methyl acetate	43	3.832	3.820	0.012	97	437383	101.5	
30 Methylene Chloride	84	3.962	3.950	0.012	98	138859	20.4	
31 2-Methyl-2-propanol	59	4.270	4.258	0.012	93	82181	191.5	
32 Acrylonitrile	53	4.364	4.364	0.0	99	414053	199.5	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	136663	20.5	
34 Methyl tert-butyl ether	73	4.423	4.411	0.012	92	302544	20.1	
35 Hexane	86	4.802	4.802	0.0	95	38311	21.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.980	4.979	0.001	97	253425	20.4	
37 Vinyl acetate	86	5.098	5.098	0.0	97	20238	20.7	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	83	113299	19.4	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	85	146833	20.5	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	99	100893	39.4	
47 Chlorobromomethane	128	5.985	5.973	0.012	97	65302	20.3	
48 Tetrahydrofuran	42	6.033	6.033	0.0	90	68818	39.3	
49 Chloroform	83	6.092	6.092	0.0	96	221086	20.5	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	95	162941	19.5	
51 Cyclohexane	56	6.317	6.317	0.0	94	265642	21.1	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	90	178238	20.7	
53 Carbon tetrachloride	117	6.435	6.435	0.0	86	153965	19.0	
54 Isobutyl alcohol	41	6.636	6.636	0.0	92	84736	485.1	
55 Benzene	78	6.648	6.648	0.0	97	538837	20.2	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	172468	20.0	
58 n-Heptane	100	6.944	6.944	0.0	94	43622	20.6	
60 Trichloroethene	130	7.287	7.287	0.0	97	157278	20.1	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	242287	21.3	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	91	138377	20.7	
65 Dibromomethane	93	7.606	7.606	0.0	91	62992	19.9	
66 1,4-Dioxane	88	7.630	7.630	0.0	96	19929	416.7	
67 Dichlorobromomethane	83	7.760	7.760	0.0	97	124799	17.0	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	92	106910	42.1	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	88	157008	17.6	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	98	211843	41.8	
72 Toluene	91	8.458	8.458	0.0	97	566046	20.1	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	115389	17.1	
74 Ethyl methacrylate	69	8.731	8.730	0.001	92	116187	20.8	
75 1,1,2-Trichloroethane	97	8.802	8.813	-0.011	94	91031	21.1	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	118145	20.4	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	94	158534	20.5	
78 2-Hexanone	43	9.015	9.014	0.001	99	136713	40.7	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	76731	17.9	
123 Ethylene Dibromide	107	9.251	9.251	0.0	97	88124	21.2	
82 Chlorobenzene	112	9.665	9.665	0.0	93	349981	20.1	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	87	107708	19.3	
84 Ethylbenzene	106	9.748	9.760	-0.012	99	191237	20.3	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	98	234337	20.2	
85 o-Xylene	106	10.186	10.186	0.0	94	223532	20.4	
86 Styrene	104	10.198	10.198	0.0	92	350553	20.7	
87 Bromoform	173	10.363	10.363	0.0	96	36549	17.9	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	586913	20.2	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	96	90265	20.9	
91 Bromobenzene	156	10.766	10.766	0.0	89	135151	20.6	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	64	28206	20.2	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	79	29138	19.8	
94 N-Propylbenzene	120	10.849	10.849	0.0	97	164862	21.2	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	136870	20.5	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	458973	20.6	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	138902	20.4	
97 tert-Butylbenzene	119	11.263	11.275	-0.012	91	431067	20.5	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	463568	20.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	93	597026	20.6	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	259988	20.1	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	83	511329	20.6	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	94	255782	19.6	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	439842	20.5	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	98	231257	19.5	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	72	11502	21.0	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	134816	18.0	
110 Hexachlorobutadiene	225	13.405	13.404	0.001	95	74937	19.8	
111 Naphthalene	128	13.476	13.475	0.001	97	266441	18.3	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	108714	19.8	
S 137 Trihalomethanes, Total	1				0		73.3	
S 11 1,2-Dichloroethene, Total	96				0		41.0	
S 9 1,3-Dichloropropene, Total	75				0		34.7	
S 114 Xylenes, Total	106				0		40.5	

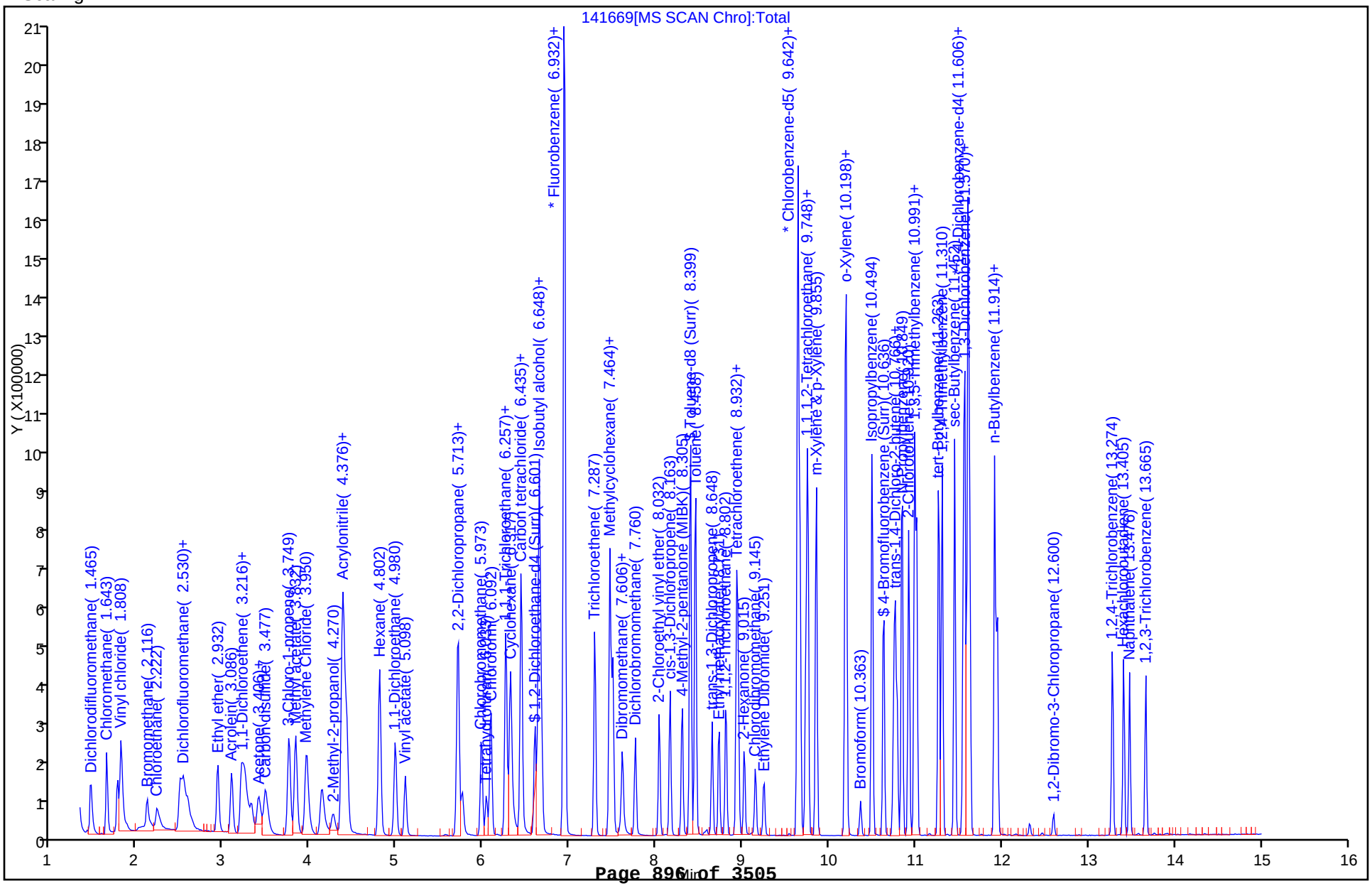
Report Date: 03-Apr-2013 12:44:51 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141669.D

Injection Date:	01-Apr-2013 15:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141670.D
Lims ID: IC Client ID:
Inject. Date: 01-Apr-2013 15:51:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: ic
Misc. Info.: 240-0018434-008 =240-0018434-008
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 80127 Lims Sample ID: 8
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m
Last Update: 03-Apr-2013 12:44:52 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK035

First Level Reviewer: macenczaks Date: 02-Apr-2013 09:18:41

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	99	1331163	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	870767	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	396324	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	80	94284	10.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	98	111312	10.5	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	387397	10.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	97	125200	10.4	
12 Dichlorodifluoromethane	85	1.465	1.453	0.012	98	79303	10.4	
13 Chloromethane	50	1.643	1.643	0.0	89	96385	9.81	
14 Vinyl chloride	62	1.773	1.773	0.0	83	78146	9.87	
15 Bromomethane	94	2.116	2.116	0.0	90	22917	8.83	
16 Chloroethane	64	2.234	2.234	0.0	96	35264	9.58	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	94	103470	9.65	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	96	98339	9.74	
19 Ethyl ether	59	2.932	2.921	0.011	98	55319	9.22	
20 Acrolein	56	3.086	3.086	0.0	96	79077	93.3	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	57564	9.43	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	88	49046	9.14	
22 Acetone	43	3.323	3.311	0.012	96	40463	17.4	
24 Iodomethane	142	3.406	3.406	0.0	96	94140	9.46	
26 Carbon disulfide	76	3.477	3.477	0.0	100	120702	9.36	
29 3-Chloro-1-propene	76	3.761	3.749	0.012	86	29497	8.19	
28 Methyl acetate	43	3.832	3.820	0.012	97	211623	46.5	
30 Methylene Chloride	84	3.962	3.950	0.012	94	75274	10.5	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	90	37847	83.5	
32 Acrylonitrile	53	4.364	4.364	0.0	99	202062	92.1	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	97	69076	9.82	
34 Methyl tert-butyl ether	73	4.423	4.411	0.012	91	147988	9.32	
35 Hexane	86	4.802	4.802	0.0	95	18891	9.83	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.979	4.979	0.0	97	122950	9.36	
37 Vinyl acetate	86	5.098	5.098	0.0	97	10377	10.1	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	78	52328	8.46	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	85	72998	9.64	
41 2-Butanone (MEK)	43	5.760	5.749	0.011	98	50186	18.5	
47 Chlorobromomethane	128	5.985	5.973	0.012	96	31707	9.34	
48 Tetrahydrofuran	42	6.033	6.033	0.0	90	33540	18.1	
49 Chloroform	83	6.092	6.092	0.0	96	107287	9.42	
50 1,1,1-Trichloroethane	97	6.257	6.257	0.0	94	76406	8.64	
51 Cyclohexane	56	6.317	6.317	0.0	94	131522	9.91	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	88740	9.74	
53 Carbon tetrachloride	117	6.435	6.435	0.0	87	70663	8.26	
54 Isobutyl alcohol	41	6.636	6.636	0.0	88	40734	220.7	
55 Benzene	78	6.648	6.648	0.0	98	271978	9.64	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	86284	9.49	
58 n-Heptane	100	6.944	6.944	0.0	92	21837	9.75	
60 Trichloroethene	130	7.287	7.287	0.0	96	77074	9.34	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	119600	9.95	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	89	67507	9.57	
65 Dibromomethane	93	7.606	7.606	0.0	89	31110	9.31	
66 1,4-Dioxane	88	7.630	7.630	0.0	89	10340	204.6	
67 Dichlorobromomethane	83	7.760	7.760	0.0	97	56613	7.84	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	93	51197	19.1	
70 cis-1,3-Dichloropropene	75	8.162	8.163	0.0	87	71109	8.12	
71 4-Methyl-2-pentanone (MIBK)	43	8.304	8.304	0.0	99	99480	18.8	
72 Toluene	91	8.458	8.458	0.0	98	283830	9.67	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	93	51586	7.91	
74 Ethyl methacrylate	69	8.730	8.730	0.0	93	53776	9.21	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	94	43676	9.69	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	61534	10.2	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	95	78294	9.72	
78 2-Hexanone	43	9.014	9.014	0.0	98	68073	19.4	
79 Chlorodibromomethane	129	9.145	9.145	0.0	89	34113	9.56	
123 Ethylene Dibromide	107	9.251	9.251	0.0	97	41941	9.65	
82 Chlorobenzene	112	9.665	9.665	0.0	95	179576	9.88	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	88	49671	8.51	
84 Ethylbenzene	106	9.748	9.760	-0.012	99	96806	9.85	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	117256	9.68	
85 o-Xylene	106	10.186	10.186	0.0	95	112351	9.80	
86 Styrene	104	10.198	10.198	0.0	90	173395	9.83	
87 Bromoform	173	10.363	10.363	0.0	96	15062	8.86	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	299925	9.91	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	97	45168	9.75	
91 Bromobenzene	156	10.766	10.766	0.0	90	68627	9.77	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	74	13996	9.33	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	72	15308	9.72	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	84983	10.2	
95 2-Chlorotoluene	126	10.920	10.920	0.0	97	72221	10.1	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	237509	9.92	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	72680	9.95	
97 tert-Butylbenzene	119	11.263	11.275	-0.012	91	226540	10.1	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	77	240863	9.91	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	308380	9.94	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	135378	9.75	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	84	263424	9.88	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	93	135533	9.69	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	229898	9.99	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	121248	9.52	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	63	5824	10.3	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	82228	10.3	
110 Hexachlorobutadiene	225	13.404	13.404	0.0	98	44761	11.0	
111 Naphthalene	128	13.475	13.475	0.0	97	155447	9.94	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	66746	10.8	
S 137 Trihalomethanes, Total	1				0		35.7	
S 11 1,2-Dichloroethene, Total	96				0		19.5	
S 9 1,3-Dichloropropene, Total	75				0		16.0	
S 114 Xylenes, Total	106				0		19.5	

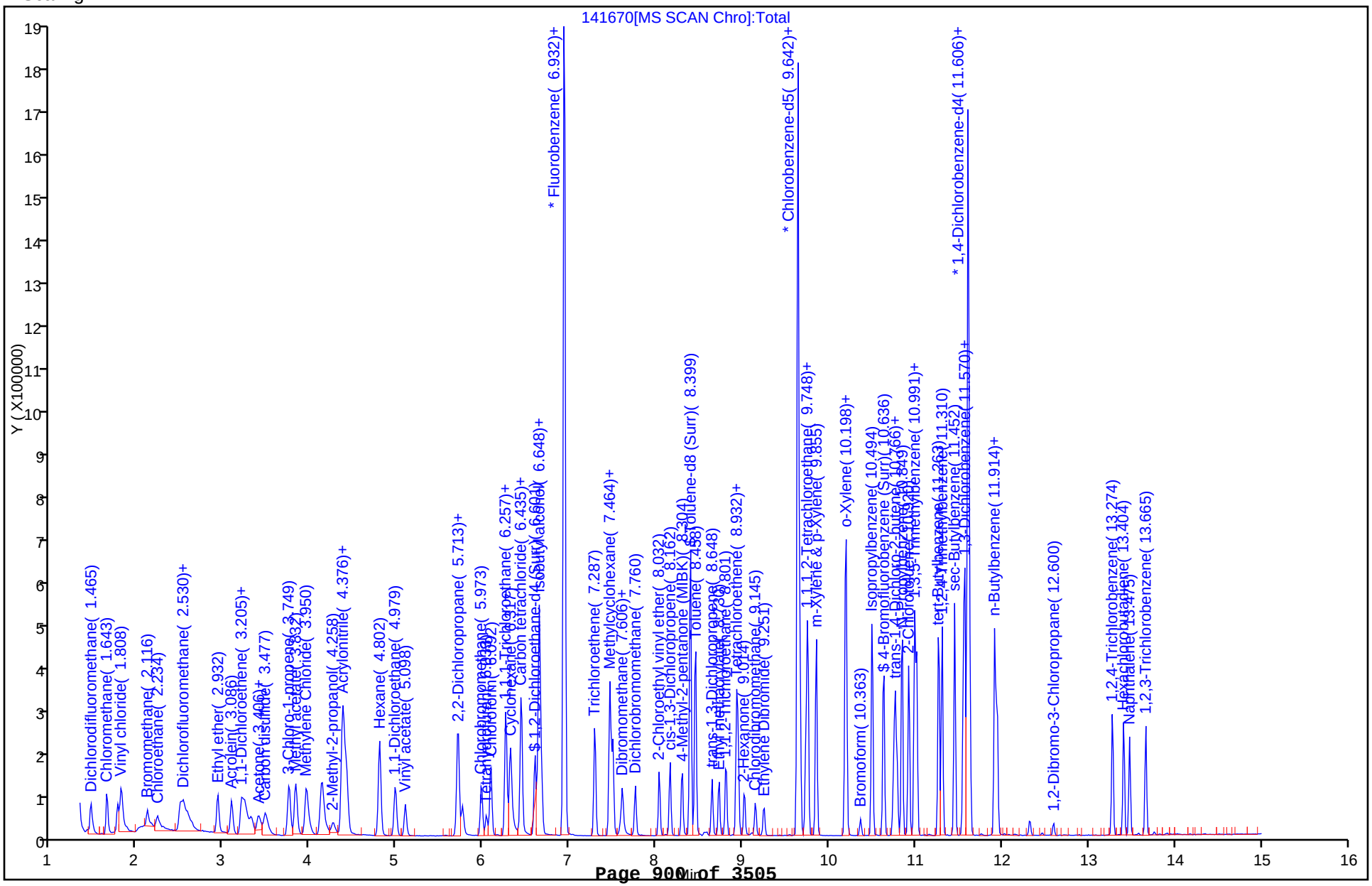
Report Date: 03-Apr-2013 12:44:52 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141670.D

Injection Date:	01-Apr-2013 15:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141671.D
Lims ID: IC Client ID:
Inject. Date: 01-Apr-2013 16:12:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: ic
Misc. Info.: 240-0018434-009 =240-0018434-009
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 80127 Lims Sample ID: 9
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m
Last Update: 03-Apr-2013 12:44:53 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK035

First Level Reviewer: macenczaks Date: 02-Apr-2013 09:19:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	99	1263992	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	823672	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	384133	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	65	59709	5.71	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	98	71515	5.35	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	247665	5.17	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	94	81950	5.17	
12 Dichlorodifluoromethane	85	1.465	1.453	0.012	96	37785	5.24	
13 Chloromethane	50	1.643	1.643	0.0	100	44791	4.80	
14 Vinyl chloride	62	1.773	1.773	0.0	97	37022	4.93	
15 Bromomethane	94	2.116	2.116	0.0	84	11372	4.62	
16 Chloroethane	64	2.234	2.234	0.0	89	17000	4.87	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	95	49773	4.89	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	95	45747	4.77	
19 Ethyl ether	59	2.932	2.921	0.011	95	28137	4.94	
20 Acrolein	56	3.086	3.086	0.0	91	40200	50.0	
21 1,1-Dichloroethene	96	3.216	3.205	0.012	87	29452	5.08	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	83	23261	4.56	
22 Acetone	43	3.323	3.311	0.012	97	28343	11.1	
24 Iodomethane	142	3.406	3.406	0.0	97	45850	4.85	
26 Carbon disulfide	76	3.477	3.477	0.0	98	55727	6.13	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	84	14025	4.10	
28 Methyl acetate	43	3.832	3.820	0.012	97	109236	25.3	
30 Methylene Chloride	84	3.962	3.950	0.012	98	41745	6.13	
31 2-Methyl-2-propanol	59	4.270	4.258	0.012	81	23079	53.6	
32 Acrylonitrile	53	4.364	4.364	0.0	98	102856	49.4	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	97	34102	5.11	
34 Methyl tert-butyl ether	73	4.423	4.411	0.012	92	74407	4.94	
35 Hexane	86	4.802	4.802	0.0	95	9535	5.22	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.979	4.979	0.0	96	60560	4.86	
37 Vinyl acetate	86	5.110	5.098	0.012	97	4426	4.52	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	83	24512	4.17	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	87	36773	5.11	
41 2-Butanone (MEK)	43	5.760	5.749	0.011	96	27138	10.6	
47 Chlorobromomethane	128	5.985	5.973	0.012	92	16473	5.11	
48 Tetrahydrofuran	42	6.044	6.033	0.011	88	17236	9.81	
49 Chloroform	83	6.092	6.092	0.0	96	53430	4.94	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	87	35880	4.27	
51 Cyclohexane	56	6.317	6.317	0.0	94	62445	4.95	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	90	44314	5.12	
53 Carbon tetrachloride	117	6.435	6.435	0.0	83	32666	4.02	
54 Isobutyl alcohol	41	6.636	6.636	0.0	73	21481	122.6	
55 Benzene	78	6.648	6.648	0.0	97	138640	5.17	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	93	44154	5.12	
58 n-Heptane	100	6.944	6.944	0.0	79	10649	5.01	
60 Trichloroethene	130	7.287	7.287	0.0	97	40106	5.12	
63 Methylcyclohexane	83	7.464	7.464	0.0	95	59905	5.25	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	90	34166	5.10	
65 Dibromomethane	93	7.606	7.606	0.0	87	14731	4.64	
66 1,4-Dioxane	88	7.630	7.630	0.0	83	4718	98.3	
67 Dichlorobromomethane	83	7.760	7.760	0.0	96	26212	4.31	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	91	23890	9.39	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	79	29809	4.14	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	98	48609	9.72	
72 Toluene	91	8.458	8.458	0.0	97	142007	5.12	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	95	23647	4.35	
74 Ethyl methacrylate	69	8.731	8.730	0.0	89	25748	4.66	
75 1,1,2-Trichloroethane	97	8.802	8.813	-0.011	95	21785	5.11	
77 Tetrachloroethene	164	8.932	8.932	0.0	99	30153	5.28	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	93	40174	5.27	
78 2-Hexanone	43	9.014	9.014	0.0	97	33674	10.2	
79 Chlorodibromomethane	129	9.145	9.145	0.0	88	14348	6.13	
123 Ethylene Dibromide	107	9.251	9.251	0.0	96	20005	4.87	
82 Chlorobenzene	112	9.665	9.665	0.0	93	88200	5.13	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	84	23823	4.32	
84 Ethylbenzene	106	9.760	9.760	0.0	97	47847	5.15	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	58542	5.11	
85 o-Xylene	106	10.186	10.186	0.0	95	56045	5.17	
86 Styrene	104	10.198	10.198	0.0	91	82843	4.97	
87 Bromoform	173	10.363	10.363	0.0	88	7271	5.94	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	144321	5.04	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	86	21893	4.88	
91 Bromobenzene	156	10.766	10.766	0.0	90	35455	5.21	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	51	6330	4.35	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	74	7861	5.15	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	42125	5.20	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	36261	5.22	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	96	116348	5.01	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	37191	5.25	
97 tert-Butylbenzene	119	11.275	11.275	0.0	90	111555	5.11	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	119371	5.07	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	93	153156	5.09	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	83	71345	5.30	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	77	128602	4.98	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	91	69736	5.15	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	114399	5.13	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	97	66313	5.37	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	46	2490	4.47	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	44661	5.75	
110 Hexachlorobutadiene	225	13.405	13.404	0.0	96	23922	6.09	
111 Naphthalene	128	13.476	13.475	0.001	96	87532	5.78	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	40647	6.18	
S 137 Trihalomethanes, Total	1				0		21.3	
S 11 1,2-Dichloroethene, Total	96				0		10.2	
S 9 1,3-Dichloropropene, Total	75				0		8.49	
S 114 Xylenes, Total	106				0		10.3	

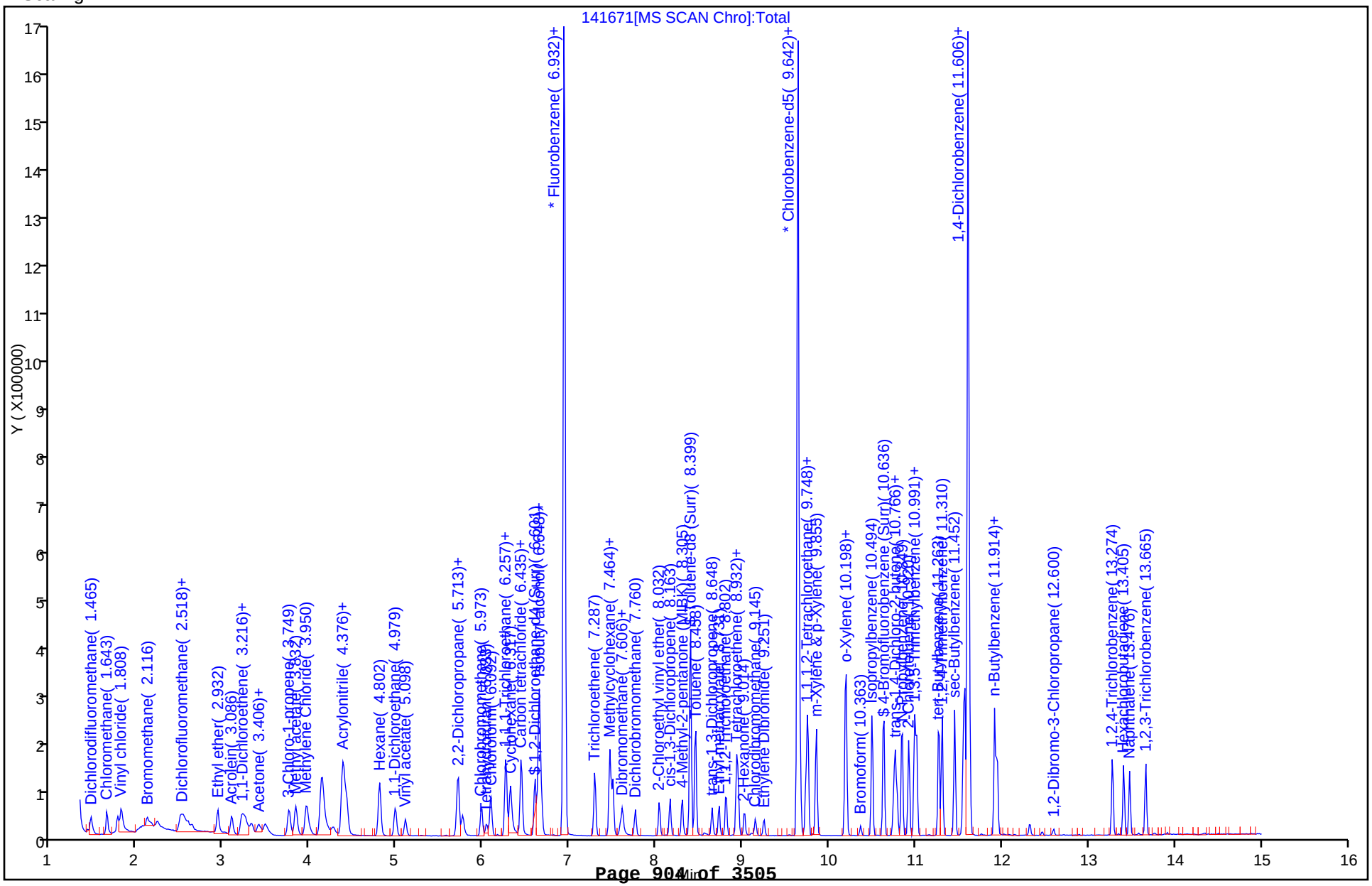
Report Date: 03-Apr-2013 12:44:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141671.D

Injection Date:	01-Apr-2013 16:12:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	9
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141672.D		
Lims ID:	IC	Client ID:	
Inject. Date:	01-Apr-2013 16:34:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	ic		
Misc. Info.:	240-0018434-010 =240-0018434-010		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	9
Lims Batch ID:	80127	Lims Sample ID:	10
Sublist:	chrom-8260_14*sub32		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m		
Last Update:	03-Apr-2013 12:44:54	Calib Date:	01-Apr-2013 20:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK035		
First Level Reviewer: macenczaks		Date:	02-Apr-2013 09:20:12

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1197493	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	789352	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	370952	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	58	34767	1.99	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	45486	1.79	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	148798	1.04	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	91	49084	1.00	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	94	12576	1.84	
13 Chloromethane	50	1.643	1.643	0.0	88	16733	1.89	
14 Vinyl chloride	62	1.761	1.773	-0.012	81	12858	1.81	
15 Bromomethane	94	2.104	2.116	-0.012	88	5800	2.49	
16 Chloroethane	64	2.223	2.234	-0.011	68	6607	2.00	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	88	19185	1.99	
18 Trichlorofluoromethane	101	2.530	2.542	-0.012	73	17300	1.90	
19 Ethyl ether	59	2.921	2.921	0.0	95	11391	2.11	
20 Acrolein	56	3.086	3.086	0.0	92	15999	21.0	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	94	9746	1.77	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.240	0.0	68	7677	1.59	
22 Acetone	43	3.311	3.311	0.0	95	16595	4.32	
24 Iodomethane	142	3.406	3.406	0.0	92	16717	1.87	
26 Carbon disulfide	76	3.477	3.477	0.0	97	19157	4.18	
29 3-Chloro-1-propene	76	3.749	3.749	0.0	75	4769	1.47	
28 Methyl acetate	43	3.832	3.820	0.012	96	42269	10.3	
30 Methylene Chloride	84	3.950	3.950	0.0	93	22345	3.46	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	72	8538	20.9	
32 Acrylonitrile	53	4.364	4.364	0.0	99	41601	21.1	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	92	11699	1.85	
34 Methyl tert-butyl ether	73	4.423	4.411	0.012	90	28623	2.00	
35 Hexane	86	4.790	4.802	-0.012	94	3406	1.97	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.980	4.979	0.001	89	24191	2.05	
37 Vinyl acetate	86	5.098	5.098	0.0	90	1788	1.93	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	59	9082	1.63	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	12856	1.89	
41 2-Butanone (MEK)	43	5.761	5.749	0.012	53	10771	4.42	
47 Chlorobromomethane	128	5.985	5.973	0.012	87	5903	1.93	
48 Tetrahydrofuran	42	6.033	6.033	0.0	86	7302	4.39	
49 Chloroform	83	6.092	6.092	0.0	94	19920	1.94	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	52	12255	1.54	
51 Cyclohexane	56	6.317	6.317	0.0	93	22347	1.87	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	86	15293	1.87	
53 Carbon tetrachloride	117	6.435	6.435	0.0	49	9381	1.22	
54 Isobutyl alcohol	41	6.636	6.636	0.0	35	8364	50.4	
55 Benzene	78	6.648	6.648	0.0	95	50055	1.97	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	90	16727	2.05	
58 n-Heptane	100	6.944	6.944	0.0	62	3750	1.86	
60 Trichloroethene	130	7.287	7.287	0.0	96	15249	2.05	
63 Methylcyclohexane	83	7.465	7.464	0.001	93	18586	1.72	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	82	11822	1.86	
65 Dibromomethane	93	7.607	7.606	0.0	83	6061	2.02	
66 1,4-Dioxane	88	7.642	7.630	0.012	55	1926	42.4	
67 Dichlorobromomethane	83	7.760	7.760	0.0	91	8854	2.15	
69 2-Chloroethyl vinyl ether	63	8.033	8.032	0.001	80	8079	3.35	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	73	9636	2.07	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	95	18879	3.94	
72 Toluene	91	8.458	8.458	0.0	89	52939	1.99	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	86	7347	2.09	
74 Ethyl methacrylate	69	8.731	8.730	0.001	86	8269	1.56	
75 1,1,2-Trichloroethane	97	8.802	8.813	-0.011	89	7657	1.87	
77 Tetrachloroethene	164	8.932	8.932	0.0	95	10795	1.97	
76 1,3-Dichloropropane	76	8.944	8.955	-0.011	93	14556	1.99	
78 2-Hexanone	43	9.015	9.014	0.001	92	12238	3.85	
79 Chlorodibromomethane	129	9.145	9.145	0.0	66	5069	4.40	
123 Ethylene Dibromide	107	9.239	9.251	-0.012	87	6989	1.77	
82 Chlorobenzene	112	9.665	9.665	0.0	95	33145	2.01	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	82	7392	1.40	
84 Ethylbenzene	106	9.748	9.760	-0.012	98	18051	2.03	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	98	21230	1.93	
85 o-Xylene	106	10.186	10.186	0.0	94	19856	1.91	
86 Styrene	104	10.198	10.198	0.0	86	27767	1.74	
87 Bromoform	173	10.364	10.363	0.001	68	2183	3.85	
88 Isopropylbenzene	105	10.494	10.494	0.0	95	49077	1.79	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	89	7892	1.82	
91 Bromobenzene	156	10.766	10.766	0.0	88	13197	2.01	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.789	0.001	43	2356	1.68	
92 1,2,3-Trichloropropane	110	10.790	10.789	0.001	61	2717	1.84	
94 N-Propylbenzene	120	10.849	10.849	0.0	96	13330	1.70	
95 2-Chlorotoluene	126	10.920	10.920	0.0	95	12250	1.83	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	91	39724	1.77	
104 4-Chlorotoluene	126	11.014	11.014	0.0	96	13481	1.97	
97 tert-Butylbenzene	119	11.263	11.275	-0.012	90	36637	1.74	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	72	41691	1.83	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	89	52109	1.79	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	77	25995	2.00	
101 4-Isopropyltoluene	119	11.571	11.570	0.001	61	44003	1.76	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	80	27755	2.12	
105 n-Butylbenzene	91	11.914	11.914	0.0	94	38190	1.77	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	95	24504	2.06	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	16	1173	1.98	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	91	17452	2.33	
110 Hexachlorobutadiene	225	13.405	13.404	0.001	88	8472	2.23	
111 Naphthalene	128	13.476	13.475	0.001	94	37781	2.58	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	91	15921	1.49	
S 137 Trihalomethanes, Total	1				0		12.3	
S 11 1,2-Dichloroethene, Total	96				0		3.74	
S 9 1,3-Dichloropropene, Total	75				0		4.16	
S 114 Xylenes, Total	106				0		3.84	

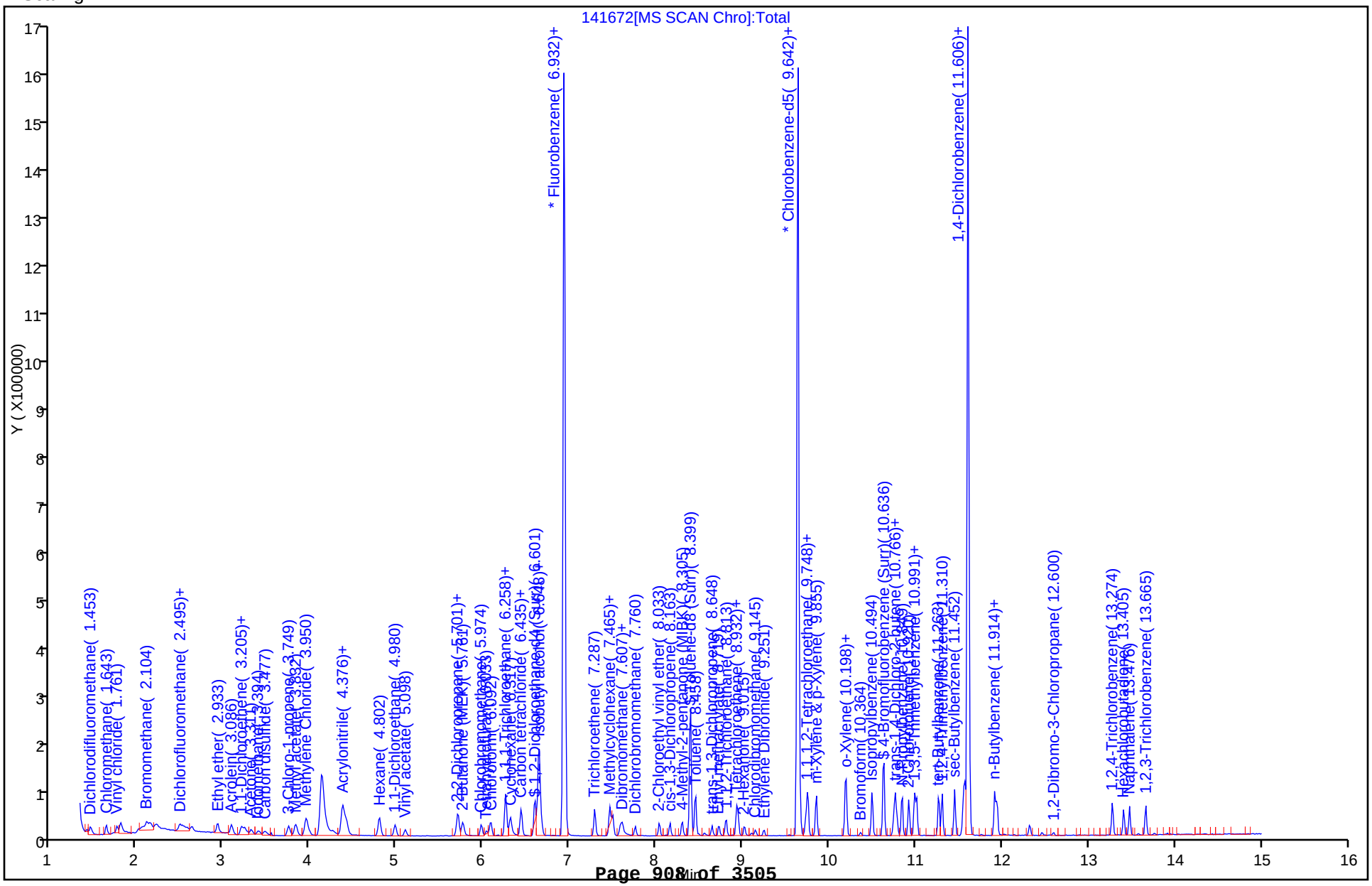
Report Date: 03-Apr-2013 12:44:54 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141672.D

Injection Date:	01-Apr-2013 16:34:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	10
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141673.D		
Lims ID:	IC	Client ID:	
Inject. Date:	01-Apr-2013 16:55:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	ic		
Misc. Info.:	240-0018434-011 =240-0018434-011		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	10
Lims Batch ID:	80127	Lims Sample ID:	11
Sublist:	chrom-8260_14*sub32		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m		
Last Update:	03-Apr-2013 12:44:54	Calib Date:	01-Apr-2013 20:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK035		
First Level Reviewer: macenczaks		Date:	02-Apr-2013 09:21:12

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1241738	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	95	822415	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	381634	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	56	29574	0.9196	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	93	39627	0.6338	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	92	139921	0.3591	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	89	45432	0.3204	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	69	5995	0.8460	
13 Chloromethane	50	1.643	1.643	0.0	99	10249	1.12	
14 Vinyl chloride	62	1.761	1.773	-0.012	71	7109	0.9630	
15 Bromomethane	94	2.116	2.116	0.0	76	2964	1.22	
16 Chloroethane	64	2.222	2.234	-0.012	56	3485	1.02	
17 Dichlorofluoromethane	67	2.495	2.495	0.0	66	10916	1.09	
18 Trichlorofluoromethane	101	2.530	2.542	-0.012	65	8393	0.8908	
19 Ethyl ether	59	2.921	2.921	0.0	91	6966	1.24	
20 Acrolein	56	3.086	3.086	0.0	75	8467	10.7	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	78	4996	0.8771	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	32	2980	0.5951	
22 Acetone	43	3.323	3.311	0.012	95	14683	2.71	
24 Iodomethane	142	3.394	3.406	-0.012	76	7765	0.8362	
26 Carbon disulfide	76	3.477	3.477	0.0	93	8780	3.56	
29 3-Chloro-1-propene	76	3.737	3.749	-0.012	77	2430	0.7235	
28 Methyl acetate	43	3.832	3.820	0.012	94	21386	5.04	
30 Methylene Chloride	84	3.950	3.950	0.0	93	16679	2.49	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	47	5264	12.4	
32 Acrylonitrile	53	4.364	4.364	0.0	99	20805	10.2	
33 trans-1,2-Dichloroethene	96	4.376	4.388	-0.012	90	5750	0.8763	
34 Methyl tert-butyl ether	73	4.412	4.411	0.001	86	13065	0.8824	
35 Hexane	86	4.802	4.802	0.0	91	1463	0.8158	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.980	4.979	0.001	72	10792	0.8807	
37 Vinyl acetate	86	5.098	5.098	0.0	89	731	0.7594	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	44	4185	0.7255	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	79	6591	0.9328	
41 2-Butanone (MEK)	43	5.761	5.749	0.012	23	7694	3.05	
47 Chlorobromomethane	128	5.974	5.973	0.001	83	2694	0.8507	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	4053	2.35	
49 Chloroform	83	6.080	6.092	-0.012	86	9406	0.8853	
50 1,1,1-Trichloroethane	97	6.258	6.257	0.001	22	5736	0.6956	
51 Cyclohexane	56	6.317	6.317	0.0	85	9617	0.7765	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	81	7521	0.8853	
53 Carbon tetrachloride	117	6.435	6.435	0.0	55	4533	0.5677	
54 Isobutyl alcohol	41	6.636	6.636	0.0	49	4531	26.3	
55 Benzene	78	6.648	6.648	0.0	93	25803	0.9802	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	77	8511	1.00	
58 n-Heptane	100	6.944	6.944	0.0	35	1780	0.8524	
60 Trichloroethene	130	7.287	7.287	0.0	89	7919	1.03	
63 Methylcyclohexane	83	7.464	7.464	0.0	85	8970	0.8002	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	79	5770	0.8767	
65 Dibromomethane	93	7.606	7.606	0.0	77	3208	1.03	
66 1,4-Dioxane	88	7.642	7.630	0.012	33	845	17.9	
67 Dichlorobromomethane	83	7.760	7.760	0.0	67	4134	1.49	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	74	4097	1.64	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	61	4615	1.49	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	87	8983	1.80	
72 Toluene	91	8.458	8.458	0.0	90	28207	1.02	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	68	3446	1.49	
74 Ethyl methacrylate	69	8.731	8.730	0.001	70	4876	0.8847	
75 1,1,2-Trichloroethane	97	8.802	8.813	-0.011	86	3993	0.9381	
77 Tetrachloroethene	164	8.932	8.932	0.0	85	4998	0.8763	
76 1,3-Dichloropropane	76	8.944	8.955	-0.011	87	7389	0.9709	
78 2-Hexanone	43	9.026	9.014	0.012	85	6470	1.95	
79 Chlorodibromomethane	129	9.145	9.145	0.0	43	2731	3.91	
123 Ethylene Dibromide	107	9.251	9.251	0.0	62	3642	0.8873	
82 Chlorobenzene	112	9.665	9.665	0.0	86	17859	1.04	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	61	3649	0.6621	
84 Ethylbenzene	106	9.748	9.760	-0.012	97	8296	0.8941	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	96	11656	1.02	
85 o-Xylene	106	10.186	10.186	0.0	92	10585	0.9778	
86 Styrene	104	10.198	10.198	0.0	84	13609	0.8172	
87 Bromoform	173	10.364	10.363	0.001	40	1033	3.32	
88 Isopropylbenzene	105	10.494	10.494	0.0	91	24447	0.8554	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	70	3757	0.8422	
91 Bromobenzene	156	10.766	10.766	0.0	83	6712	0.99	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.789	0.001	31	1361	0.9421	
92 1,2,3-Trichloropropane	110	10.790	10.789	0.001	62	1715	1.13	
94 N-Propylbenzene	120	10.849	10.849	0.0	94	6651	0.8265	
95 2-Chlorotoluene	126	10.920	10.920	0.0	93	6471	0.9373	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	89	18793	0.8153	
104 4-Chlorotoluene	126	11.014	11.014	0.0	94	6526	0.9278	
97 tert-Butylbenzene	119	11.263	11.275	-0.012	84	17886	0.8241	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	72	19626	0.8384	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	81	23052	0.7714	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	84	14442	1.08	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	52	20874	0.8134	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	65	15539	1.15	
105 n-Butylbenzene	91	11.914	11.914	0.0	92	18916	0.8532	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	87	13103	1.07	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	1	530	0.6151	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	85	9471	1.23	
110 Hexachlorobutadiene	225	13.405	13.404	0.001	76	3896	1.00	
111 Naphthalene	128	13.476	13.475	0.001	92	19876	1.32	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	86	8317	-0.1018	
S 137 Trihalomethanes, Total	1				0		9.60	
S 11 1,2-Dichloroethene, Total	96				0		1.81	
S 9 1,3-Dichloropropene, Total	75				0		2.98	
S 114 Xylenes, Total	106				0		2.00	

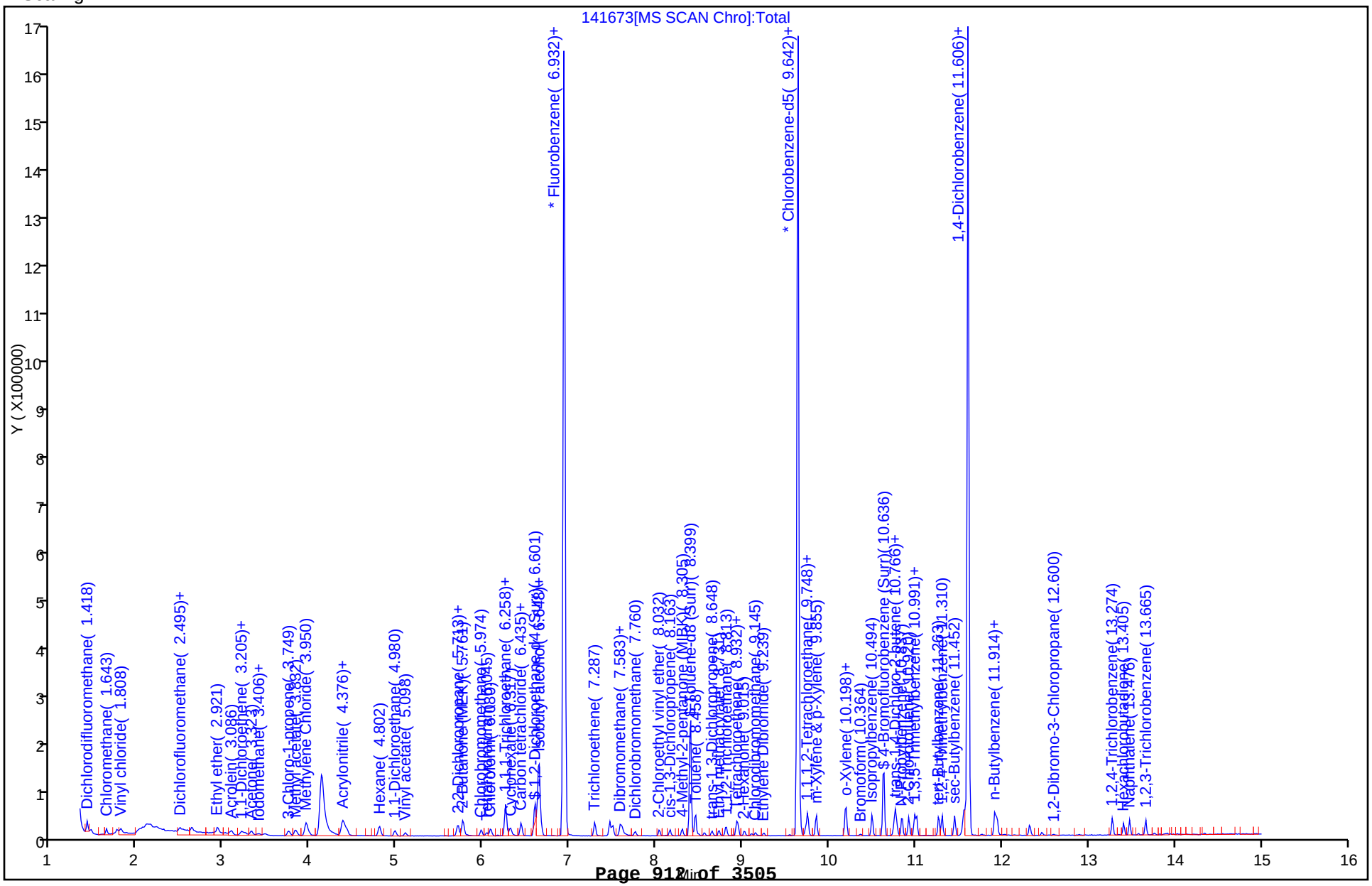
Report Date: 03-Apr-2013 12:44:55 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141673.D

Injection Date:	01-Apr-2013 16:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	11
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-80277/14 Calibration Date: 04/02/2013 17:28

Instrument ID: A3UX10 Calib Start Date: 04/02/2013 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/02/2013 14:56

Lab File ID: UXX3082.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2171	0.2052	0.1000	0.00945	0.0100	-5.5	20.0
Chloromethane	Ave	0.5772	0.5385	0.1000	0.00933	0.0100	-6.7	20.0
Vinyl chloride	Ave	0.3881	0.3728	0.1000	0.00961	0.0100	-3.9	20.0
Bromomethane	Ave	0.1448	0.1243	0.0500	0.00859	0.0100	-14.1	20.0
Chloroethane	Ave	0.2158	0.2028	0.0500	0.00939	0.0100	-6.1	20.0
Trichlorofluoromethane	Ave	0.2773	0.2741	0.1000	0.00988	0.0100	-1.2	20.0
Acrolein	Ave	0.0374	0.0404		0.0324	0.0300	8.1	20.0
1,1-Dichloroethene	Ave	0.2597	0.2475	0.1000	0.00953	0.0100	-4.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1943	0.1966	0.0500	0.0101	0.0100	1.1	20.0
Acetone	Ave	0.0707	0.0627	0.0500	0.0178	0.0200	-11.2	20.0
Iodomethane	Ave	0.4108	0.3788		0.00922	0.0100	-7.8	20.0
Carbon disulfide	Ave	0.8761	0.7972	0.1000	0.00910	0.0100	-9.0	20.0
Acetonitrile	Ave	0.0192	0.0182		0.0285	0.0300	-5.0	20.0
Methyl acetate	Ave	0.2176	0.2355	0.1000	0.0108	0.0100	8.2	20.0
Methylene Chloride	Lin1		0.3228	0.1000	0.0103	0.0100	2.7	20.0
2-Methyl-2-propanol	Ave	0.0097	0.0084		0.171	0.200	-14.3	20.0
Acrylonitrile	Ave	0.1050	0.0975		0.0279	0.0300	-7.1	20.0
Methyl tert-butyl ether	Ave	0.6267	0.6167	0.1000	0.00984	0.0100	-1.6	20.0
trans-1,2-Dichloroethene	Ave	0.3058	0.2918	0.1000	0.00954	0.0100	-4.6	20.0
1,1-Dichloroethane	Ave	0.5745	0.5731	0.1000	0.00997	0.0100	-0.3	20.0
Vinyl acetate	Ave	0.0480	0.0381		0.00793	0.0100	-20.7*	20.0
2-Butanone (MEK)	Ave	0.1169	0.1025	0.0500	0.0175	0.0200	-12.3	20.0
cis-1,2-Dichloroethene	Ave	0.3140	0.3021	0.1000	0.00962	0.0100	-3.8	20.0
2,2-Dichloropropane	Ave	0.2701	0.2494		0.00924	0.0100	-7.6	20.0
Bromochloromethane	Ave	0.1405	0.1328		0.00945	0.0100	-5.5	20.0
Chloroform	Ave	0.4662	0.4525	0.2000	0.00970	0.0100	-3.0	20.0
1,1,1-Trichloroethane	Ave	0.3650	0.3392	0.1000	0.00929	0.0100	-7.1	20.0
Cyclohexane	Ave	0.6299	0.5825	0.1000	0.00925	0.0100	-7.5	20.0
1,1-Dichloropropene	Ave	0.3604	0.3583		0.00994	0.0100	-0.6	20.0
Carbon tetrachloride	Ave	0.2938	0.2690	0.1000	0.00916	0.0100	-8.4	20.0
1,2-Dichloroethane	Ave	0.3868	0.3891	0.1000	0.0101	0.0100	0.6	20.0
Benzene	Ave	1.150	1.133	0.5000	0.00986	0.0100	-1.4	20.0
Trichloroethene	Ave	0.2846	0.2686	0.2000	0.00944	0.0100	-5.6	20.0
1,2-Dichloropropane	Ave	0.2994	0.2949	0.1000	0.00985	0.0100	-1.5	20.0
Methylcyclohexane	Ave	0.4057	0.3786	0.1000	0.00933	0.0100	-6.7	20.0
Dibromomethane	Ave	0.1398	0.1388		0.00993	0.0100	-0.7	20.0
Bromodichloromethane	Ave	0.2938	0.2867	0.1000	0.00976	0.0100	-2.4	20.0
cis-1,3-Dichloropropene	Lin1		0.3043	0.1500	0.00844	0.0100	-15.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2391	0.2465	0.0500	0.0206	0.0200	3.1	20.0
Toluene	Ave	1.749	1.696	0.4000	0.00969	0.0100	-3.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-80277/14 Calibration Date: 04/02/2013 17:28

Instrument ID: A3UX10 Calib Start Date: 04/02/2013 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/02/2013 14:56

Lab File ID: UXX3082.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Lin1		0.3966	0.1000	0.00886	0.0100	-11.4	20.0
1,1,2-Trichloroethane	Ave	0.3124	0.3089	0.1000	0.00989	0.0100	-1.1	20.0
1,3-Dichloropropane	Ave	0.5471	0.5513		0.0101	0.0100	0.8	20.0
Tetrachloroethene	Ave	0.3258	0.3149	0.2000	0.00967	0.0100	-3.3	20.0
2-Hexanone	Ave	0.2436	0.2490	0.0500	0.0204	0.0200	2.2	20.0
Dibromochloromethane	Ave	0.2849	0.2680		0.00941	0.0100	-5.9	20.0
1,2-Dibromoethane	Ave	0.2924	0.2851		0.00975	0.0100	-2.5	20.0
Chlorobenzene	Ave	1.093	1.051	0.3000	0.00962	0.0100	-3.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3466	0.3234		0.00933	0.0100	-6.7	20.0
Ethylbenzene	Ave	0.5830	0.5628		0.00965	0.0100	-3.5	20.0
m-Xylene & p-Xylene	Ave	0.7320	0.7313		0.0200	0.0200	-0.1	20.0
o-Xylene	Ave	0.6996	0.7099		0.0101	0.0100	1.5	20.0
Styrene	Ave	1.140	1.198	0.3000	0.0105	0.0100	5.1	20.0
Bromoform	Ave	0.1702	0.1571	0.1000	0.00923	0.0100	-7.7	20.0
Isopropylbenzene	Ave	1.699	1.650	0.1000	0.00972	0.0100	-2.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7007	0.6674	0.3000	0.00952	0.0100	-4.8	20.0
Bromobenzene	Ave	0.8236	0.8056		0.00978	0.0100	-2.2	20.0
1,2,3-Trichloropropane	Ave	0.2211	0.2220		0.0100	0.0100	0.4	20.0
N-Propylbenzene	Ave	0.8374	0.8654		0.0103	0.0100	3.4	20.0
2-Chlorotoluene	Ave	0.7769	0.7570		0.00974	0.0100	-2.6	20.0
1,3,5-Trimethylbenzene	Ave	2.398	2.351		0.00980	0.0100	-2.0	20.0
4-Chlorotoluene	Ave	0.8312	0.8265		0.00994	0.0100	-0.6	20.0
tert-Butylbenzene	Ave	2.160	2.141		0.00991	0.0100	-0.9	20.0
1,2,4-Trimethylbenzene	Ave	2.452	2.484		0.0101	0.0100	1.3	20.0
sec-Butylbenzene	Ave	2.702	2.568		0.00950	0.0100	-5.0	20.0
1,3-Dichlorobenzene	Ave	1.535	1.447	0.6000	0.00943	0.0100	-5.7	20.0
4-Isopropyltoluene	Ave	2.207	2.250		0.0102	0.0100	2.0	20.0
1,4-Dichlorobenzene	Ave	1.611	1.496	0.5000	0.00929	0.0100	-7.1	20.0
n-Butylbenzene	Ave	1.866	1.764		0.00945	0.0100	-5.5	20.0
1,2-Dichlorobenzene	Ave	1.411	1.363	0.4000	0.00966	0.0100	-3.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0834	0.0776	0.0500	0.00930	0.0100	-7.0	20.0
1,2,4-Trichlorobenzene	Ave	0.6150	0.4431	0.2000	0.00721	0.0100	-27.9*	20.0
Hexachlorobutadiene	Lin		0.1813		0.00607	0.0100	-39.3*	20.0
Naphthalene	Ave	1.532	0.9291		0.00607	0.0100	-39.3*	20.0
1,2,3-Trichlorobenzene	Ave	0.5959	0.3492		0.00586	0.0100	-41.4*	20.0
Dibromofluoromethane (Surr)	Ave	0.2306	0.2085		0.00904	0.0100	-9.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3025	0.2946		0.00974	0.0100	-2.6	20.0
Toluene-d8 (Surr)	Ave	1.392	1.333		0.00958	0.0100	-4.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5249	0.5161		0.00983	0.0100	-1.7	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3082.D
Lims ID: ICV Client ID:
Inject. Date: 02-Apr-2013 17:28:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018471-014
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 80277 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130402-18471.b\8260_10.m
Last Update: 03-Apr-2013 11:29:11 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: quayler Date: 03-Apr-2013 08:48:03

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.197	5.209	-0.012	99	1993798	10.0	
* 2 Chlorobenzene-d5	117	7.872	7.871	0.001	88	1310576	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.120	10.119	0.001	92	752623	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.629	4.631	-0.002	58	415657	9.04	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.913	4.915	-0.002	0	587347	9.74	
$ 7 Toluene-d8 (Surr)	98	6.558	6.560	-0.002	90	1747408	9.58	
$ 8 4-Bromofluorobenzene (Surr)	95	8.984	8.986	-0.002	86	676384	9.83	
12 Dichlorodifluoromethane	85	1.553	1.555	-0.002	98	409121	9.45	
13 Chloromethane	50	1.695	1.697	-0.002	99	1073589	9.33	
14 Vinyl chloride	62	1.790	1.792	-0.002	82	743270	9.61	
16 Bromomethane	94	2.085	2.076	0.009	88	247916	8.59	
17 Chloroethane	64	2.168	2.158	0.010	98	404251	9.39	
19 Trichlorofluoromethane	101	2.381	2.383	-0.002	98	546399	9.88	
20 Ethyl ether	59	2.594	2.605	-0.011	97	534787	10.4	
21 Acrolein	56	2.701	2.703	-0.002	91	241786	32.4	
23 1,1-Dichloroethene	96	2.807	2.809	-0.002	95	493522	9.53	
24 Acetone	43	2.819	2.821	-0.002	95	250062	17.8	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.819	2.821	-0.002	89	391893	10.1	
26 Iodomethane	142	2.937	2.939	-0.002	97	755208	9.22	
27 Carbon disulfide	76	3.008	2.999	0.010	100	1589373	9.10	
28 Acetonitrile	41	3.044	3.046	-0.002	88	109022	28.5	
30 Methyl acetate	43	3.103	3.093	0.010	98	469431	10.8	
31 Methylene Chloride	84	3.198	3.188	0.010	92	643638	10.3	
32 2-Methyl-2-propanol	59	3.257	3.259	-0.002	92	333007	171.4	
33 Acrylonitrile	53	3.375	3.377	-0.002	99	583394	27.9	
35 Methyl tert-butyl ether	73	3.422	3.424	-0.002	88	1229602	9.84	
34 trans-1,2-Dichloroethene	96	3.422	3.424	-0.002	88	581686	9.54	
36 Hexane	86	3.659	3.661	-0.002	95	120995	10.1	
37 1,1-Dichloroethane	63	3.766	3.768	-0.002	96	1142623	9.97	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Vinyl acetate	86	3.801	3.791	0.010	95	75955	7.93	
39 Isopropyl ether	87	3.825	3.824	0.001	98	474773	9.95	
42 2-Butanone (MEK)	43	4.239	4.241	-0.002	49	408549	17.5	
43 cis-1,2-Dichloroethene	96	4.239	4.241	-0.002	86	602400	9.62	
44 2,2-Dichloropropane	77	4.251	4.253	-0.002	71	497297	9.24	
48 Chlorobromomethane	128	4.440	4.442	-0.002	91	264751	9.45	
49 Tetrahydrofuran	42	4.487	4.489	-0.002	85	144145	9.19	
50 Chloroform	83	4.499	4.489	0.010	96	902129	9.70	
51 1,1,1-Trichloroethane	97	4.677	4.679	-0.002	91	676338	9.29	
52 Cyclohexane	56	4.736	4.738	-0.002	93	1161426	9.25	
53 1,1-Dichloropropene	75	4.807	4.809	-0.002	93	714416	9.94	
54 Carbon tetrachloride	117	4.819	4.821	-0.002	88	536234	9.16	
55 Isobutyl alcohol	41	4.842	4.842	0.0	90	651510	578.0	
57 Benzene	78	4.984	4.975	0.009	97	2259598	9.86	
56 1,2-Dichloroethane	62	4.973	4.975	-0.002	54	775767	10.1	
61 Trichloroethene	130	5.517	5.507	0.010	98	535569	9.44	
64 1,2-Dichloropropane	63	5.694	5.696	-0.002	84	588009	9.85	
63 Methylcyclohexane	83	5.694	5.696	-0.002	93	754870	9.33	
66 Dibromomethane	93	5.801	5.803	-0.002	88	276828	9.93	
68 Dichlorobromomethane	83	5.919	5.921	-0.002	98	571627	9.76	
70 2-Chloroethyl vinyl ether	63	6.168	6.170	-0.002	91	258773	9.25	
71 cis-1,3-Dichloropropene	75	6.310	6.312	-0.002	89	606749	8.44	
72 4-Methyl-2-pentanone (MIBK)	43	6.440	6.442	-0.002	98	982798	20.6	
73 Toluene	91	6.629	6.619	0.010	98	2222358	9.69	
74 trans-1,3-Dichloropropene	75	6.795	6.797	-0.002	97	519741	8.86	
76 1,1,2-Trichloroethane	97	6.961	6.962	-0.002	93	404786	9.89	
77 1,3-Dichloropropane	76	7.114	7.116	-0.002	97	722487	10.1	
78 Tetrachloroethene	164	7.126	7.128	-0.002	96	412725	9.67	
79 2-Hexanone	43	7.185	7.175	0.010	100	652756	20.4	
81 Chlorodibromomethane	129	7.327	7.329	-0.002	90	351173	9.41	
83 Ethylene Dibromide	107	7.446	7.448	-0.002	96	373701	9.75	
85 Chlorobenzene	112	7.907	7.897	0.010	95	1377237	9.62	
86 1,1,1,2-Tetrachloroethane	131	7.966	7.968	-0.002	84	423772	9.33	
87 Ethylbenzene	106	8.002	8.004	-0.002	98	737636	9.65	
88 m-Xylene & p-Xylene	106	8.108	8.110	-0.002	100	1916716	20.0	
89 o-Xylene	106	8.487	8.489	-0.002	91	930396	10.1	
90 Styrene	104	8.499	8.501	-0.002	91	1570620	10.5	
91 Bromoform	173	8.676	8.678	-0.002	97	205847	9.23	
92 Isopropylbenzene	105	8.842	8.844	-0.002	96	2163079	9.72	
94 Cyclohexanone	55	8.925	8.924	0.001	91	211550	25.4	
95 1,1,2,2-Tetrachloroethane	83	9.102	9.104	-0.002	89	502271	9.52	
96 Bromobenzene	156	9.138	9.140	-0.002	95	606273	9.78	
97 1,2,3-Trichloropropane	110	9.150	9.152	-0.002	77	167085	10.0	
98 trans-1,4-Dichloro-2-butene	53	9.161	9.163	-0.002	77	265185	17.0	
99 N-Propylbenzene	120	9.244	9.234	0.010	97	651328	10.3	
100 2-Chlorotoluene	126	9.327	9.329	-0.002	96	569721	9.74	
101 1,3,5-Trimethylbenzene	105	9.410	9.412	-0.002	93	1769251	9.80	
102 4-Chlorotoluene	126	9.434	9.424	0.010	97	622066	9.94	
103 tert-Butylbenzene	119	9.729	9.731	-0.002	92	1611484	9.91	
104 1,2,4-Trimethylbenzene	105	9.777	9.779	-0.002	73	1869588	10.1	
105 sec-Butylbenzene	105	9.942	9.944	-0.002	94	1932709	9.50	
106 1,3-Dichlorobenzene	146	10.061	10.063	-0.002	89	1088850	9.43	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.084	10.086	-0.002	91	1693533	10.2	
108 1,4-Dichlorobenzene	146	10.144	10.146	-0.002	94	1126202	9.29	
109 1,2,3-Trimethylbenzene	105	10.191	10.190	0.001	96	1894820	10.0	
110 n-Butylbenzene	91	10.499	10.489	0.010	95	1327792	9.45	
111 1,2-Dichlorobenzene	146	10.510	10.512	-0.002	97	1025621	9.66	
112 1,2-Dibromo-3-Chloropropane	157	11.279	11.281	-0.002	69	58407	9.30	
114 1,2,4-Trichlorobenzene	180	12.120	12.122	-0.002	95	333503	7.21	
115 Hexachlorobutadiene	225	12.297	12.299	-0.002	95	136470	6.07	
116 Naphthalene	128	12.368	12.370	-0.002	99	699293	6.07	
117 1,2,3-Trichlorobenzene	180	12.617	12.619	-0.002	98	262813	5.86	
S 119 Trihalomethanes, Total	1				0		38.1	
S 120 1,2-Dichloroethene, Total	96				0		19.2	
S 122 Xylenes, Total	106				0		30.1	

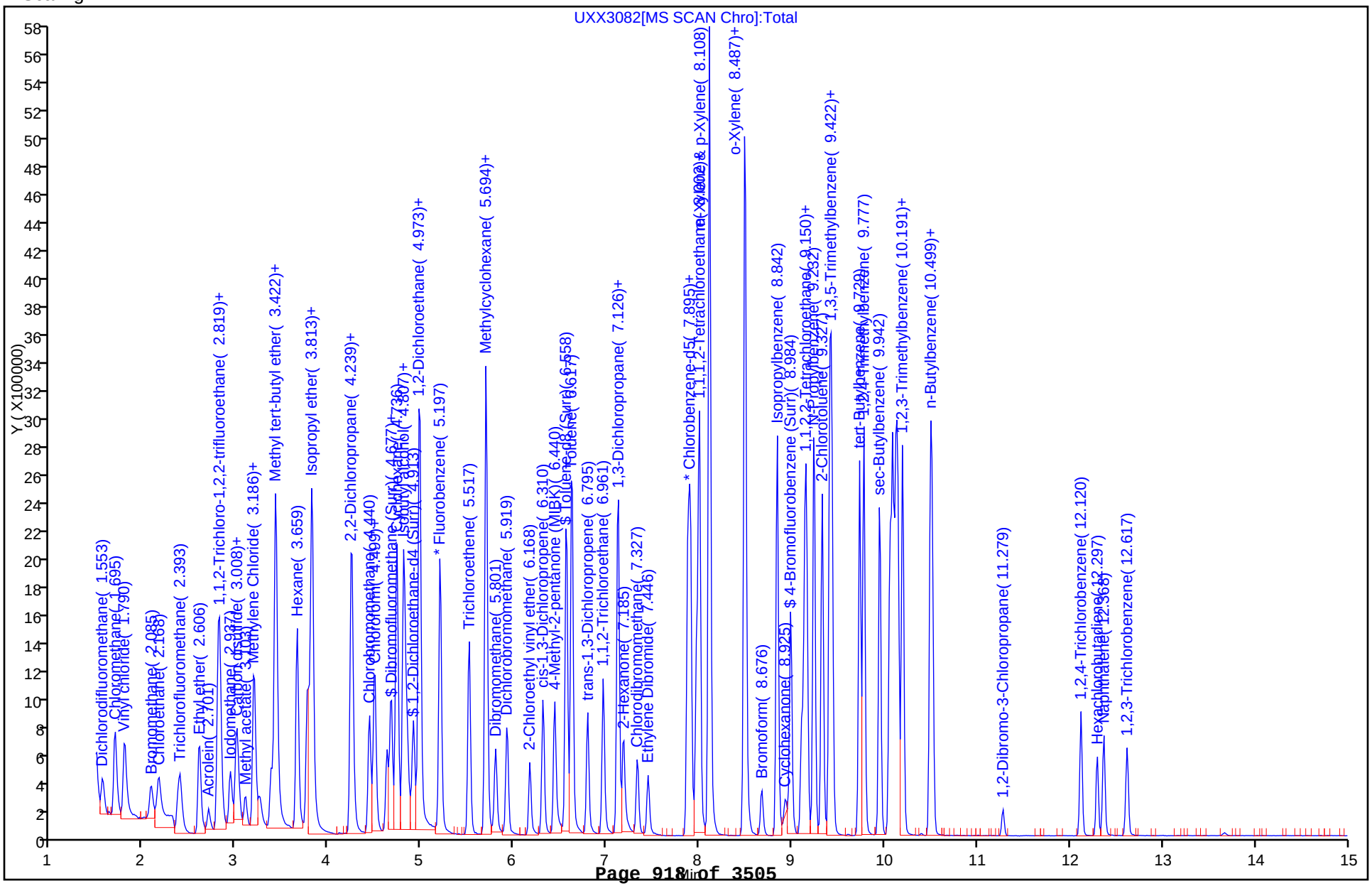
Report Date: 03-Apr-2013 11:29:12 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3082.D

Injection Date:	02-Apr-2013 17:28:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	80277	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-80277/14 Calibration Date: 04/02/2013 17:28

Instrument ID: A3UX10 Calib Start Date: 04/02/2013 15:18

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/02/2013 17:07

Lab File ID: UXX3082.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isobutyl alcohol	Qua		0.0099		0.578	0.500	15.6	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3082.D
Lims ID: ICV Client ID:
Inject. Date: 02-Apr-2013 17:28:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0018471-014
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 80277 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130402-18471.b\8260_10.m
Last Update: 03-Apr-2013 11:29:11 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: quayler Date: 03-Apr-2013 08:48:03

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.197	5.209	-0.012	99	1993798	10.0	
* 2 Chlorobenzene-d5	117	7.872	7.871	0.001	88	1310576	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.120	10.119	0.001	92	752623	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.629	4.631	-0.002	58	415657	9.04	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.913	4.915	-0.002	0	587347	9.74	
$ 7 Toluene-d8 (Surr)	98	6.558	6.560	-0.002	90	1747408	9.58	
$ 8 4-Bromofluorobenzene (Surr)	95	8.984	8.986	-0.002	86	676384	9.83	
12 Dichlorodifluoromethane	85	1.553	1.555	-0.002	98	409121	9.45	
13 Chloromethane	50	1.695	1.697	-0.002	99	1073589	9.33	
14 Vinyl chloride	62	1.790	1.792	-0.002	82	743270	9.61	
16 Bromomethane	94	2.085	2.076	0.009	88	247916	8.59	
17 Chloroethane	64	2.168	2.158	0.010	98	404251	9.39	
19 Trichlorofluoromethane	101	2.381	2.383	-0.002	98	546399	9.88	
20 Ethyl ether	59	2.594	2.605	-0.011	97	534787	10.4	
21 Acrolein	56	2.701	2.703	-0.002	91	241786	32.4	
23 1,1-Dichloroethene	96	2.807	2.809	-0.002	95	493522	9.53	
24 Acetone	43	2.819	2.821	-0.002	95	250062	17.8	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.819	2.821	-0.002	89	391893	10.1	
26 Iodomethane	142	2.937	2.939	-0.002	97	755208	9.22	
27 Carbon disulfide	76	3.008	2.999	0.010	100	1589373	9.10	
28 Acetonitrile	41	3.044	3.046	-0.002	88	109022	28.5	
30 Methyl acetate	43	3.103	3.093	0.010	98	469431	10.8	
31 Methylene Chloride	84	3.198	3.188	0.010	92	643638	10.3	
32 2-Methyl-2-propanol	59	3.257	3.259	-0.002	92	333007	171.4	
33 Acrylonitrile	53	3.375	3.377	-0.002	99	583394	27.9	
35 Methyl tert-butyl ether	73	3.422	3.424	-0.002	88	1229602	9.84	
34 trans-1,2-Dichloroethene	96	3.422	3.424	-0.002	88	581686	9.54	
36 Hexane	86	3.659	3.661	-0.002	95	120995	10.1	
37 1,1-Dichloroethane	63	3.766	3.768	-0.002	96	1142623	9.97	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Vinyl acetate	86	3.801	3.791	0.010	95	75955	7.93	
39 Isopropyl ether	87	3.825	3.824	0.001	98	474773	9.95	
42 2-Butanone (MEK)	43	4.239	4.241	-0.002	49	408549	17.5	
43 cis-1,2-Dichloroethene	96	4.239	4.241	-0.002	86	602400	9.62	
44 2,2-Dichloropropane	77	4.251	4.253	-0.002	71	497297	9.24	
48 Chlorobromomethane	128	4.440	4.442	-0.002	91	264751	9.45	
49 Tetrahydrofuran	42	4.487	4.489	-0.002	85	144145	9.19	
50 Chloroform	83	4.499	4.489	0.010	96	902129	9.70	
51 1,1,1-Trichloroethane	97	4.677	4.679	-0.002	91	676338	9.29	
52 Cyclohexane	56	4.736	4.738	-0.002	93	1161426	9.25	
53 1,1-Dichloropropene	75	4.807	4.809	-0.002	93	714416	9.94	
54 Carbon tetrachloride	117	4.819	4.821	-0.002	88	536234	9.16	
55 Isobutyl alcohol	41	4.842	4.842	0.0	90	651510	578.0	
57 Benzene	78	4.984	4.975	0.009	97	2259598	9.86	
56 1,2-Dichloroethane	62	4.973	4.975	-0.002	54	775767	10.1	
61 Trichloroethene	130	5.517	5.507	0.010	98	535569	9.44	
64 1,2-Dichloropropane	63	5.694	5.696	-0.002	84	588009	9.85	
63 Methylcyclohexane	83	5.694	5.696	-0.002	93	754870	9.33	
66 Dibromomethane	93	5.801	5.803	-0.002	88	276828	9.93	
68 Dichlorobromomethane	83	5.919	5.921	-0.002	98	571627	9.76	
70 2-Chloroethyl vinyl ether	63	6.168	6.170	-0.002	91	258773	9.25	
71 cis-1,3-Dichloropropene	75	6.310	6.312	-0.002	89	606749	8.44	
72 4-Methyl-2-pentanone (MIBK)	43	6.440	6.442	-0.002	98	982798	20.6	
73 Toluene	91	6.629	6.619	0.010	98	2222358	9.69	
74 trans-1,3-Dichloropropene	75	6.795	6.797	-0.002	97	519741	8.86	
76 1,1,2-Trichloroethane	97	6.961	6.962	-0.002	93	404786	9.89	
77 1,3-Dichloropropane	76	7.114	7.116	-0.002	97	722487	10.1	
78 Tetrachloroethene	164	7.126	7.128	-0.002	96	412725	9.67	
79 2-Hexanone	43	7.185	7.175	0.010	100	652756	20.4	
81 Chlorodibromomethane	129	7.327	7.329	-0.002	90	351173	9.41	
83 Ethylene Dibromide	107	7.446	7.448	-0.002	96	373701	9.75	
85 Chlorobenzene	112	7.907	7.897	0.010	95	1377237	9.62	
86 1,1,1,2-Tetrachloroethane	131	7.966	7.968	-0.002	84	423772	9.33	
87 Ethylbenzene	106	8.002	8.004	-0.002	98	737636	9.65	
88 m-Xylene & p-Xylene	106	8.108	8.110	-0.002	100	1916716	20.0	
89 o-Xylene	106	8.487	8.489	-0.002	91	930396	10.1	
90 Styrene	104	8.499	8.501	-0.002	91	1570620	10.5	
91 Bromoform	173	8.676	8.678	-0.002	97	205847	9.23	
92 Isopropylbenzene	105	8.842	8.844	-0.002	96	2163079	9.72	
94 Cyclohexanone	55	8.925	8.924	0.001	91	211550	25.4	
95 1,1,2,2-Tetrachloroethane	83	9.102	9.104	-0.002	89	502271	9.52	
96 Bromobenzene	156	9.138	9.140	-0.002	95	606273	9.78	
97 1,2,3-Trichloropropane	110	9.150	9.152	-0.002	77	167085	10.0	
98 trans-1,4-Dichloro-2-butene	53	9.161	9.163	-0.002	77	265185	17.0	
99 N-Propylbenzene	120	9.244	9.234	0.010	97	651328	10.3	
100 2-Chlorotoluene	126	9.327	9.329	-0.002	96	569721	9.74	
101 1,3,5-Trimethylbenzene	105	9.410	9.412	-0.002	93	1769251	9.80	
102 4-Chlorotoluene	126	9.434	9.424	0.010	97	622066	9.94	
103 tert-Butylbenzene	119	9.729	9.731	-0.002	92	1611484	9.91	
104 1,2,4-Trimethylbenzene	105	9.777	9.779	-0.002	73	1869588	10.1	
105 sec-Butylbenzene	105	9.942	9.944	-0.002	94	1932709	9.50	
106 1,3-Dichlorobenzene	146	10.061	10.063	-0.002	89	1088850	9.43	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.084	10.086	-0.002	91	1693533	10.2	
108 1,4-Dichlorobenzene	146	10.144	10.146	-0.002	94	1126202	9.29	
109 1,2,3-Trimethylbenzene	105	10.191	10.190	0.001	96	1894820	10.0	
110 n-Butylbenzene	91	10.499	10.489	0.010	95	1327792	9.45	
111 1,2-Dichlorobenzene	146	10.510	10.512	-0.002	97	1025621	9.66	
112 1,2-Dibromo-3-Chloropropane	157	11.279	11.281	-0.002	69	58407	9.30	
114 1,2,4-Trichlorobenzene	180	12.120	12.122	-0.002	95	333503	7.21	
115 Hexachlorobutadiene	225	12.297	12.299	-0.002	95	136470	6.07	
116 Naphthalene	128	12.368	12.370	-0.002	99	699293	6.07	
117 1,2,3-Trichlorobenzene	180	12.617	12.619	-0.002	98	262813	5.86	
S 119 Trihalomethanes, Total	1				0		38.1	
S 120 1,2-Dichloroethene, Total	96				0		19.2	
S 122 Xylenes, Total	106				0		30.1	

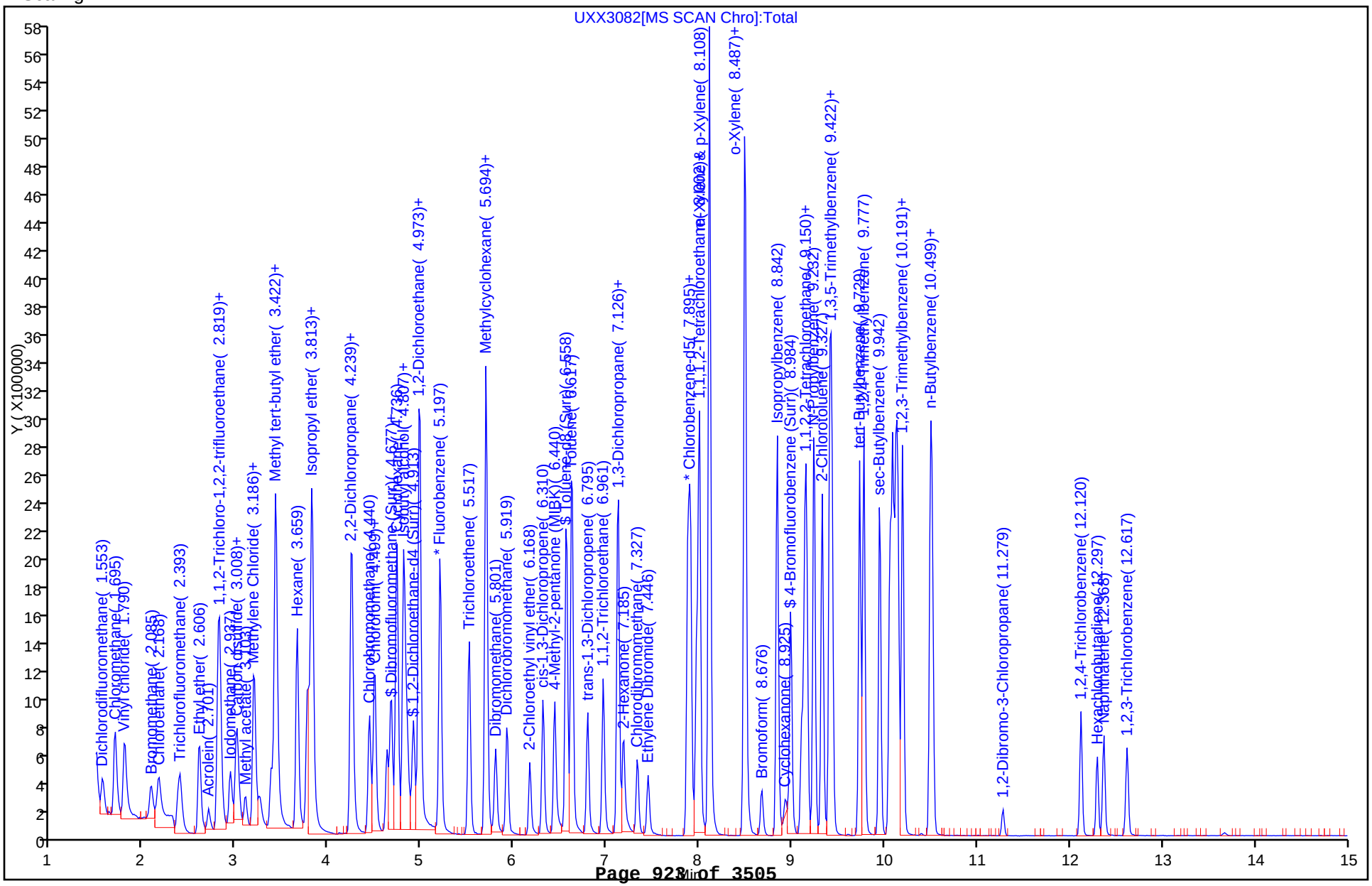
Report Date: 03-Apr-2013 11:29:12 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3082.D

Injection Date:	02-Apr-2013 17:28:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	80277	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-81013/2 Calibration Date: 04/08/2013 12:07

Instrument ID: A3UX10 Calib Start Date: 04/02/2013 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/02/2013 14:56

Lab File ID: UXR3280.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2171	0.2639	0.1000	0.0122	0.0100	21.5*	20.0
Chloromethane	Ave	0.5772	0.6176	0.1000	0.0107	0.0100	7.0	20.0
Vinyl chloride	Ave	0.3881	0.3839	0.1000	0.00989	0.0100	-1.1	20.0
Bromomethane	Ave	0.1448	0.1206	0.0500	0.00833	0.0100	-16.7	20.0
Chloroethane	Ave	0.2158	0.1895	0.0500	0.00878	0.0100	-12.2	20.0
Trichlorofluoromethane	Ave	0.2773	0.2765	0.1000	0.00997	0.0100	-0.3	20.0
Acrolein	Ave	0.0374	0.0389		0.104	0.100	3.9	20.0
1,1-Dichloroethene	Ave	0.2597	0.2473	0.1000	0.00952	0.0100	-4.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1943	0.1995	0.0500	0.0103	0.0100	2.7	20.0
Acetone	Ave	0.0707	0.0625	0.0500	0.0177	0.0200	-11.5	20.0
Iodomethane	Ave	0.4108	0.4051		0.00986	0.0100	-1.4	20.0
Carbon disulfide	Ave	0.8761	0.8760	0.1000	0.0100	0.0100	-0.0	20.0
Acetonitrile	Ave	0.0192	0.0156		0.0812	0.100	-18.8	20.0
Methyl acetate	Ave	0.2176	0.2360	0.1000	0.0217	0.0200	8.4	20.0
Methylene Chloride	Lin1		0.3130	0.1000	0.00994	0.0100	-0.6	20.0
2-Methyl-2-propanol	Ave	0.0097	0.0087		0.178	0.200	-11.0	20.0
Acrylonitrile	Ave	0.1050	0.1182		0.0225	0.0200	12.6	20.0
Methyl tert-butyl ether	Ave	0.6267	0.6790	0.1000	0.0108	0.0100	8.3	20.0
trans-1,2-Dichloroethene	Ave	0.3058	0.3036	0.1000	0.00993	0.0100	-0.7	20.0
1,1-Dichloroethane	Ave	0.5745	0.5589	0.1000	0.00973	0.0100	-2.7	20.0
Vinyl acetate	Ave	0.0480	0.0500		0.0104	0.0100	4.0	20.0
2-Butanone (MEK)	Ave	0.1169	0.1147	0.0500	0.0196	0.0200	-1.8	20.0
cis-1,2-Dichloroethene	Ave	0.3140	0.3180	0.1000	0.0101	0.0100	1.3	20.0
2,2-Dichloropropane	Ave	0.2701	0.2907		0.0108	0.0100	7.6	20.0
Bromochloromethane	Ave	0.1405	0.1465		0.0104	0.0100	4.3	20.0
Chloroform	Ave	0.4662	0.4705	0.2000	0.0101	0.0100	0.9	20.0
1,1,1-Trichloroethane	Ave	0.3650	0.3704	0.1000	0.0101	0.0100	1.5	20.0
Cyclohexane	Ave	0.6299	0.6344	0.1000	0.0101	0.0100	0.7	20.0
1,1-Dichloropropene	Ave	0.3604	0.3717		0.0103	0.0100	3.1	20.0
Carbon tetrachloride	Ave	0.2938	0.3057	0.1000	0.0104	0.0100	4.0	20.0
1,2-Dichloroethane	Ave	0.3868	0.3874	0.1000	0.0100	0.0100	0.2	20.0
Benzene	Ave	1.150	1.147	0.5000	0.00998	0.0100	-0.2	20.0
Trichloroethene	Ave	0.2846	0.2819	0.2000	0.00991	0.0100	-0.9	20.0
1,2-Dichloropropane	Ave	0.2994	0.2927	0.1000	0.00978	0.0100	-2.2	20.0
Methylcyclohexane	Ave	0.4057	0.4167	0.1000	0.0103	0.0100	2.7	20.0
Dibromomethane	Ave	0.1398	0.1420		0.0102	0.0100	1.6	20.0
Bromodichloromethane	Ave	0.2938	0.3062	0.1000	0.0104	0.0100	4.2	20.0
cis-1,3-Dichloropropene	Lin1		0.3436	0.1500	0.00947	0.0100	-5.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2391	0.2542	0.0500	0.0213	0.0200	6.3	20.0
Toluene	Ave	1.749	1.707	0.4000	0.00976	0.0100	-2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-81013/2 Calibration Date: 04/08/2013 12:07

Instrument ID: A3UX10 Calib Start Date: 04/02/2013 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/02/2013 14:56

Lab File ID: UXR3280.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Lin1		0.4142	0.1000	0.00923	0.0100	-7.7	20.0
1,1,2-Trichloroethane	Ave	0.3124	0.3186	0.1000	0.0102	0.0100	2.0	20.0
1,3-Dichloropropane	Ave	0.5471	0.5315		0.00971	0.0100	-2.9	20.0
Tetrachloroethene	Ave	0.3258	0.3150	0.2000	0.00967	0.0100	-3.3	20.0
2-Hexanone	Ave	0.2436	0.2397	0.0500	0.0197	0.0200	-1.6	20.0
Dibromochloromethane	Ave	0.2849	0.3065		0.0108	0.0100	7.6	20.0
1,2-Dibromoethane	Ave	0.2924	0.2967		0.0101	0.0100	1.5	20.0
Chlorobenzene	Ave	1.093	1.053	0.3000	0.00964	0.0100	-3.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3466	0.3556		0.0103	0.0100	2.6	20.0
Ethylbenzene	Ave	0.5830	0.5709		0.00979	0.0100	-2.1	20.0
m-Xylene & p-Xylene	Ave	0.7320	0.7346		0.0201	0.0200	0.4	20.0
o-Xylene	Ave	0.6996	0.6949		0.00993	0.0100	-0.7	20.0
Styrene	Ave	1.140	1.147	0.3000	0.0101	0.0100	0.6	20.0
Bromoform	Ave	0.1702	0.1828	0.1000	0.0107	0.0100	7.4	20.0
Isopropylbenzene	Ave	1.699	1.650	0.1000	0.00971	0.0100	-2.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7007	0.7563	0.3000	0.0108	0.0100	7.9	20.0
Bromobenzene	Ave	0.8236	0.8456		0.0103	0.0100	2.7	20.0
1,2,3-Trichloropropane	Ave	0.2211	0.2433		0.0110	0.0100	10.0	20.0
N-Propylbenzene	Ave	0.8374	0.8820		0.0105	0.0100	5.3	20.0
2-Chlorotoluene	Ave	0.7769	0.7771		0.0100	0.0100	0.0	20.0
1,3,5-Trimethylbenzene	Ave	2.398	2.528		0.0105	0.0100	5.4	20.0
4-Chlorotoluene	Ave	0.8312	0.8493		0.0102	0.0100	2.2	20.0
tert-Butylbenzene	Ave	2.160	2.238		0.0104	0.0100	3.6	20.0
1,2,4-Trimethylbenzene	Ave	2.452	2.517		0.0103	0.0100	2.6	20.0
sec-Butylbenzene	Ave	2.702	2.712		0.0100	0.0100	0.4	20.0
1,3-Dichlorobenzene	Ave	1.535	1.474	0.6000	0.00960	0.0100	-4.0	20.0
4-Isopropyltoluene	Ave	2.207	2.274		0.0103	0.0100	3.0	20.0
1,4-Dichlorobenzene	Ave	1.611	1.534	0.5000	0.00952	0.0100	-4.8	20.0
n-Butylbenzene	Ave	1.866	1.696		0.00909	0.0100	-9.1	20.0
1,2-Dichlorobenzene	Ave	1.411	1.359	0.4000	0.00963	0.0100	-3.7	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0834	0.0802	0.0500	0.00961	0.0100	-3.9	20.0
1,2,4-Trichlorobenzene	Ave	0.6150	0.4781	0.2000	0.00777	0.0100	-22.3*	20.0
Hexachlorobutadiene	Lin		0.2098		0.00717	0.0100	-28.3*	20.0
Naphthalene	Ave	1.532	0.8962		0.00585	0.0100	-41.5*	20.0
1,2,3-Trichlorobenzene	Ave	0.5959	0.3590		0.00602	0.0100	-39.8*	20.0
Dibromofluoromethane (Surr)	Ave	0.2306	0.2261		0.00980	0.0100	-2.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3025	0.2931		0.00969	0.0100	-3.1	20.0
Toluene-d8 (Surr)	Ave	1.392	1.299		0.00933	0.0100	-6.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5249	0.4903		0.00934	0.0100	-6.6	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3280.D
Lims ID: CCVIS L4 8260 Client ID:
Inject. Date: 08-Apr-2013 12:07:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0018651-002
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 81013 Lims Sample ID: 2
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130408-18651.b\8260_10.m
Last Update: 09-Apr-2013 08:43:28 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK021

First Level Reviewer: quayler Date: 08-Apr-2013 12:28:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.197	5.197	0.0	99	2015557	10.0	
* 2 Chlorobenzene-d5	117	7.871	7.871	0.0	88	1371090	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.120	10.120	0.0	87	724491	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.629	4.629	0.0	58	455723	9.80	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.913	4.913	0.0	0	590704	9.69	
$ 7 Toluene-d8 (Surr)	98	6.570	6.570	0.0	93	1781694	9.33	
$ 8 4-Bromofluorobenzene (Surr)	95	8.984	8.984	0.0	89	672171	9.34	
12 Dichlorodifluoromethane	85	1.553	1.553	0.0	98	531888	12.2	
13 Chloromethane	50	1.695	1.695	0.0	89	1244878	10.7	
14 Vinyl chloride	62	1.789	1.789	0.0	97	773740	9.89	
16 Bromomethane	94	2.085	2.085	0.0	89	243027	8.33	
17 Chloroethane	64	2.168	2.168	0.0	98	381858	8.78	
19 Trichlorofluoromethane	101	2.393	2.393	0.0	98	557383	9.97	
21 Acrolein	56	2.700	2.700	0.0	96	783486	103.9	
23 1,1-Dichloroethene	96	2.807	2.807	0.0	93	498404	9.52	
24 Acetone	43	2.819	2.819	0.0	53	252006	17.7	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.819	2.819	0.0	83	402116	10.3	
26 Iodomethane	142	2.937	2.937	0.0	95	816478	9.86	
27 Carbon disulfide	76	3.008	3.008	0.0	100	1765519	10.0	
28 Acetonitrile	41	3.044	3.044	0.0	94	313988	81.2	
30 Methyl acetate	43	3.103	3.103	0.0	97	951391	21.7	
31 Methylene Chloride	84	3.197	3.197	0.0	97	630782	9.94	
32 2-Methyl-2-propanol	59	3.257	3.257	0.0	93	349648	178.0	
33 Acrylonitrile	53	3.375	3.375	0.0	96	476510	22.5	
35 Methyl tert-butyl ether	73	3.422	3.422	0.0	89	1368519	10.8	
34 trans-1,2-Dichloroethene	96	3.422	3.422	0.0	77	611870	9.93	
36 Hexane	86	3.659	3.659	0.0	95	131781	10.9	
37 1,1-Dichloroethane	63	3.765	3.765	0.0	96	1126434	9.73	
38 Vinyl acetate	86	3.789	3.789	0.0	96	100679	10.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 cis-1,2-Dichloroethene	96	4.239	4.239	0.0	85	640938	10.1	
42 2-Butanone (MEK)	43	4.239	4.239	0.0	90	462515	19.6	
44 2,2-Dichloropropane	77	4.251	4.251	0.0	85	585869	10.8	
48 Chlorobromomethane	128	4.440	4.440	0.0	85	295176	10.4	
49 Tetrahydrofuran	42	4.487	4.487	0.0	93	146839	9.26	
50 Chloroform	83	4.499	4.499	0.0	96	948332	10.1	
51 1,1,1-Trichloroethane	97	4.677	4.677	0.0	93	746465	10.1	
52 Cyclohexane	56	4.736	4.736	0.0	93	1278590	10.1	
53 1,1-Dichloropropene	75	4.807	4.807	0.0	91	749242	10.3	
54 Carbon tetrachloride	117	4.819	4.819	0.0	90	616049	10.4	
56 1,2-Dichloroethane	62	4.972	4.972	0.0	55	780757	10.0	
57 Benzene	78	4.984	4.984	0.0	97	2311659	9.98	
61 Trichloroethene	130	5.517	5.517	0.0	97	568258	9.91	
64 1,2-Dichloropropane	63	5.694	5.694	0.0	86	589935	9.78	
63 Methylcyclohexane	83	5.694	5.694	0.0	92	839806	10.3	
67 1,4-Dioxane	88	5.801	5.801	0.0	39	101118	380.5	
66 Dibromomethane	93	5.801	5.801	0.0	87	286228	10.2	
68 Dichlorobromomethane	83	5.919	5.919	0.0	98	617224	10.4	
70 2-Chloroethyl vinyl ether	63	6.168	6.168	0.0	91	543164	18.1	
71 cis-1,3-Dichloropropene	75	6.309	6.309	0.0	89	692556	9.47	
72 4-Methyl-2-pentanone (MIBK)	43	6.440	6.440	0.0	98	1024732	21.3	
73 Toluene	91	6.629	6.629	0.0	98	2340058	9.76	
74 trans-1,3-Dichloropropene	75	6.795	6.795	0.0	96	567853	9.23	
75 Ethyl methacrylate	69	6.866	6.866	0.0	95	555335	9.30	
76 1,1,2-Trichloroethane	97	6.960	6.960	0.0	92	436760	10.2	
77 1,3-Dichloropropane	76	7.114	7.114	0.0	98	728721	9.71	
78 Tetrachloroethene	164	7.126	7.126	0.0	96	431833	9.67	
79 2-Hexanone	43	7.185	7.185	0.0	99	657328	19.7	
81 Chlorodibromomethane	129	7.327	7.327	0.0	88	420239	10.8	
83 Ethylene Dibromide	107	7.445	7.445	0.0	97	406817	10.1	
85 Chlorobenzene	112	7.907	7.907	0.0	94	1444147	9.64	
86 1,1,1,2-Tetrachloroethane	131	7.966	7.966	0.0	87	487492	10.3	
87 Ethylbenzene	106	8.002	8.002	0.0	98	782726	9.79	
88 m-Xylene & p-Xylene	106	8.108	8.108	0.0	99	2014262	20.1	
89 o-Xylene	106	8.487	8.487	0.0	90	952751	9.93	
90 Styrene	104	8.499	8.499	0.0	90	1572654	10.1	
91 Bromoform	173	8.676	8.676	0.0	96	250603	10.7	
92 Isopropylbenzene	105	8.842	8.842	0.0	95	2262519	9.71	
95 1,1,2,2-Tetrachloroethane	83	9.102	9.102	0.0	93	547944	10.8	
96 Bromobenzene	156	9.138	9.138	0.0	93	612654	10.3	
97 1,2,3-Trichloropropane	110	9.161	9.161	0.0	76	176230	11.0	
98 trans-1,4-Dichloro-2-butene	53	9.161	9.161	0.0	60	132045	9.42	
99 N-Propylbenzene	120	9.244	9.244	0.0	99	638989	10.5	
100 2-Chlorotoluene	126	9.327	9.327	0.0	97	562980	10.0	
101 1,3,5-Trimethylbenzene	105	9.410	9.410	0.0	93	1831186	10.5	
102 4-Chlorotoluene	126	9.433	9.433	0.0	98	615299	10.2	
103 tert-Butylbenzene	119	9.729	9.729	0.0	93	1621416	10.4	
104 1,2,4-Trimethylbenzene	105	9.777	9.777	0.0	73	1823397	10.3	
105 sec-Butylbenzene	105	9.942	9.942	0.0	94	1964687	10.0	
106 1,3-Dichlorobenzene	146	10.060	10.060	0.0	85	1067649	9.60	
107 4-Isopropyltoluene	119	10.084	10.084	0.0	97	1647439	10.3	
108 1,4-Dichlorobenzene	146	10.143	10.143	0.0	93	1111208	9.52	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.498	10.498	0.0	95	1228628	9.09	
111 1,2-Dichlorobenzene	146	10.510	10.510	0.0	97	984828	9.63	
112 1,2-Dibromo-3-Chloropropane	157	11.279	11.279	0.0	66	58069	9.61	
113 1,3,5-Trichlorobenzene	180	11.504	11.504	0.0	95	473931	8.53	
114 1,2,4-Trichlorobenzene	180	12.119	12.119	0.0	92	346369	7.77	
115 Hexachlorobutadiene	225	12.297	12.297	0.0	91	151972	7.17	
116 Naphthalene	128	12.368	12.368	0.0	100	649273	5.85	
117 1,2,3-Trichlorobenzene	180	12.616	12.616	0.0	97	260082	6.02	
S 119 Trihalomethanes, Total	1				0		42.0	
S 120 1,2-Dichloroethene, Total	96				0		20.1	
S 121 1,3-Dichloropropene, Total	75				0		18.7	
S 122 Xylenes, Total	106				0		30.0	

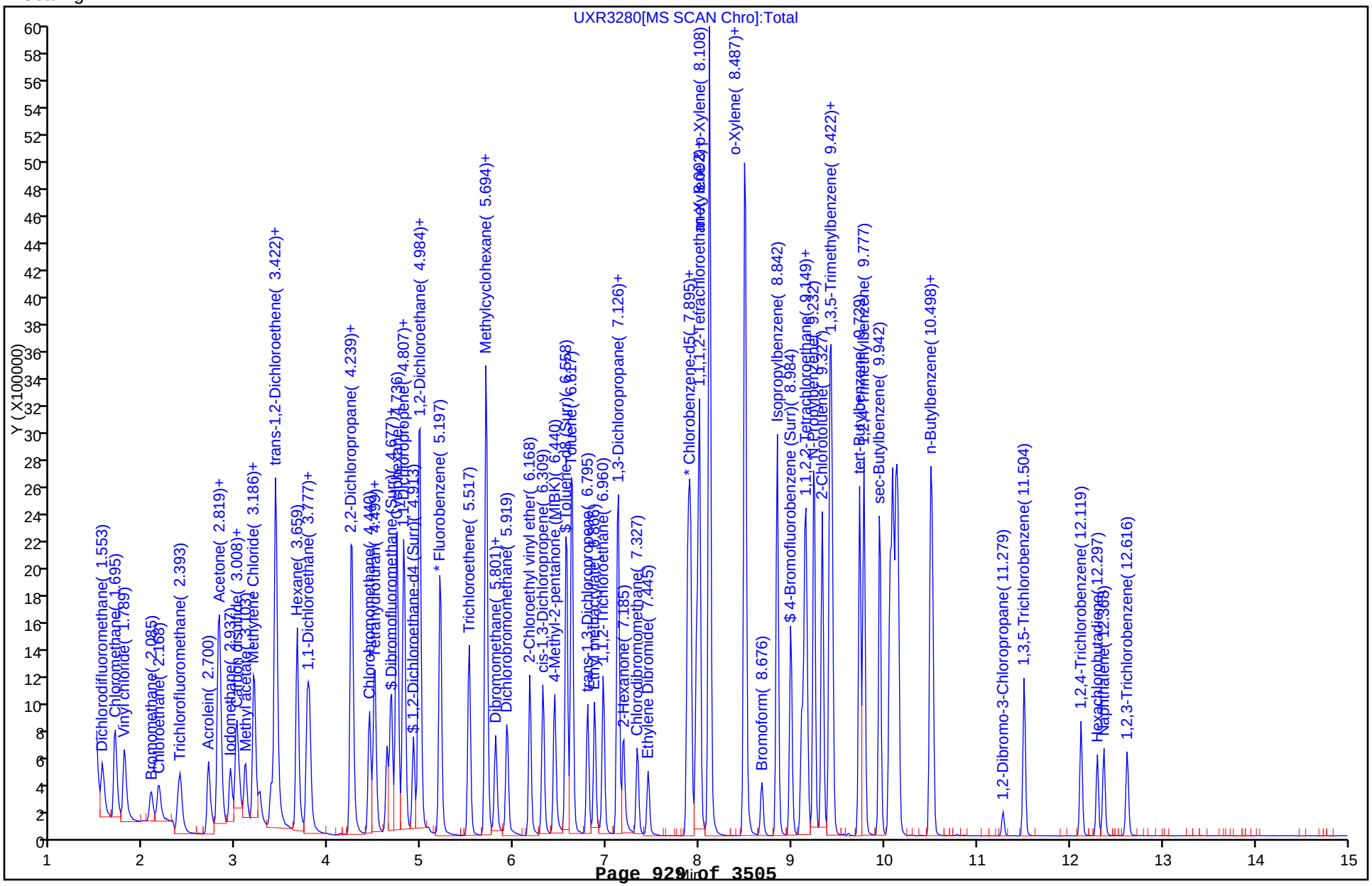
Report Date: 09-Apr-2013 08:43:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3280.D

Injection Date:	08-Apr-2013 12:07:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	2
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: LODV 240-81013/22 Calibration Date: 04/08/2013 19:19

Instrument ID: A3UX10 Calib Start Date: 04/02/2013 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/02/2013 14:56

Lab File ID: UXR3300.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetone	Ave	0.0707			0.00317	0.00500		
Dibromofluoromethane (Surr)	Ave	0.2306			0.00946	0.0100	95	85-115
1,2-Dichloroethane-d4 (Surr)	Ave	0.3025			0.00896	0.0100	90	70-120
Toluene-d8 (Surr)	Ave	1.392			0.00865	0.0100	86	85-120
4-Bromofluorobenzene (Surr)	Ave	0.5249			0.00848	0.0100	85	75-120

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3300.D
Lims ID: LODV Client ID:
Inject. Date: 08-Apr-2013 19:19:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0018651-022
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 21
Lims Batch ID: 81013 Lims Sample ID: 22
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130408-18651.b\8260_10.m
Last Update: 09-Apr-2013 08:43:29 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK021

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.200	5.200	0.0	99	1799091	10.0	
* 2 Chlorobenzene-d5	117	7.875	7.874	0.001	88	1234434	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.123	10.122	0.001	94	602927	10.0	
$ 4 BFB	95	3.414	3.709	-0.295	0	422	0	
$ 5 Dibromofluoromethane (Surr)	113	4.621	4.629	-0.008	65	392480	9.46	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.916	4.913	0.003	0	487525	8.96	
$ 7 Toluene-d8 (Surr)	98	6.561	6.570	-0.009	94	1486333	8.65	
$ 8 4-Bromofluorobenzene (Surr)	95	8.987	8.984	0.003	89	549395	8.48	
143 1,3-Diethylbenzene TIC	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
11 C6-C10	1		0.000					
12 Dichlorodifluoromethane	85	1.556	1.553	0.003	67	24299	0.6220	
13 Chloromethane	50	1.686	1.695	-0.009	96	65270	0.6286	
14 Vinyl chloride	62	1.793	1.789	0.004	87	38832	0.5562	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.077	2.085	-0.008	66	11239	0.4314	
17 Chloroethane	64	2.159	2.168	-0.009	67	22469	0.5786	
18 Dichlorofluoromethane	67		2.325					
19 Trichlorofluoromethane	101	2.384	2.393	-0.009	78	23401	0.4690	
20 Ethyl ether	59		2.597					
21 Acrolein	56	2.704	2.700	0.004	75	20290	3.01	
23 1,1-Dichloroethene	96	2.810	2.807	0.003	93	20934	0.4480	
24 Acetone	43	2.834	2.819	0.015	90	40236	3.17	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.822	2.819	0.003	48	10774	0.3081	
22 Methylal	45		2.851					
26 Iodomethane	142	2.940	2.937	0.003	85	35486	0.4801	
27 Carbon disulfide	76	3.000	3.008	-0.008	95	67744	0.4298	
28 Acetonitrile	41	3.047	3.044	0.003	78	14937	4.33	
29 3-Chloro-1-propene	76		3.094					9
30 Methyl acetate	43	3.106	3.103	0.003	89	55705	1.42	
31 Methylene Chloride	84	3.189	3.197	-0.008	95	144596	2.03	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.260	3.257	0.003	70	11113	6.34	
33 Acrylonitrile	53	3.390	3.375	0.015	70	13763	0.7286	
35 Methyl tert-butyl ether	73	3.426	3.422	0.004	85	54853	0.4865	
34 trans-1,2-Dichloroethene	96	3.426	3.422	0.004	76	25869	0.4702	
36 Hexane	86	3.650	3.659	-0.009	82	2797	0.2582	
37 1,1-Dichloroethane	63	3.769	3.765	0.004	79	50511	0.4887	
38 Vinyl acetate	86	3.792	3.789	0.003	89	2119	0.2452	
39 Isopropyl ether	87		3.816					
40 2-Chloro-1,3-butadiene	53		3.851					
41 Tert-butyl ethyl ether	59		4.111					
43 cis-1,2-Dichloroethene	96	4.242	4.239	0.003	84	26404	0.4675	
42 2-Butanone (MEK)	43	4.230	4.239	-0.009	95	72388	3.44	
44 2,2-Dichloropropane	77	4.254	4.251	0.003	62	23446	0.4826	
45 Propionitrile	54		4.277					
46 Ethyl acetate	43	4.230	4.289	-0.059	56	79159	1.88	
47 Methacrylonitrile	41		4.407					9
48 Chlorobromomethane	128	4.443	4.440	0.003	81	12267	0.4855	
49 Tetrahydrofuran	42	4.491	4.487	0.003	25	7980	0.5640	
50 Chloroform	83	4.491	4.499	-0.009	77	41167	0.4908	
51 1,1,1-Trichloroethane	97	4.668	4.677	-0.009	79	30088	0.4583	
52 Cyclohexane	56	4.739	4.736	0.003	87	35213	0.3107	
53 1,1-Dichloropropene	75	4.798	4.807	-0.009	81	29288	0.4517	
54 Carbon tetrachloride	117	4.810	4.819	-0.009	80	21317	0.4034	
55 Isobutyl alcohol	41		4.845					9
56 1,2-Dichloroethane	62	4.976	4.972	0.004	42	34821	0.5004	
57 Benzene	78	4.976	4.984	-0.008	94	102485	0.4955	
58 Tert-amyl methyl ether	73		5.058					9
59 n-Heptane	100		5.188					
60 n-Butanol	56		5.401					
61 Trichloroethene	130	5.520	5.517	0.003	76	24860	0.4855	
62 Ethyl acrylate	55		5.605					9
64 1,2-Dichloropropane	63	5.697	5.694	0.003	64	22377	0.4155	
63 Methylcyclohexane	83	5.697	5.694	0.003	69	20155	0.2761	
65 Methyl methacrylate	41		5.768					9
67 1,4-Dioxane	88	5.804	5.801	0.003	1	2876	12.1	
66 Dibromomethane	93	5.792	5.801	-0.009	75	12008	0.4775	
68 Dichlorobromomethane	83	5.922	5.919	0.003	74	20798	0.3934	
69 2-Nitropropane	41		6.111					
70 2-Chloroethyl vinyl ether	63	6.159	6.168	-0.009	63	16109	1.61	
71 cis-1,3-Dichloropropene	75	6.313	6.309	0.004	57	19880	0.7891	
72 4-Methyl-2-pentanone (MIBK)	43	6.431	6.440	-0.009	97	159224	3.70	
73 Toluene	91	6.620	6.629	-0.009	89	100373	0.4649	
74 trans-1,3-Dichloropropene	75	6.798	6.795	0.003	66	17298	0.8389	
75 Ethyl methacrylate	69	6.869	6.866	0.003	70	16923	0.8134	
76 1,1,2-Trichloroethane	97	6.964	6.960	0.004	72	16657	0.4319	
77 1,3-Dichloropropane	76	7.117	7.114	0.003	85	31442	0.4656	
78 Tetrachloroethene	164	7.117	7.126	-0.009	86	15161	0.3770	
79 2-Hexanone	43	7.177	7.185	-0.008	97	104950	3.49	
80 n-Butyl acetate	56		7.294					
81 Chlorodibromomethane	129	7.330	7.327	0.003	48	13168	0.3745	
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.449	7.445	0.004	55	17173	0.4758	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112	7.898	7.907	-0.009	88	66327	0.4918	
86 1,1,1,2-Tetrachloroethane	131	7.969	7.966	0.003	52	17896	0.4183	
87 Ethylbenzene	106	8.005	8.002	0.003	89	29241	0.4063	
88 m-Xylene & p-Xylene	106	8.111	8.108	0.003	98	63291	0.7005	
89 o-Xylene	106	8.490	8.487	0.003	87	30648	0.3549	
90 Styrene	104	8.502	8.499	0.003	87	48805	0.3468	
91 Bromoform	173	8.679	8.676	0.003	59	6690	0.3184	
92 Isopropylbenzene	105	8.845	8.842	0.003	79	65063	0.3103	
94 Cyclohexanone	55		8.927					9
93 1,4-Dichlorobutane	55		8.931					9
95 1,1,2,2-Tetrachloroethane	83	9.105	9.102	0.003	75	24290	0.5750	
96 Bromobenzene	156	9.141	9.138	0.003	91	23694	0.4772	
97 1,2,3-Trichloropropane	110	9.153	9.161	-0.008	59	8242	0.6184	
98 trans-1,4-Dichloro-2-butene	53	9.164	9.161	0.003	34	3604	0.3999	
99 N-Propylbenzene	120	9.235	9.244	-0.009	90	20259	0.4013	
100 2-Chlorotoluene	126	9.330	9.327	0.003	90	21227	0.4532	
101 1,3,5-Trimethylbenzene	105	9.413	9.410	0.003	83	52973	0.3664	
102 4-Chlorotoluene	126	9.425	9.433	-0.008	87	20283	0.4047	
103 tert-Butylbenzene	119	9.732	9.729	0.003	82	49040	0.3766	
104 1,2,4-Trimethylbenzene	105	9.780	9.777	0.004	58	48139	0.3256	
105 sec-Butylbenzene	105	9.945	9.942	0.003	80	53831	0.3304	
106 1,3-Dichlorobenzene	146	10.064	10.060	0.004	89	43685	0.4721	
107 4-Isopropyltoluene	119	10.087	10.084	0.003	81	43584	0.3276	
108 1,4-Dichlorobenzene	146	10.147	10.143	0.004	78	50736	0.5223	
109 1,2,3-Trimethylbenzene	105		10.193					9
110 n-Butylbenzene	91	10.490	10.498	-0.008	86	34710	0.3085	
111 1,2-Dichlorobenzene	146	10.513	10.510	0.003	84	43096	0.5065	
112 1,2-Dibromo-3-Chloropropane	157	11.271	11.279	-0.008	1	2753	0.5473	
113 1,3,5-Trichlorobenzene	180	11.507	11.504	0.003	61	19224	0.4158	
114 1,2,4-Trichlorobenzene	180	12.123	12.119	0.004	62	18226	0.4916	
115 Hexachlorobutadiene	225		12.297					
116 Naphthalene	128	12.371	12.368	0.003	94	41588	0.4503	
117 1,2,3-Trichlorobenzene	180	12.620	12.616	0.004	73	18053	0.5024	
118 2-Methylnaphthalene	142		13.669					
S 119 Trihalomethanes, Total	1				0		1.58	
S 120 1,2-Dichloroethene, Total	96				0		0.9377	
S 121 1,3-Dichloropropene, Total	75				0		1.63	
S 122 Xylenes, Total	106				0		1.06	
T 144 Isobutylene TIC	1		1.900					1
T 145 1,3-Butadiene TIC	1		2.100					1
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

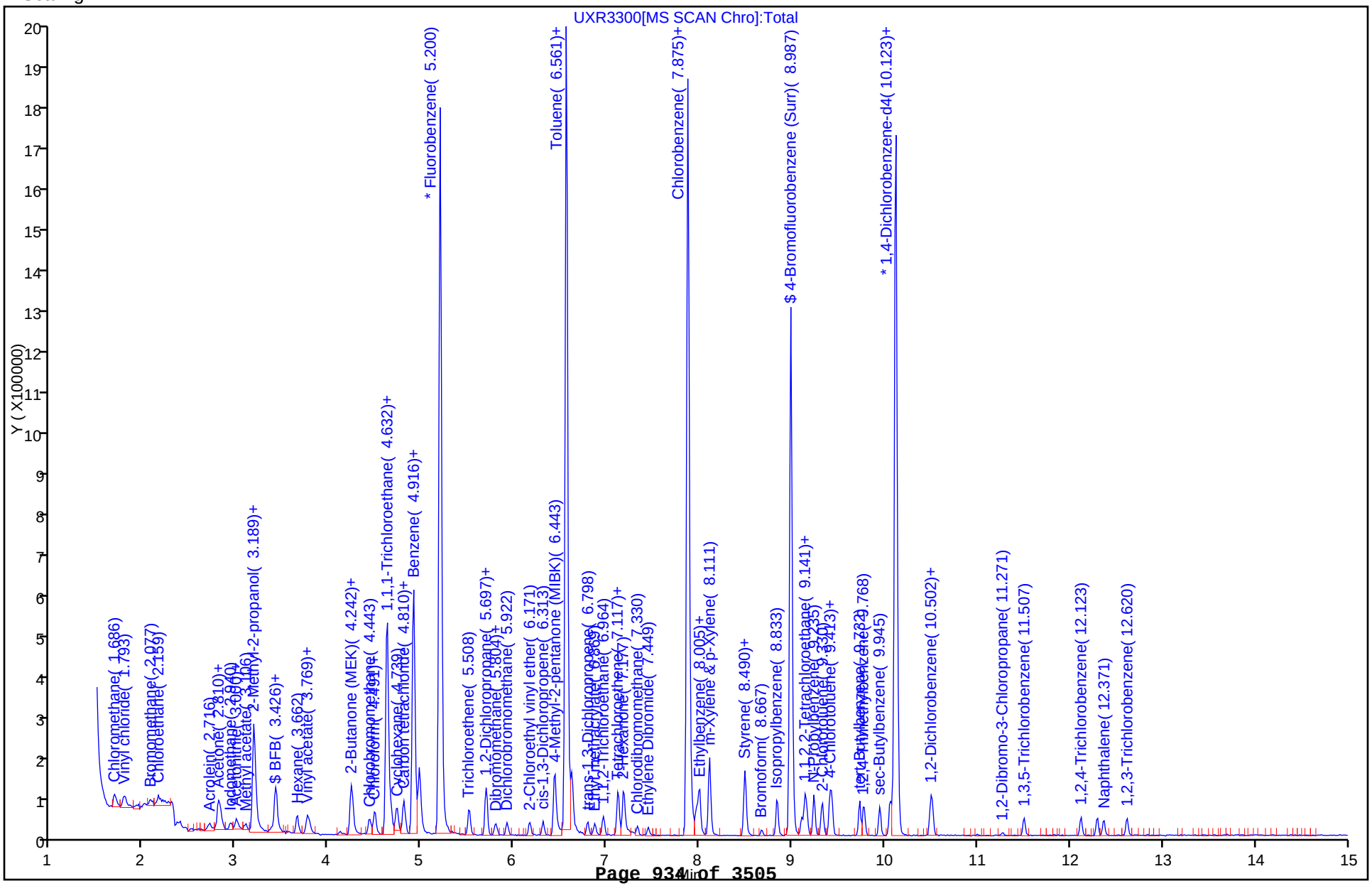
Report Date: 09-Apr-2013 08:43:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3300.D

Injection Date:	08-Apr-2013 19:19:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	22
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-80127/21 Calibration Date: 04/01/2013 20:31

Instrument ID: A3UX14 Calib Start Date: 04/01/2013 14:03

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/01/2013 16:55

Lab File ID: 141683.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2854	0.2297	0.1000	0.0402	0.0500	-19.5	20.0
Chloromethane	Ave	0.3690	0.3167	0.1000	0.0429	0.0500	-14.2	20.0
Vinyl chloride	Ave	0.2972	0.2719	0.1000	0.0457	0.0500	-8.5	20.0
Bromomethane	Ave	0.0974	0.0871	0.0500	0.0447	0.0500	-10.6	20.0
Chloroethane	Ave	0.1382	0.1318	0.0500	0.0477	0.0500	-4.7	20.0
Trichlorofluoromethane	Ave	0.3794	0.3607	0.1000	0.0475	0.0500	-4.9	20.0
1,1-Dichloroethene	Ave	0.2294	0.2378	0.1000	0.0518	0.0500	3.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2017	0.1982	0.0500	0.0491	0.0500	-1.7	20.0
Acetone	Lin1		0.0619	0.0500	0.0911	0.100	-8.9	20.0
Iodomethane	Ave	0.3739	0.3785		0.0506	0.0500	1.2	20.0
Carbon disulfide	Lin1		0.5736	0.1000	0.0429	0.0500	-14.3	20.0
Methyl acetate	Ave	0.1709	0.1755	0.1000	0.103	0.100	2.7	20.0
Methylene Chloride	Ave	0.2696	0.2573	0.1000	0.0477	0.0500	-4.6	20.0
2-Methyl-2-propanol	Ave	0.0170	0.0148		0.870	1.00	-13.0	20.0
trans-1,2-Dichloroethene	Ave	0.2642	0.2709	0.1000	0.0513	0.0500	2.5	20.0
Methyl tert-butyl ether	Ave	0.5962	0.5956	0.1000	0.0500	0.0500	-0.1	20.0
1,1-Dichloroethane	Ave	0.4934	0.4913	0.1000	0.0498	0.0500	-0.4	20.0
Vinyl acetate	Ave	0.0388	0.0307		0.0396	0.0500	-20.8*	20.0
2,2-Dichloropropane	Ave	0.2323	0.2190		0.0471	0.0500	-5.7	20.0
cis-1,2-Dichloroethene	Ave	0.2845	0.2842	0.1000	0.0499	0.0500	-0.1	20.0
2-Butanone (MEK)	Ave	0.1017	0.0919	0.0500	0.0903	0.100	-9.7	20.0
Bromochloromethane	Ave	0.1275	0.1302		0.0510	0.0500	2.1	20.0
Chloroform	Ave	0.4278	0.4312	0.2000	0.0504	0.0500	0.8	20.0
1,1,1-Trichloroethane	Ave	0.3321	0.3372	0.1000	0.0508	0.0500	1.5	20.0
Cyclohexane	Ave	0.4987	0.5398	0.1000	0.0541	0.0500	8.2	20.0
1,1-Dichloropropene	Ave	0.3421	0.3701		0.0541	0.0500	8.2	20.0
Carbon tetrachloride	Ave	0.3215	0.3152	0.1000	0.0490	0.0500	-2.0	20.0
Benzene	Ave	1.060	1.052	0.5000	0.0496	0.0500	-0.8	20.0
1,2-Dichloroethane	Ave	0.3414	0.3389	0.1000	0.0496	0.0500	-0.7	20.0
Trichloroethene	Ave	0.3101	0.2902	0.2000	0.0468	0.0500	-6.4	20.0
Methylcyclohexane	Ave	0.4513	0.4848	0.1000	0.0537	0.0500	7.4	20.0
1,2-Dichloropropane	Ave	0.2650	0.2696	0.1000	0.0509	0.0500	1.7	20.0
Dibromomethane	Ave	0.1255	0.1246		0.0496	0.0500	-0.7	20.0
Bromodichloromethane	Lin1		0.2542	0.1000	0.0422	0.0500	-15.7	20.0
cis-1,3-Dichloropropene	Lin1		0.3220	0.1500	0.0439	0.0500	-12.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3035	0.2833	0.0500	0.0933	0.100	-6.7	20.0
Toluene	Ave	1.685	1.653	0.4000	0.0490	0.0500	-1.9	20.0
trans-1,3-Dichloropropene	Lin1		0.3803	0.1000	0.0453	0.0500	-9.3	20.0
1,1,2-Trichloroethane	Ave	0.2588	0.2571	0.1000	0.0497	0.0500	-0.6	20.0
Tetrachloroethene	Ave	0.3468	0.3407	0.2000	0.0491	0.0500	-1.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-80127/21 Calibration Date: 04/01/2013 20:31

Instrument ID: A3UX14 Calib Start Date: 04/01/2013 14:03

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/01/2013 16:55

Lab File ID: 141683.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	0.4627	0.4576		0.0494	0.0500	-1.1	20.0
2-Hexanone	Ave	0.2014	0.1854	0.0500	0.0921	0.100	-7.9	20.0
Dibromochloromethane	Lin1		0.2523		0.0432	0.0500	-13.7	20.0
1,2-Dibromoethane	Ave	0.2495	0.2589		0.0519	0.0500	3.8	20.0
Chlorobenzene	Ave	1.043	0.9871	0.3000	0.0473	0.0500	-5.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3351	0.3377		0.0504	0.0500	0.8	20.0
Ethylbenzene	Ave	0.5641	0.5575		0.0494	0.0500	-1.2	20.0
m-Xylene & p-Xylene	Ave	0.6957	0.6826		0.0981	0.100	-1.9	20.0
o-Xylene	Ave	0.6581	0.6583		0.0500	0.0500	0.0	20.0
Styrene	Ave	1.012	1.043	0.3000	0.0515	0.0500	3.0	20.0
Bromoform	Qua		0.1228	0.1000	0.0437	0.0500	-12.5	20.0
Isopropylbenzene	Ave	1.738	1.765	0.1000	0.0508	0.0500	1.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5845	0.5974	0.3000	0.0511	0.0500	2.2	20.0
Bromobenzene	Ave	0.8866	0.8304		0.0468	0.0500	-6.3	20.0
1,2,3-Trichloropropane	Ave	0.1986	0.1948		0.0490	0.0500	-1.9	20.0
N-Propylbenzene	Ave	1.054	1.022		0.0485	0.0500	-3.0	20.0
2-Chlorotoluene	Ave	0.9045	0.8732		0.0483	0.0500	-3.5	20.0
1,3,5-Trimethylbenzene	Ave	3.020	2.982		0.0494	0.0500	-1.3	20.0
4-Chlorotoluene	Ave	0.9215	0.8745		0.0474	0.0500	-5.1	20.0
tert-Butylbenzene	Ave	2.843	2.811		0.0494	0.0500	-1.2	20.0
1,2,4-Trimethylbenzene	Ave	3.067	2.954		0.0482	0.0500	-3.7	20.0
sec-Butylbenzene	Ave	3.915	3.893		0.0497	0.0500	-0.6	20.0
1,3-Dichlorobenzene	Ave	1.753	1.587	0.6000	0.0453	0.0500	-9.5	20.0
4-Isopropyltoluene	Ave	3.362	3.152		0.0469	0.0500	-6.2	20.0
1,4-Dichlorobenzene	Ave	1.764	1.584	0.5000	0.0449	0.0500	-10.2	20.0
n-Butylbenzene	Ave	2.905	2.739		0.0472	0.0500	-5.7	20.0
1,2-Dichlorobenzene	Ave	1.607	1.466	0.4000	0.0456	0.0500	-8.8	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0709	0.0500	0.0430	0.0500	-14.0	20.0
1,2,4-Trichlorobenzene	Ave	1.012	0.7934	0.2000	0.0392	0.0500	-21.6*	20.0
Hexachlorobutadiene	Ave	0.5116	0.4134		0.0404	0.0500	-19.2	20.0
Naphthalene	Ave	1.973	1.551		0.0393	0.0500	-21.4*	20.0
1,2,3-Trichlorobenzene	Qua		0.6091		0.0414	0.0500	-17.3	20.0
Dibromofluoromethane (Surr)	Lin1		0.2247		0.0420	0.0500	-16.0	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2501		0.0423	0.0500	-15.4	20.0
Toluene-d8 (Surr)	Lin1		1.335		0.0433	0.0500	-13.4	20.0
4-Bromofluorobenzene (Surr)	Lin1		0.9283		0.0419	0.0500	-16.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141683.D
Lims ID: ICV Client ID:
Inject. Date: 01-Apr-2013 20:31:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: icv
Misc. Info.: 240-0018434-021 =240-0018434-021
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 20
Lims Batch ID: 80127 Lims Sample ID: 21
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m
Last Update: 03-Apr-2013 12:45:02 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK035

First Level Reviewer: macenczaks Date: 02-Apr-2013 09:38:05

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1276199	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	859219	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	404592	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	80	286768	42.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	319139	42.3	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	84	1147344	43.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.624	10.636	-0.012	91	375582	41.9	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	98	293101	40.2	
13 Chloromethane	50	1.643	1.643	0.0	100	404181	42.9	
14 Vinyl chloride	62	1.773	1.773	0.0	99	346969	45.7	
15 Bromomethane	94	2.116	2.116	0.0	90	111138	44.7	
16 Chloroethane	64	2.234	2.234	0.0	97	168145	47.7	
18 Trichlorofluoromethane	101	2.542	2.542	0.0	93	460341	47.5	
20 Acrolein	56	3.086	3.086	0.0	94	324022	398.9	
21 1,1-Dichloroethene	96	3.205	3.205	0.001	97	303450	51.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.252	3.240	0.012	85	252938	49.1	
22 Acetone	43	3.311	3.311	0.0	99	157939	91.1	
24 Iodomethane	142	3.406	3.406	0.0	99	483077	50.6	
26 Carbon disulfide	76	3.477	3.477	0.0	100	732079	42.9	
27 Acetonitrile	41	3.737	3.737	0.0	99	286996	419.6	
28 Methyl acetate	43	3.832	3.820	0.012	97	447810	102.7	
30 Methylene Chloride	84	3.950	3.950	0.0	98	328327	47.7	
31 2-Methyl-2-propanol	59	4.258	4.258	0.0	93	378099	869.8	
32 Acrylonitrile	53	4.364	4.364	0.0	97	193545	92.1	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	97	345779	51.3	
34 Methyl tert-butyl ether	73	4.412	4.411	0.001	90	760094	50.0	
35 Hexane	86	4.802	4.802	0.0	96	94823	51.4	
36 1,1-Dichloroethane	63	4.980	4.979	0.001	97	627007	49.8	
37 Vinyl acetate	86	5.098	5.098	0.0	97	39184	39.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.701	5.701	0.0	82	279438	47.1	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	362635	49.9	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	93	234517	90.3	
47 Chlorobromomethane	128	5.985	5.973	0.012	97	166137	51.0	
48 Tetrahydrofuran	42	6.033	6.033	0.0	89	83039	46.8	
49 Chloroform	83	6.092	6.092	0.0	96	550238	50.4	
50 1,1,1-Trichloroethane	97	6.269	6.257	0.012	95	430275	50.8	
51 Cyclohexane	56	6.317	6.317	0.0	94	688929	54.1	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	472258	54.1	
53 Carbon tetrachloride	117	6.435	6.435	0.0	72	402239	49.0	
55 Benzene	78	6.648	6.648	0.0	98	1342259	49.6	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	95	432552	49.6	
60 Trichloroethene	130	7.287	7.287	0.0	96	370349	46.8	
63 Methylcyclohexane	83	7.465	7.464	0.001	96	618655	53.7	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	91	343996	50.9	
65 Dibromomethane	93	7.607	7.606	0.001	88	158987	49.6	
66 1,4-Dioxane	88	7.630	7.630	0.0	98	117195	2419.3	
67 Dichlorobromomethane	83	7.760	7.760	0.0	97	324447	42.2	
69 2-Chloroethyl vinyl ether	63	8.033	8.032	0.001	93	252372	98.2	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.001	89	410888	43.9	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.304	0.001	99	486852	93.3	
72 Toluene	91	8.459	8.458	0.001	97	1420233	49.0	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	98	326728	45.3	
74 Ethyl methacrylate	69	8.731	8.730	0.001	93	311908	54.2	
75 1,1,2-Trichloroethane	97	8.802	8.813	-0.011	94	220939	49.7	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	292762	49.1	
76 1,3-Dichloropropane	76	8.956	8.955	0.001	96	393155	49.4	
78 2-Hexanone	43	9.015	9.014	0.001	99	318593	92.1	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	216818	43.2	
123 Ethylene Dibromide	107	9.251	9.251	0.0	98	222489	51.9	
82 Chlorobenzene	112	9.665	9.665	0.0	91	848162	47.3	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	91	290116	50.4	
84 Ethylbenzene	106	9.748	9.760	-0.012	99	478990	49.4	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	1173071	98.1	
85 o-Xylene	106	10.186	10.186	0.0	94	565603	50.0	
86 Styrene	104	10.198	10.198	0.0	92	896185	51.5	
87 Bromoform	173	10.364	10.363	0.001	97	105550	43.7	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	1516816	50.8	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	95	241682	51.1	
91 Bromobenzene	156	10.766	10.766	0.0	90	335952	46.8	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.789	0.001	63	72282	47.2	
92 1,2,3-Trichloropropane	110	10.790	10.789	0.001	81	78828	49.0	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	413692	48.5	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	353300	48.3	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	1206330	49.4	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	353809	47.4	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	1137147	49.4	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	1195091	48.2	
99 sec-Butylbenzene	105	11.452	11.452	0.0	93	1575175	49.7	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	641905	45.3	
101 4-Isopropyltoluene	119	11.571	11.570	0.001	89	1275303	46.9	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	95	640979	44.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1108371	47.2	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	592949	45.6	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	80	28669	43.0	
108 1,3,5-Trichlorobenzene	180	12.778	12.778	0.0	98	394177	41.5	
109 1,2,4-Trichlorobenzene	180	13.275	13.274	0.001	92	320984	39.2	
110 Hexachlorobutadiene	225	13.405	13.404	0.001	98	167276	40.4	
111 Naphthalene	128	13.476	13.475	0.001	97	627465	39.3	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	96	246450	41.4	
S 11 1,2-Dichloroethene, Total	96				0		101.2	
S 114 Xylenes, Total	106				0		148.1	

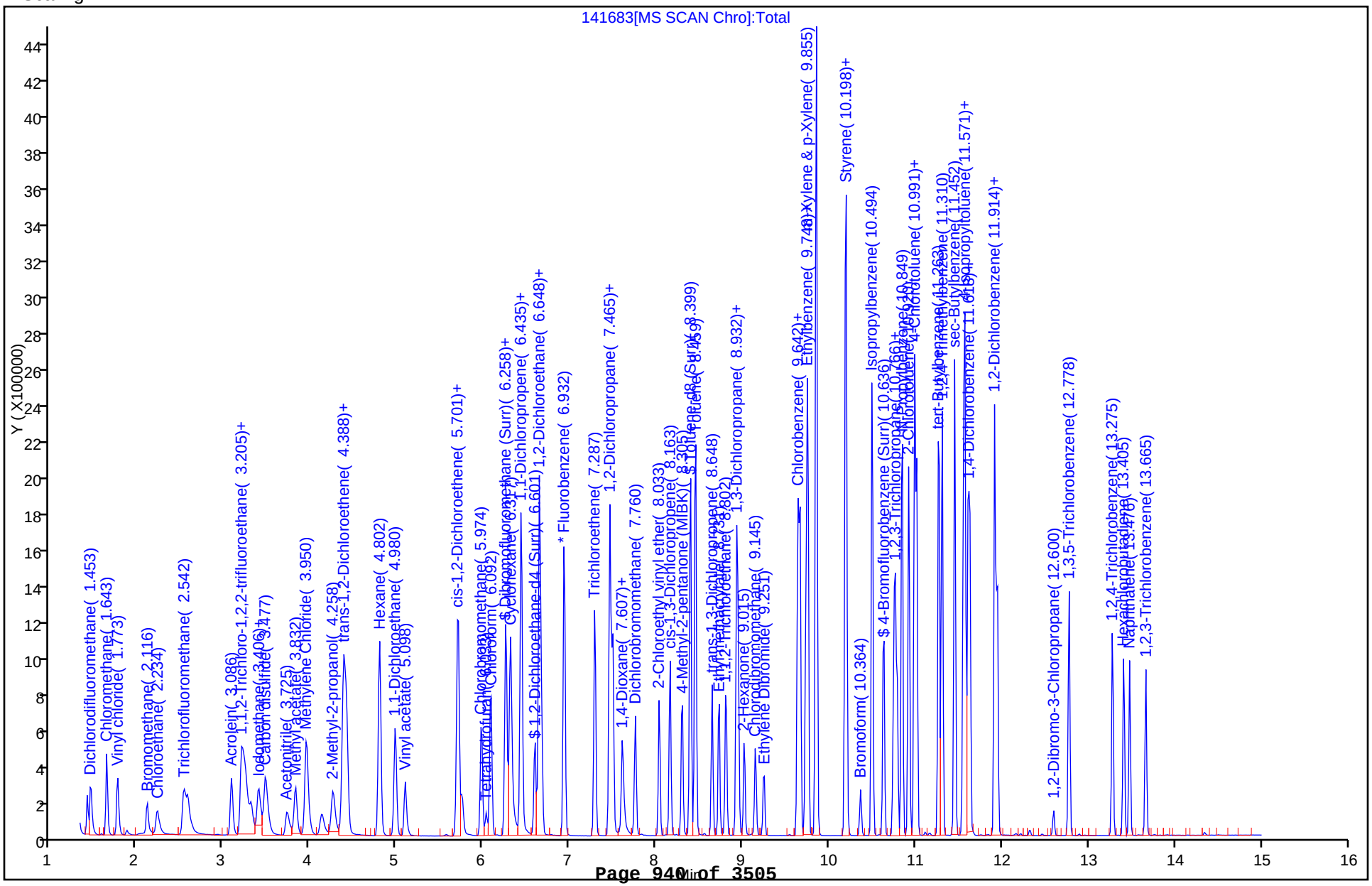
Report Date: 03-Apr-2013 12:45:04 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141683.D

Injection Date:	01-Apr-2013 20:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	21
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-80954/4 Calibration Date: 04/08/2013 11:17

Instrument ID: A3UX14 Calib Start Date: 04/01/2013 14:03

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/01/2013 16:55

Lab File ID: 141828.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Lin1		0.2175		0.0405	0.0500	-18.9	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2566		0.0436	0.0500	-12.9	20.0
Toluene-d8 (Surr)	Lin1		1.338		0.0434	0.0500	-13.2	20.0
4-Bromofluorobenzene (Surr)	Lin1		0.9576		0.0434	0.0500	-13.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130408-18642.b\141828.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	08-Apr-2013 11:17:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:	240-0018642-004 =240-0018642-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	80954	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub34		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m		
Last Update:	09-Apr-2013 16:28:50	Calib Date:	01-Apr-2013 20:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK014		
First Level Reviewer: macenczaks		Date:	08-Apr-2013 11:35:58

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1269036	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	842746	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	366120	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	73	276052	40.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	325644	43.6	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1127252	43.4	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	96	350580	43.4	
133 Benzyl chloride	126		0.000					
27 Acetonitrile	41	3.725	3.725	0.0	99	287623	422.9	
39 2-Chloro-1,3-butadiene	53	5.098	5.098	0.0	95	603257	51.0	
38 Isopropyl ether	87	5.122	5.122	0.0	95	275814	47.3	
40 Tert-butyl ethyl ether	59	5.571	5.571	0.0	97	911509	46.6	
61 Ethyl acrylate	55		5.605					9
44 Propionitrile	54	5.820	5.820	0.0	99	321445	409.4	
45 Ethyl acetate	43	5.843	5.843	0.0	99	460668	81.9	
46 Methacrylonitrile	41	5.985	5.985	0.0	96	1593673	429.8	
57 Tert-amyl methyl ether	73	6.790	6.790	0.0	92	642677	46.2	
59 n-Butanol	56	7.263	7.263	0.0	93	118217	986.8	
64 Methyl methacrylate	41	7.618	7.618	0.0	93	426889	85.3	
68 2-Nitropropane	41	7.962	7.962	0.0	99	74832	87.9	
132 n-Butyl acetate	43	9.121	9.121	0.0	0	318173	0	
89 Cyclohexanone	55	10.577	10.577	0.0	96	74804	524.3	
103 1,2,3-Trimethylbenzene	105	11.665	11.665	0.0	98	1053193	49.1	
108 1,3,5-Trichlorobenzene	180	12.778	12.778	0.0	98	403656	47.0	
113 2-Methylnaphthalene	142	14.351	14.351	0.0	89	579166	65.7	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

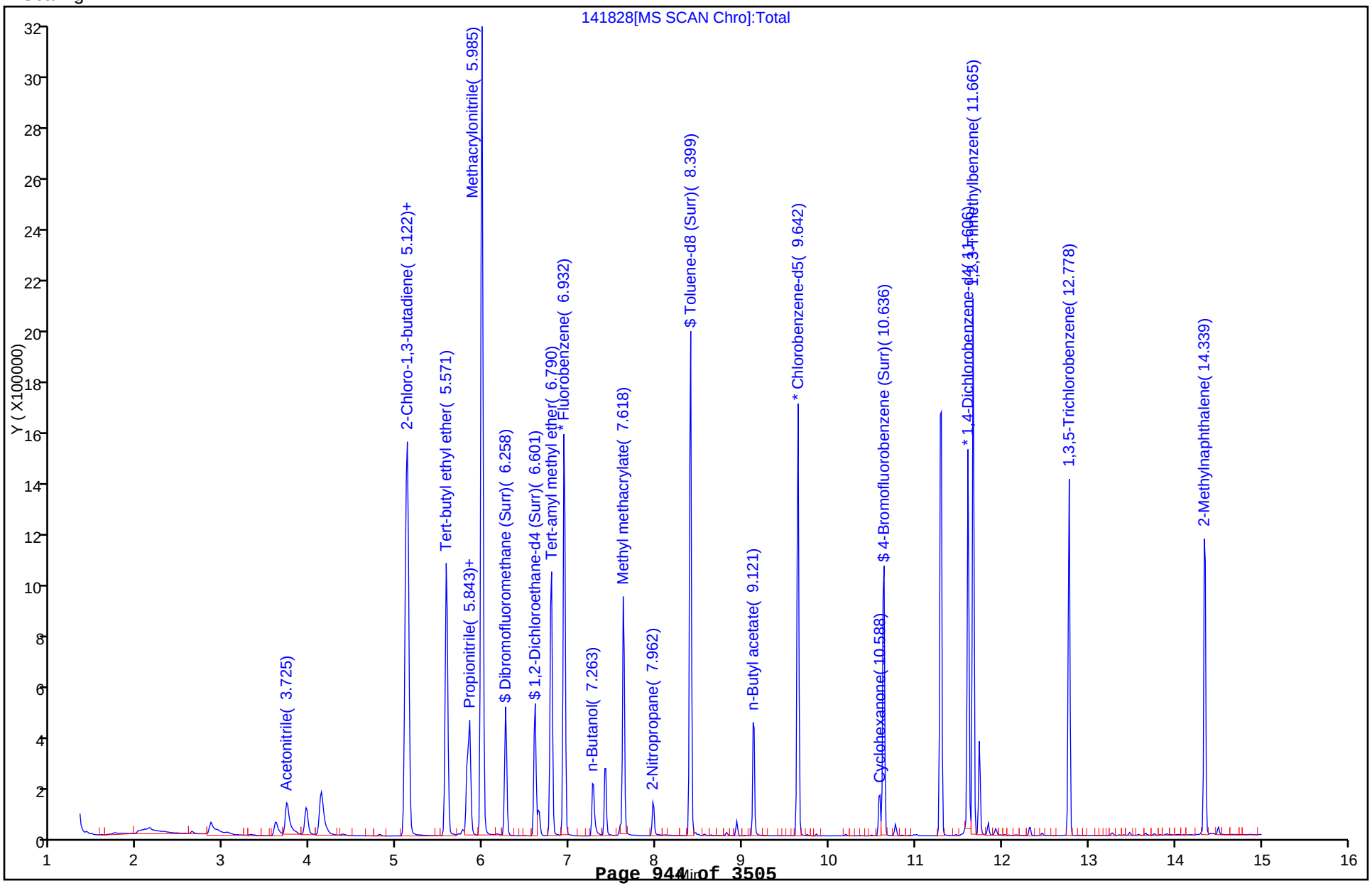
Report Date: 09-Apr-2013 16:28:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141828.D

Injection Date:	08-Apr-2013 11:17:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	4
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-80954/4 Calibration Date: 04/08/2013 11:17

Instrument ID: A3UX14 Calib Start Date: 04/01/2013 17:17

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/01/2013 20:09

Lab File ID: 141828.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Cyclohexanone	Ave	0.0085	0.0089		0.524	0.500	4.9	20.0
1,2,3-Trimethylbenzene	Ave	2.929	2.877		0.0491	0.0500	-1.8	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141828.D
Lims ID: ccv Client ID:
Inject. Date: 08-Apr-2013 11:17:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.: 240-0018642-004 =240-0018642-004
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 80954 Lims Sample ID: 4
Sublist: chrom-8260_14*sub34
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m
Last Update: 09-Apr-2013 16:28:50 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK014

First Level Reviewer: macenczaks Date: 08-Apr-2013 11:35:58

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1269036	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	842746	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	366120	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.258	0.0	73	276052	40.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	325644	43.6	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1127252	43.4	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	96	350580	43.4	
133 Benzyl chloride	126		0.000					
27 Acetonitrile	41	3.725	3.725	0.0	99	287623	422.9	
39 2-Chloro-1,3-butadiene	53	5.098	5.098	0.0	95	603257	51.0	
38 Isopropyl ether	87	5.122	5.122	0.0	95	275814	47.3	
40 Tert-butyl ethyl ether	59	5.571	5.571	0.0	97	911509	46.6	
61 Ethyl acrylate	55		5.605					9
44 Propionitrile	54	5.820	5.820	0.0	99	321445	409.4	
45 Ethyl acetate	43	5.843	5.843	0.0	99	460668	81.9	
46 Methacrylonitrile	41	5.985	5.985	0.0	96	1593673	429.8	
57 Tert-amyl methyl ether	73	6.790	6.790	0.0	92	642677	46.2	
59 n-Butanol	56	7.263	7.263	0.0	93	118217	986.8	
64 Methyl methacrylate	41	7.618	7.618	0.0	93	426889	85.3	
68 2-Nitropropane	41	7.962	7.962	0.0	99	74832	87.9	
132 n-Butyl acetate	43	9.121	9.121	0.0	0	318173	0	
89 Cyclohexanone	55	10.577	10.577	0.0	96	74804	524.3	
103 1,2,3-Trimethylbenzene	105	11.665	11.665	0.0	98	1053193	49.1	
108 1,3,5-Trichlorobenzene	180	12.778	12.778	0.0	98	403656	47.0	
113 2-Methylnaphthalene	142	14.351	14.351	0.0	89	579166	65.7	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

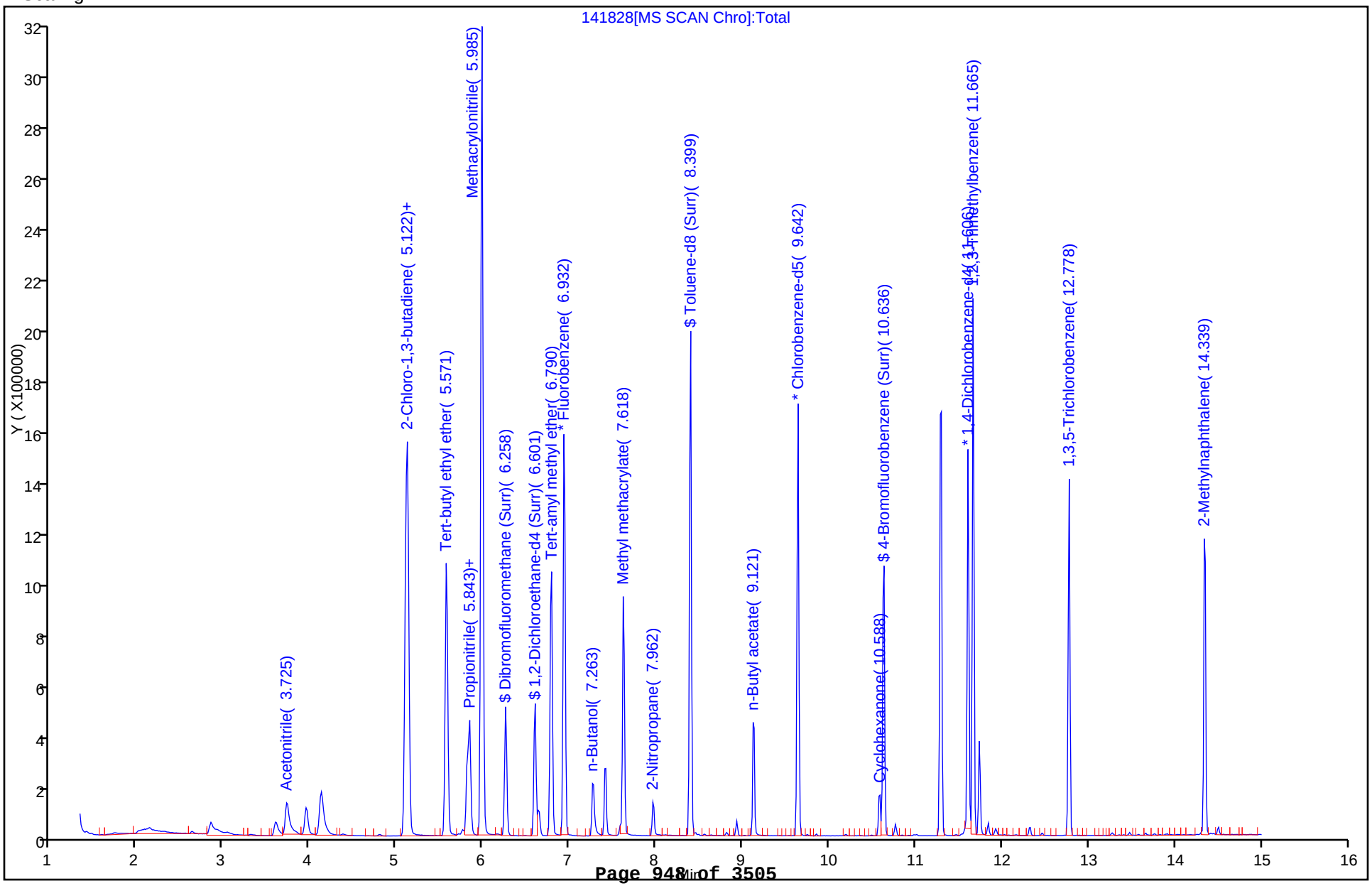
Report Date: 09-Apr-2013 16:28:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141828.D

Injection Date:	08-Apr-2013 11:17:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	4
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-80954/9 Calibration Date: 04/08/2013 11:39

Instrument ID: A3UX14 Calib Start Date: 04/01/2013 14:03

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/01/2013 16:55

Lab File ID: 141829.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2854	0.2748	0.1000	0.0481	0.0500	-3.7	20.0
Chloromethane	Ave	0.3690	0.3377	0.1000	0.0458	0.0500	-8.5	20.0
Vinyl chloride	Ave	0.2972	0.3048	0.1000	0.0513	0.0500	2.6	20.0
Bromomethane	Ave	0.0974	0.0984	0.0500	0.0505	0.0500	1.0	20.0
Chloroethane	Ave	0.1382	0.1521	0.0500	0.0550	0.0500	10.0	20.0
Dichlorofluoromethane	Ave	0.4028	0.4548		0.0565	0.0500	12.9	20.0
Trichlorofluoromethane	Ave	0.3794	0.4196	0.1000	0.0553	0.0500	10.6	20.0
1,1-Dichloroethene	Ave	0.2294	0.2196	0.1000	0.0479	0.0500	-4.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2017	0.1910	0.0500	0.0474	0.0500	-5.3	20.0
Acetone	Lin1		0.0641	0.0500	0.0946	0.100	-5.4	20.0
Iodomethane	Ave	0.3739	0.3794		0.0507	0.0500	1.5	20.0
Carbon disulfide	Lin1		0.5449	0.1000	0.0409	0.0500	-18.3	20.0
Methyl acetate	Ave	0.1709	0.1589	0.1000	0.232	0.250	-7.0	20.0
Methylene Chloride	Ave	0.2696	0.2768	0.1000	0.0513	0.0500	2.7	20.0
2-Methyl-2-propanol	Ave	0.0170	0.0148		0.435	0.500	-13.0	20.0
trans-1,2-Dichloroethene	Ave	0.2642	0.2581	0.1000	0.0488	0.0500	-2.3	20.0
Methyl tert-butyl ether	Ave	0.5962	0.5583	0.1000	0.0468	0.0500	-6.4	20.0
1,1-Dichloroethane	Ave	0.4934	0.4764	0.1000	0.0483	0.0500	-3.4	20.0
Vinyl acetate	Ave	0.0388	0.0323		0.0417	0.0500	-16.6	20.0
2,2-Dichloropropane	Ave	0.2323	0.2120		0.0456	0.0500	-8.8	20.0
cis-1,2-Dichloroethene	Ave	0.2845	0.2751	0.1000	0.0484	0.0500	-3.3	20.0
2-Butanone (MEK)	Ave	0.1017	0.0903	0.0500	0.0888	0.100	-11.2	20.0
Bromochloromethane	Ave	0.1275	0.1208		0.0474	0.0500	-5.3	20.0
Chloroform	Ave	0.4278	0.4163	0.2000	0.0487	0.0500	-2.7	20.0
1,1,1-Trichloroethane	Ave	0.3321	0.3171	0.1000	0.0477	0.0500	-4.5	20.0
Cyclohexane	Ave	0.4987	0.4644	0.1000	0.0466	0.0500	-6.9	20.0
1,1-Dichloropropene	Ave	0.3421	0.3310		0.0484	0.0500	-3.2	20.0
Carbon tetrachloride	Ave	0.3215	0.3161	0.1000	0.0492	0.0500	-1.7	20.0
Benzene	Ave	1.060	1.030	0.5000	0.0486	0.0500	-2.9	20.0
1,2-Dichloroethane	Ave	0.3414	0.3198	0.1000	0.0468	0.0500	-6.3	20.0
Trichloroethene	Ave	0.3101	0.2913	0.2000	0.0470	0.0500	-6.1	20.0
Methylcyclohexane	Ave	0.4513	0.3850	0.1000	0.0426	0.0500	-14.7	20.0
1,2-Dichloropropane	Ave	0.2650	0.2622	0.1000	0.0495	0.0500	-1.1	20.0
Dibromomethane	Ave	0.1255	0.1195		0.0476	0.0500	-4.7	20.0
Bromodichloromethane	Lin1		0.2584	0.1000	0.0429	0.0500	-14.3	20.0
cis-1,3-Dichloropropene	Lin1		0.3131	0.1500	0.0427	0.0500	-14.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3035	0.2848	0.0500	0.0938	0.100	-6.2	20.0
Toluene	Ave	1.685	1.612	0.4000	0.0478	0.0500	-4.4	20.0
trans-1,3-Dichloropropene	Lin1		0.3478	0.1000	0.0416	0.0500	-16.9	20.0
1,1,2-Trichloroethane	Ave	0.2588	0.2452	0.1000	0.0474	0.0500	-5.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-80954/9 Calibration Date: 04/08/2013 11:39

Instrument ID: A3UX14 Calib Start Date: 04/01/2013 14:03

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/01/2013 16:55

Lab File ID: 141829.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloroethene	Ave	0.3468	0.3399	0.2000	0.0490	0.0500	-2.0	20.0
1,3-Dichloropropane	Ave	0.4627	0.4359		0.0471	0.0500	-5.8	20.0
2-Hexanone	Ave	0.2014	0.1809	0.0500	0.0898	0.100	-10.2	20.0
Dibromochloromethane	Lin1		0.2446		0.0419	0.0500	-16.1	20.0
1,2-Dibromoethane	Ave	0.2495	0.2445		0.0490	0.0500	-2.0	20.0
Chlorobenzene	Ave	1.043	0.9740	0.3000	0.0467	0.0500	-6.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3351	0.3262		0.0487	0.0500	-2.7	20.0
Ethylbenzene	Ave	0.5641	0.5529		0.0490	0.0500	-2.0	20.0
m-Xylene & p-Xylene	Ave	0.6957	0.6672		0.0480	0.0500	-4.1	20.0
o-Xylene	Ave	0.6581	0.6426		0.0488	0.0500	-2.4	20.0
Styrene	Ave	1.012	1.006	0.3000	0.0497	0.0500	-0.7	20.0
Bromoform	Qua		0.1176	0.1000	0.0421	0.0500	-15.9	20.0
Isopropylbenzene	Ave	1.738	1.726	0.1000	0.0497	0.0500	-0.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5845	0.5779	0.3000	0.0494	0.0500	-1.1	20.0
Bromobenzene	Ave	0.8866	0.8231		0.0464	0.0500	-7.2	20.0
1,2,3-Trichloropropane	Ave	0.1986	0.1833		0.0461	0.0500	-7.7	20.0
N-Propylbenzene	Ave	1.054	1.063		0.0504	0.0500	0.8	20.0
2-Chlorotoluene	Ave	0.9045	0.8751		0.0484	0.0500	-3.3	20.0
1,3,5-Trimethylbenzene	Ave	3.020	3.022		0.0500	0.0500	0.0	20.0
4-Chlorotoluene	Ave	0.9215	0.8847		0.0480	0.0500	-4.0	20.0
tert-Butylbenzene	Ave	2.843	2.767		0.0487	0.0500	-2.7	20.0
1,2,4-Trimethylbenzene	Ave	3.067	3.016		0.0492	0.0500	-1.7	20.0
sec-Butylbenzene	Ave	3.915	3.851		0.0492	0.0500	-1.6	20.0
1,3-Dichlorobenzene	Ave	1.753	1.615	0.6000	0.0461	0.0500	-7.9	20.0
4-Isopropyltoluene	Ave	3.362	3.278		0.0488	0.0500	-2.5	20.0
1,4-Dichlorobenzene	Ave	1.764	1.579	0.5000	0.0448	0.0500	-10.5	20.0
n-Butylbenzene	Ave	2.905	2.868		0.0494	0.0500	-1.3	20.0
1,2-Dichlorobenzene	Ave	1.607	1.402	0.4000	0.0436	0.0500	-12.7	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0718	0.0500	0.0434	0.0500	-13.1	20.0
1,2,4-Trichlorobenzene	Ave	1.012	0.7918	0.2000	0.0391	0.0500	-21.7*	20.0
Hexachlorobutadiene	Ave	0.5116	0.4185		0.0409	0.0500	-18.2	20.0
Naphthalene	Ave	1.973	1.424		0.0361	0.0500	-27.8*	20.0
1,2,3-Trichlorobenzene	Qua		0.5844		0.0397	0.0500	-20.6*	20.0
Dibromofluoromethane (Surr)	Lin1		0.2341		0.0439	0.0500	-12.2	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2659		0.0453	0.0500	-9.3	20.0
Toluene-d8 (Surr)	Lin1		1.366		0.0445	0.0500	-11.1	20.0
4-Bromofluorobenzene (Surr)	Lin1		0.9787		0.0445	0.0500	-11.0	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141829.D
Lims ID: CCVIS Client ID:
Inject. Date: 08-Apr-2013 11:39:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 240-0018642-009 =240-0018642-009
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 80954 Lims Sample ID: 9
Sublist: chrom-8260_14*sub32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m
Last Update: 09-Apr-2013 16:28:51 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK014

First Level Reviewer: macenczaks Date: 08-Apr-2013 11:59:44

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1254291	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	835672	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	375744	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	89	293603	43.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	97	333474	45.3	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1141840	44.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	96	367724	44.5	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	98	344663	48.1	
13 Chloromethane	50	1.643	1.643	0.0	100	423518	45.8	
14 Vinyl chloride	62	1.761	1.761	0.0	99	382351	51.3	
15 Bromomethane	94	2.104	2.104	0.0	90	123397	50.5	
16 Chloroethane	64	2.211	2.211	0.0	96	190794	55.0	
17 Dichlorofluoromethane	67	2.483	2.483	0.0	98	570476	56.5	
18 Trichlorofluoromethane	101	2.530	2.530	0.0	97	526342	55.3	
19 Ethyl ether	59	2.932	2.932	0.0	97	265108	46.9	
20 Acrolein	56	3.086	3.086	0.0	96	226941	284.3	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	275435	47.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.228	3.228	0.0	75	239593	47.4	
22 Acetone	43	3.323	3.323	0.0	99	160801	94.6	
24 Iodomethane	142	3.406	3.406	0.0	98	475926	50.7	
26 Carbon disulfide	76	3.477	3.477	0.0	100	683485	40.9	
29 3-Chloro-1-propene	76	3.761	3.761	0.0	82	162742	48.0	
28 Methyl acetate	43	3.832	3.832	0.0	97	996805	232.5	
30 Methylene Chloride	84	3.950	3.950	0.0	99	347140	51.3	
31 2-Methyl-2-propanol	59	4.270	4.270	0.0	93	185752	434.8	
32 Acrylonitrile	53	4.364	4.364	0.0	97	946962	458.3	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	323765	48.8	
34 Methyl tert-butyl ether	73	4.423	4.423	0.0	93	700261	46.8	
35 Hexane	86	4.802	4.802	0.0	95	83629	46.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
36 1,1-Dichloroethane	63	4.980	4.980	0.0	97	597590	48.3	
37 Vinyl acetate	86	5.098	5.098	0.0	97	40521	41.7	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	82	265848	45.6	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	345097	48.4	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	94	226444	88.8	
47 Chlorobromomethane	128	5.985	5.985	0.0	97	151503	47.4	
48 Tetrahydrofuran	42	6.033	6.033	0.0	91	150735	86.5	
49 Chloroform	83	6.092	6.092	0.0	96	522109	48.7	
50 1,1,1-Trichloroethane	97	6.269	6.269	0.0	95	397736	47.7	
51 Cyclohexane	56	6.317	6.317	0.0	94	582479	46.6	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	92	415194	48.4	
53 Carbon tetrachloride	117	6.435	6.435	0.0	92	396517	49.2	
54 Isobutyl alcohol	41	6.636	6.636	0.0	90	205347	1180.9	
55 Benzene	78	6.648	6.648	0.0	97	1291372	48.6	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	94	401163	46.8	
58 n-Heptane	100	6.944	6.944	0.0	93	102234	48.5	
60 Trichloroethene	130	7.287	7.287	0.0	96	365349	47.0	
63 Methylcyclohexane	83	7.464	7.464	0.0	96	482887	42.6	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	93	328908	49.5	
65 Dibromomethane	93	7.606	7.606	0.0	95	149928	47.6	
66 1,4-Dioxane	88	7.630	7.630	0.0	97	45449	954.6	
67 Dichlorobromomethane	83	7.760	7.760	0.0	97	324165	42.9	
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	92	173871	68.8	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	89	392732	42.7	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	99	476003	93.8	
72 Toluene	91	8.458	8.458	0.0	97	1346827	47.8	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	99	290613	41.6	
74 Ethyl methacrylate	69	8.731	8.731	0.0	92	270931	48.4	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	94	204939	47.4	
77 Tetrachloroethene	164	8.932	8.932	0.0	98	284054	49.0	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	96	364304	47.1	
78 2-Hexanone	43	9.015	9.015	0.0	99	302350	89.8	
79 Chlorodibromomethane	129	9.145	9.145	0.0	91	204425	41.9	
123 Ethylene Dibromide	107	9.251	9.251	0.0	98	204295	49.0	
82 Chlorobenzene	112	9.665	9.665	0.0	98	813939	46.7	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	93	272570	48.7	
84 Ethylbenzene	106	9.760	9.760	0.0	98	462030	49.0	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	557581	48.0	
85 o-Xylene	106	10.186	10.186	0.0	95	536959	48.8	
86 Styrene	104	10.198	10.198	0.0	91	840552	49.7	
87 Bromoform	173	10.364	10.364	0.0	97	98260	42.1	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	1442743	49.7	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	95	217142	49.4	
91 Bromobenzene	156	10.766	10.766	0.0	91	309283	46.4	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	80	67183	47.2	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	74	68859	46.1	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	399287	50.4	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	328800	48.4	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	1135336	50.0	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	332410	48.0	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	1039670	48.7	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	1133404	49.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	1446835	49.2	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	91	606727	46.1	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	95	1231775	48.8	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	95	593310	44.8	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1077672	49.4	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	98	526830	43.6	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	80	26974	43.4	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	297516	39.1	
110 Hexachlorobutadiene	225	13.405	13.405	0.0	98	157249	40.9	
111 Naphthalene	128	13.476	13.476	0.0	97	535066	36.1	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	97	219572	39.7	
S 137 Trihalomethanes, Total	1				0		175.5	
S 11 1,2-Dichloroethene, Total	96				0		97.2	
S 9 1,3-Dichloropropene, Total	75				0		84.3	
S 114 Xylenes, Total	106				0		96.8	

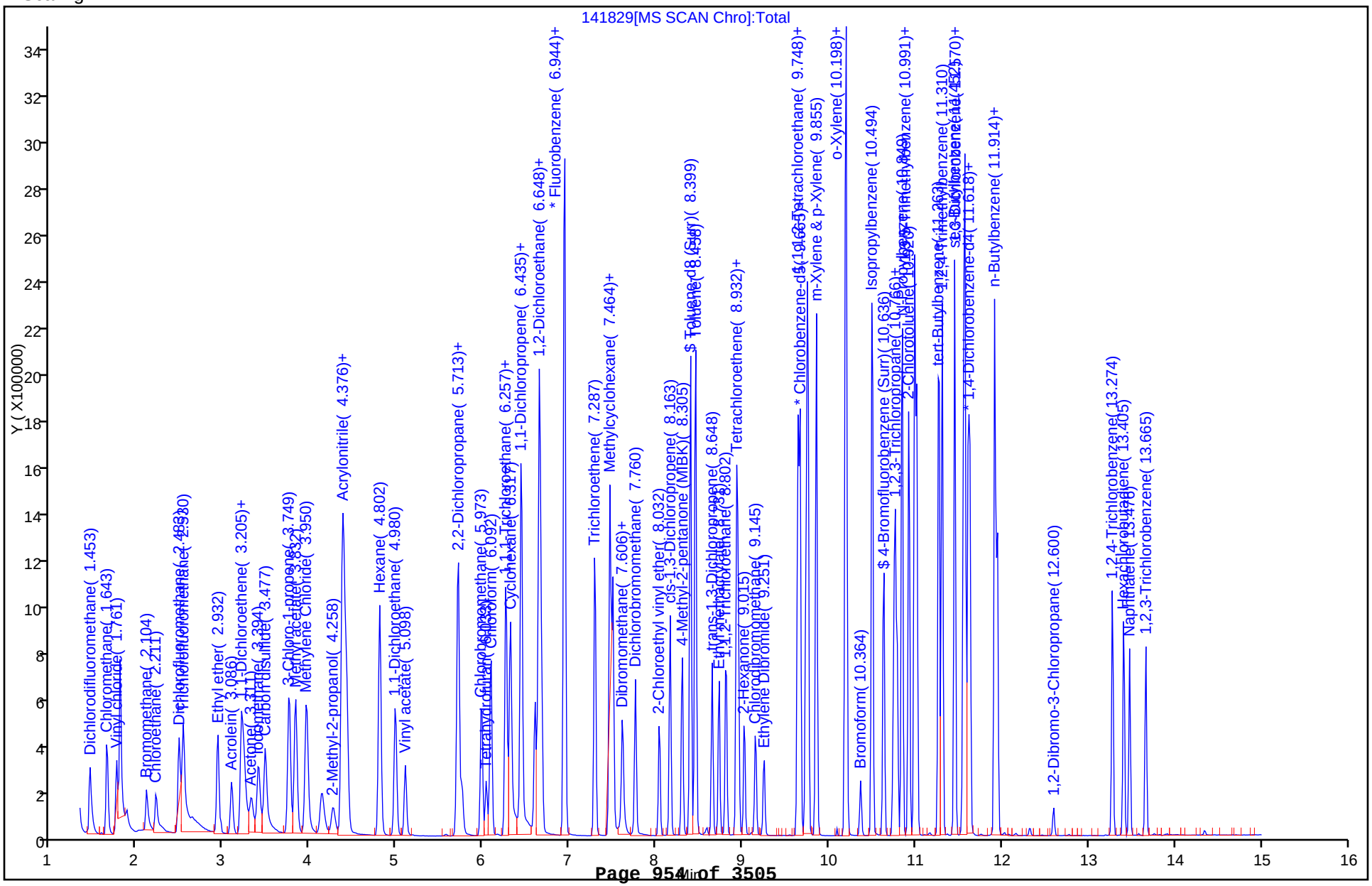
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TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141829.D

Injection Date:	08-Apr-2013 11:39:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	9
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20130402-18471.b\BFB5167.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	02-Apr-2013 12:48:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	240-0018471-001		
Misc. Info.:			
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	11
Lims Batch ID:	80277	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20130402-18471.b\8260_10.m		
Last Update:	03-Apr-2013 11:29:02	Calib Date:	02-Apr-2013 17:07:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK019		
First Level Reviewer: quayler		Date:	02-Apr-2013 13:02:16

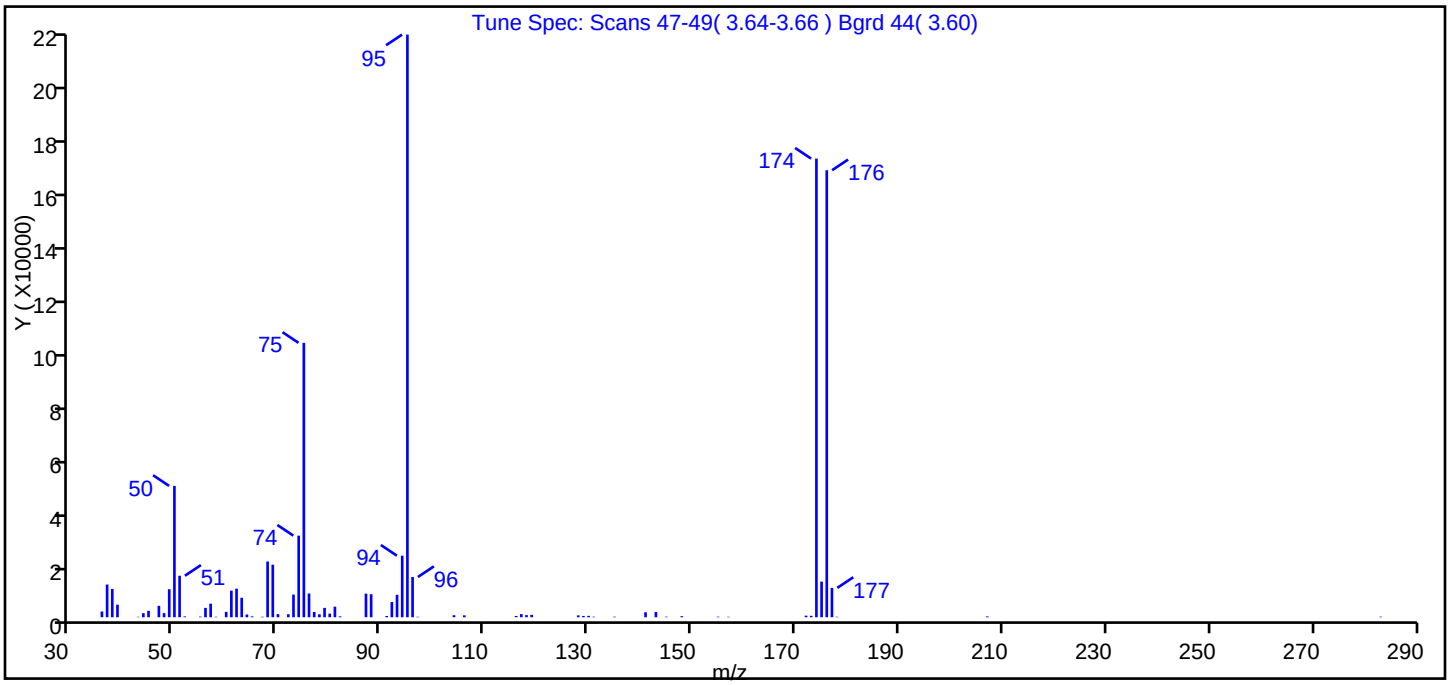
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.650	3.650	0.0	0	488839	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX10\20130402-18471.b\BFB5167.D		
Injection Date:	02-Apr-2013 12:48:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	80277	Lims Sample ID:	1
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.54
75	30.00 - 60.00% of mass 95	47.10
96	5.00 - 9.00% of mass 95	6.91
173	Less than 2.00% of mass 174	0.25 (0.32)
174	Greater than 50.00% of mass 95	78.72
175	5.00 - 9.00% of mass 174	6.12 (7.77)
176	95.00 - 101.00% of mass 174	76.72 (97.47)
177	5.00 - 9.00% of mass 176	5.04 (6.57)

Data File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\BFB5167.D\8260_10.rslt\spectra.d
Injection Date: 02-Apr-2013 12:48:30
Spectrum: Tune Spec: Scans 47-49(3.64-3.66) Bgrd 44(3.60)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2148	62.00	10708	87.00	8841	135.00	215
37.00	12260	63.00	7314	88.00	8637	141.00	1864
38.00	10608	64.00	1035	91.00	463	143.00	1989
39.00	4712	65.00	328	92.00	5700	145.00	214
43.00	173	67.00	193	93.00	8410	148.00	406
44.00	1508	68.00	20896	94.00	23072	155.00	217
45.00	2396	69.00	19696	95.00	218304	157.00	177
47.00	4277	70.00	1179	96.00	15080	172.00	606
48.00	1546	72.00	1122	97.00	181	173.00	544
49.00	10497	73.00	8501	104.00	768	174.00	171840
50.00	49216	74.00	30584	106.00	720	175.00	13358
51.00	15553	75.00	102816	116.00	473	176.00	167488
52.00	319	76.00	8898	117.00	1186	177.00	10999
55.00	246	77.00	1965	118.00	810	178.00	171
56.00	3504	78.00	1100	119.00	910	207.00	317
57.00	5095	79.00	3514	128.00	701	283.00	223
58.00	180	80.00	1358	129.00	491		
60.00	2017	81.00	3966	130.00	529		
61.00	9974	82.00	341	131.00	214		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20130408-18651.b\BFB5182.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	08-Apr-2013 11:40:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	240-0018651-001		
Misc. Info.:			
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	4
Lims Batch ID:	81013	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20130408-18651.b\8260_10.m		
Last Update:	09-Apr-2013 08:43:27	Calib Date:	02-Apr-2013 17:07:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK021		
First Level Reviewer: quayler		Date:	08-Apr-2013 13:29:55

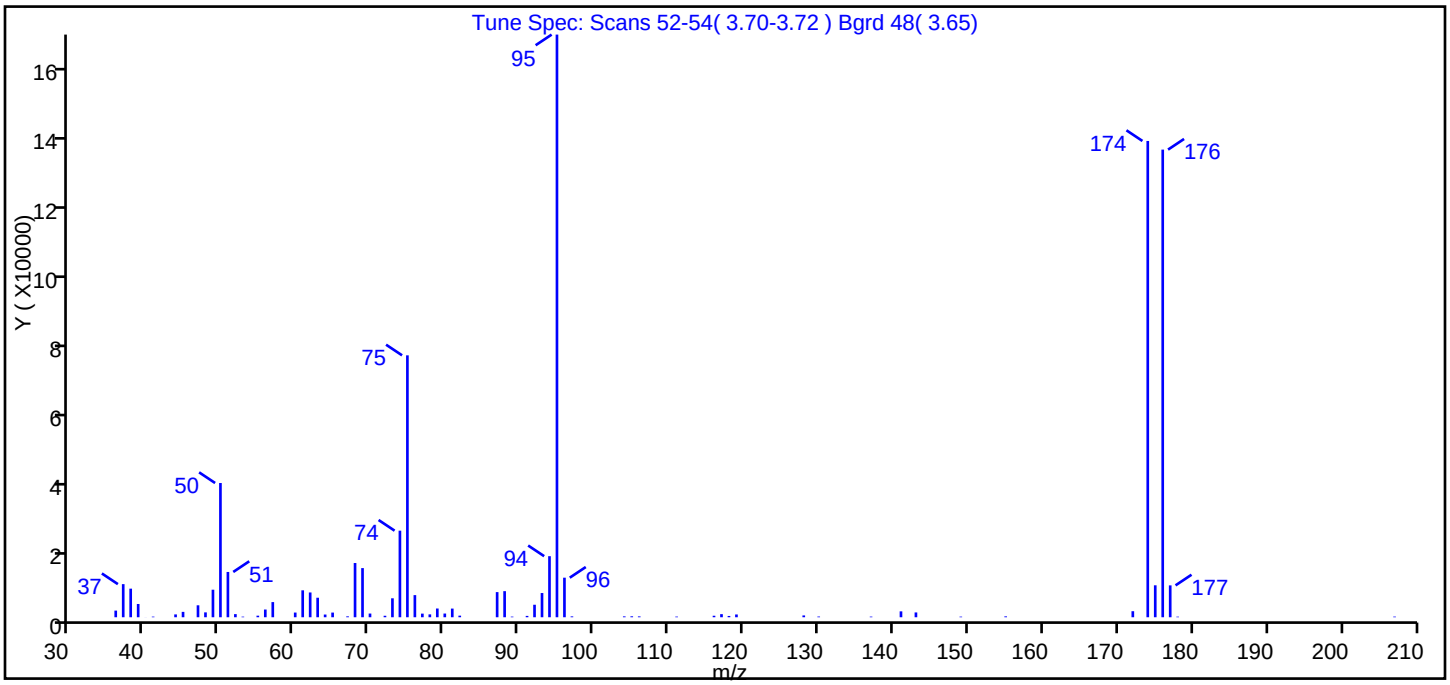
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.709	3.709	0.0	0	604369	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX10\20130408-18651.b\BFB5182.D		
Injection Date:	08-Apr-2013 11:40:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	1
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.04
75	30.00 - 60.00% of mass 95	44.95
96	5.00 - 9.00% of mass 95	6.79
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	81.74
175	5.00 - 9.00% of mass 174	5.48 (6.71)
176	95.00 - 101.00% of mass 174	80.26 (98.18)
177	5.00 - 9.00% of mass 176	5.47 (6.82)

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\BFB5182.D\8260_10.rslt\spectra.d
Injection Date: 08-Apr-2013 11:40:30
Spectrum: Tune Spec: Scans 52-54(3.70-3.72) Bgrd 48(3.65)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1868	60.00	1320	80.00	1043	117.00	873
37.00	9306	61.00	7566	81.00	2437	118.00	360
38.00	8035	62.00	6966	82.00	450	119.00	784
39.00	3727	63.00	5485	87.00	7066	128.00	511
40.00	15	64.00	765	88.00	7332	130.00	203
41.00	181	65.00	1316	89.00	182	137.00	187
44.00	802	67.00	255	91.00	380	141.00	1659
45.00	1514	68.00	15240	92.00	3515	143.00	1353
47.00	3360	69.00	13811	93.00	6806	149.00	179
48.00	1372	70.00	1043	94.00	17160	155.00	250
49.00	7740	72.00	418	95.00	163712	172.00	1699
50.00	37720	73.00	5328	96.00	11118	174.00	133824
51.00	12728	74.00	24328	97.00	243	175.00	8977
52.00	882	75.00	73592	104.00	244	176.00	131392
53.00	175	76.00	6220	105.00	266	177.00	8958
55.00	443	77.00	1022	106.00	242	178.00	169
56.00	2171	78.00	811	111.00	191	207.00	185
57.00	4258	79.00	2457	116.00	424		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\BFB14383.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	01-Apr-2013 13:20:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	240-0018434-001		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	80127	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\8260_14.m		
Last Update:	03-Apr-2013 12:44:46	Calib Date:	01-Apr-2013 20:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK035		
First Level Reviewer: macenczaks		Date:	02-Apr-2013 10:43:28

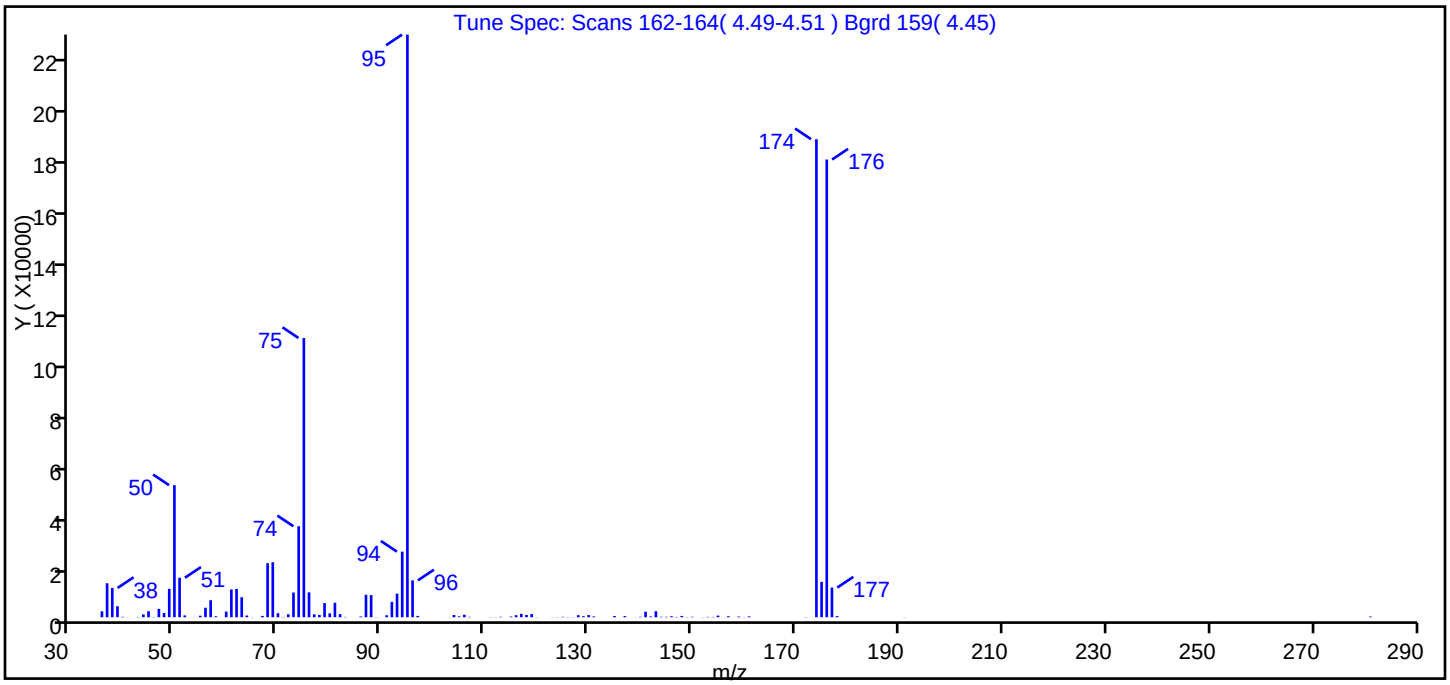
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.502	4.502	0.0	0	510476	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\BFB14383.D		
Injection Date:	01-Apr-2013 13:20:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80127	Lims Sample ID:	1
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.67
75	30.00 - 60.00% of mass 95	47.93
96	5.00 - 9.00% of mass 95	6.33
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	82.05
175	5.00 - 9.00% of mass 174	6.08 (7.41)
176	95.00 - 101.00% of mass 174	78.56 (95.75)
177	5.00 - 9.00% of mass 176	5.10 (6.49)

Report Date: 03-Apr-2013 12:44:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

Data File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\BFB14383.D\8260_14.rslt\spectra.d
Injection Date: 01-Apr-2013 13:20:30
Spectrum: Tune Spec: Scans 162-164(4.49-4.51) Bgrd 159(4.45)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 107

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2255	68.00	20616	103.00	54	141.00	2117
37.00	12962	69.00	20968	104.00	863	142.00	298
38.00	11178	70.00	1549	105.00	334	143.00	2272
39.00	4202	71.00	114	106.00	948	144.00	196
40.00	185	72.00	1137	107.00	163	145.00	176
41.00	50	73.00	9423	111.00	79	146.00	379
43.00	103	74.00	34688	112.00	60	147.00	111
44.00	1075	75.00	106432	113.00	173	148.00	505
45.00	2286	76.00	9495	115.00	278	149.00	63
46.00	74	77.00	1138	116.00	786	150.00	183
47.00	3194	78.00	897	117.00	1307	152.00	56
48.00	1596	79.00	5386	118.00	866	153.00	151
49.00	10819	80.00	1472	119.00	1201	154.00	125
50.00	50336	81.00	5537	120.00	64	155.00	642
51.00	15062	82.00	1187	123.00	56	157.00	387
52.00	705	83.00	134	124.00	54	159.00	280
55.00	584	86.00	300	125.00	175	160.00	55
56.00	3625	87.00	8573	126.00	95	161.00	339
57.00	6493	88.00	8429	127.00	52	172.00	82
58.00	374	89.00	74	128.00	797	174.00	182208
60.00	2180	91.00	762	129.00	402	175.00	13498
61.00	10592	92.00	5880	130.00	837	176.00	174464
62.00	10806	93.00	8993	131.00	334	177.00	11316
63.00	7621	94.00	25008	135.00	486	178.00	441
64.00	671	95.00	222080	137.00	457	191.00	67
65.00	52	96.00	14056	139.00	52	281.00	289
67.00	512	97.00	515	140.00	175		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20130408-18642.b\BFB14389.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	08-Apr-2013 10:13:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	240-0018642-001 =240-0018642-001		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	80954	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m		
Last Update:	09-Apr-2013 16:28:49	Calib Date:	01-Apr-2013 20:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK014		
First Level Reviewer: macenczaks		Date:	08-Apr-2013 12:00:02

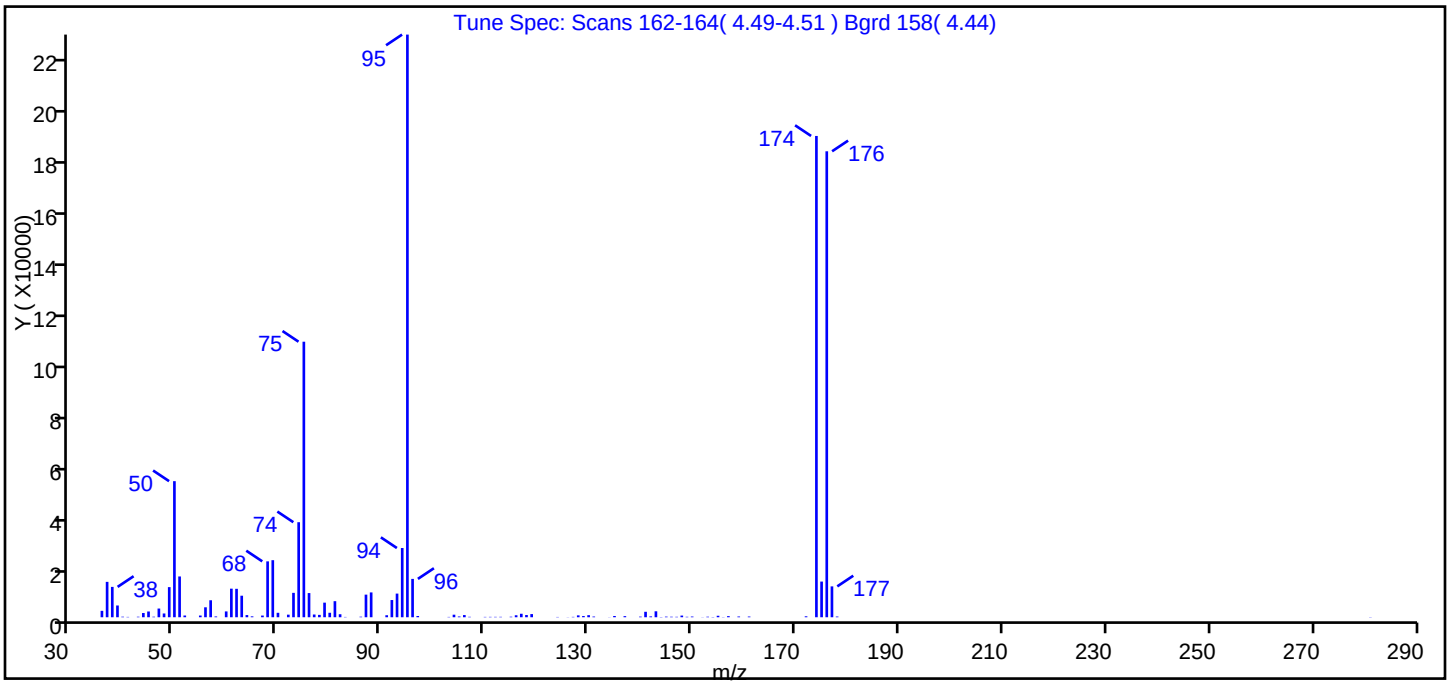
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.502	4.502	0.0	0	538648	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20130408-18642.b\BFB14389.D		
Injection Date:	08-Apr-2013 10:13:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	1
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.36
75	30.00 - 60.00% of mass 95	47.29
96	5.00 - 9.00% of mass 95	6.58
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	82.60
175	5.00 - 9.00% of mass 174	6.12 (7.41)
176	95.00 - 101.00% of mass 174	79.97 (96.82)
177	5.00 - 9.00% of mass 176	5.30 (6.62)

Report Date: 09-Apr-2013 16:28:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\BFB14389.D\8260_14.rslt\spectra.d
Injection Date: 08-Apr-2013 10:13:30
Spectrum: Tune Spec: Scans 162-164(4.49-4.51) Bgrd 158(4.44)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 102

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2493	67.00	659	103.00	132	142.00	334
37.00	13742	68.00	21704	104.00	994	143.00	2319
38.00	11792	69.00	22160	105.00	296	144.00	95
39.00	4569	70.00	1729	106.00	850	145.00	249
40.00	217	72.00	1007	107.00	174	146.00	207
41.00	137	73.00	9476	110.00	142	147.00	178
43.00	208	74.00	36904	111.00	154	148.00	655
44.00	1646	75.00	106992	112.00	160	149.00	179
45.00	2238	76.00	9393	113.00	167	150.00	280
46.00	215	77.00	1068	115.00	216	152.00	53
47.00	3383	78.00	926	116.00	775	153.00	213
48.00	1466	79.00	5671	117.00	1360	154.00	97
49.00	11698	80.00	1740	118.00	867	155.00	580
50.00	52840	81.00	6242	119.00	1234	156.00	70
51.00	15841	82.00	1169	124.00	119	157.00	430
52.00	676	83.00	121	126.00	52	159.00	294
55.00	665	86.00	222	127.00	149	161.00	282
56.00	3864	87.00	8782	128.00	735	172.00	374
57.00	6599	88.00	9642	129.00	468	174.00	186880
58.00	313	91.00	785	130.00	807	175.00	13855
60.00	2271	92.00	6686	131.00	279	176.00	180928
61.00	11103	93.00	9186	134.00	51	177.00	11986
62.00	11042	94.00	26880	135.00	486	178.00	282
63.00	8365	95.00	226240	137.00	429	281.00	81
64.00	847	96.00	14894	140.00	249		
65.00	347	97.00	481	141.00	2124		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-80954/7

Matrix: Solid | Lab File ID: 141832.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/08/2013 12:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 80954 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	2.0	U	20	2.0	1.4
67-64-1	Acetone	6.3	U	20	6.3	6.3
71-43-2	Benzene	0.50	U	5.0	0.50	0.23
75-25-2	Bromoform	0.50	U	5.0	0.50	0.33
74-83-9	Bromomethane	1.0	U	5.0	1.0	0.54
75-15-0	Carbon disulfide	3.10	J	5.0	0.50	0.44
56-23-5	Carbon tetrachloride	0.50	U	5.0	0.50	0.37
75-34-3	1,1-Dichloroethane	0.50	U	5.0	0.50	0.36
108-90-7	Chlorobenzene	0.50	U	5.0	0.50	0.33
107-06-2	1,2-Dichloroethane	0.50	U	5.0	0.50	0.34
74-87-3	Chloromethane	0.50	U	5.0	0.50	0.41
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	0.52
10061-01-5	cis-1,3-Dichloropropene	0.50	U	5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	1.0	U	10	1.0	0.77
124-48-1	Dibromochloromethane	1.0	U	5.0	1.0	0.55
78-87-5	1,2-Dichloropropane	1.0	U	5.0	1.0	0.69
75-27-4	Bromodichloromethane	0.50	U	5.0	0.50	0.28
100-41-4	Ethylbenzene	0.50	U	5.0	0.50	0.26
591-78-6	2-Hexanone	1.0	U	20	1.0	0.63
75-09-2	Methylene Chloride	14.9		5.0	1.0	0.67
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	20	1.0	0.54
100-42-5	Styrene	0.50	U	5.0	0.50	0.15
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	5.0	0.50	0.34
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.52
108-88-3	Toluene	0.50	U	5.0	0.50	0.27
67-66-3	Chloroform	0.50	U	5.0	0.50	0.29
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.54
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.56
74-97-5	Bromochloromethane	1.0	U	5.0	1.0	0.71
79-00-5	1,1,2-Trichloroethane	0.50	U	5.0	0.50	0.39
106-93-4	1,2-Dibromoethane	1.0	U	5.0	1.0	0.50
79-01-6	Trichloroethene	0.50	U	5.0	0.50	0.42
75-01-4	Vinyl chloride	0.50	U	5.0	0.50	0.39
75-00-3	Chloroethane	1.0	U	5.0	1.0	0.86
1330-20-7	Xylenes, Total	1.5	U	10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-80954/7

Matrix: Solid Lab File ID: 141832.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/08/2013 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 80954 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		61-130
2037-26-5	Toluene-d8 (Surr)	89		85-115
460-00-4	4-Bromofluorobenzene (Surr)	86		85-120
1868-53-7	Dibromofluoromethane (Surr)	85		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141832.D
Lims ID: MB Client ID:
Inject. Date: 08-Apr-2013 12:43:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: mb
Misc. Info.: 240-0018642-007 =240-0018642-007
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 80954 Lims Sample ID: 7
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m
Last Update: 09-Apr-2013 16:28:51 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK014

First Level Reviewer: macenczaks Date: 08-Apr-2013 13:03:48

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1187679	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	89	781860	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	352467	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	58	268698	42.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	319505	45.9	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1070476	44.6	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	97	333104	42.8	
133 Benzyl chloride	126		0.000					
136 Hexachloroethane TIC	1		0.000					
135 1,4-Dichlorobutane	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
142 1,3-Diethylbenzene TIC	1		0.000					
141 Isobutylene TIC	1		0.000					
143 1,3-Butadiene TIC	1		0.000					
12 Dichlorodifluoromethane	85		1.453					9
13 Chloromethane	50		1.643					9
14 Vinyl chloride	62		1.761					
15 Bromomethane	94		2.104					
16 Chloroethane	64		2.211					
17 Dichlorofluoromethane	67		2.483					
18 Trichlorofluoromethane	101		2.530					9
25 Methylal	45	2.933	2.932	0.001	59	2679	0	
19 Ethyl ether	59	2.921	2.932	-0.011	61	1607	0.3001	
20 Acrolein	56		3.086					
21 1,1-Dichloroethene	96		3.205					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.228					
22 Acetone	43	3.311	3.323	-0.012	92	18295	5.54	
24 Iodomethane	142		3.406					
26 Carbon disulfide	76	3.477	3.477	0.0	50	551	3.10	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
27 Acetonitrile	41		3.725					
29 3-Chloro-1-propene	76		3.761					
28 Methyl acetate	43	3.844	3.832	0.012	60	2553	0.6288	
30 Methylene Chloride	84	3.962	3.950	0.012	98	95364	14.9	
31 2-Methyl-2-propanol	59		4.270					9
32 Acrylonitrile	53	4.376	4.364	0.012	64	1096	0.5602	
33 trans-1,2-Dichloroethene	96		4.388					9
34 Methyl tert-butyl ether	73		4.423					
35 Hexane	86	4.802	4.802	0.0	74	315	0.1837	
36 1,1-Dichloroethane	63		4.980					
37 Vinyl acetate	86		5.098					
39 2-Chloro-1,3-butadiene	53		5.098					
38 Isopropyl ether	87		5.122					
40 Tert-butyl ethyl ether	59		5.571					
61 Ethyl acrylate	55		5.605					
43 2,2-Dichloropropane	77		5.701					9
42 cis-1,2-Dichloroethene	96		5.713					9
41 2-Butanone (MEK)	43	5.761	5.749	0.012	23	2609	1.08	
44 Propionitrile	54		5.820					
45 Ethyl acetate	43		5.843					9
47 Chlorobromomethane	128		5.985					
46 Methacrylonitrile	41		5.985					9
48 Tetrahydrofuran	42		6.033					
49 Chloroform	83		6.092					9
50 1,1,1-Trichloroethane	97		6.269					
51 Cyclohexane	56		6.317					
52 1,1-Dichloropropene	75		6.435					9
53 Carbon tetrachloride	117		6.435					
54 Isobutyl alcohol	41		6.636					
55 Benzene	78		6.648					9
56 1,2-Dichloroethane	62		6.672					
57 Tert-amyl methyl ether	73		6.790					
58 n-Heptane	100		6.944					
80 Tetrahydrothiophene	60		7.255					9
59 n-Butanol	56		7.263					9
60 Trichloroethene	130		7.287					9
63 Methylcyclohexane	83		7.464					
62 1,2-Dichloropropane	63		7.500					9
65 Dibromomethane	93		7.606					9
64 Methyl methacrylate	41		7.618					9
66 1,4-Dioxane	88		7.630					
67 Dichlorobromomethane	83		7.760					
68 2-Nitropropane	41		7.962					
69 2-Chloroethyl vinyl ether	63		8.032					
70 cis-1,3-Dichloropropene	75		8.163					9
71 4-Methyl-2-pentanone (MIBK)	43		8.305					9
72 Toluene	91	8.459	8.458	0.0	60	2931	0.1112	
73 trans-1,3-Dichloropropene	75		8.648					9
74 Ethyl methacrylate	69		8.731					9
75 1,1,2-Trichloroethane	97		8.813					9
77 Tetrachloroethene	164		8.932					9
76 1,3-Dichloropropane	76		8.955					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
78 2-Hexanone	43	9.026	9.015	0.011	65	1632	0.5182	
132 n-Butyl acetate	43		9.121					14
79 Chlorodibromomethane	129		9.145					
123 Ethylene Dibromide	107	9.251	9.251	0.0	46	436	0.1117	
81 1-Chlorohexane	91	9.642	9.594	0.048	17	1531	0	
82 Chlorobenzene	112		9.665					9
83 1,1,1,2-Tetrachloroethane	131		9.736					
84 Ethylbenzene	106	9.760	9.760	0.0	1	550	0.0624	7
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	80	1747	0.1606	
85 o-Xylene	106		10.186					
86 Styrene	104	10.198	10.198	0.0	51	1818	0.1148	
87 Bromoform	173		10.364					
88 Isopropylbenzene	105		10.494					9
89 Cyclohexanone	55		10.577					
90 1,1,2,2-Tetrachloroethane	83		10.742					9
91 Bromobenzene	156		10.766					9
93 trans-1,4-Dichloro-2-butene	53		10.789					9
92 1,2,3-Trichloropropane	110		10.789					
94 N-Propylbenzene	120		10.849					9
95 2-Chlorotoluene	126	10.920	10.920	0.0	20	493	0.0773	7
96 1,3,5-Trimethylbenzene	105		10.991					9
104 4-Chlorotoluene	126		11.014					9
97 tert-Butylbenzene	119		11.275					9
98 1,2,4-Trimethylbenzene	105		11.310					9
99 sec-Butylbenzene	105		11.452					9
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	9	2472	0.2001	
101 4-Isopropyltoluene	119		11.570					
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	28	3263	0.2624	
103 1,2,3-Trimethylbenzene	105		11.665					9
105 n-Butylbenzene	91	11.914	11.914	0.0	59	2903	0.1418	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	52	2324	0.2052	
107 1,2-Dibromo-3-Chloropropane	157		12.600					
108 1,3,5-Trichlorobenzene	180		12.778					9
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	61	2921	0.4096	
110 Hexachlorobutadiene	225		13.405					9
111 Naphthalene	128	13.476	13.476	0.0	82	9245	0.6648	
112 1,2,3-Trichlorobenzene	180		13.665					
113 2-Methylnaphthalene	142		14.351					9
A 140 C6-C10	1	7.589	3.915 - 11.263		0	1481975	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	1787136	0	
S 137 Trihalomethanes, Total	1		0.000					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106				0		0.1606	

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

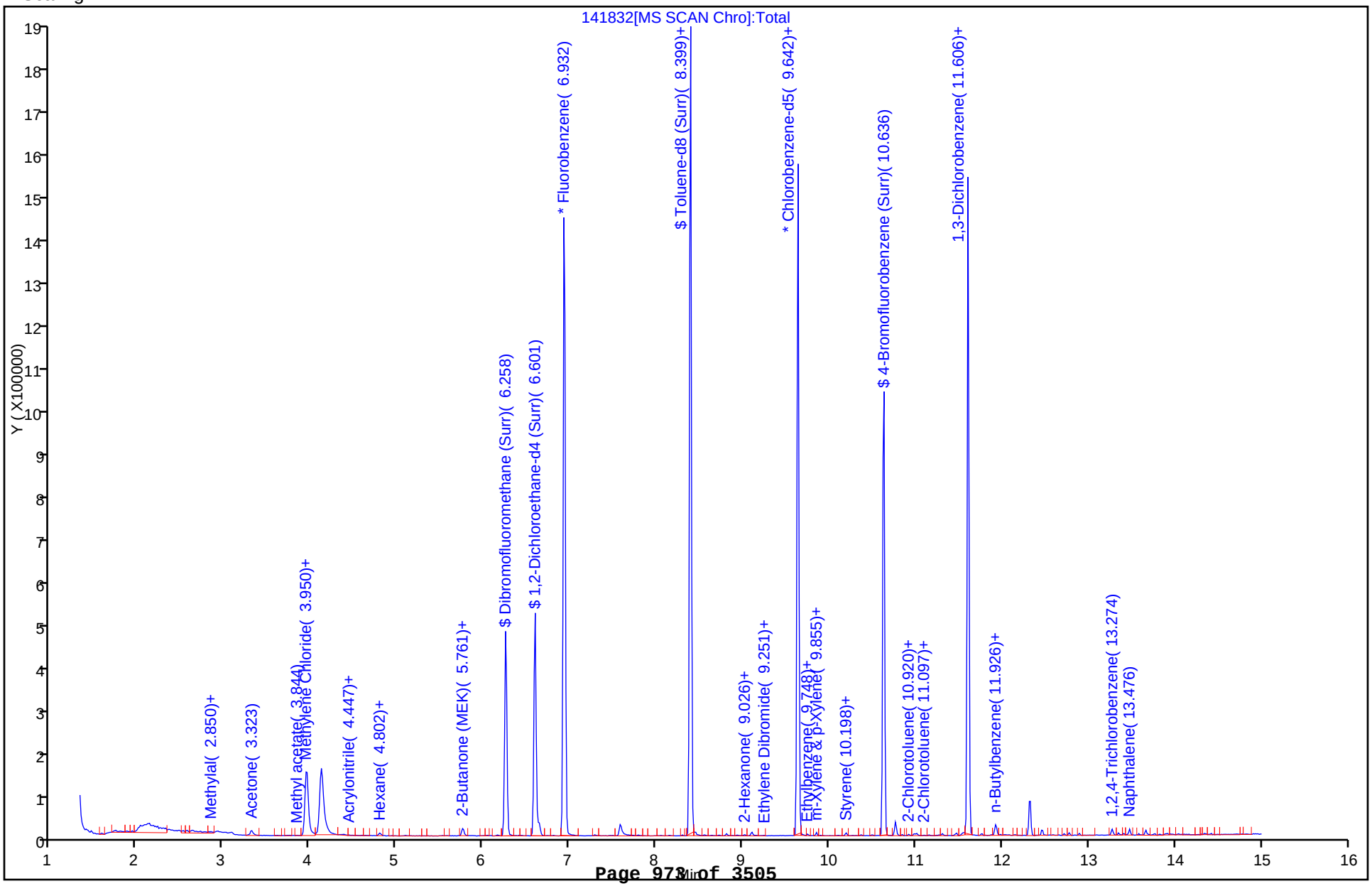
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TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141832.D

Injection Date:	08-Apr-2013 12:43:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



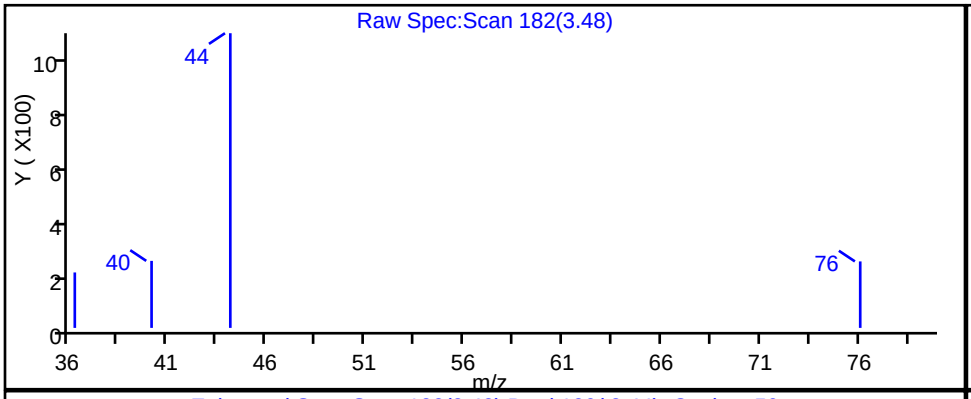
Report Date: 09-Apr-2013 16:28:55 Chrom Revision: 2.0 01-Apr-2013 21:16:10

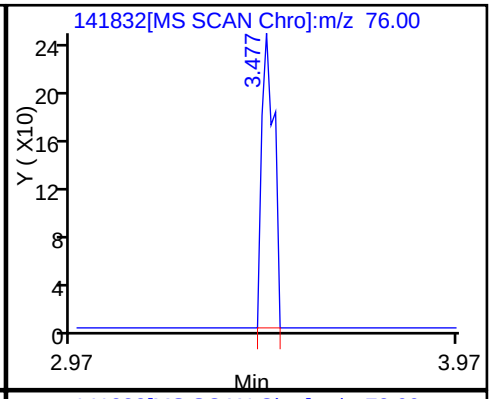
TestAmerica Canton

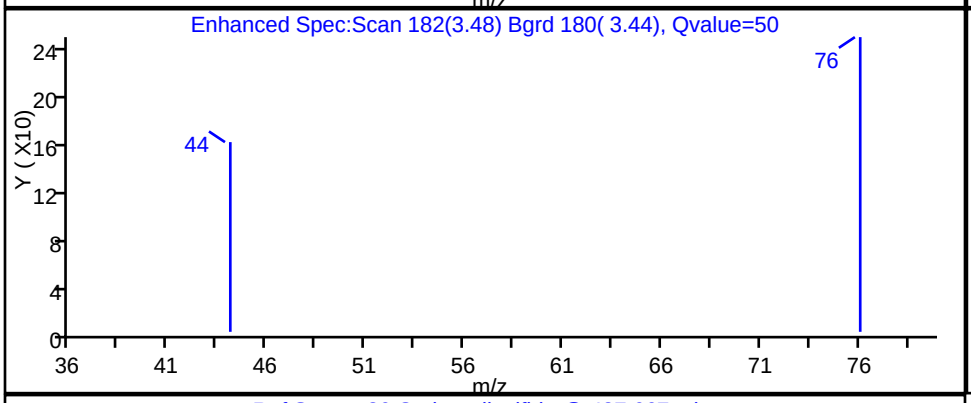
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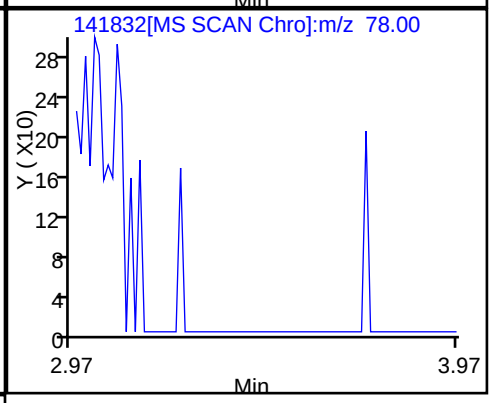
Injection Date:	08-Apr-2013 12:43:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

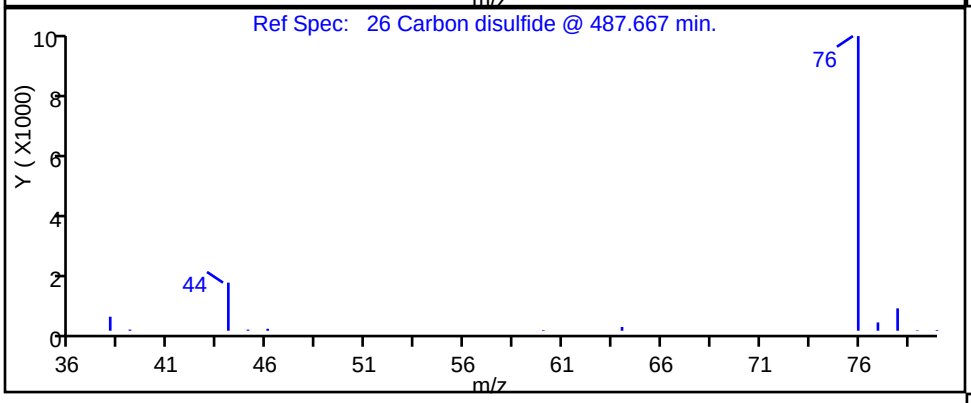
26 Carbon disulfide

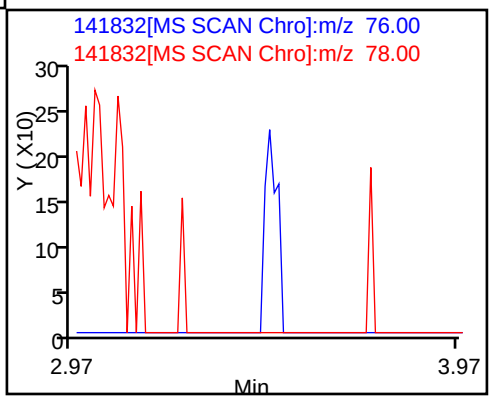












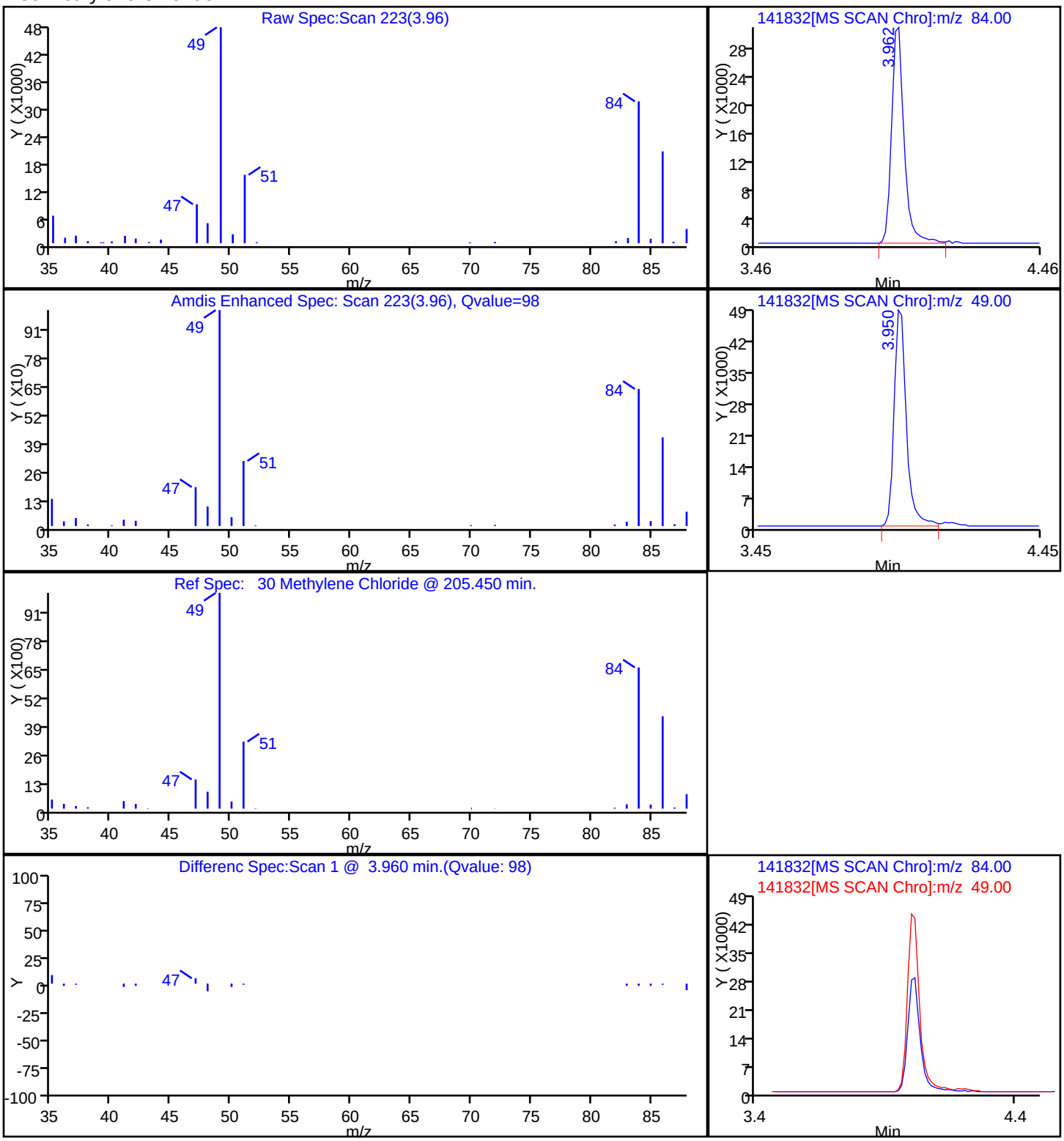
Report Date: 09-Apr-2013 16:28:55 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141832.D

Injection Date:	08-Apr-2013 12:43:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-81013/6

Matrix: Water | Lab File ID: UXR3284.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2013 13:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 81013 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
67-64-1	Acetone	1.1	U	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	0.50	U	1.0	0.50	0.33
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
67-66-3	Chloroform	0.25	U	1.0	0.25	0.16
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-81013/6

Matrix: Water Lab File ID: UXR3284.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 13:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 81013 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		70-120
2037-26-5	Toluene-d8 (Surr)	90		85-120
460-00-4	4-Bromofluorobenzene (Surr)	81		75-120
1868-53-7	Dibromofluoromethane (Surr)	98		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3284.D
Lims ID: MB Client ID:
Inject. Date: 08-Apr-2013 13:34:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0018651-006
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 81013 Lims Sample ID: 6
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130408-18651.b\8260_10.m
Last Update: 09-Apr-2013 08:43:29 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK021

First Level Reviewer: quayler Date: 08-Apr-2013 14:43:17

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.200	5.200	0.0	99	1900087	10.0	
* 2 Chlorobenzene-d5	117	7.874	7.874	0.0	87	1259469	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.122	10.122	0.0	95	588716	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.632	4.629	0.003	60	429975	9.81	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.916	4.913	0.003	0	529108	9.21	
$ 7 Toluene-d8 (Surr)	98	6.561	6.570	-0.009	94	1572872	8.97	
$ 8 4-Bromofluorobenzene (Surr)	95	8.986	8.984	0.002	89	538766	8.15	
143 1,3-Diethylbenzene TIC	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
11 C6-C10	1		0.000					
12 Dichlorodifluoromethane	85		1.553					
13 Chloromethane	50		1.695					9
14 Vinyl chloride	62		1.789					
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94		2.085					
17 Chloroethane	64		2.168					9
18 Dichlorofluoromethane	67		2.325					
19 Trichlorofluoromethane	101		2.393					
20 Ethyl ether	59		2.597					
21 Acrolein	56		2.700					9
23 1,1-Dichloroethene	96		2.807					
24 Acetone	43		2.819					
25 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.819					
22 Methylal	45		2.851					9
26 Iodomethane	142		2.937					
27 Carbon disulfide	76		3.008					
28 Acetonitrile	41		3.044					9
29 3-Chloro-1-propene	76		3.094					
30 Methyl acetate	43		3.103					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 Methylene Chloride	84	3.200	3.197	0.003	93	55687	0.2971	
32 2-Methyl-2-propanol	59	3.271	3.257	0.014	49	1551	0.8378	
33 Acrylonitrile	53		3.375					
35 Methyl tert-butyl ether	73		3.422					
34 trans-1,2-Dichloroethene	96		3.422					
36 Hexane	86		3.659					
37 1,1-Dichloroethane	63		3.765					
38 Vinyl acetate	86		3.789					
39 Isopropyl ether	87		3.816					
40 2-Chloro-1,3-butadiene	53		3.851					
41 Tert-butyl ethyl ether	59		4.111					
43 cis-1,2-Dichloroethene	96		4.239					
42 2-Butanone (MEK)	43		4.239					
44 2,2-Dichloropropane	77		4.251					
45 Propionitrile	54		4.277					
46 Ethyl acetate	43		4.289					9
47 Methacrylonitrile	41		4.407					
48 Chlorobromomethane	128		4.440					
49 Tetrahydrofuran	42		4.487					
50 Chloroform	83		4.499					9
51 1,1,1-Trichloroethane	97		4.677					
52 Cyclohexane	56		4.736					
53 1,1-Dichloropropene	75		4.807					
54 Carbon tetrachloride	117		4.819					
55 Isobutyl alcohol	41		4.845					
56 1,2-Dichloroethane	62		4.972					
57 Benzene	78		4.984					
58 Tert-amyl methyl ether	73		5.058					
59 n-Heptane	100		5.188					
60 n-Butanol	56		5.401					
61 Trichloroethene	130		5.517					
62 Ethyl acrylate	55		5.605					
64 1,2-Dichloropropane	63		5.694					
63 Methylcyclohexane	83		5.694					9
65 Methyl methacrylate	41		5.768					
67 1,4-Dioxane	88		5.801					
66 Dibromomethane	93		5.801					
68 Dichlorobromomethane	83		5.919					
69 2-Nitropropane	41		6.111					
70 2-Chloroethyl vinyl ether	63		6.168					
71 cis-1,3-Dichloropropene	75		6.309					
72 4-Methyl-2-pentanone (MIBK)	43		6.440					
73 Toluene	91		6.629					9
74 trans-1,3-Dichloropropene	75		6.795					
75 Ethyl methacrylate	69		6.866					
76 1,1,2-Trichloroethane	97		6.960					
77 1,3-Dichloropropane	76		7.114					
78 Tetrachloroethene	164		7.126					
79 2-Hexanone	43		7.185					9
80 n-Butyl acetate	56		7.294					
81 Chlorodibromomethane	129		7.327					
82 Tetrahydrothiophene	60		7.346					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
83 Ethylene Dibromide	107		7.445					
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112		7.907					
86 1,1,1,2-Tetrachloroethane	131		7.966					
87 Ethylbenzene	106		8.002					
88 m-Xylene & p-Xylene	106		8.108					9
89 o-Xylene	106		8.487					
90 Styrene	104		8.499					9
91 Bromoform	173		8.676					
92 Isopropylbenzene	105		8.842					9
94 Cyclohexanone	55		8.927					9
93 1,4-Dichlorobutane	55		8.931					9
95 1,1,2,2-Tetrachloroethane	83		9.102					
96 Bromobenzene	156		9.138					
97 1,2,3-Trichloropropane	110		9.161					
98 trans-1,4-Dichloro-2-butene	53		9.161					
99 N-Propylbenzene	120		9.244					
100 2-Chlorotoluene	126		9.327					
101 1,3,5-Trimethylbenzene	105		9.410					
102 4-Chlorotoluene	126		9.433					
103 tert-Butylbenzene	119		9.729					9
104 1,2,4-Trimethylbenzene	105		9.777					9
105 sec-Butylbenzene	105		9.942					9
106 1,3-Dichlorobenzene	146		10.060					9
107 4-Isopropyltoluene	119		10.084					9
108 1,4-Dichlorobenzene	146		10.143					9
109 1,2,3-Trimethylbenzene	105		10.193					9
110 n-Butylbenzene	91		10.498					9
111 1,2-Dichlorobenzene	146		10.510					9
112 1,2-Dibromo-3-Chloropropane	157		11.279					
113 1,3,5-Trichlorobenzene	180		11.504					9
114 1,2,4-Trichlorobenzene	180		12.119					9
115 Hexachlorobutadiene	225		12.297					
116 Naphthalene	128	12.359	12.368	-0.009	58	19573	0.2170	
117 1,2,3-Trichlorobenzene	180	12.619	12.616	0.003	34	9091	0.2591	
118 2-Methylnaphthalene	142		13.669					
S 119 Trihalomethanes, Total	1		0.000					7
S 120 1,2-Dichloroethene, Total	96		1.140					7
S 121 1,3-Dichloropropene, Total	75		6.760					7
S 122 Xylenes, Total	106		16.530					7
T 144 Isobutylene TIC	1		1.900					1
T 145 1,3-Butadiene TIC	1		2.100					1
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

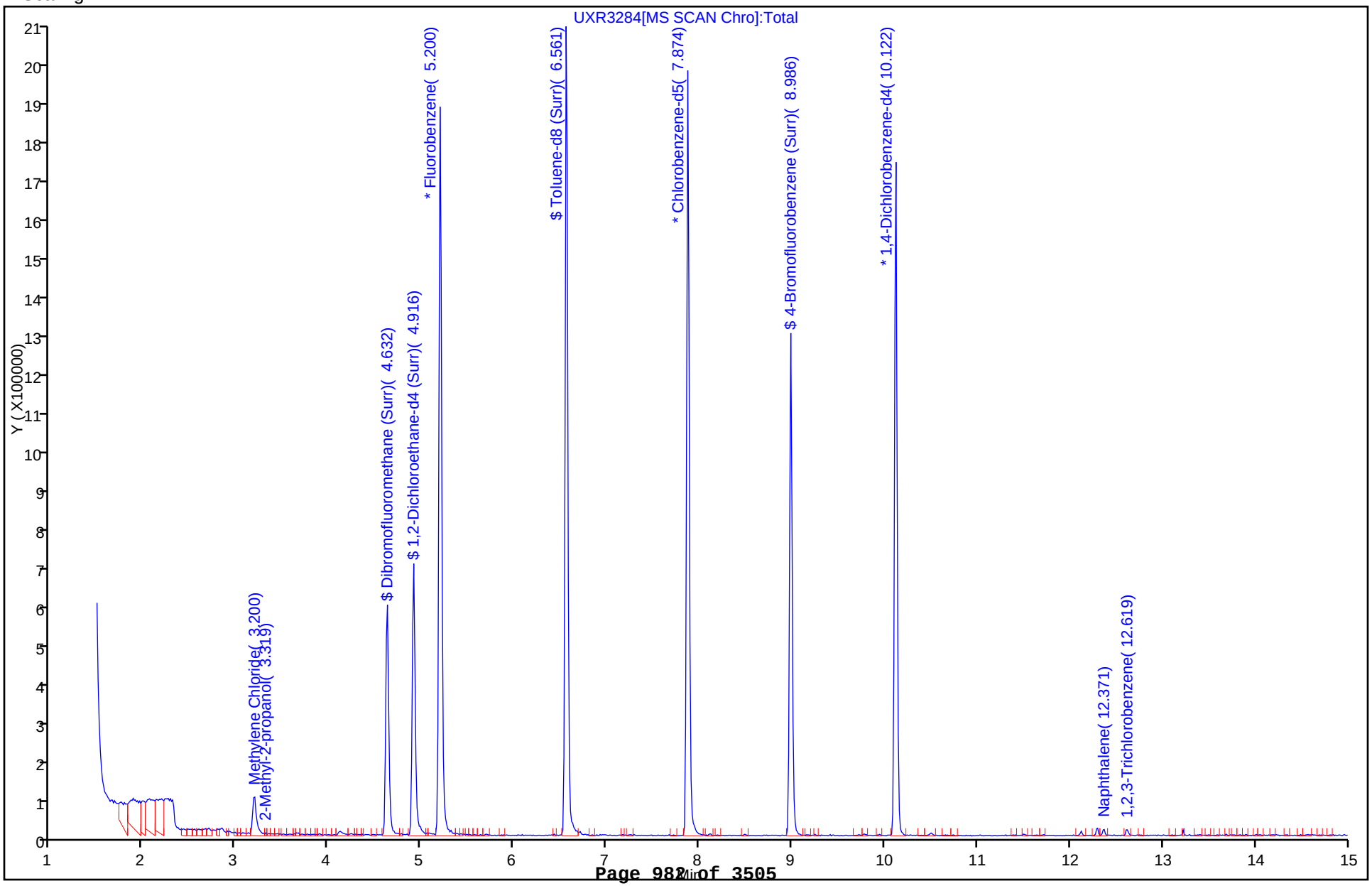
Report Date: 09-Apr-2013 08:43:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3284.D

Injection Date:	08-Apr-2013 13:34:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-80954/6

Matrix: Solid | Lab File ID: 141831.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/08/2013 12:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 80954 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	92.3		20	2.0	1.4
67-64-1	Acetone	103		20	6.3	6.3
71-43-2	Benzene	50.6		5.0	0.50	0.23
75-25-2	Bromoform	42.9		5.0	0.50	0.33
74-83-9	Bromomethane	54.5		5.0	1.0	0.54
75-15-0	Carbon disulfide	47.4		5.0	0.50	0.44
56-23-5	Carbon tetrachloride	51.9		5.0	0.50	0.37
75-34-3	1,1-Dichloroethane	50.8		5.0	0.50	0.36
108-90-7	Chlorobenzene	47.9		5.0	0.50	0.33
107-06-2	1,2-Dichloroethane	49.3		5.0	0.50	0.34
74-87-3	Chloromethane	45.2		5.0	0.50	0.41
75-35-4	1,1-Dichloroethene	54.8		5.0	1.0	0.52
10061-01-5	cis-1,3-Dichloropropene	44.8		5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	104		10	1.0	0.77
124-48-1	Dibromochloromethane	42.5		5.0	1.0	0.55
78-87-5	1,2-Dichloropropane	50.9		5.0	1.0	0.69
75-27-4	Bromodichloromethane	44.0		5.0	0.50	0.28
100-41-4	Ethylbenzene	50.1		5.0	0.50	0.26
591-78-6	2-Hexanone	90.6		20	1.0	0.63
75-09-2	Methylene Chloride	62.8		5.0	1.0	0.67
108-10-1	4-Methyl-2-pentanone (MIBK)	93.2		20	1.0	0.54
100-42-5	Styrene	50.2		5.0	0.50	0.15
79-34-5	1,1,2,2-Tetrachloroethane	50.6		5.0	0.50	0.34
127-18-4	Tetrachloroethene	51.0		5.0	1.0	0.52
108-88-3	Toluene	49.8		5.0	0.50	0.27
67-66-3	Chloroform	51.8		5.0	0.50	0.29
10061-02-6	trans-1,3-Dichloropropene	44.9		5.0	1.0	0.54
71-55-6	1,1,1-Trichloroethane	51.9		5.0	1.0	0.56
74-97-5	Bromochloromethane	51.6		5.0	1.0	0.71
79-00-5	1,1,2-Trichloroethane	48.7		5.0	0.50	0.39
106-93-4	1,2-Dibromoethane	49.9		5.0	1.0	0.50
79-01-6	Trichloroethene	49.1		5.0	0.50	0.42
75-01-4	Vinyl chloride	50.5		5.0	0.50	0.39
75-00-3	Chloroethane	58.4		5.0	1.0	0.86
1330-20-7	Xylenes, Total	147		10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-80954/6

Matrix: Solid Lab File ID: 141831.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/08/2013 12:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 80954 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		61-130
2037-26-5	Toluene-d8 (Surr)	89		85-115
460-00-4	4-Bromofluorobenzene (Surr)	89		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141831.D
Lims ID: LCS Client ID:
Inject. Date: 08-Apr-2013 12:22:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: lcs
Misc. Info.: 240-0018642-006 =240-0018642-006
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 80954 Lims Sample ID: 6
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m
Last Update: 09-Apr-2013 16:28:51 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK014

First Level Reviewer: macenczaks Date: 08-Apr-2013 12:42:40

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	100	1201774	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	820522	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	371857	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	77	290919	45.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	98	320128	45.4	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1122071	44.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	95	362397	44.3	
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	98	307223	44.8	
13 Chloromethane	50	1.643	1.643	0.0	100	401307	45.2	
14 Vinyl chloride	62	1.761	1.761	0.0	99	360762	50.5	
15 Bromomethane	94	2.104	2.104	0.0	91	127563	54.5	
16 Chloroethane	64	2.211	2.211	0.0	97	193870	58.4	
18 Trichlorofluoromethane	101	2.530	2.530	0.0	99	509700	55.9	
20 Acrolein	56	3.086	3.086	0.0	96	417592	546.0	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	302131	54.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.228	3.228	0.0	94	257196	53.1	
22 Acetone	43	3.311	3.323	-0.012	98	166571	102.8	
24 Iodomethane	142	3.394	3.406	-0.012	98	496085	55.2	
26 Carbon disulfide	76	3.477	3.477	0.0	100	768036	47.4	
27 Acetonitrile	41	3.725	3.725	0.0	99	275734	428.1	
28 Methyl acetate	43	3.832	3.832	0.0	97	398934	97.1	
30 Methylene Chloride	84	3.950	3.950	0.0	99	406644	62.8	
31 2-Methyl-2-propanol	59	4.258	4.270	-0.012	93	318245	777.4	
32 Acrylonitrile	53	4.364	4.364	0.0	99	193173	97.6	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	337061	53.1	
34 Methyl tert-butyl ether	73	4.412	4.423	-0.011	93	682171	47.6	
35 Hexane	86	4.802	4.802	0.0	96	91427	52.7	
36 1,1-Dichloroethane	63	4.980	4.980	0.0	97	602225	50.8	
37 Vinyl acetate	86	5.098	5.098	0.0	97	45285	48.6	
43 2,2-Dichloropropane	77	5.701	5.701	0.0	82	268807	48.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	86	350377	51.2	
41 2-Butanone (MEK)	43	5.749	5.749	0.0	93	225503	92.3	
47 Chlorobromomethane	128	5.985	5.985	0.0	97	158005	51.6	
48 Tetrahydrofuran	42	6.033	6.033	0.0	89	73076	43.8	
49 Chloroform	83	6.092	6.092	0.0	96	532465	51.8	
50 1,1,1-Trichloroethane	97	6.258	6.269	-0.011	94	413884	51.9	
51 Cyclohexane	56	6.317	6.317	0.0	94	643136	53.7	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	461697	56.2	
53 Carbon tetrachloride	117	6.435	6.435	0.0	91	400718	51.9	
55 Benzene	78	6.648	6.648	0.0	98	1289839	50.6	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	95	404419	49.3	
60 Trichloroethene	130	7.287	7.287	0.0	96	365713	49.1	
63 Methylcyclohexane	83	7.465	7.464	0.001	96	549329	50.6	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	94	324185	50.9	
65 Dibromomethane	93	7.607	7.606	0.001	94	153874	51.0	
66 1,4-Dioxane	88	7.630	7.630	0.0	97	98778	2165.4	
67 Dichlorobromomethane	83	7.760	7.760	0.0	97	318906	44.0	
69 2-Chloroethyl vinyl ether	63	8.033	8.032	0.001	93	168423	69.6	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	90	394853	44.8	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	98	464336	93.2	
72 Toluene	91	8.458	8.458	0.0	97	1376651	49.8	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	99	308792	44.9	
74 Ethyl methacrylate	69	8.731	8.731	0.0	92	278494	50.6	
75 1,1,2-Trichloroethane	97	8.802	8.813	-0.011	95	206669	48.7	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	290117	51.0	
76 1,3-Dichloropropane	76	8.955	8.955	0.0	96	366079	48.2	
78 2-Hexanone	43	9.015	9.015	0.0	98	299361	90.6	
79 Chlorodibromomethane	129	9.145	9.145	0.0	90	203845	42.5	
123 Ethylene Dibromide	107	9.251	9.251	0.0	98	204224	49.9	
82 Chlorobenzene	112	9.665	9.665	0.0	93	820662	47.9	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	94	272079	49.5	
84 Ethylbenzene	106	9.760	9.760	0.0	98	464174	50.1	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	99	1113267	97.5	
85 o-Xylene	106	10.186	10.186	0.0	94	532587	49.3	
86 Styrene	104	10.198	10.198	0.0	90	833547	50.2	
87 Bromoform	173	10.364	10.364	0.0	97	98677	42.9	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	1424105	49.9	
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	96	219865	50.6	
91 Bromobenzene	156	10.766	10.766	0.0	92	316227	48.0	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.789	0.001	86	66144	47.0	
92 1,2,3-Trichloropropane	110	10.790	10.789	0.001	73	68575	46.4	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	393935	50.2	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	333985	49.6	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	94	1129633	50.3	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	331558	48.4	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	1055493	49.9	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	1109177	48.6	
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	1479109	50.8	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	92	598376	45.9	
101 4-Isopropyltoluene	119	11.571	11.570	0.001	89	1196971	47.9	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	94	603369	46.0	
105 n-Butylbenzene	91	11.914	11.914	0.0	97	1060708	49.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	99	542069	45.4	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	77	26042	42.6	
108 1,3,5-Trichlorobenzene	180	12.777	12.778	-0.001	98	371056	42.6	
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	95	292805	38.9	
110 Hexachlorobutadiene	225	13.416	13.405	0.011	98	153576	40.4	
111 Naphthalene	128	13.476	13.476	0.0	97	547967	37.3	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	97	220194	40.2	
S 11 1,2-Dichloroethene, Total	96				0		104.3	
S 114 Xylenes, Total	106				0		146.8	

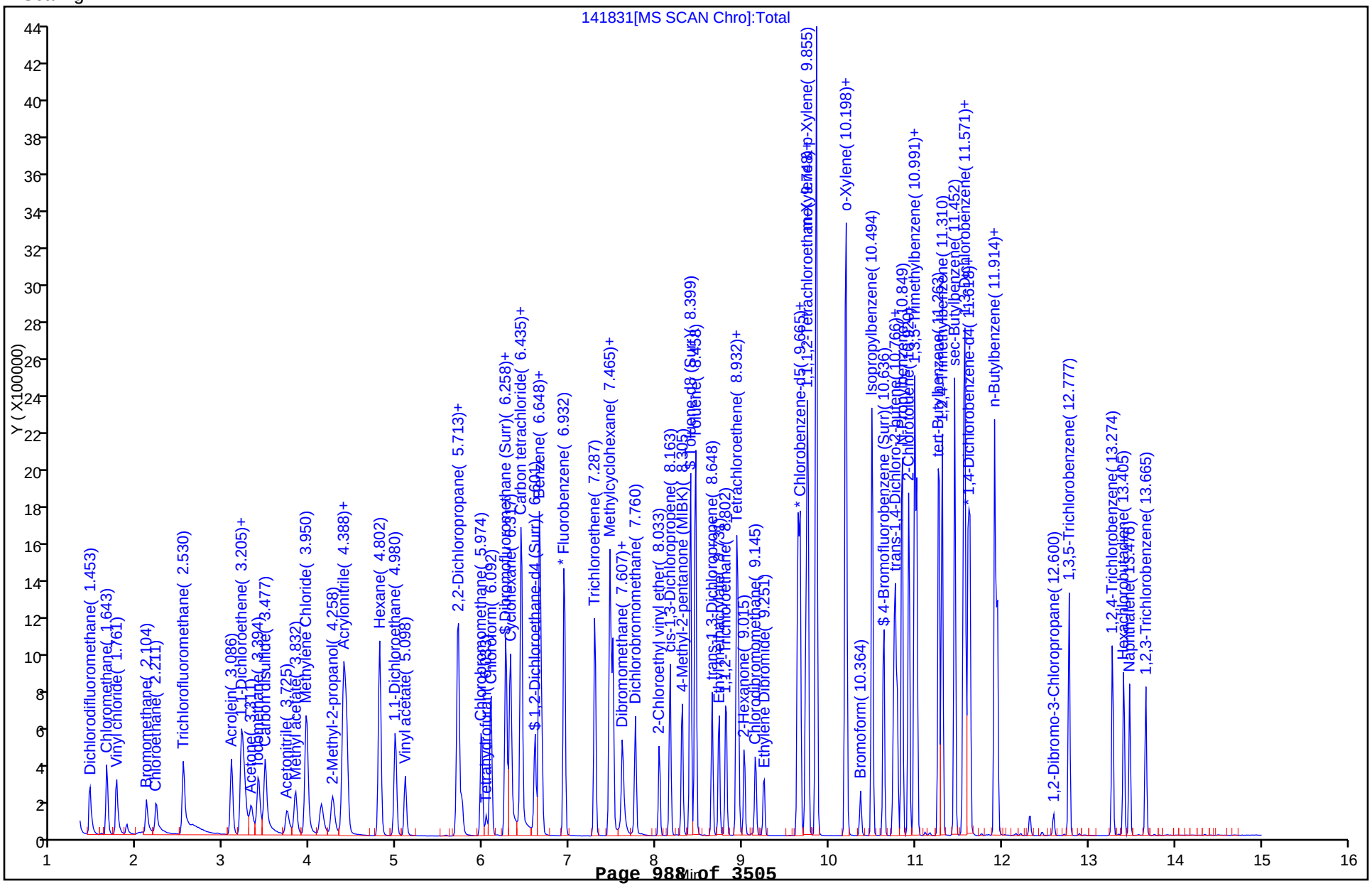
Report Date: 09-Apr-2013 16:28:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141831.D

Injection Date:	08-Apr-2013 12:22:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	6
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-81013/4

Matrix: Water | Lab File ID: UXR3282.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2013 12:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 81013 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	20.0		10	0.57	0.57
67-64-1	Acetone	15.5		10	1.1	1.1
71-43-2	Benzene	9.89		1.0	0.25	0.13
75-25-2	Bromoform	10.7		1.0	0.64	0.64
74-83-9	Bromomethane	6.68		1.0	0.50	0.41
75-15-0	Carbon disulfide	9.29		1.0	0.25	0.13
56-23-5	Carbon tetrachloride	9.52		1.0	0.25	0.13
75-34-3	1,1-Dichloroethane	9.63		1.0	0.25	0.15
108-90-7	Chlorobenzene	9.72		1.0	0.25	0.15
107-06-2	1,2-Dichloroethane	10.1		1.0	0.25	0.22
74-87-3	Chloromethane	9.84		1.0	0.50	0.30
75-35-4	1,1-Dichloroethene	9.25		1.0	0.25	0.19
10061-01-5	cis-1,3-Dichloropropene	9.36		1.0	0.25	0.14
540-59-0	1,2-Dichloroethene, Total	19.0		2.0	0.50	0.34
124-48-1	Dibromochloromethane	10.6		1.0	0.25	0.18
78-87-5	1,2-Dichloropropane	9.98		1.0	0.25	0.18
75-27-4	Bromodichloromethane	10.6		1.0	0.25	0.15
100-41-4	Ethylbenzene	9.51		1.0	0.25	0.17
591-78-6	2-Hexanone	21.2		10	0.50	0.41
1634-04-4	Methyl tert-butyl ether	10.2		1.0	0.25	0.17
75-09-2	Methylene Chloride	9.88		1.0	0.50	0.33
108-10-1	4-Methyl-2-pentanone (MIBK)	22.0		10	0.50	0.32
100-42-5	Styrene	10.1		1.0	0.25	0.11
79-34-5	1,1,2,2-Tetrachloroethane	10.2		1.0	0.25	0.18
127-18-4	Tetrachloroethene	9.51		1.0	0.50	0.29
108-88-3	Toluene	9.42		1.0	0.25	0.13
67-66-3	Chloroform	9.60		1.0	0.25	0.16
10061-02-6	trans-1,3-Dichloropropene	9.71		1.0	0.25	0.19
71-55-6	1,1,1-Trichloroethane	9.36		1.0	0.25	0.22
74-97-5	Bromochloromethane	10.0		1.0	0.50	0.29
79-00-5	1,1,2-Trichloroethane	10.3		1.0	0.50	0.27
106-93-4	1,2-Dibromoethane	10.2		1.0	0.25	0.24
79-01-6	Trichloroethene	10.2		1.0	0.25	0.17
75-01-4	Vinyl chloride	9.88		1.0	0.25	0.22
75-00-3	Chloroethane	8.71		1.0	0.50	0.29
1330-20-7	Xylenes, Total	29.4		2.0	0.75	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-81013/4

Matrix: Water Lab File ID: UXR3282.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 12:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 81013 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		70-120
2037-26-5	Toluene-d8 (Surr)	94		85-120
460-00-4	4-Bromofluorobenzene (Surr)	100		75-120
1868-53-7	Dibromofluoromethane (Surr)	94		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3282.D
Lims ID: LCS Client ID:
Inject. Date: 08-Apr-2013 12:50:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0018651-004
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 81013 Lims Sample ID: 4
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130408-18651.b\8260_10.m
Last Update: 09-Apr-2013 08:43:29 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK021

First Level Reviewer: quayler Date: 08-Apr-2013 13:08:07

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.197	5.200	-0.003	99	1833691	10.0	
* 2 Chlorobenzene-d5	117	7.872	7.874	-0.002	87	1294647	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.120	10.122	-0.002	88	729378	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.629	4.629	0.0	58	397048	9.39	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.913	4.913	0.0	0	505568	9.11	
$ 7 Toluene-d8 (Surr)	98	6.558	6.570	-0.012	93	1692166	9.39	
$ 8 4-Bromofluorobenzene (Surr)	95	8.984	8.984	0.0	87	679581	10.0	
12 Dichlorodifluoromethane	85	1.553	1.553	0.0	98	350115	8.79	
13 Chloromethane	50	1.695	1.695	0.0	99	1041514	9.84	
14 Vinyl chloride	62	1.789	1.789	0.0	97	702761	9.88	
16 Bromomethane	94	2.085	2.085	0.0	86	177467	6.68	
17 Chloroethane	64	2.168	2.168	0.0	98	344619	8.71	
19 Trichlorofluoromethane	101	2.381	2.393	-0.012	97	487720	9.59	
20 Ethyl ether	59	2.594	2.597	-0.003	97	488730	10.3	
21 Acrolein	56	2.701	2.700	0.001	90	234699	34.2	
23 1,1-Dichloroethene	96	2.807	2.807	0.0	95	440484	9.25	
24 Acetone	43	2.819	2.819	0.0	52	201188	15.5	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.831	2.819	0.012	92	397020	11.1	
26 Iodomethane	142	2.937	2.937	0.0	96	707035	9.39	
27 Carbon disulfide	76	3.008	3.008	0.0	100	1491967	9.29	
28 Acetonitrile	41	3.044	3.044	0.0	98	91896	26.1	
30 Methyl acetate	43	3.091	3.103	-0.012	91	485973	12.2	
31 Methylene Chloride	84	3.186	3.197	-0.011	93	570763	9.88	
32 2-Methyl-2-propanol	59	3.257	3.257	0.0	91	324098	181.4	
33 Acrylonitrile	53	3.375	3.375	0.0	99	621238	32.3	
35 Methyl tert-butyl ether	73	3.422	3.422	0.0	91	1170249	10.2	
34 trans-1,2-Dichloroethene	96	3.422	3.422	0.0	93	527510	9.41	
36 Hexane	86	3.659	3.659	0.0	96	112369	10.2	
37 1,1-Dichloroethane	63	3.766	3.765	0.001	97	1014709	9.63	
38 Vinyl acetate	86	3.789	3.789	0.0	96	81810	9.29	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
39 Isopropyl ether	87	3.813	3.816	-0.003	98	439677	10.0	
43 cis-1,2-Dichloroethene	96	4.239	4.239	0.0	86	554318	9.63	
42 2-Butanone (MEK)	43	4.239	4.239	0.0	56	428905	20.0	
44 2,2-Dichloropropane	77	4.251	4.251	0.0	81	498107	10.1	
48 Chlorobromomethane	128	4.440	4.440	0.0	90	257977	10.0	
49 Tetrahydrofuran	42	4.487	4.487	0.0	74	149048	10.3	
50 Chloroform	83	4.499	4.499	0.0	96	820790	9.60	
51 1,1,1-Trichloroethane	97	4.665	4.677	-0.012	90	626479	9.36	
52 Cyclohexane	56	4.736	4.736	0.0	92	1081630	9.36	
53 1,1-Dichloropropene	75	4.807	4.807	0.0	92	655093	9.91	
54 Carbon tetrachloride	117	4.819	4.819	0.0	93	513018	9.52	
55 Isobutyl alcohol	41	4.842	4.845	-0.003	88	616870	543.0	
56 1,2-Dichloroethane	62	4.973	4.972	0.0	55	713727	10.1	
57 Benzene	78	4.973	4.984	-0.012	96	2085101	9.89	
61 Trichloroethene	130	5.517	5.517	0.0	97	531187	10.2	
64 1,2-Dichloropropane	63	5.694	5.694	0.0	76	547959	9.98	
63 Methylcyclohexane	83	5.694	5.694	0.0	87	679416	9.13	
66 Dibromomethane	93	5.801	5.801	0.0	88	272618	10.6	
68 Dichlorobromomethane	83	5.919	5.919	0.0	98	571000	10.6	
70 2-Chloroethyl vinyl ether	63	6.168	6.168	0.0	88	261285	10.1	
71 cis-1,3-Dichloropropene	75	6.310	6.309	0.001	88	622375	9.36	
72 4-Methyl-2-pentanone (MIBK)	43	6.440	6.440	0.0	98	962865	22.0	
73 Toluene	91	6.617	6.629	-0.012	97	2133138	9.42	
74 trans-1,3-Dichloropropene	75	6.795	6.795	0.0	97	565514	9.71	
76 1,1,2-Trichloroethane	97	6.960	6.960	0.0	94	414934	10.3	
77 1,3-Dichloropropane	76	7.114	7.114	0.0	98	717106	10.1	
78 Tetrachloroethene	164	7.126	7.126	0.0	95	400962	9.51	
79 2-Hexanone	43	7.173	7.185	-0.012	99	669006	21.2	
81 Chlorodibromomethane	129	7.327	7.327	0.0	90	391957	10.6	
83 Ethylene Dibromide	107	7.446	7.445	0.001	98	384556	10.2	
85 Chlorobenzene	112	7.907	7.907	0.0	95	1374675	9.72	
86 1,1,1,2-Tetrachloroethane	131	7.966	7.966	0.0	89	448220	9.99	
87 Ethylbenzene	106	8.002	8.002	0.0	98	717740	9.51	
88 m-Xylene & p-Xylene	106	8.108	8.108	0.0	100	1860380	19.6	
89 o-Xylene	106	8.487	8.487	0.0	88	890185	9.83	
90 Styrene	104	8.499	8.499	0.0	92	1494000	10.1	
91 Bromoform	173	8.676	8.676	0.0	98	235991	10.7	
92 Isopropylbenzene	105	8.842	8.842	0.0	96	2079887	9.46	
94 Cyclohexanone	55	8.925	8.927	-0.002	88	252140	31.3	
95 1,1,2,2-Tetrachloroethane	83	9.102	9.102	0.0	92	523174	10.2	
96 Bromobenzene	156	9.138	9.138	0.0	95	590037	9.82	
97 1,2,3-Trichloropropane	110	9.161	9.161	0.0	76	166493	10.3	
98 trans-1,4-Dichloro-2-butene	53	9.161	9.161	0.0	79	270952	17.8	
99 N-Propylbenzene	120	9.244	9.244	0.0	97	611392	10.0	
100 2-Chlorotoluene	126	9.327	9.327	0.0	97	544087	9.60	
101 1,3,5-Trimethylbenzene	105	9.410	9.410	0.0	93	1720888	9.84	
102 4-Chlorotoluene	126	9.433	9.433	0.0	97	607123	10.0	
103 tert-Butylbenzene	119	9.729	9.729	0.0	91	1550887	9.85	
104 1,2,4-Trimethylbenzene	105	9.777	9.777	0.001	73	1760789	9.84	
105 sec-Butylbenzene	105	9.942	9.942	0.0	94	1850234	9.39	
106 1,3-Dichlorobenzene	146	10.061	10.060	0.001	97	1078211	9.63	
107 4-Isopropyltoluene	119	10.084	10.084	0.0	93	1619925	10.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
108 1,4-Dichlorobenzene	146	10.143	10.143	0.0	92	1087056	9.25	
109 1,2,3-Trimethylbenzene	105	10.191	10.193	-0.002	95	1804511	9.86	
110 n-Butylbenzene	91	10.498	10.498	0.0	94	1245428	9.15	
111 1,2-Dichlorobenzene	146	10.510	10.510	0.0	97	992436	9.64	
112 1,2-Dibromo-3-Chloropropane	157	11.279	11.279	0.0	73	62508	10.3	
114 1,2,4-Trichlorobenzene	180	12.120	12.119	0.001	93	339846	7.58	
115 Hexachlorobutadiene	225	12.297	12.297	0.0	94	150197	7.02	
116 Naphthalene	128	12.368	12.368	0.0	100	718426	6.43	
117 1,2,3-Trichlorobenzene	180	12.616	12.616	0.0	100	282917	6.51	
S 119 Trihalomethanes, Total	1				0		41.5	
S 120 1,2-Dichloroethene, Total	96				0		19.0	
S 122 Xylenes, Total	106				0		29.5	

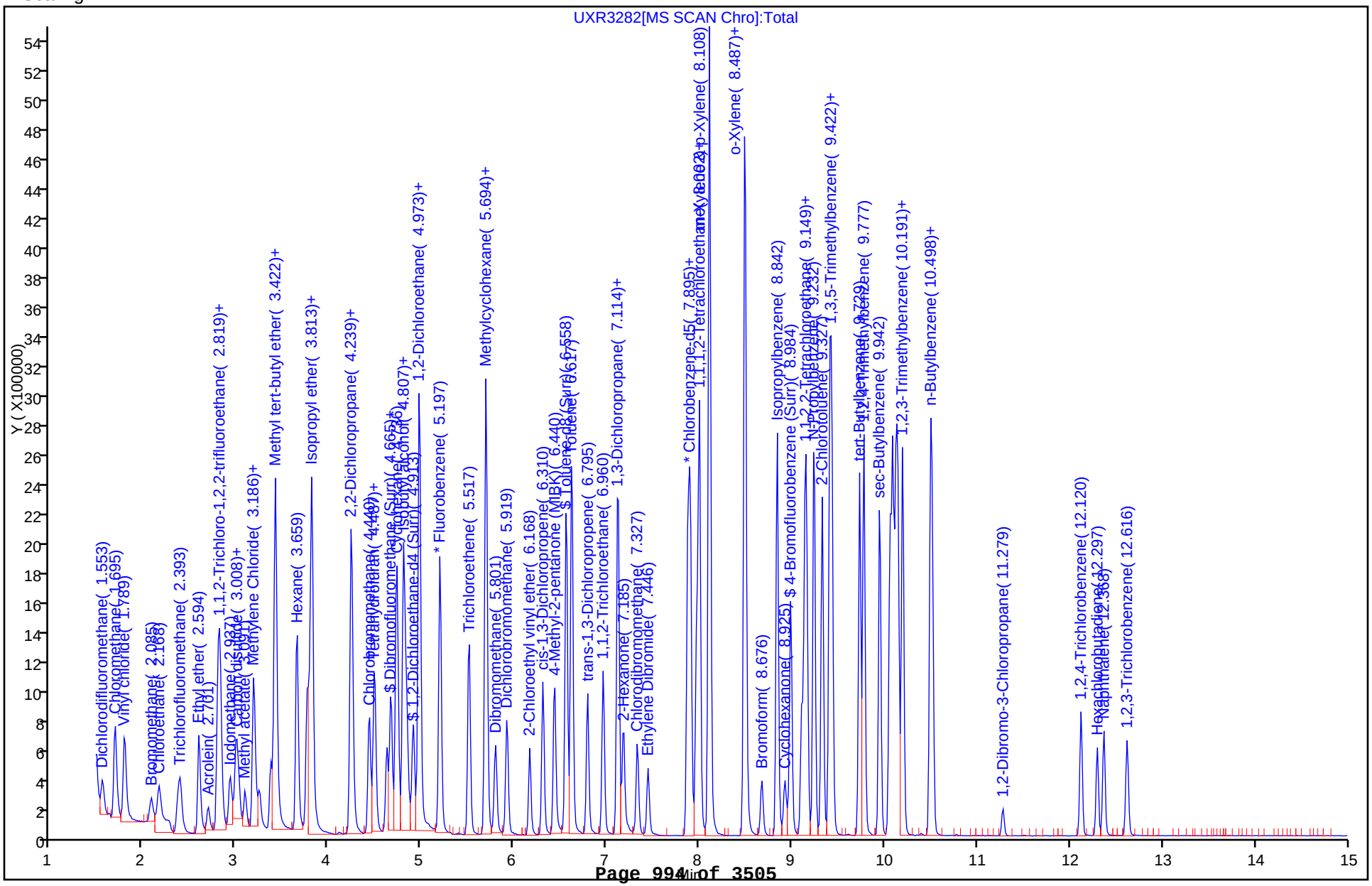
Report Date: 09-Apr-2013 08:43:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3282.D

Injection Date:	08-Apr-2013 12:50:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	4
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-80954/5

Matrix: Solid | Lab File ID: 141830.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/08/2013 12:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 80954 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	0.00907	J	0.010	0.00050	0.00057
67-64-1	Acetone	0.0171	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00491		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00569		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00607		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00593		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00387		0.0010	0.00025	0.00013
75-34-3	1,1-Dichloroethane	0.00463		0.0010	0.00025	0.00015
108-90-7	Chlorobenzene	0.00483		0.0010	0.00025	0.00015
107-06-2	1,2-Dichloroethane	0.00488		0.0010	0.00025	0.00022
74-87-3	Chloromethane	0.00496		0.0010	0.00050	0.00030
75-35-4	1,1-Dichloroethene	0.00468		0.0010	0.00025	0.00019
10061-01-5	cis-1,3-Dichloropropene	0.00409		0.0010	0.00025	0.00014
540-59-0	1,2-Dichloroethene, Total	0.00968		0.0020	0.00050	0.00034
124-48-1	Dibromochloromethane	0.00604		0.0010	0.00025	0.00018
78-87-5	1,2-Dichloropropane	0.00489		0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.00398		0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.00473		0.0010	0.00025	0.00017
591-78-6	2-Hexanone	0.00953	J	0.010	0.00050	0.00041
75-09-2	Methylene Chloride	0.0197	^	0.0010	0.00050	0.00033
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00862	J	0.010	0.00050	0.00032
100-42-5	Styrene	0.00429		0.0010	0.00025	0.00011
79-34-5	1,1,2,2-Tetrachloroethane	0.00486		0.0010	0.00025	0.00018
127-18-4	Tetrachloroethene	0.00479		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00479		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00473		0.0010	0.00025	0.00016
10061-02-6	trans-1,3-Dichloropropene	0.00388		0.0010	0.00025	0.00019
71-55-6	1,1,1-Trichloroethane	0.00421		0.0010	0.00025	0.00022
74-97-5	Bromochloromethane	0.00480		0.0010	0.00050	0.00029
79-00-5	1,1,2-Trichloroethane	0.00472		0.0010	0.00050	0.00027
106-93-4	1,2-Dibromoethane	0.00439		0.0010	0.00025	0.00024
79-01-6	Trichloroethene	0.00476		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00522		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00612		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.00900		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-80954/5

Matrix: Solid Lab File ID: 141830.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/08/2013 12:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 80954 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		50-150
2037-26-5	Toluene-d8 (Surr)	87		50-150
460-00-4	4-Bromofluorobenzene (Surr)	84		50-150
1868-53-7	Dibromofluoromethane (Surr)	85		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141830.D
Lims ID: QCMRL Client ID:
Inject. Date: 08-Apr-2013 12:00:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0018642-005 =240-0018642-005
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 80954 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m
Last Update: 09-Apr-2013 16:28:51 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK014

First Level Reviewer: macenczaks Date: 08-Apr-2013 12:32:17

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	99	1212228	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	812365	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	98	371954	50.0	
$ 4 BFB	95	4.388	4.502	-0.114	0	1724	0	
$ 5 Dibromofluoromethane (Surr)	113	6.258	6.257	0.001	63	276593	42.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	321616	45.2	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1089224	43.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	96	344995	41.9	
133 Benzyl chloride	126		0.000					
136 Hexachloroethane TIC	1		0.000					
135 1,4-Dichlorobutane	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
142 1,3-Diethylbenzene TIC	1		0.000					
141 Isobutylene TIC	1		0.000					
143 1,3-Butadiene TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.453	1.453	0.0	97	35287	5.10	
13 Chloromethane	50	1.643	1.643	0.0	99	44406	4.96	
14 Vinyl chloride	62	1.761	1.761	0.0	97	37632	5.22	
15 Bromomethane	94	2.104	2.104	0.0	91	14332	6.07	
16 Chloroethane	64	2.223	2.211	0.011	95	20496	6.12	
17 Dichlorofluoromethane	67	2.483	2.483	0.0	94	56670	5.80	
18 Trichlorofluoromethane	101	2.530	2.530	0.0	83	50622	5.50	
25 Methylal	45		2.932					
19 Ethyl ether	59	2.932	2.932	0.0	97	29113	5.33	
20 Acrolein	56	3.086	3.086	0.0	96	24734	32.1	
21 1,1-Dichloroethene	96	3.205	3.205	0.0	97	26000	4.68	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.228	3.228	0.0	87	22133	4.53	
22 Acetone	43	3.323	3.323	0.0	96	36400	17.1	
24 Iodomethane	142	3.406	3.406	0.0	96	45403	5.01	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
26 Carbon disulfide	76	3.477	3.477	0.0	99	49951	5.93	
27 Acetonitrile	41	3.749	3.725	0.024	70	45982	70.8	
29 3-Chloro-1-propene	76	3.761	3.761	0.0	84	12566	3.83	
28 Methyl acetate	43	3.832	3.832	0.0	97	98984	23.9	
30 Methylene Chloride	84	3.962	3.950	0.012	98	129054	19.7	
31 2-Methyl-2-propanol	59	4.258	4.270	-0.012	81	21192	51.3	
32 Acrylonitrile	53	4.364	4.364	0.0	98	93246	46.7	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	96	30374	4.74	
34 Methyl tert-butyl ether	73	4.412	4.423	-0.011	91	64983	4.50	
35 Hexane	86	4.802	4.802	0.0	97	8132	4.65	
36 1,1-Dichloroethane	63	4.980	4.980	0.0	96	55357	4.63	
37 Vinyl acetate	86	5.098	5.098	0.0	97	3261	3.47	
39 2-Chloro-1,3-butadiene	53		5.098					
38 Isopropyl ether	87		5.122					
40 Tert-butyl ethyl ether	59		5.571					9
61 Ethyl acrylate	55		5.605					
43 2,2-Dichloropropane	77	5.701	5.701	0.0	73	23595	4.19	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	85	34069	4.94	
41 2-Butanone (MEK)	43	5.761	5.749	0.012	86	22369	9.07	
44 Propionitrile	54		5.820					
45 Ethyl acetate	43		5.843					
47 Chlorobromomethane	128	5.985	5.985	0.0	96	14851	4.80	
46 Methacrylonitrile	41		5.985					9
48 Tetrahydrofuran	42	6.033	6.033	0.0	88	15241	9.05	
49 Chloroform	83	6.092	6.092	0.0	95	49023	4.73	
50 1,1,1-Trichloroethane	97	6.269	6.269	0.0	88	33929	4.21	
51 Cyclohexane	56	6.317	6.317	0.0	94	54545	4.51	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	89	39711	4.79	
53 Carbon tetrachloride	117	6.435	6.435	0.0	90	30132	3.87	
54 Isobutyl alcohol	41	6.636	6.636	0.0	81	21343	127.0	
55 Benzene	78	6.648	6.648	0.0	96	126283	4.91	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	88	40375	4.88	
57 Tert-amyl methyl ether	73		6.790					9
58 n-Heptane	100	6.944	6.944	0.0	86	9818	4.82	
80 Tetrahydrothiophene	60		7.255					9
59 n-Butanol	56		7.263					9
60 Trichloroethene	130	7.287	7.287	0.0	96	35753	4.76	
63 Methylcyclohexane	83	7.464	7.464	0.0	95	48585	4.44	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	90	31406	4.89	
65 Dibromomethane	93	7.606	7.606	0.0	86	14032	4.61	
64 Methyl methacrylate	41		7.618					9
66 1,4-Dioxane	88	7.642	7.630	0.012	85	4759	103.4	
67 Dichlorobromomethane	83	7.760	7.760	0.0	92	22698	3.98	
68 2-Nitropropane	41		7.962					
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	89	13442	5.51	
70 cis-1,3-Dichloropropene	75	8.163	8.163	0.0	86	28196	4.09	
71 4-Methyl-2-pentanone (MIBK)	43	8.305	8.305	0.0	98	42530	8.62	
72 Toluene	91	8.458	8.458	0.0	97	131067	4.79	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	95	20043	3.88	
74 Ethyl methacrylate	69	8.731	8.731	0.0	89	22352	4.11	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	92	19836	4.72	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	27002	4.79	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
76 1,3-Dichloropropane	76	8.955	8.955	0.0	96	35528	4.73	
78 2-Hexanone	43	9.015	9.015	0.0	97	31173	9.53	
132 n-Butyl acetate	43		9.121					14
79 Chlorodibromomethane	129	9.145	9.145	0.0	86	13707	6.04	
123 Ethylene Dibromide	107	9.251	9.251	0.0	96	17795	4.39	
81 1-Chlorohexane	91		9.594					9
82 Chlorobenzene	112	9.665	9.665	0.0	93	81842	4.83	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	89	20922	3.84	
84 Ethylbenzene	106	9.760	9.760	0.0	98	43365	4.73	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	100	50924	4.51	
85 o-Xylene	106	10.186	10.186	0.0	96	48059	4.49	
86 Styrene	104	10.198	10.198	0.0	89	70645	4.29	
87 Bromoform	173	10.364	10.364	0.0	89	6566	5.69	
88 Isopropylbenzene	105	10.494	10.494	0.0	96	131249	4.65	
89 Cyclohexanone	55		10.577					
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	95	21148	4.86	
91 Bromobenzene	156	10.766	10.766	0.0	90	30803	4.67	
93 trans-1,4-Dichloro-2-butene	53	10.790	10.789	0.001	62	5713	4.06	
92 1,2,3-Trichloropropane	110	10.790	10.789	0.001	73	7326	4.96	
94 N-Propylbenzene	120	10.849	10.849	0.0	98	37462	4.78	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	31143	4.63	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	96	102572	4.57	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	32549	4.75	
97 tert-Butylbenzene	119	11.275	11.275	0.0	91	96179	4.55	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	105873	4.64	
99 sec-Butylbenzene	105	11.452	11.452	0.0	92	133776	4.59	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	85	62284	4.78	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	78	114105	4.56	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	91	62410	4.76	
103 1,2,3-Trimethylbenzene	105		11.665					
105 n-Butylbenzene	91	11.914	11.914	0.0	97	101783	4.71	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	97	58264	4.87	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	52	3041	5.71	
108 1,3,5-Trichlorobenzene	180		12.778					9
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	39998	5.32	
110 Hexachlorobutadiene	225	13.405	13.405	0.0	94	21495	5.65	
111 Naphthalene	128	13.476	13.476	0.0	97	80125	5.46	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	36567	5.62	
113 2-Methylnaphthalene	142	14.351	14.351	0.0	46	3906	0.4358	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	9614342	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	11678152	0	
S 137 Trihalomethanes, Total	1				0		20.4	
S 11 1,2-Dichloroethene, Total	96				0		9.68	
S 9 1,3-Dichloropropene, Total	75				0		7.98	
S 114 Xylenes, Total	106				0		9.00	

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

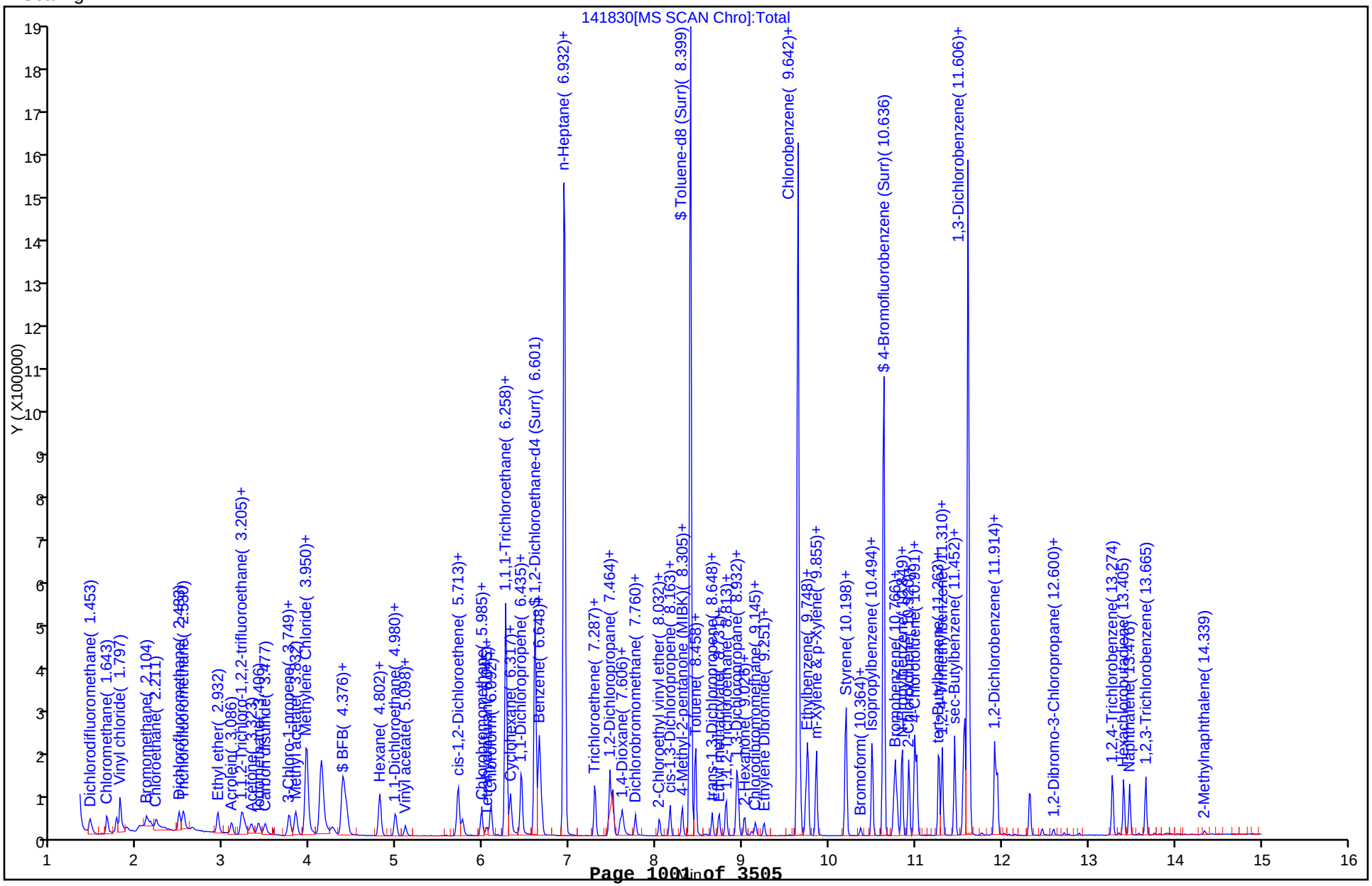
Report Date: 09-Apr-2013 16:28:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141830.D

Injection Date:	08-Apr-2013 12:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	5
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-80954/32

Matrix: Solid | Lab File ID: 141856.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2013 21:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 80954 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	0.0108		0.010	0.00050	0.00057
67-64-1	Acetone	0.0179	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00546		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00572		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00646		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00567		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00396		0.0010	0.00025	0.00013
75-34-3	1,1-Dichloroethane	0.00516		0.0010	0.00025	0.00015
108-90-7	Chlorobenzene	0.00514		0.0010	0.00025	0.00015
107-06-2	1,2-Dichloroethane	0.00567		0.0010	0.00025	0.00022
74-87-3	Chloromethane	0.00528		0.0010	0.00050	0.00030
75-35-4	1,1-Dichloroethene	0.00452		0.0010	0.00025	0.00019
10061-01-5	cis-1,3-Dichloropropene	0.00412		0.0010	0.00025	0.00014
540-59-0	1,2-Dichloroethene, Total	0.0105		0.0020	0.00050	0.00034
124-48-1	Dibromochloromethane	0.00609		0.0010	0.00025	0.00018
78-87-5	1,2-Dichloropropane	0.00561		0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.00437		0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.00505		0.0010	0.00025	0.00017
591-78-6	2-Hexanone	0.00935	J	0.010	0.00050	0.00041
75-09-2	Methylene Chloride	0.0114	^	0.0010	0.00050	0.00033
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00983	J	0.010	0.00050	0.00032
100-42-5	Styrene	0.00454		0.0010	0.00025	0.00011
79-34-5	1,1,2,2-Tetrachloroethane	0.00520		0.0010	0.00025	0.00018
127-18-4	Tetrachloroethene	0.00541		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00531		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00512		0.0010	0.00025	0.00016
10061-02-6	trans-1,3-Dichloropropene	0.00383		0.0010	0.00025	0.00019
71-55-6	1,1,1-Trichloroethane	0.00452		0.0010	0.00025	0.00022
74-97-5	Bromochloromethane	0.00514		0.0010	0.00050	0.00029
79-00-5	1,1,2-Trichloroethane	0.00556		0.0010	0.00050	0.00027
106-93-4	1,2-Dibromoethane	0.00510		0.0010	0.00025	0.00024
79-01-6	Trichloroethene	0.00511		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00548		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00485		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.00979		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-80954/32

Matrix: Solid Lab File ID: 141856.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 21:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 80954 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		50-150
2037-26-5	Toluene-d8 (Surr)	90		50-150
460-00-4	4-Bromofluorobenzene (Surr)	86		50-150
1868-53-7	Dibromofluoromethane (Surr)	85		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141856.D
Lims ID: qcmrl Client ID:
Inject. Date: 08-Apr-2013 21:42:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0018642-032 =240-0018642-032
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 31
Lims Batch ID: 80954 Lims Sample ID: 32
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20130408-18642.b\8260_14.m
Last Update: 09-Apr-2013 16:28:51 Calib Date: 01-Apr-2013 20:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20130401-18434.b\141682.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK014

First Level Reviewer: macenczaks Date: 09-Apr-2013 14:03:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.932	6.932	0.0	99	1121485	50.0	
* 2 Chlorobenzene-d5	117	9.642	9.642	0.0	96	755196	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.606	11.606	0.0	99	340868	50.0	
$ 4 BFB	95	4.388	4.502	-0.114	0	1852	0	
$ 5 Dibromofluoromethane (Surr)	113	6.257	6.257	0.0	70	255961	42.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.601	6.601	0.0	95	315307	48.2	
$ 7 Toluene-d8 (Surr)	98	8.399	8.399	0.0	93	1042960	45.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.636	10.636	0.0	96	324100	43.1	
133 Benzyl chloride	126		0.000					
136 Hexachloroethane TIC	1		0.000					
135 1,4-Dichlorobutane	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
142 1,3-Diethylbenzene TIC	1		0.000					
141 Isobutylene TIC	1		0.000					
143 1,3-Butadiene TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.441	1.453	-0.012	92	34057	5.32	
13 Chloromethane	50	1.643	1.643	0.0	89	43675	5.28	
14 Vinyl chloride	62	1.749	1.761	-0.012	97	36542	5.48	
15 Bromomethane	94	2.104	2.104	0.0	90	14120	6.46	
16 Chloroethane	64	2.211	2.211	0.0	88	15021	4.85	
17 Dichlorofluoromethane	67	2.483	2.483	0.0	97	57714	6.39	
18 Trichlorofluoromethane	101	2.530	2.530	0.0	94	43881	5.16	
25 Methylal	45	2.932	2.932	0.0	64	27009	0	
19 Ethyl ether	59	2.920	2.932	-0.012	97	30522	6.04	
20 Acrolein	56	3.086	3.086	0.0	93	20332	28.5	
21 1,1-Dichloroethene	96	3.204	3.205	-0.001	98	23245	4.52	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.240	3.228	0.012	78	21870	4.84	
22 Acetone	43	3.311	3.323	-0.012	93	34797	17.9	
24 Iodomethane	142	3.394	3.406	-0.012	98	43752	5.22	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
26 Carbon disulfide	76	3.477	3.477	0.0	99	41979	5.67	
27 Acetonitrile	41	3.749	3.725	0.024	64	39828	66.3	
29 3-Chloro-1-propene	76	3.749	3.761	-0.012	79	11349	3.74	
28 Methyl acetate	43	3.832	3.832	0.0	97	107580	28.1	
30 Methylene Chloride	84	3.950	3.950	0.0	93	68653	11.4	
31 2-Methyl-2-propanol	59	4.269	4.270	-0.001	80	20177	52.8	
32 Acrylonitrile	53	4.364	4.364	0.0	99	99290	53.7	
33 trans-1,2-Dichloroethene	96	4.388	4.388	0.0	94	29977	5.06	
34 Methyl tert-butyl ether	73	4.411	4.423	-0.012	91	58949	4.41	
35 Hexane	86	4.802	4.802	0.0	96	8307	5.13	
36 1,1-Dichloroethane	63	4.979	4.980	-0.001	97	57144	5.16	
37 Vinyl acetate	86	5.098	5.098	0.0	96	2736	3.15	
39 2-Chloro-1,3-butadiene	53		5.098					
38 Isopropyl ether	87		5.122					
40 Tert-butyl ethyl ether	59		5.571					
61 Ethyl acrylate	55		5.605					
43 2,2-Dichloropropane	77	5.701	5.701	0.0	58	20026	3.84	
42 cis-1,2-Dichloroethene	96	5.713	5.713	0.0	70	34399	5.39	
41 2-Butanone (MEK)	43	5.760	5.749	0.011	94	24527	10.8	
44 Propionitrile	54		5.820					
45 Ethyl acetate	43		5.843					
47 Chlorobromomethane	128	5.985	5.985	0.0	91	14688	5.14	
46 Methacrylonitrile	41		5.985					9
48 Tetrahydrofuran	42	6.033	6.033	0.0	87	17336	11.1	
49 Chloroform	83	6.092	6.092	0.0	96	49112	5.12	
50 1,1,1-Trichloroethane	97	6.257	6.269	-0.012	78	33696	4.52	
51 Cyclohexane	56	6.317	6.317	0.0	94	44512	3.98	
52 1,1-Dichloropropene	75	6.435	6.435	0.0	88	38148	4.97	
53 Carbon tetrachloride	117	6.435	6.435	0.0	68	28551	3.96	
54 Isobutyl alcohol	41	6.636	6.636	0.0	80	20442	131.5	
55 Benzene	78	6.648	6.648	0.0	97	129826	5.46	
56 1,2-Dichloroethane	62	6.672	6.672	0.0	87	43395	5.67	
57 Tert-amyl methyl ether	73		6.790					
58 n-Heptane	100	6.944	6.944	0.0	86	9603	5.09	
80 Tetrahydrothiophene	60		7.255					9
59 n-Butanol	56		7.263					
60 Trichloroethene	130	7.287	7.287	0.0	95	35553	5.11	
63 Methylcyclohexane	83	7.464	7.464	0.0	93	44791	4.42	
62 1,2-Dichloropropane	63	7.500	7.500	0.0	92	33351	5.61	
65 Dibromomethane	93	7.606	7.606	0.0	86	14215	5.05	
64 Methyl methacrylate	41		7.618					9
66 1,4-Dioxane	88	7.630	7.630	0.0	70	4414	103.7	
67 Dichlorobromomethane	83	7.760	7.760	0.0	95	23711	4.37	
68 2-Nitropropane	41		7.962					
69 2-Chloroethyl vinyl ether	63	8.032	8.032	0.0	89	12015	5.32	
70 cis-1,3-Dichloropropene	75	8.162	8.163	-0.001	81	26325	4.12	
71 4-Methyl-2-pentanone (MIBK)	43	8.304	8.305	-0.001	98	45049	9.83	
72 Toluene	91	8.458	8.458	0.0	92	135185	5.31	
73 trans-1,3-Dichloropropene	75	8.648	8.648	0.0	95	18334	3.83	
74 Ethyl methacrylate	69	8.730	8.731	-0.001	90	22293	4.40	
75 1,1,2-Trichloroethane	97	8.813	8.813	0.0	95	21734	5.56	
77 Tetrachloroethene	164	8.932	8.932	0.0	97	28346	5.41	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
76 1,3-Dichloropropane	76	8.955	8.955	0.0	94	38013	5.44	
78 2-Hexanone	43	9.014	9.015	-0.001	97	28433	9.35	
132 n-Butyl acetate	43		9.121					14
79 Chlorodibromomethane	129	9.145	9.145	0.0	81	12955	6.09	
123 Ethylene Dibromide	107	9.251	9.251	0.0	91	19219	5.10	
81 1-Chlorohexane	91		9.594					
82 Chlorobenzene	112	9.665	9.665	0.0	92	81073	5.14	
83 1,1,1,2-Tetrachloroethane	131	9.736	9.736	0.0	84	20007	3.95	
84 Ethylbenzene	106	9.760	9.760	0.0	98	43006	5.05	
10 m-Xylene & p-Xylene	106	9.855	9.855	0.0	100	52152	4.96	
85 o-Xylene	106	10.186	10.186	0.0	94	47978	4.83	
86 Styrene	104	10.198	10.198	0.0	91	69442	4.54	
87 Bromoform	173	10.363	10.364	-0.001	88	6174	5.72	
88 Isopropylbenzene	105	10.494	10.494	0.0	97	126160	4.81	
89 Cyclohexanone	55		10.577					
90 1,1,2,2-Tetrachloroethane	83	10.742	10.742	0.0	86	20707	5.20	
91 Bromobenzene	156	10.766	10.766	0.0	93	31222	5.17	
93 trans-1,4-Dichloro-2-butene	53	10.789	10.789	0.0	52	6206	4.81	
92 1,2,3-Trichloropropane	110	10.789	10.789	0.0	81	7620	5.63	
94 N-Propylbenzene	120	10.849	10.849	0.0	97	36632	5.10	
95 2-Chlorotoluene	126	10.920	10.920	0.0	96	31001	5.03	
96 1,3,5-Trimethylbenzene	105	10.991	10.991	0.0	96	99974	4.86	
104 4-Chlorotoluene	126	11.014	11.014	0.0	97	32627	5.19	
97 tert-Butylbenzene	119	11.275	11.275	0.0	86	97113	5.01	
98 1,2,4-Trimethylbenzene	105	11.310	11.310	0.0	73	100021	4.78	
99 sec-Butylbenzene	105	11.452	11.452	0.0	94	129926	4.87	
100 1,3-Dichlorobenzene	146	11.559	11.559	0.0	84	59402	4.97	
101 4-Isopropyltoluene	119	11.570	11.570	0.0	85	108301	4.72	
102 1,4-Dichlorobenzene	146	11.630	11.630	0.0	90	59238	4.93	
103 1,2,3-Trimethylbenzene	105		11.665					
105 n-Butylbenzene	91	11.914	11.914	0.0	96	91860	4.64	
106 1,2-Dichlorobenzene	146	11.949	11.949	0.0	96	54945	5.02	
107 1,2-Dibromo-3-Chloropropane	157	12.600	12.600	0.0	36	2099	4.23	
108 1,3,5-Trichlorobenzene	180		12.778					
109 1,2,4-Trichlorobenzene	180	13.274	13.274	0.0	94	32881	4.77	
110 Hexachlorobutadiene	225	13.404	13.405	-0.001	95	18564	5.32	
111 Naphthalene	128	13.475	13.476	-0.001	94	60019	4.46	
112 1,2,3-Trichlorobenzene	180	13.665	13.665	0.0	95	29384	4.72	
113 2-Methylnaphthalene	142		14.351					9
A 140 C6-C10	1	7.589	3.915 - 11.263		0	9024348	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	11363787	0	
S 137 Trihalomethanes, Total	1				0		21.3	
S 11 1,2-Dichloroethene, Total	96				0		10.4	
S 9 1,3-Dichloropropene, Total	75				0		7.96	
S 114 Xylenes, Total	106				0		9.79	

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

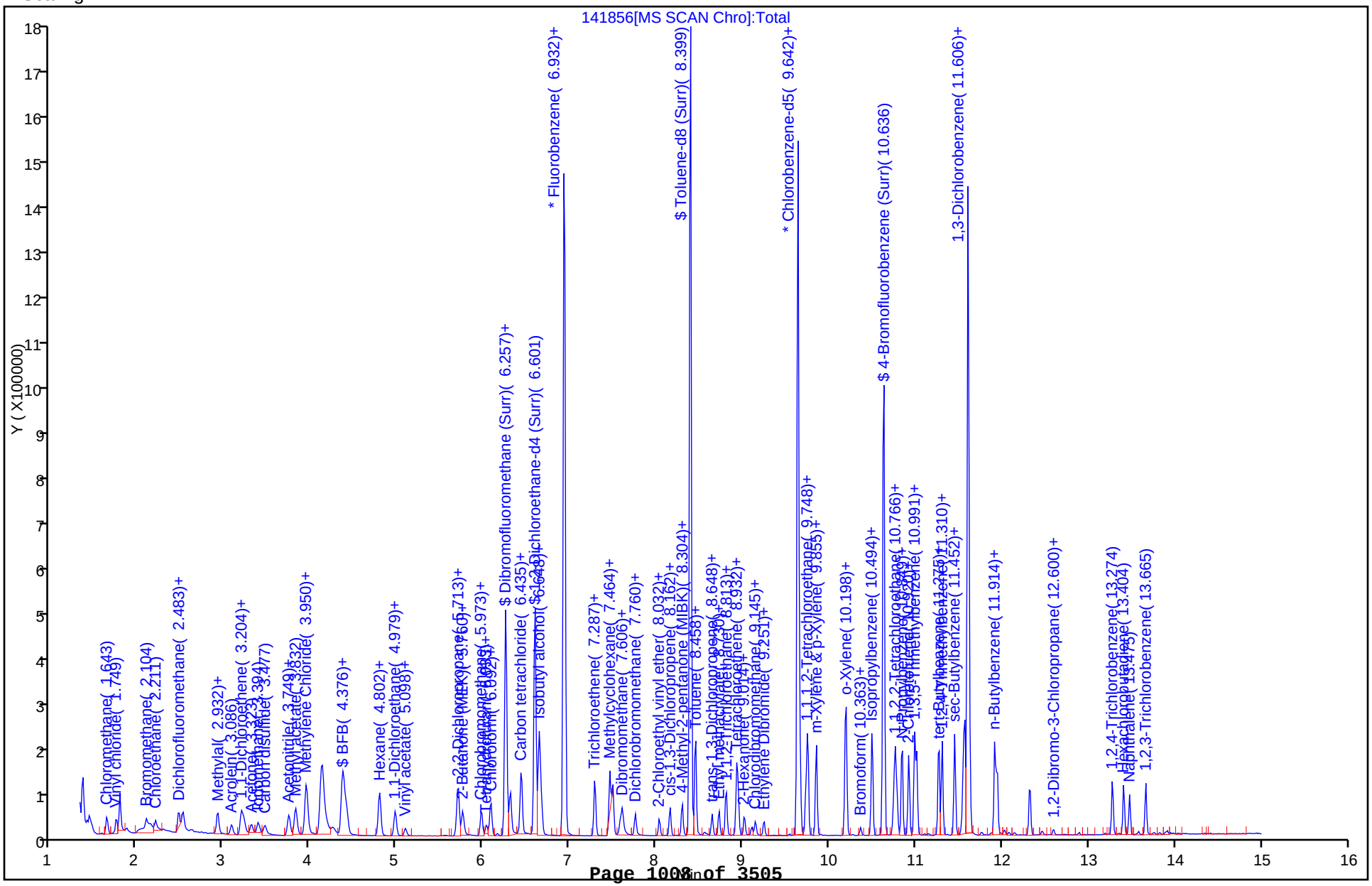
Report Date: 09-Apr-2013 16:29:02 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20130408-18642.b\141856.D

Injection Date:	08-Apr-2013 21:42:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	80954	Lims Sample ID:	32
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81013/5

Matrix: Water | Lab File ID: UXR3283.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2013 13:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 81013 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	0.00973	J	0.010	0.00050	0.00057
67-64-1	Acetone	0.00883	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.00116		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00103		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.000930	J	0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00106		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00104		0.0010	0.00025	0.00013
75-34-3	1,1-Dichloroethane	0.00111		0.0010	0.00025	0.00015
108-90-7	Chlorobenzene	0.00111		0.0010	0.00025	0.00015
107-06-2	1,2-Dichloroethane	0.00120		0.0010	0.00025	0.00022
74-87-3	Chloromethane	0.00116		0.0010	0.00050	0.00030
75-35-4	1,1-Dichloroethene	0.00106		0.0010	0.00025	0.00019
10061-01-5	cis-1,3-Dichloropropene	0.00131	^	0.0010	0.00025	0.00014
540-59-0	1,2-Dichloroethene, Total	0.00222		0.0020	0.00050	0.00034
124-48-1	Dibromochloromethane	0.00106		0.0010	0.00025	0.00018
78-87-5	1,2-Dichloropropane	0.00110		0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.00111		0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.000933	J	0.0010	0.00025	0.00017
591-78-6	2-Hexanone	0.00935	J	0.010	0.00050	0.00041
1634-04-4	Methyl tert-butyl ether	0.00118		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00138	^	0.0010	0.00050	0.00033
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00956	J	0.010	0.00050	0.00032
100-42-5	Styrene	0.000866	J	0.0010	0.00025	0.00011
79-34-5	1,1,2,2-Tetrachloroethane	0.00140	^	0.0010	0.00025	0.00018
127-18-4	Tetrachloroethene	0.00114		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00108		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00119		0.0010	0.00025	0.00016
10061-02-6	trans-1,3-Dichloropropene	0.00131	^	0.0010	0.00025	0.00019
71-55-6	1,1,1-Trichloroethane	0.00109		0.0010	0.00025	0.00022
74-97-5	Bromochloromethane	0.00115		0.0010	0.00050	0.00029
79-00-5	1,1,2-Trichloroethane	0.00104		0.0010	0.00050	0.00027
106-93-4	1,2-Dibromoethane	0.00109		0.0010	0.00025	0.00024
79-01-6	Trichloroethene	0.00118		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00106		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00106		0.0010	0.00050	0.00029
1330-20-7	Xylenes, Total	0.00286		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-81013/5

Matrix: Water Lab File ID: UXR3283.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 13:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 81013 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		50-150
2037-26-5	Toluene-d8 (Surr)	92		50-150
460-00-4	4-Bromofluorobenzene (Surr)	89		50-150
1868-53-7	Dibromofluoromethane (Surr)	98		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3283.D
Lims ID: MRL Client ID:
Inject. Date: 08-Apr-2013 13:12:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0018651-005
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 81013 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130408-18651.b\8260_10.m
Last Update: 09-Apr-2013 08:43:29 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK021

First Level Reviewer: quayler Date: 08-Apr-2013 13:29:34

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.198	5.200	-0.002	99	1934419	10.0	
* 2 Chlorobenzene-d5	117	7.872	7.874	-0.002	88	1336222	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.120	10.122	-0.002	94	675843	10.0	
$ 4 BFB	95	3.423	3.709	-0.286	0	3228	0	
$ 5 Dibromofluoromethane (Surr)	113	4.630	4.629	0.001	58	438545	9.83	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.914	4.913	0.001	0	543045	9.28	
$ 7 Toluene-d8 (Surr)	98	6.570	6.570	0.0	93	1705515	9.17	
$ 8 4-Bromofluorobenzene (Surr)	95	8.984	8.984	0.0	89	623983	8.90	
143 1,3-Diethylbenzene TIC	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
11 C6-C10	1		0.000					
12 Dichlorodifluoromethane	85	1.553	1.553	0.0	79	55861	1.33	
13 Chloromethane	50	1.695	1.695	0.0	99	129350	1.16	
14 Vinyl chloride	62	1.790	1.789	0.001	93	79888	1.06	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.085	2.085	0.0	69	26045	0.9297	
17 Chloroethane	64	2.168	2.168	0.0	87	44335	1.06	
18 Dichlorofluoromethane	67		2.325					
19 Trichlorofluoromethane	101	2.393	2.393	0.0	89	56776	1.06	
20 Ethyl ether	59		2.597					
21 Acrolein	56	2.701	2.700	0.001	85	77372	10.7	
23 1,1-Dichloroethene	96	2.807	2.807	0.0	92	53118	1.06	
24 Acetone	43	2.831	2.819	0.012	98	120700	8.83	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.819	2.819	0.0	61	34551	0.9190	
22 Methylal	45		2.851					9
26 Iodomethane	142	2.937	2.937	0.0	97	85931	1.08	
27 Carbon disulfide	76	3.008	3.008	0.0	99	179269	1.06	
28 Acetonitrile	41	3.056	3.044	0.012	81	26215	7.06	
29 3-Chloro-1-propene	76		3.094					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methyl acetate	43	3.103	3.103	0.0	99	116203	2.76	
31 Methylene Chloride	84	3.198	3.197	0.001	97	118068	1.38	
32 2-Methyl-2-propanol	59	3.257	3.257	0.0	95	45733	24.3	
33 Acrylonitrile	53	3.387	3.375	0.012	92	47752	2.35	
35 Methyl tert-butyl ether	73	3.423	3.422	0.001	89	143185	1.18	
34 trans-1,2-Dichloroethene	96	3.423	3.422	0.001	84	67118	1.13	
36 Hexane	86	3.659	3.659	0.0	90	11323	0.9723	
37 1,1-Dichloroethane	63	3.766	3.765	0.001	94	123328	1.11	
38 Vinyl acetate	86	3.789	3.789	0.0	96	8272	0.8902	
39 Isopropyl ether	87		3.816					9
40 2-Chloro-1,3-butadiene	53		3.851					
41 Tert-butyl ethyl ether	59		4.111					
43 cis-1,2-Dichloroethene	96	4.239	4.239	0.0	79	66217	1.09	
42 2-Butanone (MEK)	43	4.239	4.239	0.0	97	219867	9.73	
44 2,2-Dichloropropane	77	4.251	4.251	0.0	76	65521	1.25	
45 Propionitrile	54		4.277					
46 Ethyl acetate	43	4.239	4.289	-0.050	64	219867	4.85	
47 Methacrylonitrile	41		4.407					9
48 Chlorobromomethane	128	4.440	4.440	0.0	88	31267	1.15	
49 Tetrahydrofuran	42	4.488	4.487	0.001	23	17871	1.17	
50 Chloroform	83	4.499	4.499	0.0	82	107313	1.19	
51 1,1,1-Trichloroethane	97	4.677	4.677	0.0	90	77075	1.09	
52 Cyclohexane	56	4.736	4.736	0.0	93	108663	0.8918	
53 1,1-Dichloropropene	75	4.807	4.807	0.0	88	74906	1.07	
54 Carbon tetrachloride	117	4.819	4.819	0.0	87	59370	1.04	
55 Isobutyl alcohol	41		4.845					9
56 1,2-Dichloroethane	62	4.973	4.972	0.001	47	89586	1.20	
57 Benzene	78	4.985	4.984	0.0	96	258010	1.16	
58 Tert-amyl methyl ether	73		5.058					9
59 n-Heptane	100		5.188					
60 n-Butanol	56		5.401					
61 Trichloroethene	130	5.517	5.517	0.0	93	65019	1.18	
62 Ethyl acrylate	55	5.694	5.605	0.089	56	75532	0	
64 1,2-Dichloropropane	63	5.694	5.694	0.0	75	63739	1.10	
63 Methylcyclohexane	83	5.694	5.694	0.0	86	69370	0.8838	
65 Methyl methacrylate	41		5.768					9
67 1,4-Dioxane	88	5.801	5.801	0.0	12	9180	36.0	
66 Dibromomethane	93	5.801	5.801	0.0	84	30879	1.14	
68 Dichlorobromomethane	83	5.919	5.919	0.0	87	63319	1.11	
69 2-Nitropropane	41		6.111					9
70 2-Chloroethyl vinyl ether	63	6.168	6.168	0.0	84	41020	2.39	
71 cis-1,3-Dichloropropene	75	6.310	6.309	0.001	71	60025	1.31	
72 4-Methyl-2-pentanone (MIBK)	43	6.440	6.440	0.0	98	442106	9.56	
73 Toluene	91	6.617	6.629	-0.012	93	253518	1.08	
74 trans-1,3-Dichloropropene	75	6.795	6.795	0.0	87	48722	1.31	
75 Ethyl methacrylate	69	6.866	6.866	0.0	83	47515	1.29	
76 1,1,2-Trichloroethane	97	6.961	6.960	0.001	86	43263	1.04	
77 1,3-Dichloropropane	76	7.114	7.114	0.0	92	76659	1.05	
78 Tetrachloroethene	164	7.126	7.126	0.0	93	49661	1.14	
79 2-Hexanone	43	7.185	7.185	0.0	100	304258	9.35	
80 n-Butyl acetate	56		7.294					
81 Chlorodibromomethane	129	7.327	7.327	0.0	76	40503	1.06	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.446	7.445	0.001	85	42569	1.09	
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112	7.907	7.907	0.0	96	162691	1.11	
86 1,1,1,2-Tetrachloroethane	131	7.966	7.966	0.0	79	47407	1.02	
87 Ethylbenzene	106	8.002	8.002	0.0	97	72661	0.9328	
88 m-Xylene & p-Xylene	106	8.108	8.108	0.0	99	183367	1.87	
89 o-Xylene	106	8.487	8.487	0.0	91	92585	0.99	
90 Styrene	104	8.499	8.499	0.0	89	131944	0.8663	
91 Bromoform	173	8.676	8.676	0.0	86	23351	1.03	
92 Isopropylbenzene	105	8.842	8.842	0.0	93	199130	0.8773	
94 Cyclohexanone	55	8.925	8.927	-0.002	68	21697	2.90	
93 1,4-Dichlorobutane	55		8.931					9
95 1,1,2,2-Tetrachloroethane	83	9.102	9.102	0.0	91	66531	1.40	
96 Bromobenzene	156	9.138	9.138	0.0	94	70133	1.26	
97 1,2,3-Trichloropropane	110	9.150	9.161	-0.011	74	19351	1.30	
98 trans-1,4-Dichloro-2-butene	53	9.161	9.161	0.0	59	10899	0.9618	
99 N-Propylbenzene	120	9.232	9.244	-0.012	98	58659	1.04	
100 2-Chlorotoluene	126	9.327	9.327	0.0	95	56827	1.08	
101 1,3,5-Trimethylbenzene	105	9.410	9.410	0.0	89	168065	1.04	
102 4-Chlorotoluene	126	9.434	9.433	0.001	97	62963	1.12	
103 tert-Butylbenzene	119	9.729	9.729	0.0	92	145075	0.99	
104 1,2,4-Trimethylbenzene	105	9.777	9.777	0.001	68	164999	1.00	
105 sec-Butylbenzene	105	9.942	9.942	0.0	90	182036	1.00	
106 1,3-Dichlorobenzene	146	10.061	10.060	0.001	95	124664	1.20	
107 4-Isopropyltoluene	119	10.084	10.084	0.0	95	146103	0.9796	
108 1,4-Dichlorobenzene	146	10.144	10.143	0.001	86	125549	1.15	
109 1,2,3-Trimethylbenzene	105		10.193					9
110 n-Butylbenzene	91	10.487	10.498	-0.011	92	122397	0.9706	
111 1,2-Dichlorobenzene	146	10.510	10.510	0.0	95	120876	1.27	
112 1,2-Dibromo-3-Chloropropane	157	11.280	11.279	0.001	39	9235	1.64	
113 1,3,5-Trichlorobenzene	180	11.504	11.504	0.0	90	46479	0.8969	
114 1,2,4-Trichlorobenzene	180	12.120	12.119	0.001	87	58198	1.40	
115 Hexachlorobutadiene	225	12.297	12.297	0.0	77	36899	1.19	
116 Naphthalene	128	12.368	12.368	0.0	99	146432	1.41	
117 1,2,3-Trichlorobenzene	180	12.617	12.616	0.001	95	65368	1.62	
118 2-Methylnaphthalene	142		13.669					
S 119 Trihalomethanes, Total	1				0		4.39	
S 120 1,2-Dichloroethene, Total	96				0		2.22	
S 121 1,3-Dichloropropene, Total	75				0		2.62	
S 122 Xylenes, Total	106				0		2.87	
T 144 Isobutylene TIC	1		1.900					1
T 145 1,3-Butadiene TIC	1		2.100					1
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

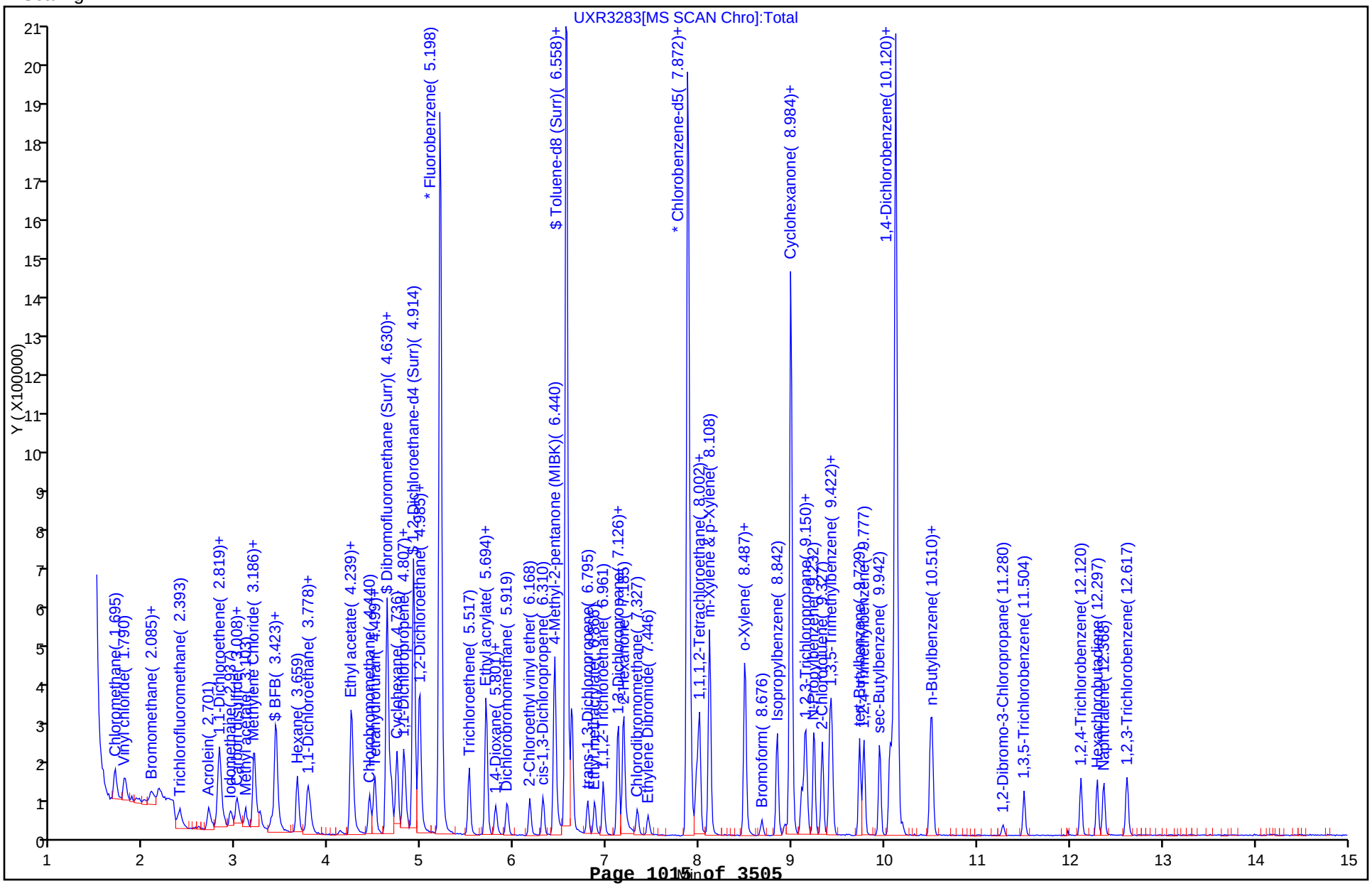
Report Date: 09-Apr-2013 08:43:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3283.D

Injection Date:	08-Apr-2013 13:12:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	5
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-81013/21

Matrix: Water | Lab File ID: UXR3299.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2013 18:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 81013 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-93-3	2-Butanone (MEK)	0.00771	J	0.010	0.00050	0.00057
67-64-1	Acetone	0.00676	J ^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00102		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.000836	J	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.000770	J	0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.000894	J	0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.000915	J	0.0010	0.00025	0.00013
75-34-3	1,1-Dichloroethane	0.000994	J	0.0010	0.00025	0.00015
108-90-7	Chlorobenzene	0.000980	J	0.0010	0.00025	0.00015
107-06-2	1,2-Dichloroethane	0.00104		0.0010	0.00025	0.00022
74-87-3	Chloromethane	0.00113		0.0010	0.00050	0.00030
75-35-4	1,1-Dichloroethene	0.00101		0.0010	0.00025	0.00019
10061-01-5	cis-1,3-Dichloropropene	0.00121		0.0010	0.00025	0.00014
540-59-0	1,2-Dichloroethene, Total	0.00187	J	0.0020	0.00050	0.00034
124-48-1	Dibromochloromethane	0.000823	J	0.0010	0.00025	0.00018
78-87-5	1,2-Dichloropropane	0.000976	J	0.0010	0.00025	0.00018
75-27-4	Bromodichloromethane	0.000890	J	0.0010	0.00025	0.00015
100-41-4	Ethylbenzene	0.000915	J	0.0010	0.00025	0.00017
591-78-6	2-Hexanone	0.00949	J	0.010	0.00050	0.00041
1634-04-4	Methyl tert-butyl ether	0.00101		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00256	^	0.0010	0.00050	0.00033
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00897	J	0.010	0.00050	0.00032
100-42-5	Styrene	0.000745	J	0.0010	0.00025	0.00011
79-34-5	1,1,2,2-Tetrachloroethane	0.00125		0.0010	0.00025	0.00018
127-18-4	Tetrachloroethene	0.000960	J	0.0010	0.00050	0.00029
108-88-3	Toluene	0.000933	J	0.0010	0.00025	0.00013
67-66-3	Chloroform	0.000960	J	0.0010	0.00025	0.00016
10061-02-6	trans-1,3-Dichloropropene	0.00118		0.0010	0.00025	0.00019
71-55-6	1,1,1-Trichloroethane	0.000940	J	0.0010	0.00025	0.00022
74-97-5	Bromochloromethane	0.00100		0.0010	0.00050	0.00029
79-00-5	1,1,2-Trichloroethane	0.000961	J	0.0010	0.00050	0.00027
106-93-4	1,2-Dibromoethane	0.000989	J	0.0010	0.00025	0.00024
79-01-6	Trichloroethene	0.00102		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.000961	J	0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.000985	J	0.0010	0.00050	0.00029
1330-20-7	Xylenes, Total	0.00240		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-81013/21

Matrix: Water Lab File ID: UXR3299.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 18:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 81013 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		50-150
2037-26-5	Toluene-d8 (Surr)	93		50-150
460-00-4	4-Bromofluorobenzene (Surr)	91		50-150
1868-53-7	Dibromofluoromethane (Surr)	96		50-150

Report Date: 09-Apr-2013 08:43:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3299.D
Lims ID: MRL Client ID:
Inject. Date: 08-Apr-2013 18:58:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0018651-021
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 20
Lims Batch ID: 81013 Lims Sample ID: 21
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130408-18651.b\8260_10.m
Last Update: 09-Apr-2013 08:43:29 Calib Date: 02-Apr-2013 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130402-18471.b\UXX3081.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK021

First Level Reviewer: quayler Date: 09-Apr-2013 08:35:19

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.208	5.200	0.008	99	1847532	10.0	
* 2 Chlorobenzene-d5	117	7.871	7.874	-0.003	89	1247564	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.119	10.122	-0.003	95	650422	10.0	
$ 4 BFB	95	3.433	3.709	-0.276	0	1642	0	
$ 5 Dibromofluoromethane (Surr)	113	4.629	4.629	0.0	66	411008	9.65	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.913	4.913	0.0	0	522613	9.35	
$ 7 Toluene-d8 (Surr)	98	6.569	6.570	-0.001	93	1620520	9.33	
$ 8 4-Bromofluorobenzene (Surr)	95	8.983	8.984	-0.001	89	598538	9.14	
143 1,3-Diethylbenzene TIC	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
11 C6-C10	1		0.000					
12 Dichlorodifluoromethane	85	1.552	1.553	-0.001	77	40806	1.02	
13 Chloromethane	50	1.694	1.695	-0.001	96	120334	1.13	
14 Vinyl chloride	62	1.789	1.789	0.0	95	68886	0.9608	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.085	2.085	0.0	84	20597	0.7698	
17 Chloroethane	64	2.167	2.168	-0.001	77	39270	0.9848	
18 Dichlorofluoromethane	67		2.325					
19 Trichlorofluoromethane	101	2.380	2.393	-0.013	73	44152	0.8618	
20 Ethyl ether	59		2.597					9
21 Acrolein	56	2.700	2.700	0.0	82	55111	7.97	
23 1,1-Dichloroethene	96	2.806	2.807	-0.001	91	48584	1.01	
24 Acetone	43	2.830	2.819	0.011	97	88257	6.76	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.830	2.819	0.011	75	34404	0.9582	
22 Methylal	45		2.851					
26 Iodomethane	142	2.948	2.937	0.011	95	72923	0.9607	
27 Carbon disulfide	76	3.007	3.008	-0.001	100	144751	0.8943	
28 Acetonitrile	41	3.055	3.044	0.011	91	33892	9.56	
29 3-Chloro-1-propene	76		3.094					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methyl acetate	43	3.102	3.103	-0.001	99	110245	2.74	
31 Methylene Chloride	84	3.197	3.197	0.0	97	177403	2.56	
32 2-Methyl-2-propanol	59	3.256	3.257	-0.001	93	50280	27.9	
33 Acrylonitrile	53	3.386	3.375	0.011	100	52812	2.72	
35 Methyl tert-butyl ether	73	3.422	3.422	0.0	88	117249	1.01	
34 trans-1,2-Dichloroethene	96	3.433	3.422	0.011	84	53509	0.9472	
36 Hexane	86	3.658	3.659	-0.001	94	11794	1.06	
37 1,1-Dichloroethane	63	3.765	3.765	0.0	81	105546	0.99	
38 Vinyl acetate	86	3.788	3.789	-0.001	97	5534	0.6235	
39 Isopropyl ether	87		3.816					9
40 2-Chloro-1,3-butadiene	53		3.851					
41 Tert-butyl ethyl ether	59		4.111					
43 cis-1,2-Dichloroethene	96	4.238	4.239	-0.001	79	53775	0.9271	
42 2-Butanone (MEK)	43	4.238	4.239	-0.001	96	166364	7.71	
44 2,2-Dichloropropane	77	4.250	4.251	-0.001	60	45903	0.9200	
45 Propionitrile	54		4.277					
46 Ethyl acetate	43	4.238	4.289	-0.051	70	171380	3.96	
47 Methacrylonitrile	41		4.407					9
48 Chlorobromomethane	128	4.439	4.440	-0.001	82	26025	1.00	
49 Tetrahydrofuran	42	4.487	4.487	0.0	21	17120	1.18	
50 Chloroform	83	4.498	4.499	-0.001	71	82682	0.9599	
51 1,1,1-Trichloroethane	97	4.676	4.677	-0.001	85	63405	0.9404	
52 Cyclohexane	56	4.735	4.736	-0.001	92	103897	0.8928	
53 1,1-Dichloropropene	75	4.806	4.807	-0.001	87	65540	0.9843	
54 Carbon tetrachloride	117	4.818	4.819	-0.001	87	49658	0.9150	
55 Isobutyl alcohol	41	4.842	4.845	-0.003	54	27382	31.7	
56 1,2-Dichloroethane	62	4.972	4.972	0.0	50	74022	1.04	
57 Benzene	78	4.984	4.984	0.0	96	217365	1.02	
58 Tert-amyl methyl ether	73		5.058					9
59 n-Heptane	100		5.188					
60 n-Butanol	56		5.401					
61 Trichloroethene	130	5.516	5.517	-0.001	91	53516	1.02	
62 Ethyl acrylate	55		5.605					9
64 1,2-Dichloropropane	63	5.705	5.694	0.011	77	53967	0.9758	
63 Methylcyclohexane	83	5.694	5.694	0.0	84	62857	0.8385	
65 Methyl methacrylate	41		5.768					
67 1,4-Dioxane	88	5.812	5.801	0.011	1	3763	15.4	
66 Dibromomethane	93	5.800	5.801	-0.001	81	25851	1.00	
68 Dichlorobromomethane	83	5.918	5.919	-0.001	91	48317	0.8901	
69 2-Nitropropane	41	6.167	6.111	0.056	40	2188	0.3148	
70 2-Chloroethyl vinyl ether	63	6.167	6.168	-0.001	72	37833	2.34	
71 cis-1,3-Dichloropropene	75	6.309	6.309	0.0	72	50365	1.21	
72 4-Methyl-2-pentanone (MIBK)	43	6.439	6.440	-0.001	98	396368	8.97	
73 Toluene	91	6.628	6.629	-0.001	87	203612	0.9331	
74 trans-1,3-Dichloropropene	75	6.794	6.795	-0.001	86	37614	1.18	
75 Ethyl methacrylate	69	6.877	6.866	0.011	84	39729	1.21	
76 1,1,2-Trichloroethane	97	6.960	6.960	0.0	89	37461	0.9610	
77 1,3-Dichloropropane	76	7.113	7.114	-0.001	93	66792	0.9786	
78 Tetrachloroethene	164	7.125	7.126	-0.001	92	39003	0.9595	
79 2-Hexanone	43	7.184	7.185	-0.001	99	288561	9.49	
80 n-Butyl acetate	56		7.294					9
81 Chlorodibromomethane	129	7.338	7.327	0.011	69	29265	0.8235	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.445	7.445	0.0	84	36091	0.9893	
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112	7.906	7.907	-0.001	97	133555	0.9798	
86 1,1,1,2-Tetrachloroethane	131	7.977	7.966	0.011	79	39333	0.9096	
87 Ethylbenzene	106	8.001	8.002	-0.001	97	66538	0.9149	
88 m-Xylene & p-Xylene	106	8.107	8.108	-0.001	99	144102	1.58	
89 o-Xylene	106	8.486	8.487	-0.001	90	71456	0.8188	
90 Styrene	104	8.498	8.499	-0.001	88	105899	0.7447	
91 Bromoform	173	8.675	8.676	-0.001	78	17759	0.8363	
92 Isopropylbenzene	105	8.841	8.842	-0.001	93	156939	0.7405	
94 Cyclohexanone	55	8.924	8.927	-0.003	75	22408	3.11	
93 1,4-Dichlorobutane	55		8.931					9
95 1,1,2,2-Tetrachloroethane	83	9.101	9.102	-0.001	76	56954	1.25	
96 Bromobenzene	156	9.137	9.138	-0.001	92	56830	1.06	
97 1,2,3-Trichloropropane	110	9.149	9.161	-0.012	60	17639	1.23	
98 trans-1,4-Dichloro-2-butene	53	9.161	9.161	0.0	56	10427	0.9566	
99 N-Propylbenzene	120	9.243	9.244	-0.001	97	45800	0.8409	
100 2-Chlorotoluene	126	9.326	9.327	-0.001	96	48046	0.9508	
101 1,3,5-Trimethylbenzene	105	9.409	9.410	-0.001	91	139108	0.8920	
102 4-Chlorotoluene	126	9.433	9.433	0.0	95	51367	0.9501	
103 tert-Butylbenzene	119	9.729	9.729	0.0	89	109526	0.7797	
104 1,2,4-Trimethylbenzene	105	9.776	9.777	0.0	68	137916	0.8647	
105 sec-Butylbenzene	105	9.942	9.942	0.0	90	154530	0.8793	
106 1,3-Dichlorobenzene	146	10.060	10.060	0.0	95	104670	1.05	
107 4-Isopropyltoluene	119	10.084	10.084	0.0	90	124172	0.8651	
108 1,4-Dichlorobenzene	146	10.143	10.143	0.0	84	117329	1.12	
109 1,2,3-Trimethylbenzene	105		10.193					9
110 n-Butylbenzene	91	10.486	10.498	-0.012	95	110430	0.9099	
111 1,2-Dichlorobenzene	146	10.521	10.510	0.011	95	100084	1.09	
112 1,2-Dibromo-3-Chloropropane	157	11.279	11.279	0.0	35	8524	1.57	
113 1,3,5-Trichlorobenzene	180	11.503	11.504	-0.001	88	40406	0.8102	
114 1,2,4-Trichlorobenzene	180	12.119	12.119	0.0	84	61898	1.55	
115 Hexachlorobutadiene	225	12.296	12.297	-0.001	86	38853	1.38	
116 Naphthalene	128	12.367	12.368	-0.001	99	156331	1.57	
117 1,2,3-Trichlorobenzene	180	12.616	12.616	0.0	97	73454	1.90	
118 2-Methylnaphthalene	142		13.669					
S 119 Trihalomethanes, Total	1				0		3.51	
S 120 1,2-Dichloroethene, Total	96				0		1.87	
S 121 1,3-Dichloropropene, Total	75				0		2.39	
S 122 Xylenes, Total	106				0		2.40	
T 144 Isobutylene TIC	1		1.900					1
T 145 1,3-Butadiene TIC	1		2.100					1
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

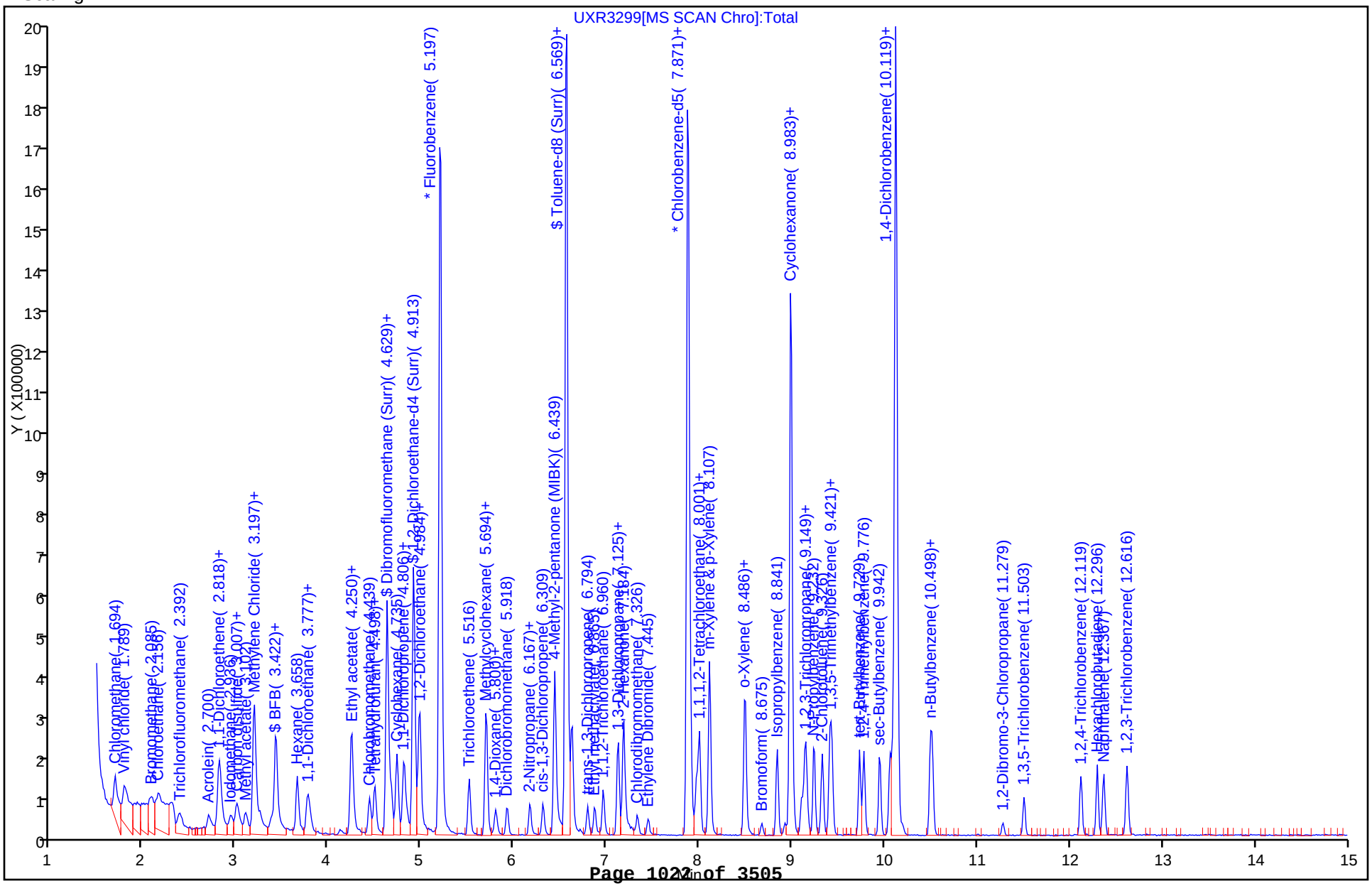
Report Date: 09-Apr-2013 08:43:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130408-18651.b\UXR3299.D

Injection Date:	08-Apr-2013 18:58:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	81013	Lims Sample ID:	21
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A3UX10 Start Date: 04/02/2013 12:48

Analysis Batch Number: 80277 End Date: 04/02/2013 17:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-80277/1		04/02/2013 12:48	1	BFB5167.D	DB-624 0.18(mm)
STD8260 240-80277/2 IC		04/02/2013 13:09	1	UXX3070.D	DB-624 0.18(mm)
STD8260 240-80277/3 IC		04/02/2013 13:31	1	UXX3071.D	DB-624 0.18(mm)
STD8260 240-80277/4 ICIS		04/02/2013 13:52	1	UXX3072.D	DB-624 0.18(mm)
STD8260 240-80277/5 IC		04/02/2013 14:13	1	UXX3073.D	DB-624 0.18(mm)
STD8260 240-80277/6 IC		04/02/2013 14:35	1	UXX3074.D	DB-624 0.18(mm)
STD8260 240-80277/7 IC		04/02/2013 14:56	1	UXX3075.D	DB-624 0.18(mm)
STDA9 240-80277/8 IC		04/02/2013 15:18	1		DB-624 0.18(mm)
STDA9 240-80277/9 IC		04/02/2013 15:39	1		DB-624 0.18(mm)
STDA9 240-80277/10 IC		04/02/2013 16:01	1		DB-624 0.18(mm)
STDA9 240-80277/11 IC		04/02/2013 16:23	1		DB-624 0.18(mm)
STDA9 240-80277/12 IC		04/02/2013 16:45	1		DB-624 0.18(mm)
STDA9 240-80277/13 IC		04/02/2013 17:07	1		DB-624 0.18(mm)
ICV 240-80277/14		04/02/2013 17:28	1	UXX3082.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A3UX10 Start Date: 04/08/2013 11:40

Analysis Batch Number: 81013 End Date: 04/08/2013 19:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-81013/1		04/08/2013 11:40	1	BFB5182.D	DB-624 0.18(mm)
CCV 240-81013/2		04/08/2013 12:07	1	UXR3280.D	DB-624 0.18(mm)
CCV 240-81013/3		04/08/2013 12:28	1	UXR3281.D	DB-624 0.18(mm)
LCS 240-81013/4		04/08/2013 12:50	1	UXR3282.D	DB-624 0.18(mm)
MRL 240-81013/5		04/08/2013 13:12	1	UXR3283.D	DB-624 0.18(mm)
MB 240-81013/6		04/08/2013 13:34	1	UXR3284.D	DB-624 0.18(mm)
ZZZZZ		04/08/2013 13:55	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 14:17	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 14:39	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 15:00	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 15:22	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 15:44	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 16:05	1		DB-624 0.18(mm)
240-22663-30	068SB-0026-0001-TB	04/08/2013 16:27	1	UXR3292.D	DB-624 0.18(mm)
ZZZZZ		04/08/2013 16:48	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 17:09	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 17:31	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 17:52	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 18:14	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 18:36	1		DB-624 0.18(mm)
MRL 240-81013/21		04/08/2013 18:58	1	UXR3299.D	DB-624 0.18(mm)
LODV 240-81013/22		04/08/2013 19:19	1	UXR3300.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A3UX14 Start Date: 04/01/2013 13:20

Analysis Batch Number: 80127 End Date: 04/01/2013 21:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-80127/1		04/01/2013 13:20	1	BFB14383.D	DB-624 0.18(mm)
IC 240-80127/3		04/01/2013 14:03	1	141665.D	DB-624 0.18(mm)
IC 240-80127/4		04/01/2013 14:25	1	141666.D	DB-624 0.18(mm)
IC 240-80127/5		04/01/2013 14:46	1	141667.D	DB-624 0.18(mm)
ICIS 240-80127/6		04/01/2013 15:08	1	141668.D	DB-624 0.18(mm)
IC 240-80127/7		04/01/2013 15:29	1	141669.D	DB-624 0.18(mm)
IC 240-80127/8		04/01/2013 15:51	1	141670.D	DB-624 0.18(mm)
IC 240-80127/9		04/01/2013 16:12	1	141671.D	DB-624 0.18(mm)
IC 240-80127/10		04/01/2013 16:34	1	141672.D	DB-624 0.18(mm)
IC 240-80127/11		04/01/2013 16:55	1	141673.D	DB-624 0.18(mm)
IC 240-80127/12		04/01/2013 17:17	1		DB-624 0.18(mm)
IC 240-80127/13		04/01/2013 17:38	1		DB-624 0.18(mm)
IC 240-80127/14		04/01/2013 18:00	1		DB-624 0.18(mm)
IC 240-80127/15		04/01/2013 18:21	1		DB-624 0.18(mm)
IC 240-80127/16		04/01/2013 18:43	1		DB-624 0.18(mm)
IC 240-80127/17		04/01/2013 19:04	1		DB-624 0.18(mm)
IC 240-80127/18		04/01/2013 19:26	1		DB-624 0.18(mm)
IC 240-80127/19		04/01/2013 19:48	1		DB-624 0.18(mm)
IC 240-80127/20		04/01/2013 20:09	1		DB-624 0.18(mm)
ICV 240-80127/21		04/01/2013 20:31	1	141683.D	DB-624 0.18(mm)
ZZZZZ		04/01/2013 21:14	1		DB-624 0.18(mm)
ZZZZZ		04/01/2013 21:35	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A3UX14 Start Date: 04/08/2013 10:13

Analysis Batch Number: 80954 End Date: 04/08/2013 21:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-80954/1		04/08/2013 10:13	1	BFB14389.D	DB-624 0.18(mm)
CCV 240-80954/4		04/08/2013 11:17	1	141828.D	DB-624 0.18(mm)
CCV 240-80954/9		04/08/2013 11:39	1	141829.D	DB-624 0.18(mm)
MRL 240-80954/5		04/08/2013 12:00	1	141830.D	DB-624 0.18(mm)
LCS 240-80954/6		04/08/2013 12:22	1	141831.D	DB-624 0.18(mm)
MB 240-80954/7		04/08/2013 12:43	1	141832.D	DB-624 0.18(mm)
ZZZZZ		04/08/2013 14:33	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 14:54	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 15:37	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 16:41	1		DB-624 0.18(mm)
240-22663-4	079SB-0014M-0001-SO	04/08/2013 17:03	1	141843.D	DB-624 0.18(mm)
240-22663-7	079SB-0017M-0001-SO	04/08/2013 17:24	1	141844.D	DB-624 0.18(mm)
240-22663-17	073SB-0041M-0001-SO	04/08/2013 17:46	1	141845.D	DB-624 0.18(mm)
240-22663-26	079SB-0026M-0001-SO	04/08/2013 18:07	1	141846.D	DB-624 0.18(mm)
240-22663-28	079SB-0028M-0001-SO	04/08/2013 18:29	1	141847.D	DB-624 0.18(mm)
ZZZZZ		04/08/2013 18:50	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 19:11	1		DB-624 0.18(mm)
ZZZZZ		04/08/2013 19:33	1		DB-624 0.18(mm)
MRL 240-80954/32		04/08/2013 21:42	1	141856.D	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Batch Number: 80597 Batch Start Date: 04/04/13 11:04 Batch Analyst: Mancine, Louis

Batch Method: 5035 Batch End Date: 04/04/13 13:36

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
240-22663-B-4	079SB-0014M-0001 -SO	5035, 8260B/DoD	T	+030.531 g	35.57 g	5.039 g	5 mL		
240-22663-B-7	079SB-0017M-0001 -SO	5035, 8260B/DoD	T	+030.299 g	36.51 g	6.211 g	5 mL		
240-22663-B-17	073SB-0041M-0001 -SO	5035, 8260B/DoD	T	35.47 g	42.29 g	6.82 g	5 mL		
240-22663-B-26	079SB-0026M-0001 -SO	5035, 8260B/DoD	T	35.49 g	41.10 g	5.61 g	5 mL		
240-22663-B-28	079SB-0028M-0001 -SO	5035, 8260B/DoD	T	35.49 g	41.00 g	5.51 g	5 mL		

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270C DOD

Semivolatile Compounds (GC/MS) by Method 8270/DOD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
079SB-0014M-0001-SO	240-22663-4	72	79	66	74	63	63
079SB-0017M-0001-SO	240-22663-7	62	62	50	58	58	55
073SB-0041M-0001-SO	240-22663-17	70	75	64	77	59	62
079SB-0026M-0001-SO	240-22663-26	67	69	56	64	64	56
079SB-0028M-0001-SO	240-22663-28	66	71	54	65	78	59
068SB-0017M-0001-SO	240-22663-31	69	69	57	66	79	62
068SB-0018M-0001-SO	240-22663-32	74	74	60	70	68	56
068SB-0019M-0001-SO	240-22663-33	65	72	58	69	57	57
068SB-0022M-0001-SO	240-22663-34	75	79	62	75	67	63
068SB-0020M-0001-SO	240-22663-35	67	69	57	66	63	59
068SB-0023M-0001-SO	240-22663-36	58	62	54	60	75	61
068SB-0024M-0001-SO	240-22663-37	62	62	53	60	59	53
068SB-0025M-0001-SO	240-22663-38	68	66	54	62	71	60
068SB-0032-0001-SO	240-22663-39	51	52	46	50	61	58
068SB-0027M-0001-SO	240-22663-40	51	52	45	50	62	54
068SB-0028M-0001-SO	240-22663-41	71	73	63	75	86	63
068SB-0030M-0001-SO	240-22663-43	59	62	53	57	68	59
068SB-0031M-0001-SO	240-22663-44	60	63	50	61	69	55
	MB 240-81754/21-A	47	53	50	50	40	61
	LCS 240-81754/22-A	55	57	54	53	62	63
068SB-0031M-0001-SO MS	240-22663-44 MS	55	58	52	52	75	61
068SB-0031M-0001-SO MSD	240-22663-44 MSD	52	57	49	54	66	53

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl (Surr)	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
	MRL 240-82876/3	99	103 Q	100	94	102	101
	MRL 240-82876/23	96	98	93	95	95	101

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
	MRL 240-82940/3	95	97	100	95	104	101
	MRL 240-82940/19	95	96	95	97	108	101

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30421005.D

Lab ID: LCS 240-81754/22-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	408	61	45-110	
Acenaphthylene	667	417	63	45-105	
Anthracene	667	509	76	55-105	
Benzo[a]anthracene	667	533	80	50-110	
Benzo[a]pyrene	667	479	72	50-110	
Benzo[b]fluoranthene	667	520	78	45-115	
Benzo[g,h,i]perylene	667	501	75	40-125	
Benzoic acid	667	330 U	18	0-110	
Benzo[k]fluoranthene	667	498	75	45-125	
Benzyl alcohol	667	409	61	20-125	
Bis(2-chloroethoxy)methane	667	402	60	45-110	
Bis(2-chloroethyl)ether	667	379	57	40-105	
bis (2-chloroisopropyl) ether	667	397	60	20-115	
Bis(2-ethylhexyl) phthalate	667	600	90	45-125	
4-Bromophenyl phenyl ether	667	554	83	45-115	
Butyl benzyl phthalate	667	573	86	50-125	
Carbazole	667	571	86	45-115	
4-Chloroaniline	667	343	51	10-110	
4-Chloro-3-methylphenol	667	461	69	45-115	
2-Chloronaphthalene	667	391	59	45-105	
2-Chlorophenol	667	420	63	45-105	
4-Chlorophenyl phenyl ether	667	471	71	45-110	
Chrysene	667	549	82	55-110	
Dibenz(a,h)anthracene	667	514	77	40-125	
Dibenzofuran	667	434	65	50-105	
1,2-Dichlorobenzene	667	390	59	45-110	
1,3-Dichlorobenzene	667	378	57	40-100	
1,4-Dichlorobenzene	667	385	58	35-105	
3,3'-Dichlorobenzidine	667	374	56	10-130	
2,4-Dichlorophenol	667	397	60	45-110	
Diethyl phthalate	667	470	71	50-115	
2,4-Dimethylphenol	667	333	50	30-105	
Dimethyl phthalate	667	500	75	50-110	
Di-n-butyl phthalate	667	611	92	55-110	
4,6-Dinitro-2-methylphenol	667	538	81	30-135	
2,4-Dinitrophenol	667	459	69	15-130	
2,4-Dinitrotoluene	667	509	76	50-115	
2,6-Dinitrotoluene	667	520	78	50-110	
Di-n-octyl phthalate	667	478	72	40-130	
Fluoranthene	667	605	91	55-115	
Fluorene	667	471	71	50-110	
Hexachlorobenzene	667	584	88	45-120	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30421005.D

Lab ID: LCS 240-81754/22-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	667	375	56	40-115	
Hexachloroethane	667	381	57	35-110	
Indeno[1,2,3-cd]pyrene	667	507	76	40-120	
Isophorone	667	382	57	45-110	
2-Methylnaphthalene	667	385	58	45-105	
2-Methylphenol	667	406	61	40-105	
3 & 4 Methylphenol	1330	838	63	40-105	
Naphthalene	667	381	57	40-105	
2-Nitroaniline	667	516	77	45-120	
3-Nitroaniline	667	433	65	25-110	
4-Nitroaniline	667	473	71	35-115	
Nitrobenzene	667	393	59	40-115	
2-Nitrophenol	667	407	61	40-110	
4-Nitrophenol	667	574	86	15-140	
N-Nitrosodi-n-propylamine	667	396	59	40-115	
N-Nitrosodiphenylamine	667	544	82	50-115	
Pentachlorophenol	667	456	68	25-120	
Phenanthrene	667	503	75	50-110	
Phenol	667	419	63	40-100	
Pyrene	667	591	89	45-125	
1,2,4-Trichlorobenzene	667	380	57	45-110	
2,4,5-Trichlorophenol	667	474	71	50-110	
2,4,6-Trichlorophenol	667	411	62	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30421003.D

Lab ID: MRL 240-82876/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.95	99	70-130	
Acenaphthylene	5.00	4.86	97	70-130	
Anthracene	5.00	5.08	102	70-130	
Benzo[a]anthracene	5.00	4.95	99	70-130	
Benzo[a]pyrene	5.00	4.97	99	70-130	
Benzo[b]fluoranthene	5.00	5.12	102	70-130	
Benzo[g,h,i]perylene	5.00	4.99	100	70-130	
Benzoic acid	10.0	9.53	95	70-130	
Benzo[k]fluoranthene	5.00	4.89	98	70-130	
Benzyl alcohol	5.00	5.28	106	70-130	
Bis(2-chloroethoxy)methane	5.00	5.27	105	70-130	
Bis(2-chloroethyl)ether	5.00	5.15	103	70-130	
bis (2-chloroisopropyl) ether	5.00	5.16	103	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.30	106	70-130	
4-Bromophenyl phenyl ether	5.00	6.21	124	70-130	
Butyl benzyl phthalate	5.00	5.19	104	70-130	
Carbazole	5.00	5.23	105	70-130	
4-Chloroaniline	5.00	5.15	103	70-130	
4-Chloro-3-methylphenol	5.00	5.11	102	70-130	
2-Chloronaphthalene	5.00	4.82	96	70-130	
2-Chlorophenol	5.00	5.17	103	70-130	
4-Chlorophenyl phenyl ether	5.00	5.32	106	70-130	
Chrysene	5.00	5.01	100	70-130	
Dibenz(a,h)anthracene	5.00	5.15	103	70-130	
Dibenzofuran	5.00	4.95	99	70-130	
1,2-Dichlorobenzene	5.00	5.12	102	70-130	
1,3-Dichlorobenzene	5.00	5.11	102	70-130	
1,4-Dichlorobenzene	5.00	5.09	102	70-130	
3,3'-Dichlorobenzidine	10.0	10.7	107	70-130	
2,4-Dichlorophenol	5.00	5.16	103	70-130	
Diethyl phthalate	5.00	4.86	97	70-130	
2,4-Dimethylphenol	5.00	5.08	102	70-130	
Dimethyl phthalate	5.00	5.28	106	70-130	
Di-n-butyl phthalate	5.00	5.50	110	70-130	
4,6-Dinitro-2-methylphenol	10.0	10.0	100	70-130	
2,4-Dinitrophenol	10.0	9.93	99	70-130	
2,4-Dinitrotoluene	5.00	5.18	104	70-130	
2,6-Dinitrotoluene	5.00	5.32	106	70-130	
Di-n-octyl phthalate	5.00	4.68	94	70-130	
Fluoranthene	5.00	5.38	108	70-130	
Fluorene	5.00	5.09	102	70-130	
Hexachlorobenzene	5.00	5.98	120	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30421003.D

Lab ID: MRL 240-82876/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.05	101	70-130	
Hexachloroethane	5.00	5.09	102	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.06	101	70-130	
Isophorone	5.00	5.13	103	70-130	
2-Methylnaphthalene	5.00	5.12	102	70-130	
2-Methylphenol	5.00	5.29	106	70-130	
3 & 4 Methylphenol	5.00	5.20	104	70-130	
Naphthalene	5.00	4.99	100	70-130	
2-Nitroaniline	5.00	5.19	104	70-130	
3-Nitroaniline	5.00	5.13	103	70-130	
4-Nitroaniline	5.00	4.57	91	70-130	
Nitrobenzene	5.00	5.11	102	70-130	
2-Nitrophenol	5.00	5.34	107	70-130	
4-Nitrophenol	10.0	9.41	94	70-130	
N-Nitrosodi-n-propylamine	5.00	5.31	106	70-130	
N-Nitrosodiphenylamine	10.0	11.6	116	70-130	
Pentachlorophenol	10.0	9.46	95	70-130	
Phenanthrene	5.00	4.89	98	70-130	
Phenol	5.00	5.02	100	70-130	
Pyrene	5.00	5.44	109	70-130	
1,2,4-Trichlorobenzene	5.00	5.11	102	70-130	
2,4,5-Trichlorophenol	5.00	4.88	98	70-130	
2,4,6-Trichlorophenol	5.00	5.07	101	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30421023.D

Lab ID: MRL 240-82876/23 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.90	98	70-130	
Acenaphthylene	5.00	4.94	99	70-130	
Anthracene	5.00	4.95	99	70-130	
Benzo[a]anthracene	5.00	4.94	99	70-130	
Benzo[a]pyrene	5.00	4.97	99	70-130	
Benzo[b]fluoranthene	5.00	4.96	99	70-130	
Benzo[g,h,i]perylene	5.00	5.03	101	70-130	
Benzoic acid	10.0	9.11	91	70-130	
Benzo[k]fluoranthene	5.00	4.75	95	70-130	
Benzyl alcohol	5.00	5.16	103	70-130	
Bis(2-chloroethoxy)methane	5.00	4.95	99	70-130	
Bis(2-chloroethyl)ether	5.00	4.71	94	70-130	
bis (2-chloroisopropyl) ether	5.00	4.89	98	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.30	106	70-130	
4-Bromophenyl phenyl ether	5.00	5.74	115	70-130	
Butyl benzyl phthalate	5.00	5.17	103	70-130	
Carbazole	5.00	5.32	106	70-130	
4-Chloroaniline	5.00	5.10	102	70-130	
4-Chloro-3-methylphenol	5.00	5.06	101	70-130	
2-Chloronaphthalene	5.00	4.80	96	70-130	
2-Chlorophenol	5.00	5.10	102	70-130	
4-Chlorophenyl phenyl ether	5.00	5.23	105	70-130	
Chrysene	5.00	4.87	97	70-130	
Dibenz(a,h)anthracene	5.00	5.22	104	70-130	
Dibenzofuran	5.00	4.92	98	70-130	
1,2-Dichlorobenzene	5.00	5.08	102	70-130	
1,3-Dichlorobenzene	5.00	5.10	102	70-130	
1,4-Dichlorobenzene	5.00	5.05	101	70-130	
3,3'-Dichlorobenzidine	10.0	11.0	110	70-130	
2,4-Dichlorophenol	5.00	4.92	98	70-130	
Diethyl phthalate	5.00	4.71	94	70-130	
2,4-Dimethylphenol	5.00	4.89	98	70-130	
Dimethyl phthalate	5.00	5.27	105	70-130	
Di-n-butyl phthalate	5.00	5.57	111	70-130	
4,6-Dinitro-2-methylphenol	10.0	7.98	80	70-130	
2,4-Dinitrophenol	10.0	6.26	63	70-130	^
2,4-Dinitrotoluene	5.00	4.68	94	70-130	
2,6-Dinitrotoluene	5.00	5.26	105	70-130	
Di-n-octyl phthalate	5.00	4.38	88	70-130	
Fluoranthene	5.00	5.35	107	70-130	
Fluorene	5.00	5.12	102	70-130	
Hexachlorobenzene	5.00	5.75	115	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30421023.D

Lab ID: MRL 240-82876/23 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.04	101	70-130	
Hexachloroethane	5.00	4.81	96	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.07	101	70-130	
Isophorone	5.00	4.89	98	70-130	
2-Methylnaphthalene	5.00	4.99	100	70-130	
2-Methylphenol	5.00	5.12	102	70-130	
3 & 4 Methylphenol	5.00	5.18	104	70-130	
Naphthalene	5.00	4.93	99	70-130	
2-Nitroaniline	5.00	5.01	100	70-130	
3-Nitroaniline	5.00	5.16	103	70-130	
4-Nitroaniline	5.00	4.75	95	70-130	
Nitrobenzene	5.00	4.79	96	70-130	
2-Nitrophenol	5.00	5.11	102	70-130	
4-Nitrophenol	10.0	9.22	92	70-130	
N-Nitrosodi-n-propylamine	5.00	5.12	102	70-130	
N-Nitrosodiphenylamine	10.0	11.2	112	70-130	
Pentachlorophenol	10.0	9.82	98	70-130	
Phenanthrene	5.00	4.75	95	70-130	
Phenol	5.00	4.97	99	70-130	
Pyrene	5.00	5.41	108	70-130	
1,2,4-Trichlorobenzene	5.00	4.91	98	70-130	
2,4,5-Trichlorophenol	5.00	4.93	99	70-130	
2,4,6-Trichlorophenol	5.00	4.98	100	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30422003.D

Lab ID: MRL 240-82940/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.08	102	70-130	
Acenaphthylene	5.00	4.97	99	70-130	
Anthracene	5.00	5.15	103	70-130	
Benzo[a]anthracene	5.00	4.97	99	70-130	
Benzo[a]pyrene	5.00	5.05	101	70-130	
Benzo[b]fluoranthene	5.00	4.95	99	70-130	
Benzo[g,h,i]perylene	5.00	5.09	102	70-130	
Benzoic acid	10.0	9.45	94	70-130	
Benzo[k]fluoranthene	5.00	5.03	101	70-130	
Benzyl alcohol	5.00	4.72	94	70-130	
Bis(2-chloroethoxy)methane	5.00	4.98	100	70-130	
Bis(2-chloroethyl)ether	5.00	4.67	93	70-130	
bis (2-chloroisopropyl) ether	5.00	4.87	97	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.09	102	70-130	
4-Bromophenyl phenyl ether	5.00	5.63	113	70-130	
Butyl benzyl phthalate	5.00	5.05	101	70-130	
Carbazole	5.00	4.98	100	70-130	
4-Chloroaniline	5.00	5.18	104	70-130	
4-Chloro-3-methylphenol	5.00	5.15	103	70-130	
2-Chloronaphthalene	5.00	4.85	97	70-130	
2-Chlorophenol	5.00	5.00	100	70-130	
4-Chlorophenyl phenyl ether	5.00	5.18	104	70-130	
Chrysene	5.00	5.02	100	70-130	
Dibenz(a,h)anthracene	5.00	5.20	104	70-130	
Dibenzofuran	5.00	4.98	100	70-130	
1,2-Dichlorobenzene	5.00	4.95	99	70-130	
1,3-Dichlorobenzene	5.00	5.08	102	70-130	
1,4-Dichlorobenzene	5.00	4.90	98	70-130	
3,3'-Dichlorobenzidine	10.0	10.5	105	70-130	
2,4-Dichlorophenol	5.00	5.05	101	70-130	
Diethyl phthalate	5.00	4.95	99	70-130	
2,4-Dimethylphenol	5.00	4.94	99	70-130	
Dimethyl phthalate	5.00	5.31	106	70-130	
Di-n-butyl phthalate	5.00	5.19	104	70-130	
4,6-Dinitro-2-methylphenol	10.0	9.93	99	70-130	
2,4-Dinitrophenol	10.0	10.3	103	70-130	
2,4-Dinitrotoluene	5.00	5.14	103	70-130	
2,6-Dinitrotoluene	5.00	5.24	105	70-130	
Di-n-octyl phthalate	5.00	4.36	87	70-130	
Fluoranthene	5.00	5.16	103	70-130	
Fluorene	5.00	5.13	103	70-130	
Hexachlorobenzene	5.00	5.65	113	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30422003.D

Lab ID: MRL 240-82940/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	4.97	99	70-130	
Hexachloroethane	5.00	4.98	100	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.16	103	70-130	
Isophorone	5.00	5.04	101	70-130	
2-Methylnaphthalene	5.00	4.97	99	70-130	
2-Methylphenol	5.00	4.82	96	70-130	
3 & 4 Methylphenol	5.00	4.94	99	70-130	
Naphthalene	5.00	4.99	100	70-130	
2-Nitroaniline	5.00	5.46	109	70-130	
3-Nitroaniline	5.00	5.29	106	70-130	
4-Nitroaniline	5.00	4.72	94	70-130	
Nitrobenzene	5.00	5.02	100	70-130	
2-Nitrophenol	5.00	5.15	103	70-130	
4-Nitrophenol	10.0	9.59	96	70-130	
N-Nitrosodi-n-propylamine	5.00	5.01	100	70-130	
N-Nitrosodiphenylamine	10.0	11.1	111	70-130	
Pentachlorophenol	10.0	9.65	97	70-130	
Phenanthrene	5.00	4.90	98	70-130	
Phenol	5.00	4.93	99	70-130	
Pyrene	5.00	5.31	106	70-130	
1,2,4-Trichlorobenzene	5.00	5.04	101	70-130	
2,4,5-Trichlorophenol	5.00	5.29	106	70-130	
2,4,6-Trichlorophenol	5.00	5.08	102	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30422019.D

Lab ID: MRL 240-82940/19 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.06	101	70-130	
Acenaphthylene	5.00	5.01	100	70-130	
Anthracene	5.00	5.00	100	70-130	
Benzo[a]anthracene	5.00	4.89	98	70-130	
Benzo[a]pyrene	5.00	5.09	102	70-130	
Benzo[b]fluoranthene	5.00	4.94	99	70-130	
Benzo[g,h,i]perylene	5.00	5.34	107	70-130	
Benzoic acid	10.0	9.07	91	70-130	
Benzo[k]fluoranthene	5.00	4.96	99	70-130	
Benzyl alcohol	5.00	4.86	97	70-130	
Bis(2-chloroethoxy)methane	5.00	4.91	98	70-130	
Bis(2-chloroethyl)ether	5.00	4.84	97	70-130	
bis (2-chloroisopropyl) ether	5.00	4.71	94	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.38	108	70-130	
4-Bromophenyl phenyl ether	5.00	5.58	112	70-130	
Butyl benzyl phthalate	5.00	5.22	104	70-130	
Carbazole	5.00	4.97	99	70-130	
4-Chloroaniline	5.00	5.02	100	70-130	
4-Chloro-3-methylphenol	5.00	4.95	99	70-130	
2-Chloronaphthalene	5.00	4.88	98	70-130	
2-Chlorophenol	5.00	4.89	98	70-130	
4-Chlorophenyl phenyl ether	5.00	5.14	103	70-130	
Chrysene	5.00	4.93	99	70-130	
Dibenz(a,h)anthracene	5.00	5.21	104	70-130	
Dibenzofuran	5.00	5.00	100	70-130	
1,2-Dichlorobenzene	5.00	4.99	100	70-130	
1,3-Dichlorobenzene	5.00	4.93	99	70-130	
1,4-Dichlorobenzene	5.00	4.78	96	70-130	
3,3'-Dichlorobenzidine	10.0	11.0	110	70-130	
2,4-Dichlorophenol	5.00	4.87	97	70-130	
Diethyl phthalate	5.00	5.01	100	70-130	
2,4-Dimethylphenol	5.00	4.95	99	70-130	
Dimethyl phthalate	5.00	5.36	107	70-130	
Di-n-butyl phthalate	5.00	5.28	106	70-130	
4,6-Dinitro-2-methylphenol	10.0	9.12	91	70-130	
2,4-Dinitrophenol	10.0	8.69	87	70-130	
2,4-Dinitrotoluene	5.00	5.08	102	70-130	
2,6-Dinitrotoluene	5.00	5.36	107	70-130	
Di-n-octyl phthalate	5.00	4.57	91	70-130	
Fluoranthene	5.00	5.24	105	70-130	
Fluorene	5.00	5.16	103	70-130	
Hexachlorobenzene	5.00	5.54	111	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30422019.D

Lab ID: MRL 240-82940/19 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.00	100	70-130	
Hexachloroethane	5.00	4.90	98	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.23	105	70-130	
Isophorone	5.00	4.85	97	70-130	
2-Methylnaphthalene	5.00	4.90	98	70-130	
2-Methylphenol	5.00	5.06	101	70-130	
3 & 4 Methylphenol	5.00	5.10	102	70-130	
Naphthalene	5.00	4.86	97	70-130	
2-Nitroaniline	5.00	5.25	105	70-130	
3-Nitroaniline	5.00	5.33	107	70-130	
4-Nitroaniline	5.00	4.59	92	70-130	
Nitrobenzene	5.00	4.85	97	70-130	
2-Nitrophenol	5.00	5.01	100	70-130	
4-Nitrophenol	10.0	10.1	101	70-130	
N-Nitrosodi-n-propylamine	5.00	4.91	98	70-130	
N-Nitrosodiphenylamine	10.0	11.0	110	70-130	
Pentachlorophenol	10.0	10.0	100	70-130	
Phenanthrene	5.00	4.86	97	70-130	
Phenol	5.00	4.76	95	70-130	
Pyrene	5.00	5.40	108	70-130	
1,2,4-Trichlorobenzene	5.00	5.09	102	70-130	
2,4,5-Trichlorophenol	5.00	5.24	105	70-130	
2,4,6-Trichlorophenol	5.00	5.09	102	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30421020.D

Lab ID: 240-22663-44 MS Client ID: 068SB-0031M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	660	16 U	422	64	45-110	D
Acenaphthylene	660	16 U	426	65	45-105	D
Anthracene	660	16 U	444	67	55-105	D
Benzo[a]anthracene	660	16 U	537	81	50-110	D
Benzo[a]pyrene	660	16 U	428	65	50-110	D
Benzo[b]fluoranthene	660	21 J	491	71	45-115	D
Benzo[g,h,i]perylene	660	16 U	514	78	40-125	D
Benzoic acid	660	1600 U	1600 U	NC	0-110	
Benzo[k]fluoranthene	660	16 U	461	70	45-125	D
Benzyl alcohol	660	130 U	384 J	58	20-125	D
Bis(2-chloroethoxy)methane	660	130 U	398 J	60	45-110	D
Bis(2-chloroethyl)ether	660	16 U	370 J	56	40-105	D
bis (2-chloroisopropyl) ether	660	130 U	369 J	56	20-115	D
Bis(2-ethylhexyl) phthalate	660	130 U	630	96	45-125	D
4-Bromophenyl phenyl ether	660	130 U	512	78	45-115	D
Butyl benzyl phthalate	660	130 U	561	85	50-125	D
Carbazole	660	130 U	499	76	45-115	D
4-Chloroaniline	660	130 U	326 J	49	10-95	D
4-Chloro-3-methylphenol	660	130 U	466 J	71	45-115	D
2-Chloronaphthalene	660	16 U	405	61	45-105	D
2-Chlorophenol	660	130 U	413	63	45-105	D
4-Chlorophenyl phenyl ether	660	130 U	481	73	45-110	D
Chrysene	660	16 U	575	87	55-110	D
Dibenz(a,h)anthracene	660	16 U	526	80	40-125	D M
Dibenzofuran	660	16 U	453	69	50-105	D
1,2-Dichlorobenzene	660	130 U	383	58	45-95	D
1,3-Dichlorobenzene	660	130 U	371	56	40-100	D
1,4-Dichlorobenzene	660	130 U	362	55	35-105	D
3,3'-Dichlorobenzidine	660	390 U	285 J	43	10-130	D
2,4-Dichlorophenol	660	130 U	413 J	63	45-110	D
Diethyl phthalate	660	130 U	550	83	50-115	D
2,4-Dimethylphenol	660	390 U	156 J	24	30-105	J D
Dimethyl phthalate	660	130 U	509	77	50-110	D
Di-n-butyl phthalate	660	110 J	528	63	55-110	D
4,6-Dinitro-2-methylphenol	660	390 U	400 U	0	30-135	J
2,4-Dinitrophenol	660	390 U	400 U	0	15-130	J
2,4-Dinitrotoluene	660	130 U	485 J	74	50-115	D
2,6-Dinitrotoluene	660	130 U	465 J	70	50-110	D
Di-n-octyl phthalate	660	130 U	486	74	40-130	D
Fluoranthene	660	28 J	480	68	55-115	D
Fluorene	660	16 U	491	74	50-110	D
Hexachlorobenzene	660	16 U	502	76	45-120	D

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30421020.D

Lab ID: 240-22663-44 MS Client ID: 068SB-0031M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Hexachlorobutadiene	660	130 U	394	60	40-115	D
Hexachloroethane	660	130 U	334	51	35-110	D
Indeno[1,2,3-cd]pyrene	660	16 U	505	77	40-120	D
Isophorone	660	130 U	363	55	45-110	D
2-Methylnaphthalene	660	16 U	387	59	45-105	D
2-Methylphenol	660	390 U	400 U	0	40-105	J
3 & 4 Methylphenol	1320	390 U	775 J	59	40-105	D
Naphthalene	660	16 U	398	60	40-105	D
2-Nitroaniline	660	130 U	459 J	70	45-120	D
3-Nitroaniline	660	390 U	424 J	64	25-110	D
4-Nitroaniline	660	130 U	604 J	92	35-115	D
Nitrobenzene	660	16 U	385 J	58	40-115	D
2-Nitrophenol	660	130 U	396	60	40-110	D
4-Nitrophenol	660	390 U	400 U	0	15-140	J
N-Nitrosodi-n-propylamine	660	130 U	358	54	40-115	D
N-Nitrosodiphenylamine	660	130 U	511	78	50-115	D
Pentachlorophenol	660	390 U	470 J	71	25-120	D
Phenanthrene	660	16 U	502	76	50-110	D
Phenol	660	130 U	405	61	40-100	D
Pyrene	660	17 J	575	85	45-125	D
1,2,4-Trichlorobenzene	660	130 U	386	58	45-110	D
2,4,5-Trichlorophenol	660	130 U	465 J	70	50-110	D
2,4,6-Trichlorophenol	660	390 U	406 J	62	45-110	D

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30421021.D

Lab ID: 240-22663-44 MSD Client ID: 068SB-0031M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	661	444	67	5	30	45-110	D
Acenaphthylene	661	421	64	1	30	45-105	D
Anthracene	661	427	65	4	30	55-105	D
Benzo[a]anthracene	661	479	73	11	30	50-110	D
Benzo[a]pyrene	661	388	59	10	30	50-110	D
Benzo[b]fluoranthene	661	424	61	15	30	45-115	D
Benzo[g,h,i]perylene	661	445	67	14	30	40-125	D
Benzoic acid	661	1600 U	NC	NC	30	0-110	
Benzo[k]fluoranthene	661	411	62	11	30	45-125	D
Benzyl alcohol	661	393 J	60	2	30	20-125	D
Bis(2-chloroethoxy)methane	661	376 J	57	6	30	45-110	D
Bis(2-chloroethyl)ether	661	364 J	55	1	30	40-105	D
bis (2-chloroisopropyl) ether	661	377 J	57	2	30	20-115	D
Bis(2-ethylhexyl) phthalate	661	543	82	15	30	45-125	D
4-Bromophenyl phenyl ether	661	459	70	11	30	45-115	D
Butyl benzyl phthalate	661	498	75	12	30	50-125	D
Carbazole	661	468	71	6	30	45-115	D
4-Chloroaniline	661	305 J	46	7	30	10-95	D
4-Chloro-3-methylphenol	661	450 J	68	4	30	45-115	D
2-Chloronaphthalene	661	404	61	0	30	45-105	D
2-Chlorophenol	661	401	61	3	30	45-105	D
4-Chlorophenyl phenyl ether	661	479	73	0	30	45-110	D
Chrysene	661	509	77	12	30	55-110	D
Dibenz(a,h)anthracene	661	453	69	15	30	40-125	D
Dibenzofuran	661	451	68	0	30	50-105	D
1,2-Dichlorobenzene	661	373	57	3	30	45-95	D
1,3-Dichlorobenzene	661	363	55	2	30	40-100	D
1,4-Dichlorobenzene	661	361	55	0	30	35-105	D
3,3'-Dichlorobenzidine	661	227 J	34	23	30	10-130	D
2,4-Dichlorophenol	661	430 J	65	4	30	45-110	D
Diethyl phthalate	661	525	80	5	30	50-115	D
2,4-Dimethylphenol	661	183 J	28	16	30	30-105	D J
Dimethyl phthalate	661	489	74	4	30	50-110	D
Di-n-butyl phthalate	661	492	57	7	30	55-110	D
4,6-Dinitro-2-methylphenol	661	471 J	71	200	30	30-135	D J
2,4-Dinitrophenol	661	400 U	0	NC	30	15-130	J
2,4-Dinitrotoluene	661	460 J	70	5	30	50-115	D
2,6-Dinitrotoluene	661	493 J	75	6	30	50-110	D
Di-n-octyl phthalate	661	438	66	10	30	40-130	D
Fluoranthene	661	441	62	9	30	55-115	D
Fluorene	661	482	73	2	30	50-110	D
Hexachlorobenzene	661	446	67	12	30	45-120	D

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 30421021.D

Lab ID: 240-22663-44 MSD Client ID: 068SB-0031M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachlorobutadiene	661	369	56	7	30	40-115	D
Hexachloroethane	661	348	53	4	30	35-110	D
Indeno[1,2,3-cd]pyrene	661	430	65	16	30	40-120	D M
Isophorone	661	361	55	1	30	45-110	D
2-Methylnaphthalene	661	399	60	3	30	45-105	D
2-Methylphenol	661	400 U	0	NC	30	40-105	J
3 & 4 Methylphenol	1320	846 J	64	9	30	40-105	D
Naphthalene	661	388	59	2	30	40-105	D
2-Nitroaniline	661	453 J	69	1	30	45-120	D
3-Nitroaniline	661	403 J	61	5	30	25-110	D
4-Nitroaniline	661	556 J	84	8	30	35-115	D
Nitrobenzene	661	369 J	56	4	30	40-115	D
2-Nitrophenol	661	366	55	8	30	40-110	D
4-Nitrophenol	661	400 U	0	NC	30	15-140	J
N-Nitrosodi-n-propylamine	661	375	57	5	30	40-115	D
N-Nitrosodiphenylamine	661	474	72	7	30	50-115	D
Pentachlorophenol	661	548 J	83	15	30	25-120	D
Phenanthrene	661	454	69	10	30	50-110	D
Phenol	661	409	62	1	30	40-100	D
Pyrene	661	519	76	10	30	45-125	D
1,2,4-Trichlorobenzene	661	386	58	0	30	45-110	D
2,4,5-Trichlorophenol	661	443 J	67	5	30	50-110	D
2,4,6-Trichlorophenol	661	425 J	64	5	30	45-110	D

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab File ID: 30421004.D Lab Sample ID: MB 240-81754/21-A

Matrix: Solid Date Extracted: 04/12/2013 13:15

Instrument ID: A4HP9 Date Analyzed: 04/21/2013 12:14

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-81754/22-A	30421005.D	04/21/2013 12:40
068SB-0027M-0001-SO	240-22663-40	30421010.D	04/21/2013 14:50
068SB-0032-0001-SO	240-22663-39	30421011.D	04/21/2013 15:16
068SB-0028M-0001-SO	240-22663-41	30421012.D	04/21/2013 15:42
068SB-0030M-0001-SO	240-22663-43	30421013.D	04/21/2013 16:09
068SB-0017M-0001-SO	240-22663-31	30421015.D	04/21/2013 17:01
068SB-0023M-0001-SO	240-22663-36	30421016.D	04/21/2013 17:27
068SB-0024M-0001-SO	240-22663-37	30421017.D	04/21/2013 17:53
068SB-0025M-0001-SO	240-22663-38	30421018.D	04/21/2013 18:19
068SB-0031M-0001-SO	240-22663-44	30421019.D	04/21/2013 18:45
068SB-0031M-0001-SO MS	240-22663-44 MS	30421020.D	04/21/2013 19:11
068SB-0031M-0001-SO MSD	240-22663-44 MSD	30421021.D	04/21/2013 19:38
068SB-0020M-0001-SO	240-22663-35	30421022.D	04/21/2013 20:04
079SB-0014M-0001-SO	240-22663-4	30422009.D	04/22/2013 12:38
073SB-0041M-0001-SO	240-22663-17	30422010.D	04/22/2013 13:04
079SB-0028M-0001-SO	240-22663-28	30422011.D	04/22/2013 13:30
068SB-0018M-0001-SO	240-22663-32	30422012.D	04/22/2013 13:57
079SB-0017M-0001-SO	240-22663-7	30422013.D	04/22/2013 14:23
079SB-0026M-0001-SO	240-22663-26	30422014.D	04/22/2013 14:49
068SB-0019M-0001-SO	240-22663-33	30422015.D	04/22/2013 15:15
068SB-0022M-0001-SO	240-22663-34	30422016.D	04/22/2013 15:41

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab File ID: 30419101.D DFTPP Injection Date: 04/19/2013

Instrument ID: A4HP9 DFTPP Injection Time: 10:21

Analysis Batch No.: 82668

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	45.7	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	64.0	
70	Less than 2.0% of mass 69	0.4	(0.6)1
127	25.0 - 75.0% of mass 198	50.5	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.7	
275	10.0- 30.0% of mass 198	22.4	
365	Greater than 0.75% of mass 198	3.3	
441	Present, but less than mass 443	11.1	
442	40.0 - 110.0% of mass 198	68.5	
443	15.0 - 24.0% of mass 442	13.2	(19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-82668/2	30419102.D	04/19/2013	10:42
	STD4 240-82668/3	30419103.D	04/19/2013	11:08
	STD3 240-82668/4	30419104.D	04/19/2013	11:34
	STD2 240-82668/5	30419105.D	04/19/2013	12:01
	STD1 240-82668/6	30419106.D	04/19/2013	12:27
	STD9 240-82668/7	30419107.D	04/19/2013	12:53
	STD8 240-82668/8	30419108.D	04/19/2013	13:19
	STD7 240-82668/9	30419109.D	04/19/2013	13:45
	STD6 240-82668/10	30419110.D	04/19/2013	14:12
	ICV 240-82668/11	30419111.D	04/19/2013	14:38

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab File ID: 30421001.D DFTPP Injection Date: 04/21/2013

Instrument ID: A4HP9 DFTPP Injection Time: 10:55

Analysis Batch No.: 82876

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	42.9	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	60.8	
70	Less than 2.0% of mass 69	0.4	(0.6)1
127	25.0 - 75.0% of mass 198	49.4	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.5	
275	10.0- 30.0% of mass 198	22.4	
365	Greater than 0.75% of mass 198	3.2	
441	Present, but less than mass 443	12.3	
442	40.0 - 110.0% of mass 198	77.2	
443	15.0 - 24.0% of mass 442	14.7	(19.0)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-82876/2	30421002.D	04/21/2013	11:16
	MRL 240-82876/3	30421003.D	04/21/2013	11:42
	MB 240-81754/21-A	30421004.D	04/21/2013	12:14
	LCS 240-81754/22-A	30421005.D	04/21/2013	12:40
068SB-0027M-0001-SO	240-22663-40	30421010.D	04/21/2013	14:50
068SB-0032-0001-SO	240-22663-39	30421011.D	04/21/2013	15:16
068SB-0028M-0001-SO	240-22663-41	30421012.D	04/21/2013	15:42
068SB-0030M-0001-SO	240-22663-43	30421013.D	04/21/2013	16:09
068SB-0017M-0001-SO	240-22663-31	30421015.D	04/21/2013	17:01
068SB-0023M-0001-SO	240-22663-36	30421016.D	04/21/2013	17:27
068SB-0024M-0001-SO	240-22663-37	30421017.D	04/21/2013	17:53
068SB-0025M-0001-SO	240-22663-38	30421018.D	04/21/2013	18:19
068SB-0031M-0001-SO	240-22663-44	30421019.D	04/21/2013	18:45
068SB-0031M-0001-SO MS	240-22663-44 MS	30421020.D	04/21/2013	19:11
068SB-0031M-0001-SO MSD	240-22663-44 MSD	30421021.D	04/21/2013	19:38
068SB-0020M-0001-SO	240-22663-35	30421022.D	04/21/2013	20:04
	MRL 240-82876/23	30421023.D	04/21/2013	20:30
	mdll1	30421024.D	04/21/2013	20:56
	mdll2	30421025.D	04/21/2013	21:22
	mdll3	30421026.D	04/21/2013	21:48
	mdll4	30421027.D	04/21/2013	22:14

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab File ID: 30422001.D DFTPP Injection Date: 04/22/2013

Instrument ID: A4HP9 DFTPP Injection Time: 09:11

Analysis Batch No.: 82940

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	45.3	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	63.8	
70	Less than 2.0% of mass 69	0.2	(0.2)1
127	25.0 - 75.0% of mass 198	51.6	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	7.0	
275	10.0- 30.0% of mass 198	22.7	
365	Greater than 0.75% of mass 198	3.0	
441	Present, but less than mass 443	11.2	
442	40.0 - 110.0% of mass 198	67.6	
443	15.0 - 24.0% of mass 442	12.7	(18.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-82940/2	30422002.D	04/22/2013	09:33
	MRL 240-82940/3	30422003.D	04/22/2013	09:59
079SB-0014M-0001-SO	240-22663-4	30422009.D	04/22/2013	12:38
073SB-0041M-0001-SO	240-22663-17	30422010.D	04/22/2013	13:04
079SB-0028M-0001-SO	240-22663-28	30422011.D	04/22/2013	13:30
068SB-0018M-0001-SO	240-22663-32	30422012.D	04/22/2013	13:57
079SB-0017M-0001-SO	240-22663-7	30422013.D	04/22/2013	14:23
079SB-0026M-0001-SO	240-22663-26	30422014.D	04/22/2013	14:49
068SB-0019M-0001-SO	240-22663-33	30422015.D	04/22/2013	15:15
068SB-0022M-0001-SO	240-22663-34	30422016.D	04/22/2013	15:41
	MRL 240-82940/19	30422019.D	04/22/2013	17:00

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: STD6 240-82668/10 Date Analyzed: 04/19/2013 14:12

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 30419110.D Heated Purge: (Y/N) N

Calibration ID: 14643

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		196394	6.75	818437	7.86	475386	9.37
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-82668/11		184345	6.75	782369	7.86	449358	9.37
CCV 240-82876/2		181292	6.73	774302	7.85	466264	9.35
MRL 240-82876/3		183085	6.74	769532	7.84	472374	9.35
MB 240-81754/21-A		151244	6.74	628127	7.84	375133	9.35
LCS 240-81754/22-A		163695	6.74	702635	7.84	411968	9.35
240-22663-40	068SB-0027M-0001-SO	193351	6.74	793100	7.85	473254	9.35
240-22663-39	068SB-0032-0001-SO	165622	6.74	653725	7.84	390556	9.35
240-22663-41	068SB-0028M-0001-SO	184206	6.74	755578	7.85	410014	9.35
240-22663-43	068SB-0030M-0001-SO	163630	6.74	683504	7.84	416677	9.35
240-22663-31	068SB-0017M-0001-SO	185377	6.74	793409	7.84	469333	9.35
240-22663-36	068SB-0023M-0001-SO	180394	6.74	735691	7.84	445303	9.35
240-22663-37	068SB-0024M-0001-SO	188956	6.74	783150	7.84	474617	9.35
240-22663-38	068SB-0025M-0001-SO	181937	6.74	764696	7.84	460250	9.35
240-22663-44	068SB-0031M-0001-SO	197021	6.74	830497	7.84	494253	9.35
240-22663-44 MS	068SB-0031M-0001-SO MS	170116	6.74	690350	7.84	417928	9.35
240-22663-44 MSD	068SB-0031M-0001-SO MSD	193454	6.73	810251	7.84	487187	9.35
240-22663-35	068SB-0020M-0001-SO	183924	6.74	764714	7.85	450676	9.35
MRL 240-82876/23		251404	6.73	1078967	7.84	650088	9.35
mdl11 LODV		225913	6.74	922940	7.84	549479	9.35
mdl12 LODV		232599	6.73	951013	7.84	572671	9.35
mdl13 LODV		236230	6.74	937399	7.84	555867	9.35
mdl14 LODV		226575	6.73	940468	7.84	563432	9.35
CCV 240-82940/2		177232	6.72	735286	7.83	439002	9.34
MRL 240-82940/3		187677	6.71	760602	7.83	450336	9.33
240-22663-4	079SB-0014M-0001-SO	151337	6.72	625772	7.83	379457	9.33
240-22663-17	073SB-0041M-0001-SO	177195	6.72	735770	7.83	442739	9.33
240-22663-28	079SB-0028M-0001-SO	184197	6.72	776725	7.83	460409	9.33

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: STD6 240-82668/10 Date Analyzed: 04/19/2013 14:12

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 30419110.D Heated Purge: (Y/N) N

Calibration ID: 14643

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		196394	6.75	818437	7.86	475386	9.37
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-22663-32	068SB-0018M-0001-SO	163600	6.72	680924	7.83	417508	9.33
240-22663-7	079SB-0017M-0001-SO	172433	6.72	719544	7.83	427060	9.33
240-22663-26	079SB-0026M-0001-SO	185383	6.72	767944	7.83	471176	9.33
240-22663-33	068SB-0019M-0001-SO	158551	6.72	662110	7.83	393757	9.33
240-22663-34	068SB-0022M-0001-SO	163724	6.72	700084	7.82	410070	9.33
MRL 240-82940/19		189001	6.72	778803	7.82	456081	9.33

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: STD6 240-82668/10 Date Analyzed: 04/19/2013 14:12

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 30419110.D Heated Purge: (Y/N) N

Calibration ID: 14643

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		664233	10.65	932069	13.03	741321	15.11
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-82668/11		632105	10.65	876638	13.03	726232	15.11
CCV 240-82876/2		679330	10.62	905979	13.00	729804	15.06
MRL 240-82876/3		652578	10.62	910406	13.00	734583	15.05
MB 240-81754/21-A		664171	10.63	717320	13.00	592710	15.06
LCS 240-81754/22-A		580314	10.63	815067	13.00	685341	15.05
240-22663-40	068SB-0027M-0001-SO	711555	10.62	940345	13.00	840024	15.05
240-22663-39	068SB-0032-0001-SO	663496	10.63	770471	13.00	689367	15.05
240-22663-41	068SB-0028M-0001-SO	736359	10.62	878080	13.00	806303	15.05
240-22663-43	068SB-0030M-0001-SO	701742	10.62	838105	13.00	766656	15.05
240-22663-31	068SB-0017M-0001-SO	754389	10.62	959816	12.99	918179	15.06
240-22663-36	068SB-0023M-0001-SO	774442	10.62	955777	13.00	915456	15.05
240-22663-37	068SB-0024M-0001-SO	837130	10.63	966818	13.00	925036	15.05
240-22663-38	068SB-0025M-0001-SO	722615	10.62	921863	13.00	888717	15.06
240-22663-44	068SB-0031M-0001-SO	855695	10.63	999579	13.00	921310	15.06
240-22663-44 MS	068SB-0031M-0001-SO MS	710257	10.62	853423	13.00	828954	15.06
240-22663-44 MSD	068SB-0031M-0001-SO MSD	813809	10.63	942420	13.00	868249	15.05
240-22663-35	068SB-0020M-0001-SO	804207	10.62	932813	13.00	848809	15.05
MRL 240-82876/23		918114	10.63	1270017	13.00	1083108	15.06
mdl11 LODV		948597	10.62	1112082	13.00	985977	15.05
mdl12 LODV		1010888	10.62	1197974	12.99	1034900	15.06
mdl13 LODV		923778	10.62	1114509	13.00	993693	15.06
mdl14 LODV		927196	10.62	1156204	13.00	1023936	15.06
CCV 240-82940/2		644918	10.61	881768	12.98	705201	15.02
MRL 240-82940/3		652304	10.60	889044	12.98	721987	15.02
240-22663-4	079SB-0014M-0001-SO	601294	10.61	772536	12.97	695911	15.01
240-22663-17	073SB-0041M-0001-SO	729070	10.61	891001	12.97	773272	15.01
240-22663-28	079SB-0028M-0001-SO	813402	10.61	915928	12.97	793160	15.01

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: STD6 240-82668/10 Date Analyzed: 04/19/2013 14:12

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 30419110.D Heated Purge: (Y/N) N

Calibration ID: 14643

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		664233	10.65	932069	13.03	741321	15.11
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-22663-32	068SB-0018M-0001-SO	681976	10.60	840079	12.97	729998	15.01
240-22663-7	079SB-0017M-0001-SO	724479	10.61	840180	12.97	746208	15.01
240-22663-26	079SB-0026M-0001-SO	747735	10.61	912398	12.97	765165	15.01
240-22663-33	068SB-0019M-0001-SO	656827	10.60	788274	12.97	685940	15.01
240-22663-34	068SB-0022M-0001-SO	695621	10.61	845911	12.97	728233	15.01
MRL 240-82940/19		674647	10.61	903410	12.97	756950	15.01

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0014M-0001-SO | Lab Sample ID: 240-22663-4

Matrix: Solid | Lab File ID: 30422009.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 10:12

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.57(g) | Date Analyzed: 04/22/2013 12:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	34	17	17
208-96-8	Acenaphthylene	17	U	34	17	17
120-12-7	Anthracene	17	U	34	17	17
56-55-3	Benzo[a]anthracene	17	U	34	17	17
50-32-8	Benzo[a]pyrene	17	U	34	17	17
205-99-2	Benzo[b]fluoranthene	17	U	34	17	17
191-24-2	Benzo[g,h,i]perylene	17	U	34	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	17	U	34	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	510	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	510	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	510	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	230	J D	360	140	96
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	66
85-68-7	Butyl benzyl phthalate	140	U	360	140	51
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	760	140	86
59-50-7	4-Chloro-3-methylphenol	140	U	760	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	66
218-01-9	Chrysene	17	U	34	17	5.6
53-70-3	Dibenz(a,h)anthracene	17	U	34	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	56
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	410	U	510	410	91
120-83-2	2,4-Dichlorophenol	140	U	760	140	100
84-66-2	Diethyl phthalate	140	U	360	140	81
105-67-9	2,4-Dimethylphenol	410	U	760	410	100
131-11-3	Dimethyl phthalate	140	U	360	140	86
84-74-2	Di-n-butyl phthalate	120	J D	360	140	76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0014M-0001-SO | Lab Sample ID: 240-22663-4

Matrix: Solid | Lab File ID: 30422009.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 10:12

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.57(g) | Date Analyzed: 04/22/2013 12:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	410	U	760	410	410
51-28-5	2,4-Dinitrophenol	410	U	1700	410	410
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	360	140	140
206-44-0	Fluoranthene	17	U	34	17	17
86-73-7	Fluorene	17	U	34	17	17
118-74-1	Hexachlorobenzene	17	U	34	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	46
193-39-5	Indeno[1,2,3-cd]pyrene	17	U	34	17	17
78-59-1	Isophorone	140	U	250	140	66
91-57-6	2-Methylnaphthalene	17	U	34	17	17
95-48-7	2-Methylphenol	410	U	1000	410	410
15831-10-4	3 & 4 Methylphenol	410	U	2000	410	100
91-20-3	Naphthalene	17	U	34	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	410	U	1000	410	81
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	510	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	410	U	1700	410	410
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	410	U	760	410	410
85-01-8	Phenanthrene	17	U	34	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	17	U	34	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	760	140	130
88-06-2	2,4,6-Trichlorophenol	410	U	760	410	410

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0014M-0001-SO | Lab Sample ID: 240-22663-4

Matrix: Solid | Lab File ID: 30422009.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 10:12

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.57(g) | Date Analyzed: 04/22/2013 12:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	74		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	66		35-100
4165-62-2	Phenol-d5 (Surr)	79		40-100
1718-51-0	Terphenyl-d14 (Surr)	63		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	63		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422009.D
Lims ID: 240-22663-G-4-D Client ID: 079SB-0014M-0001-SO
Inject. Date: 22-Apr-2013 12:38:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019128-009
Misc. Info.: 240-22663-G-4-D =240-22663-G-4-D
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 82940 Lims Sample ID: 9
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\8270 _9.m
Last Update: 22-Apr-2013 14:26:17 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 13:30:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.721	6.717	0.004	94	151337	4.00	
* 2 Naphthalene-d8	136	7.827	7.828	-0.001	99	625772	4.00	
* 3 Acenaphthene-d10	164	9.333	9.335	-0.002	86	379457	4.00	
* 4 Phenanthrene-d10	188	10.605	10.606	-0.001	93	601294	4.00	
* 5 Chrysene-d12	240	12.971	12.978	-0.007	76	772536	4.00	
* 6 Perylene-d12	264	15.012	15.019	-0.007	90	695911	4.00	
$ 7 2-Fluorophenol	112	5.599	5.510	0.089	90	133667	2.17	
$ 8 Phenol-d5	99	6.358	6.343	0.015	91	196255	2.38	
$ 9 Nitrobenzene-d5	82	7.191	7.187	0.004	85	122558	1.33	
$ 10 2-Fluorobiphenyl (Surr)	172	8.719	8.721	-0.002	98	166218	1.47	
$ 11 2,4,6-Tribromophenol	330	10.001	10.003	-0.002	84	23067	1.88	
$ 12 Terphenyl-d14	244	11.919	11.921	-0.002	98	173743	1.25	
43 Phenol	94		6.354					9
69 Bis(2-chloroethyl)ether	93		6.445					9
46 2-Chlorophenol	128		6.530					
47 1,3-Dichlorobenzene	146		6.675					9
48 1,4-Dichlorobenzene	146		6.733					9
49 Benzyl alcohol	108		6.808					9
50 1,2-Dichlorobenzene	146		6.872					
51 2-Methylphenol	108		6.888					9
53 2,2'-oxybis[1-chloropropane]	45		6.920					
21 3 & 4 Methylphenol	108		7.011					
57 N-Nitrosodi-n-propylamine	70		7.027					
61 Hexachloroethane	117		7.177					9
62 Nitrobenzene	77		7.203					
64 Isophorone	82		7.401					
65 2,4-Dimethylphenol	107		7.476					
66 2-Nitrophenol	139		7.481					9
71 Benzoic acid	122		7.529					
70 Bis(2-chloroethoxy)methane	93		7.551					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.684					
74 1,2,4-Trichlorobenzene	180		7.770					
75 Naphthalene	128		7.844					9
76 4-Chloroaniline	127		7.861					9
79 Hexachlorobutadiene	225		7.941					
86 4-Chloro-3-methylphenol	107		8.245					
87 2-Methylnaphthalene	142		8.432					9
89 Hexachlorocyclopentadiene	237		8.571					
92 2,4,6-Trichlorophenol	196		8.656					
93 2,4,5-Trichlorophenol	196		8.694					
100 2-Chloronaphthalene	162		8.854					
102 2-Nitroaniline	65		8.913					9
105 Dimethyl phthalate	163		9.030					9
107 2,6-Dinitrotoluene	165		9.095					9
109 Acenaphthylene	152		9.217					
110 3-Nitroaniline	138		9.255					
111 2,4-Dinitrophenol	184		9.340					
113 4-Nitrophenol	109		9.356					
112 Acenaphthene	153		9.362					
114 2,4-Dinitrotoluene	165		9.447					
116 Dibenzofuran	168		9.506					9
121 Diethyl phthalate	149		9.623					9
123 4-Chlorophenyl phenyl ether	204		9.762					
125 4-Nitroaniline	138		9.778					
126 Fluorene	166		9.800					9
128 4,6-Dinitro-2-methylphenol	198		9.805					
131 N-Nitrosodiphenylamine	169		9.858					
139 4-Bromophenyl phenyl ether	248		10.184					
141 Hexachlorobenzene	284		10.286					
143 Pentachlorophenol	266		10.435					
148 Phenanthrene	178		10.628					9
149 Anthracene	178		10.670					9
151 Carbazole	167		10.783					
154 Di-n-butyl phthalate	149	10.994	10.996	-0.002	56	6204	0.3546	
159 Fluoranthene	202		11.648					
161 Pyrene	202		11.851					9
168 Butyl benzyl phthalate	149		12.294					9
173 Bis(2-ethylhexyl) phthalate	149	12.805	12.813	-0.008	93	71469	0.6867	
175 3,3'-Dichlorobenzidine	252		12.877					
177 Benzo[a]anthracene	228		12.962					9
178 Chrysene	228		13.005					9
180 Di-n-octyl phthalate	149		13.550					9
182 Benzo[b]fluoranthene	252		14.373					
183 Benzo[k]fluoranthene	252		14.410					
184 Benzo[a]pyrene	252		14.923					9
188 Indeno[1,2,3-cd]pyrene	276		17.289					
189 Dibenz(a,h)anthracene	278		17.300					
190 Benzo[g,h,i]perylene	276		18.000					

QC Flag Legend

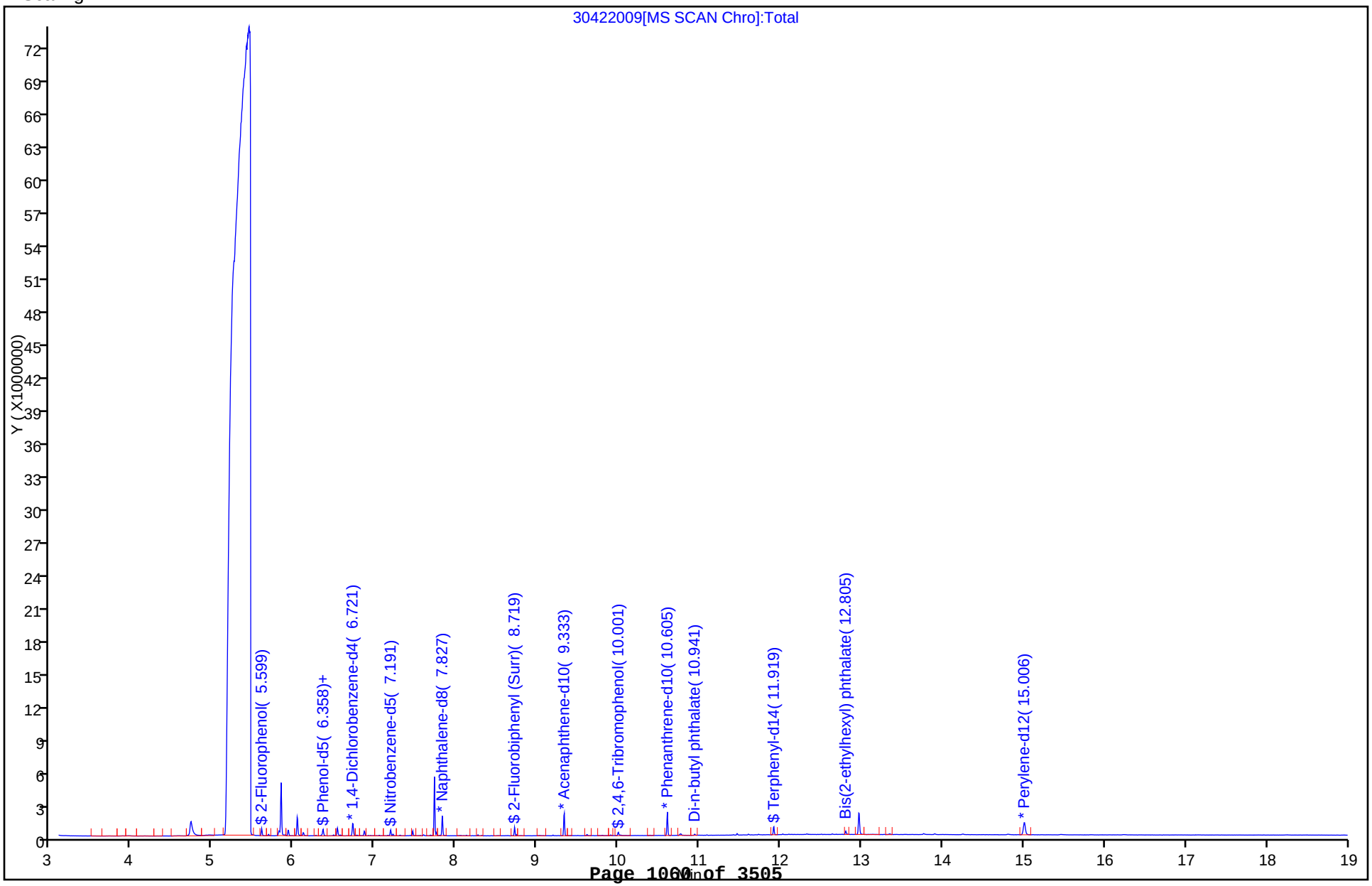
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 22-Apr-2013 14:26:18 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422009.D		
Injection Date:	22-Apr-2013 12:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0014M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



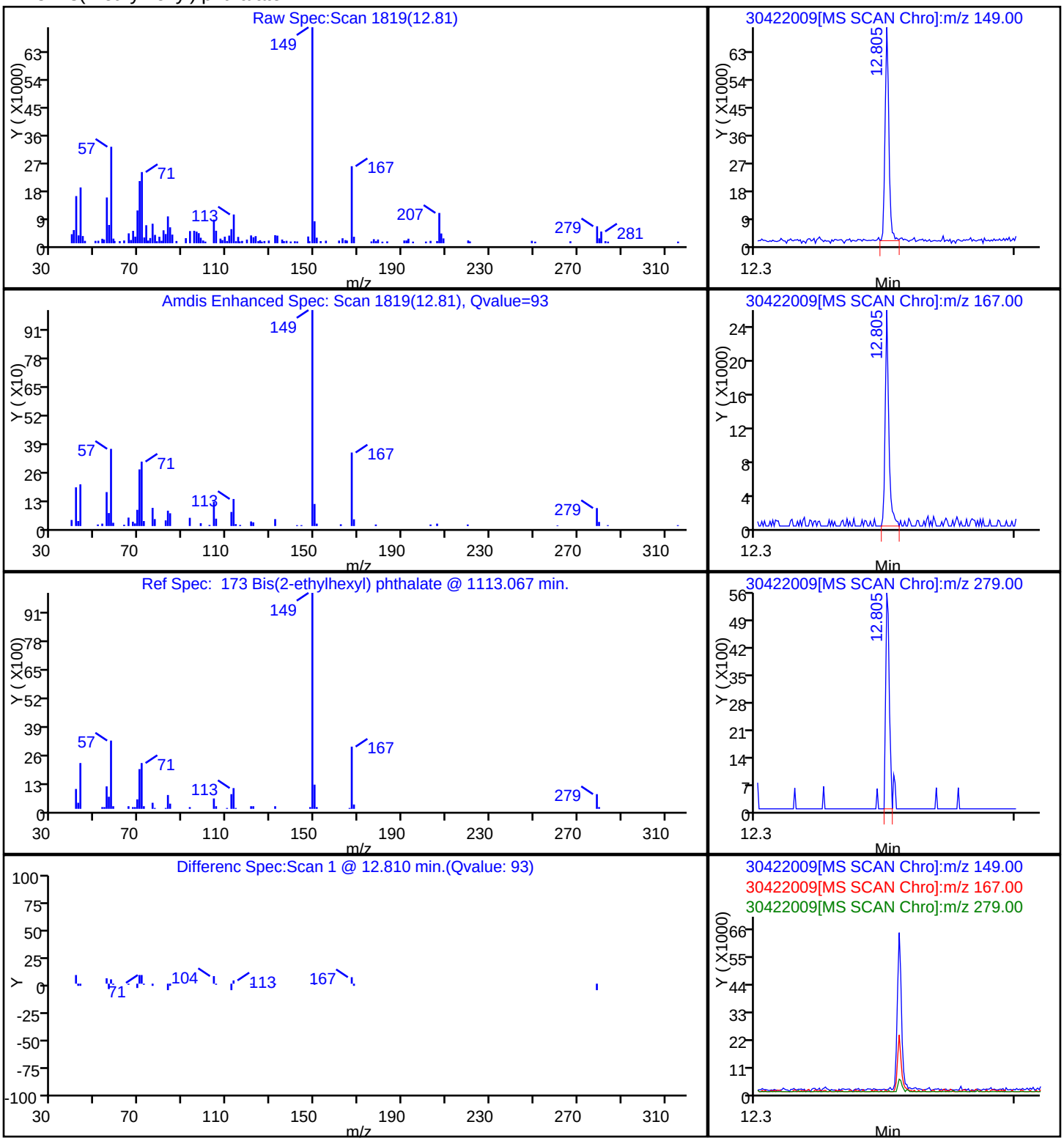
Report Date: 22-Apr-2013 14:26:18 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422009.D

Injection Date:	22-Apr-2013 12:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0014M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate

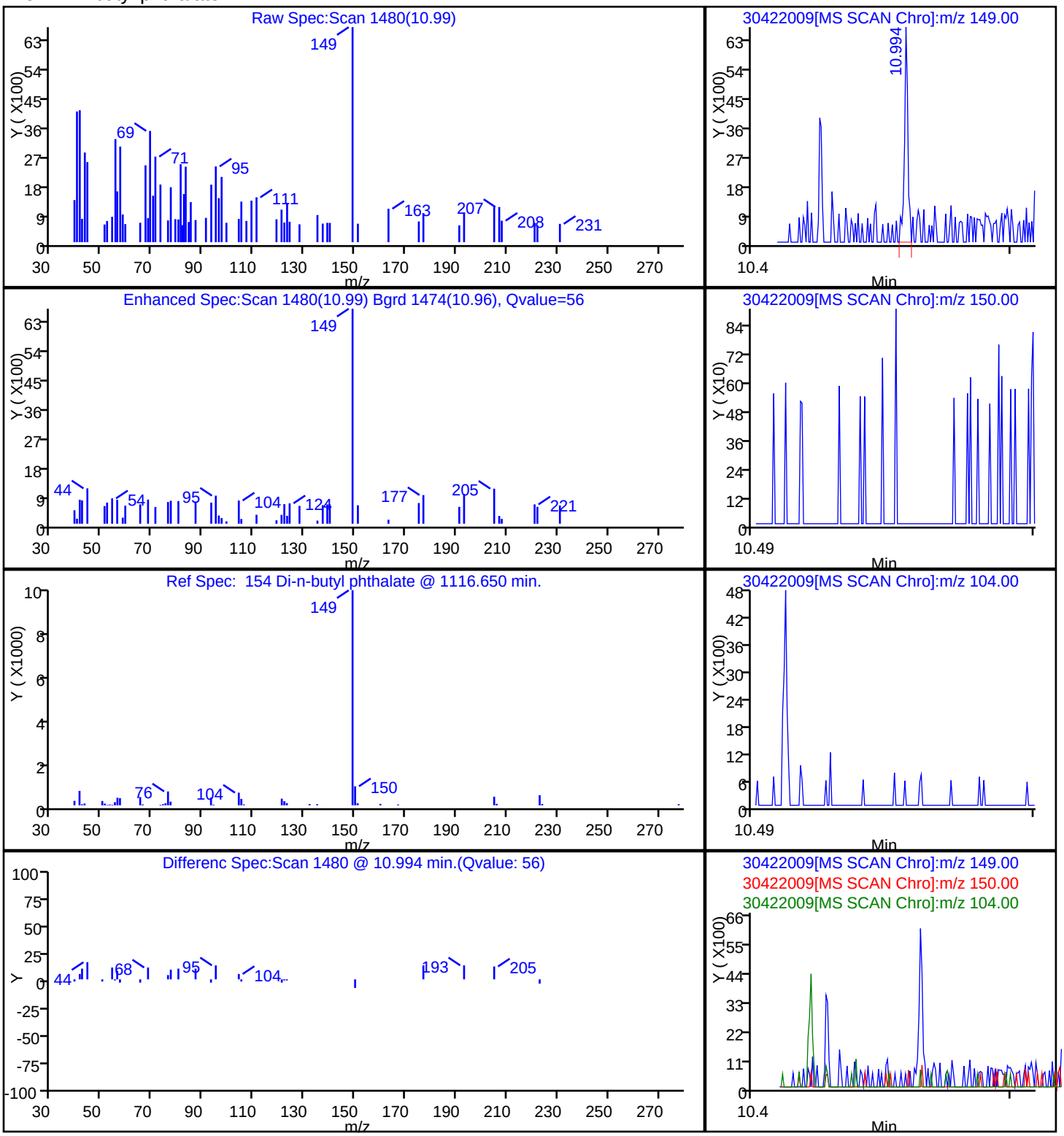


Report Date: 22-Apr-2013 14:26:18 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422009.D		
Injection Date:	22-Apr-2013 12:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0014M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

154 Di-n-butyl phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0017M-0001-SO | Lab Sample ID: 240-22663-7

Matrix: Solid | Lab File ID: 30422013.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 09:24

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.69(g) | Date Analyzed: 04/22/2013 14:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	34	17	17
208-96-8	Acenaphthylene	17	U	34	17	17
120-12-7	Anthracene	17	U	34	17	17
56-55-3	Benzo[a]anthracene	17	U	34	17	17
50-32-8	Benzo[a]pyrene	17	U	34	17	17
205-99-2	Benzo[b]fluoranthene	17	U	34	17	17
191-24-2	Benzo[g,h,i]perylene	17	U	34	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	17	U	34	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	510	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	510	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	510	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	350	140	96
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	66
85-68-7	Butyl benzyl phthalate	140	U	350	140	51
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	760	140	86
59-50-7	4-Chloro-3-methylphenol	140	U	760	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	66
218-01-9	Chrysene	17	U	34	17	5.6
53-70-3	Dibenz(a,h)anthracene	17	U	34	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	56
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	400	U	510	400	91
120-83-2	2,4-Dichlorophenol	140	U	760	140	100
84-66-2	Diethyl phthalate	140	U	350	140	81
105-67-9	2,4-Dimethylphenol	400	U	760	400	100
131-11-3	Dimethyl phthalate	140	U	350	140	86
84-74-2	Di-n-butyl phthalate	110	J D	350	140	76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0017M-0001-SO | Lab Sample ID: 240-22663-7

Matrix: Solid | Lab File ID: 30422013.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 09:24

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.69(g) | Date Analyzed: 04/22/2013 14:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U	760	400	400
51-28-5	2,4-Dinitrophenol	400	U	1700	400	400
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	350	140	140
206-44-0	Fluoranthene	17	U	34	17	17
86-73-7	Fluorene	17	U	34	17	17
118-74-1	Hexachlorobenzene	17	U	34	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	45
193-39-5	Indeno[1,2,3-cd]pyrene	17	U	34	17	17
78-59-1	Isophorone	140	U	250	140	66
91-57-6	2-Methylnaphthalene	17	U	34	17	17
95-48-7	2-Methylphenol	400	U	1000	400	400
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	100
91-20-3	Naphthalene	17	U	34	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	400	U	1000	400	81
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	510	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	400	U	1700	400	400
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	400	U	760	400	400
85-01-8	Phenanthrene	17	U	34	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	17	U	34	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	760	140	130
88-06-2	2,4,6-Trichlorophenol	400	U	760	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0017M-0001-SO | Lab Sample ID: 240-22663-7

Matrix: Solid | Lab File ID: 30422013.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 09:24

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.69(g) | Date Analyzed: 04/22/2013 14:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		45-105
367-12-4	2-Fluorophenol (Surr)	62		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	50		35-100
4165-62-2	Phenol-d5 (Surr)	62		40-100
1718-51-0	Terphenyl-d14 (Surr)	55		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	58		35-125

Report Date: 23-Apr-2013 08:13:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422013.D
Lims ID: 240-22663-G-7-D Client ID: 079SB-0017M-0001-SO
Inject. Date: 22-Apr-2013 14:23:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019128-013
Misc. Info.: 240-22663-G-7-D =240-22663-G-7-D
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 82940 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\8270 _9.m
Last Update: 23-Apr-2013 08:13:07 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK026

First Level Reviewer: ulmanm Date: 22-Apr-2013 14:51:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.717	6.717	0.0	94	172433	4.00	
* 2 Naphthalene-d8	136	7.828	7.828	0.0	99	719544	4.00	
* 3 Acenaphthene-d10	164	9.329	9.335	-0.006	78	427060	4.00	
* 4 Phenanthrene-d10	188	10.606	10.606	0.0	96	724479	4.00	
* 5 Chrysene-d12	240	12.967	12.978	-0.011	79	840180	4.00	
* 6 Perylene-d12	264	15.013	15.019	-0.006	97	746208	4.00	
$ 7 2-Fluorophenol	112	5.557	5.510	0.047	91	129548	1.85	
$ 8 Phenol-d5	99	6.348	6.343	0.005	91	173703	1.85	
$ 9 Nitrobenzene-d5	82	7.187	7.187	0.0	85	105759	1.00	
$ 10 2-Fluorobiphenyl (Surr)	172	8.720	8.721	-0.001	98	147325	1.16	
$ 11 2,4,6-Tribromophenol	330	10.002	10.003	-0.001	84	24019	1.74	
$ 12 Terphenyl-d14	244	11.915	11.921	-0.006	98	166350	1.10	
43 Phenol	94		6.354					9
69 Bis(2-chloroethyl)ether	93		6.445					
46 2-Chlorophenol	128		6.530					
47 1,3-Dichlorobenzene	146		6.675					9
48 1,4-Dichlorobenzene	146		6.733					9
49 Benzyl alcohol	108		6.808					9
50 1,2-Dichlorobenzene	146		6.872					
51 2-Methylphenol	108		6.888					9
53 2,2'-oxybis[1-chloropropane]	45		6.920					9
21 3 & 4 Methylphenol	108		7.011					
57 N-Nitrosodi-n-propylamine	70		7.027					
61 Hexachloroethane	117		7.177					9
62 Nitrobenzene	77		7.203					
64 Isophorone	82		7.401					9
65 2,4-Dimethylphenol	107		7.476					
66 2-Nitrophenol	139		7.481					9
71 Benzoic acid	122		7.529					
70 Bis(2-chloroethoxy)methane	93		7.551					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.684					9
74 1,2,4-Trichlorobenzene	180		7.770					
75 Naphthalene	128		7.844					9
76 4-Chloroaniline	127		7.861					9
79 Hexachlorobutadiene	225		7.941					
86 4-Chloro-3-methylphenol	107		8.245					
87 2-Methylnaphthalene	142		8.432					9
89 Hexachlorocyclopentadiene	237		8.571					
92 2,4,6-Trichlorophenol	196		8.656					
93 2,4,5-Trichlorophenol	196		8.694					
100 2-Chloronaphthalene	162		8.854					
102 2-Nitroaniline	65		8.913					
105 Dimethyl phthalate	163		9.030					9
107 2,6-Dinitrotoluene	165		9.095					9
109 Acenaphthylene	152		9.217					
110 3-Nitroaniline	138		9.255					
111 2,4-Dinitrophenol	184		9.340					
113 4-Nitrophenol	109		9.356					9
112 Acenaphthene	153		9.362					
114 2,4-Dinitrotoluene	165		9.447					
116 Dibenzofuran	168		9.506					9
121 Diethyl phthalate	149		9.623					9
123 4-Chlorophenyl phenyl ether	204		9.762					
125 4-Nitroaniline	138		9.778					
126 Fluorene	166		9.800					
128 4,6-Dinitro-2-methylphenol	198		9.805					
131 N-Nitrosodiphenylamine	169		9.858					
139 4-Bromophenyl phenyl ether	248		10.184					
141 Hexachlorobenzene	284		10.286					
143 Pentachlorophenol	266		10.435					
148 Phenanthrene	178		10.628					9
149 Anthracene	178		10.670					9
151 Carbazole	167		10.783					
154 Di-n-butyl phthalate	149	10.996	10.996	0.0	54	3957	0.3390	
159 Fluoranthene	202		11.648					
161 Pyrene	202		11.851					9
168 Butyl benzyl phthalate	149		12.294					9
173 Bis(2-ethylhexyl) phthalate	149	12.807	12.813	-0.006	71	7859	0.0694	
175 3,3'-Dichlorobenzidine	252		12.877					
177 Benzo[a]anthracene	228		12.962					9
178 Chrysene	228		13.005					9
180 Di-n-octyl phthalate	149		13.550					9
182 Benzo[b]fluoranthene	252		14.373					
183 Benzo[k]fluoranthene	252		14.410					
184 Benzo[a]pyrene	252		14.923					9
188 Indeno[1,2,3-cd]pyrene	276		17.289					
189 Dibenz(a,h)anthracene	278		17.300					
190 Benzo[g,h,i]perylene	276		18.000					

QC Flag Legend

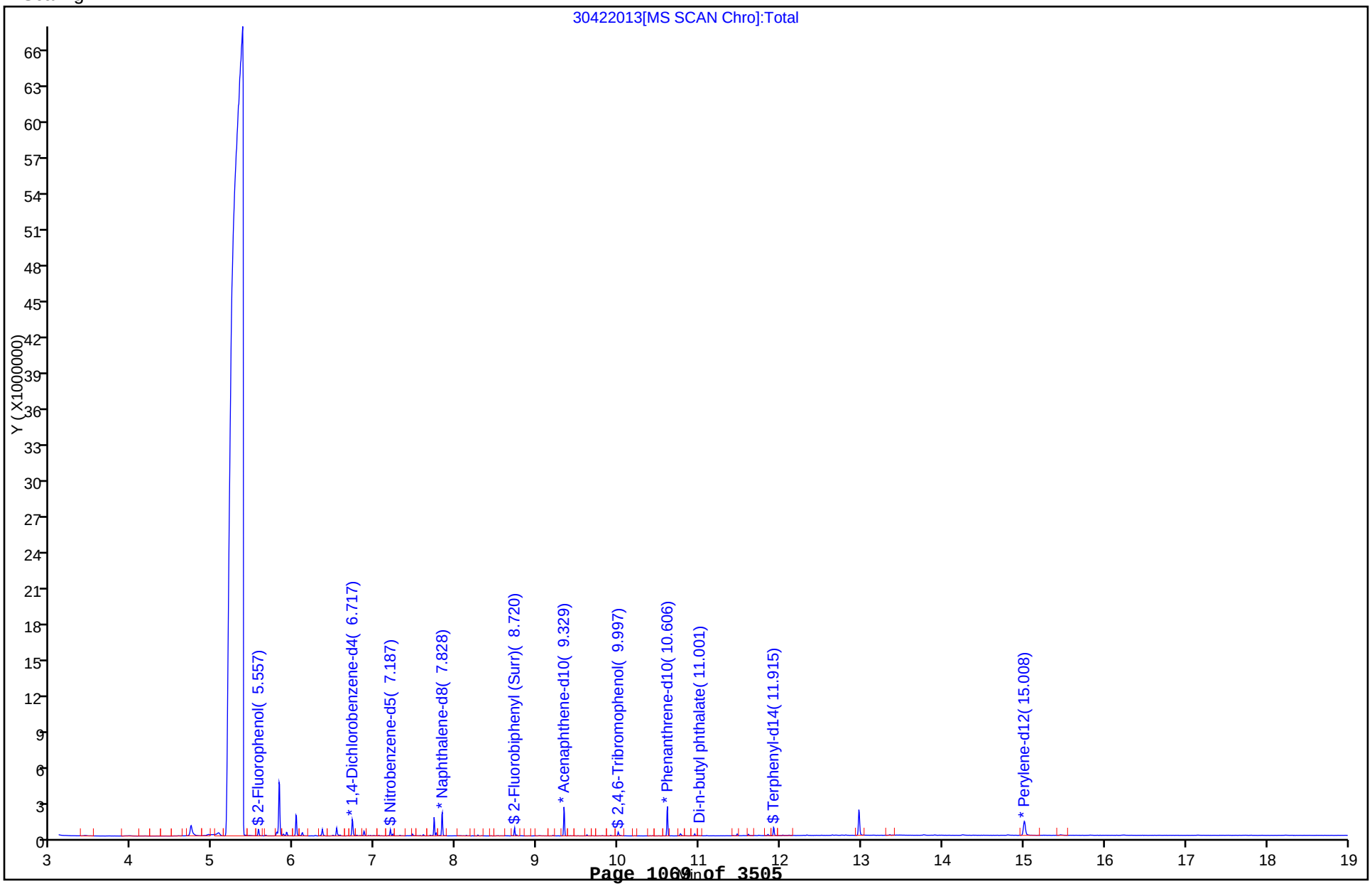
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 23-Apr-2013 08:13:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422013.D		
Injection Date:	22-Apr-2013 14:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



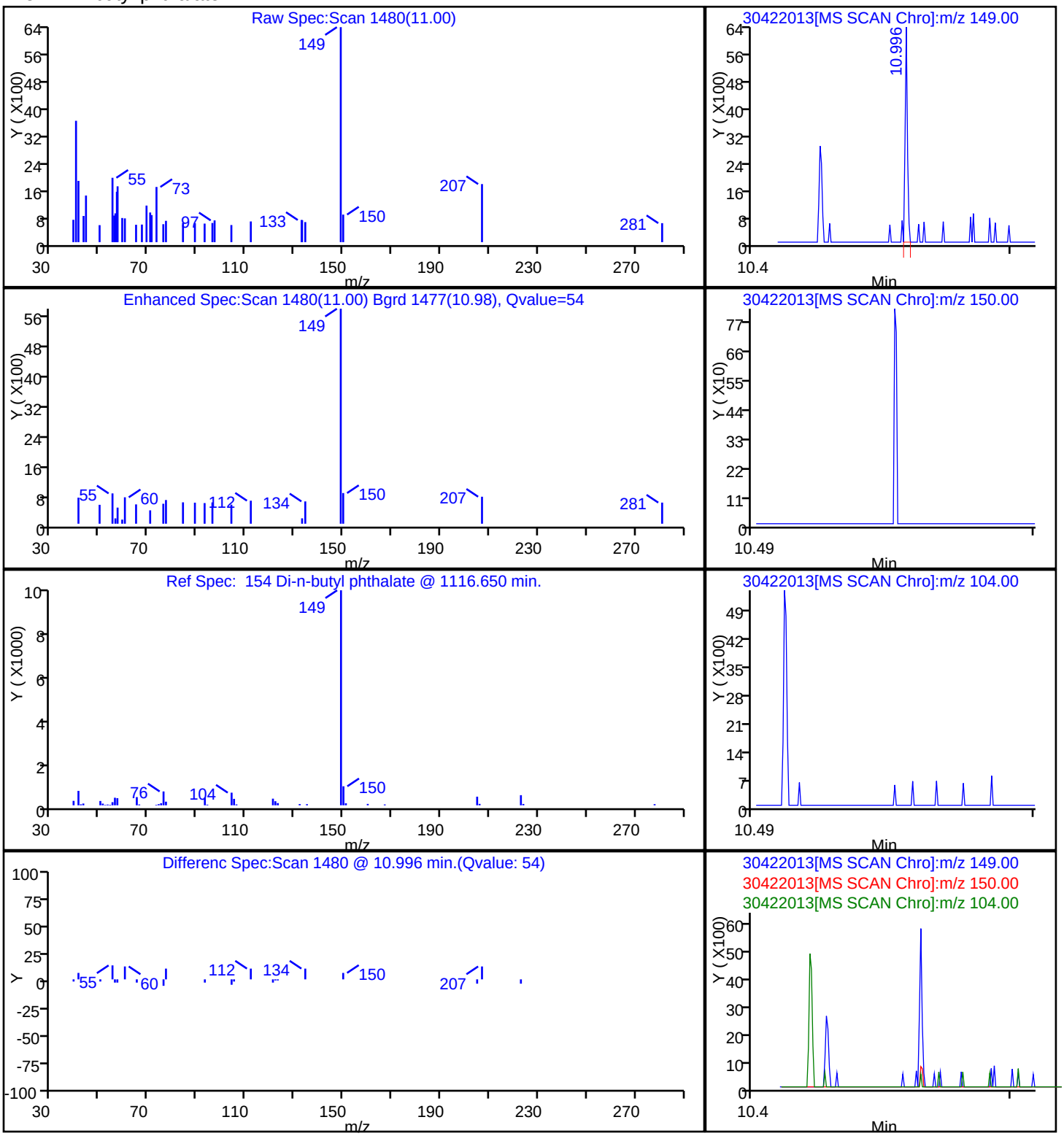
Report Date: 23-Apr-2013 08:13:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422013.D

Injection Date:	22-Apr-2013 14:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

154 Di-n-butyl phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 073SB-0041M-0001-SO | Lab Sample ID: 240-22663-17

Matrix: Solid | Lab File ID: 30422010.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 13:03

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.85(g) | Date Analyzed: 04/22/2013 13:04

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	34	17	17
208-96-8	Acenaphthylene	17	U	34	17	17
120-12-7	Anthracene	17	U	34	17	17
56-55-3	Benzo[a]anthracene	17	U	34	17	17
50-32-8	Benzo[a]pyrene	17	U	34	17	17
205-99-2	Benzo[b]fluoranthene	17	U	34	17	17
191-24-2	Benzo[g,h,i]perylene	17	U	34	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	17	U	34	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	500	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	500	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	500	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	95	J D	350	140	95
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	65
85-68-7	Butyl benzyl phthalate	140	U	350	140	50
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	750	140	85
59-50-7	4-Chloro-3-methylphenol	140	U	750	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	65
218-01-9	Chrysene	17	U	34	17	5.5
53-70-3	Dibenz(a,h)anthracene	17	U	34	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	55
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	400	U	500	400	90
120-83-2	2,4-Dichlorophenol	140	U	750	140	100
84-66-2	Diethyl phthalate	140	U	350	140	80
105-67-9	2,4-Dimethylphenol	400	U	750	400	100
131-11-3	Dimethyl phthalate	140	U	350	140	85
84-74-2	Di-n-butyl phthalate	140	U	350	140	75

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 073SB-0041M-0001-SO | Lab Sample ID: 240-22663-17

Matrix: Solid | Lab File ID: 30422010.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 13:03

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.85(g) | Date Analyzed: 04/22/2013 13:04

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U	750	400	400
51-28-5	2,4-Dinitrophenol	400	U	1700	400	400
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	350	140	140
206-44-0	Fluoranthene	17	U	34	17	17
86-73-7	Fluorene	17	U	34	17	17
118-74-1	Hexachlorobenzene	17	U	34	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	45
193-39-5	Indeno[1,2,3-cd]pyrene	17	U	34	17	17
78-59-1	Isophorone	140	U	250	140	65
91-57-6	2-Methylnaphthalene	17	U	34	17	17
95-48-7	2-Methylphenol	400	U	1000	400	400
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	100
91-20-3	Naphthalene	17	U	34	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	400	U	1000	400	80
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	500	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	400	U	1700	400	400
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	400	U	750	400	400
85-01-8	Phenanthrene	17	U	34	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	17	U	34	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	750	140	130
88-06-2	2,4,6-Trichlorophenol	400	U	750	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 073SB-0041M-0001-SO | Lab Sample ID: 240-22663-17

Matrix: Solid | Lab File ID: 30422010.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 13:03

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.85(g) | Date Analyzed: 04/22/2013 13:04

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	77		45-105
367-12-4	2-Fluorophenol (Surr)	70		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	64		35-100
4165-62-2	Phenol-d5 (Surr)	75		40-100
1718-51-0	Terphenyl-d14 (Surr)	62		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	59		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422010.D
Lims ID: 240-22663-G-17-D Client ID: 073SB-0041M-0001-SO
Inject. Date: 22-Apr-2013 13:04:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019128-010
Misc. Info.: 240-22663-G-17-D =240-22663-G-17-D
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 82940 Lims Sample ID: 10
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\8270 _9.m
Last Update: 22-Apr-2013 14:26:17 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 14:24:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.722	6.717	0.005	96	177195	4.00	
* 2 Naphthalene-d8	136	7.828	7.828	0.0	99	735770	4.00	
* 3 Acenaphthene-d10	164	9.329	9.335	-0.006	78	442739	4.00	
* 4 Phenanthrene-d10	188	10.606	10.606	0.0	95	729070	4.00	
* 5 Chrysene-d12	240	12.967	12.978	-0.011	80	891001	4.00	
* 6 Perylene-d12	264	15.008	15.019	-0.011	93	773272	4.00	
$ 7 2-Fluorophenol	112	5.574	5.510	0.064	91	150251	2.09	
$ 8 Phenol-d5	99	6.348	6.343	0.005	88	217823	2.25	
$ 9 Nitrobenzene-d5	82	7.187	7.187	0.0	86	139891	1.29	
$ 10 2-Fluorobiphenyl (Surr)	172	8.720	8.721	-0.001	99	202854	1.54	
$ 11 2,4,6-Tribromophenol	330	9.997	10.003	-0.006	80	25328	1.77	
$ 12 Terphenyl-d14	244	11.915	11.921	-0.006	98	197978	1.24	
43 Phenol	94		6.354					9
69 Bis(2-chloroethyl)ether	93		6.445					9
46 2-Chlorophenol	128		6.530					
47 1,3-Dichlorobenzene	146		6.675					9
48 1,4-Dichlorobenzene	146		6.733					9
49 Benzyl alcohol	108		6.808					9
50 1,2-Dichlorobenzene	146		6.872					
51 2-Methylphenol	108		6.888					9
53 2,2'-oxybis[1-chloropropane]	45		6.920					
21 3 & 4 Methylphenol	108		7.011					
57 N-Nitrosodi-n-propylamine	70		7.027					9
61 Hexachloroethane	117		7.177					
62 Nitrobenzene	77		7.203					
64 Isophorone	82		7.401					9
65 2,4-Dimethylphenol	107		7.476					
66 2-Nitrophenol	139		7.481					9
71 Benzoic acid	122		7.529					
70 Bis(2-chloroethoxy)methane	93		7.551					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.684					
74 1,2,4-Trichlorobenzene	180		7.770					
75 Naphthalene	128		7.844					9
76 4-Chloroaniline	127		7.861					
79 Hexachlorobutadiene	225		7.941					
86 4-Chloro-3-methylphenol	107		8.245					
87 2-Methylnaphthalene	142		8.432					9
89 Hexachlorocyclopentadiene	237		8.571					
92 2,4,6-Trichlorophenol	196		8.656					
93 2,4,5-Trichlorophenol	196		8.694					
100 2-Chloronaphthalene	162		8.854					
102 2-Nitroaniline	65		8.913					
105 Dimethyl phthalate	163		9.030					
107 2,6-Dinitrotoluene	165		9.095					
109 Acenaphthylene	152		9.217					
110 3-Nitroaniline	138		9.255					
111 2,4-Dinitrophenol	184		9.340					
113 4-Nitrophenol	109		9.356					
112 Acenaphthene	153		9.362					
114 2,4-Dinitrotoluene	165		9.447					
116 Dibenzofuran	168		9.506					9
121 Diethyl phthalate	149		9.623					9
123 4-Chlorophenyl phenyl ether	204		9.762					
125 4-Nitroaniline	138		9.778					
126 Fluorene	166		9.800					
128 4,6-Dinitro-2-methylphenol	198		9.805					
131 N-Nitrosodiphenylamine	169		9.858					
139 4-Bromophenyl phenyl ether	248		10.184					
141 Hexachlorobenzene	284		10.286					
143 Pentachlorophenol	266		10.435					
148 Phenanthrene	178		10.628					9
149 Anthracene	178		10.670					9
151 Carbazole	167		10.783					
154 Di-n-butyl phthalate	149		10.996					9
159 Fluoranthene	202		11.648					
161 Pyrene	202		11.851					9
168 Butyl benzyl phthalate	149		12.294					9
173 Bis(2-ethylhexyl) phthalate	149	12.807	12.813	-0.006	90	34160	0.2846	
175 3,3'-Dichlorobenzidine	252		12.877					
177 Benzo[a]anthracene	228		12.962					9
178 Chrysene	228		13.005					9
180 Di-n-octyl phthalate	149		13.550					
182 Benzo[b]fluoranthene	252		14.373					
183 Benzo[k]fluoranthene	252		14.410					
184 Benzo[a]pyrene	252		14.923					9
188 Indeno[1,2,3-cd]pyrene	276		17.289					
189 Dibenz(a,h)anthracene	278		17.300					
190 Benzo[g,h,i]perylene	276		18.000					

QC Flag Legend

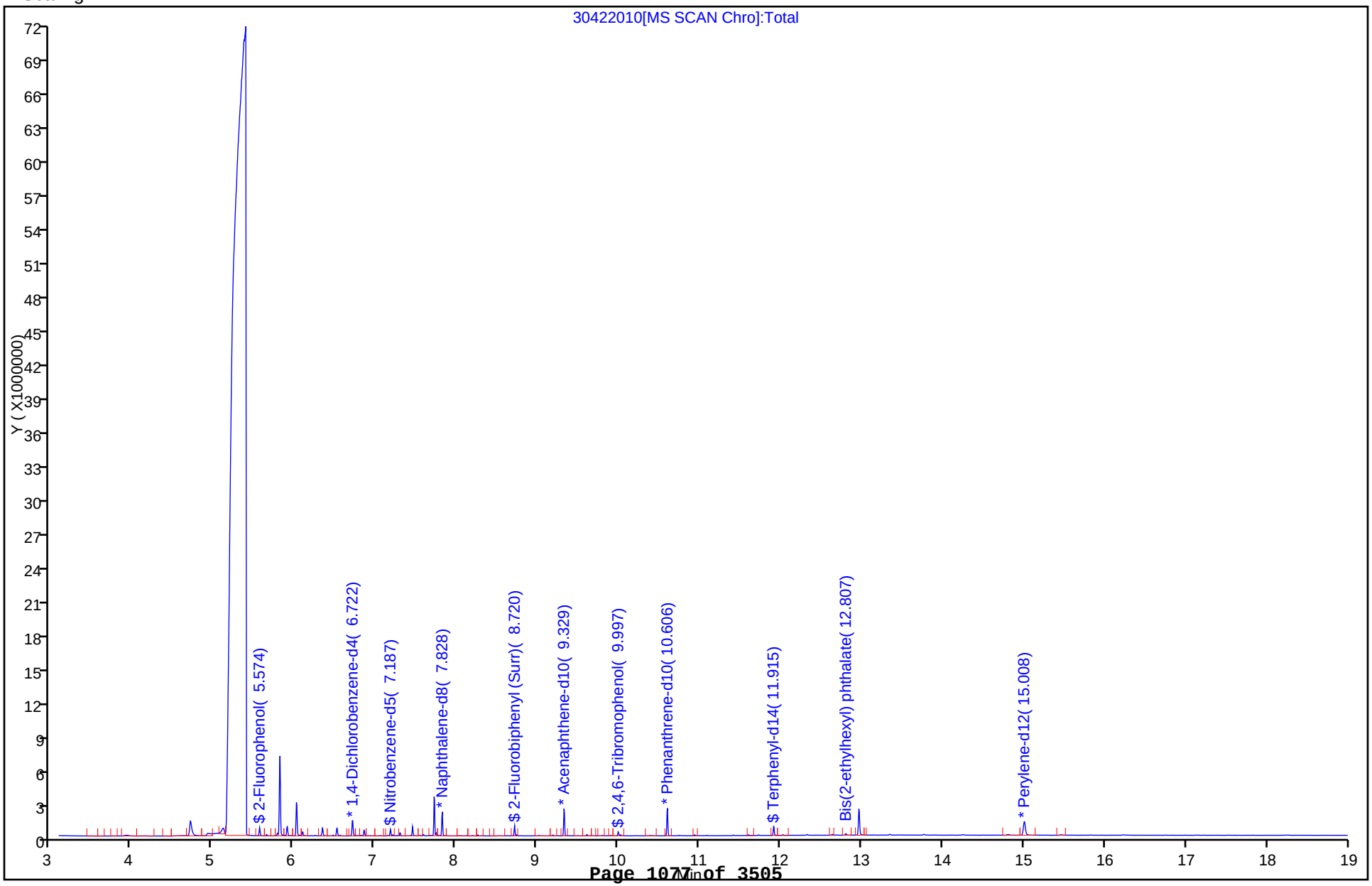
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 22-Apr-2013 14:26:18 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422010.D		
Injection Date:	22-Apr-2013 13:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	073SB-0041M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

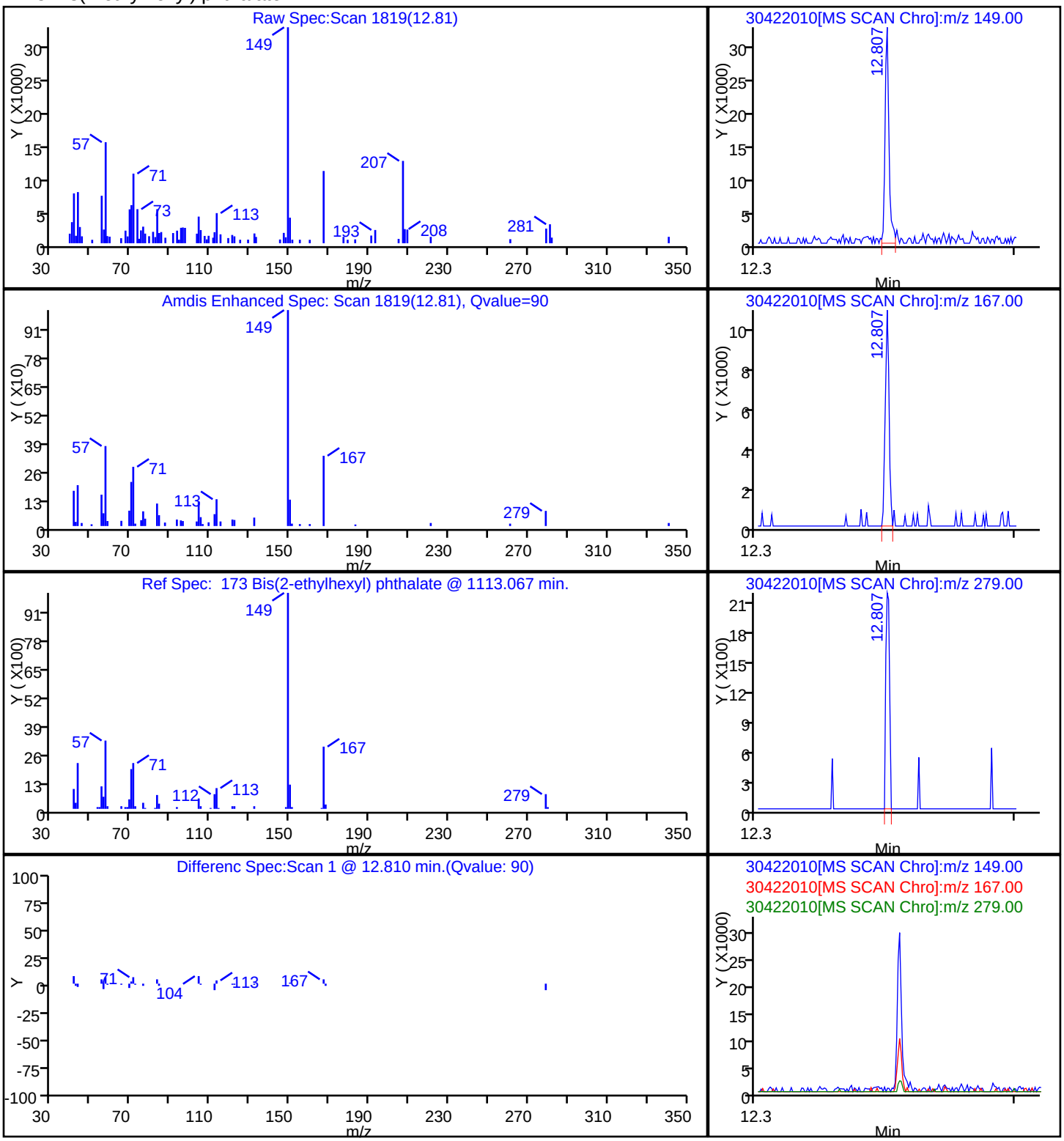


Report Date: 22-Apr-2013 14:26:18 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422010.D		
Injection Date:	22-Apr-2013 13:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	073SB-0041M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0026M-0001-SO | Lab Sample ID: 240-22663-26

Matrix: Solid | Lab File ID: 30422014.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 10:37

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.92(g) | Date Analyzed: 04/22/2013 14:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	33	17	17
208-96-8	Acenaphthylene	17	U	33	17	17
120-12-7	Anthracene	17	U	33	17	17
56-55-3	Benzo[a]anthracene	17	U	33	17	17
50-32-8	Benzo[a]pyrene	17	U	33	17	17
205-99-2	Benzo[b]fluoranthene	17	U	33	17	17
191-24-2	Benzo[g,h,i]perylene	17	U	33	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	17	U	33	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	500	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	500	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	500	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	350	140	95
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	65
85-68-7	Butyl benzyl phthalate	140	U	350	140	50
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	750	140	85
59-50-7	4-Chloro-3-methylphenol	140	U	750	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	65
218-01-9	Chrysene	17	U	33	17	5.5
53-70-3	Dibenz(a,h)anthracene	17	U	33	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	55
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	400	U	500	400	90
120-83-2	2,4-Dichlorophenol	140	U	750	140	100
84-66-2	Diethyl phthalate	140	U	350	140	80
105-67-9	2,4-Dimethylphenol	400	U	750	400	100
131-11-3	Dimethyl phthalate	140	U	350	140	85
84-74-2	Di-n-butyl phthalate	140	U	350	140	75

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0026M-0001-SO | Lab Sample ID: 240-22663-26

Matrix: Solid | Lab File ID: 30422014.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 10:37

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.92(g) | Date Analyzed: 04/22/2013 14:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U	750	400	400
51-28-5	2,4-Dinitrophenol	400	U	1700	400	400
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	350	140	140
206-44-0	Fluoranthene	17	U	33	17	17
86-73-7	Fluorene	17	U	33	17	17
118-74-1	Hexachlorobenzene	17	U	33	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	45
193-39-5	Indeno[1,2,3-cd]pyrene	17	U	33	17	17
78-59-1	Isophorone	140	U	250	140	65
91-57-6	2-Methylnaphthalene	17	U	33	17	17
95-48-7	2-Methylphenol	400	U	1000	400	400
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	100
91-20-3	Naphthalene	17	U	33	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	400	U	1000	400	80
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	500	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	400	U	1700	400	400
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	400	U	750	400	400
85-01-8	Phenanthrene	17	U	33	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	17	U	33	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	750	140	130
88-06-2	2,4,6-Trichlorophenol	400	U	750	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0026M-0001-SO | Lab Sample ID: 240-22663-26

Matrix: Solid | Lab File ID: 30422014.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 10:37

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.92(g) | Date Analyzed: 04/22/2013 14:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	64		45-105
367-12-4	2-Fluorophenol (Surr)	67		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	56		35-100
4165-62-2	Phenol-d5 (Surr)	69		40-100
1718-51-0	Terphenyl-d14 (Surr)	56		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	64		35-125

Report Date: 23-Apr-2013 08:13:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422014.D
Lims ID: 240-22663-G-26-D Client ID: 079SB-0026M-0001-SO
Inject. Date: 22-Apr-2013 14:49:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019128-014
Misc. Info.: 240-22663-G-26-D =240-22663-G-26-D
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 82940 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\8270 _9.m
Last Update: 23-Apr-2013 08:13:07 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK026

First Level Reviewer: ulmanm Date: 22-Apr-2013 15:20:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.723	6.717	0.006	93	185383	4.00	
* 2 Naphthalene-d8	136	7.829	7.828	0.001	99	767944	4.00	
* 3 Acenaphthene-d10	164	9.330	9.335	-0.005	75	471176	4.00	
* 4 Phenanthrene-d10	188	10.607	10.606	0.001	98	747735	4.00	
* 5 Chrysene-d12	240	12.968	12.978	-0.010	77	912398	4.00	
* 6 Perylene-d12	264	15.009	15.019	-0.010	92	765165	4.00	
$ 7 2-Fluorophenol	112	5.574	5.510	0.064	94	150724	2.00	
$ 8 Phenol-d5	99	6.349	6.343	0.006	89	208964	2.06	
$ 9 Nitrobenzene-d5	82	7.188	7.187	0.001	87	127862	1.13	
$ 10 2-Fluorobiphenyl (Surr)	172	8.721	8.721	0.0	99	179992	1.28	
$ 11 2,4,6-Tribromophenol	330	9.998	10.003	-0.005	82	29330	1.93	
$ 12 Terphenyl-d14	244	11.915	11.921	-0.006	98	183766	1.12	
43 Phenol	94		6.354					9
69 Bis(2-chloroethyl)ether	93		6.445					
46 2-Chlorophenol	128		6.530					
47 1,3-Dichlorobenzene	146		6.675					9
48 1,4-Dichlorobenzene	146		6.733					9
49 Benzyl alcohol	108		6.808					9
50 1,2-Dichlorobenzene	146		6.872					
51 2-Methylphenol	108		6.888					9
53 2,2'-oxybis[1-chloropropane]	45		6.920					9
21 3 & 4 Methylphenol	108		7.011					
57 N-Nitrosodi-n-propylamine	70		7.027					
61 Hexachloroethane	117		7.177					9
62 Nitrobenzene	77		7.203					
64 Isophorone	82		7.401					
65 2,4-Dimethylphenol	107		7.476					
66 2-Nitrophenol	139		7.481					9
71 Benzoic acid	122		7.529					
70 Bis(2-chloroethoxy)methane	93		7.551					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.684					
74 1,2,4-Trichlorobenzene	180		7.770					
75 Naphthalene	128		7.844					
76 4-Chloroaniline	127		7.861					9
79 Hexachlorobutadiene	225		7.941					
86 4-Chloro-3-methylphenol	107		8.245					
87 2-Methylnaphthalene	142		8.432					
89 Hexachlorocyclopentadiene	237		8.571					
92 2,4,6-Trichlorophenol	196		8.656					
93 2,4,5-Trichlorophenol	196		8.694					
100 2-Chloronaphthalene	162		8.854					
102 2-Nitroaniline	65		8.913					
105 Dimethyl phthalate	163		9.030					
107 2,6-Dinitrotoluene	165		9.095					
109 Acenaphthylene	152		9.217					
110 3-Nitroaniline	138		9.255					
111 2,4-Dinitrophenol	184		9.340					
113 4-Nitrophenol	109		9.356					9
112 Acenaphthene	153		9.362					
114 2,4-Dinitrotoluene	165		9.447					
116 Dibenzofuran	168		9.506					9
121 Diethyl phthalate	149		9.623					9
123 4-Chlorophenyl phenyl ether	204		9.762					
125 4-Nitroaniline	138		9.778					
126 Fluorene	166		9.800					9
128 4,6-Dinitro-2-methylphenol	198		9.805					
131 N-Nitrosodiphenylamine	169		9.858					
139 4-Bromophenyl phenyl ether	248		10.184					
141 Hexachlorobenzene	284		10.286					
143 Pentachlorophenol	266		10.435					
148 Phenanthrene	178		10.628					9
149 Anthracene	178		10.670					9
151 Carbazole	167		10.783					
154 Di-n-butyl phthalate	149		10.996					9
159 Fluoranthene	202		11.648					
161 Pyrene	202		11.851					9
168 Butyl benzyl phthalate	149		12.294					9
173 Bis(2-ethylhexyl) phthalate	149	12.808	12.813	-0.005	91	26880	0.2187	
175 3,3'-Dichlorobenzidine	252		12.877					
177 Benzo[a]anthracene	228		12.962					9
178 Chrysene	228		13.005					9
180 Di-n-octyl phthalate	149		13.550					
182 Benzo[b]fluoranthene	252		14.373					
183 Benzo[k]fluoranthene	252		14.410					
184 Benzo[a]pyrene	252		14.923					
188 Indeno[1,2,3-cd]pyrene	276		17.289					
189 Dibenz(a,h)anthracene	278		17.300					
190 Benzo[g,h,i]perylene	276		18.000					

QC Flag Legend

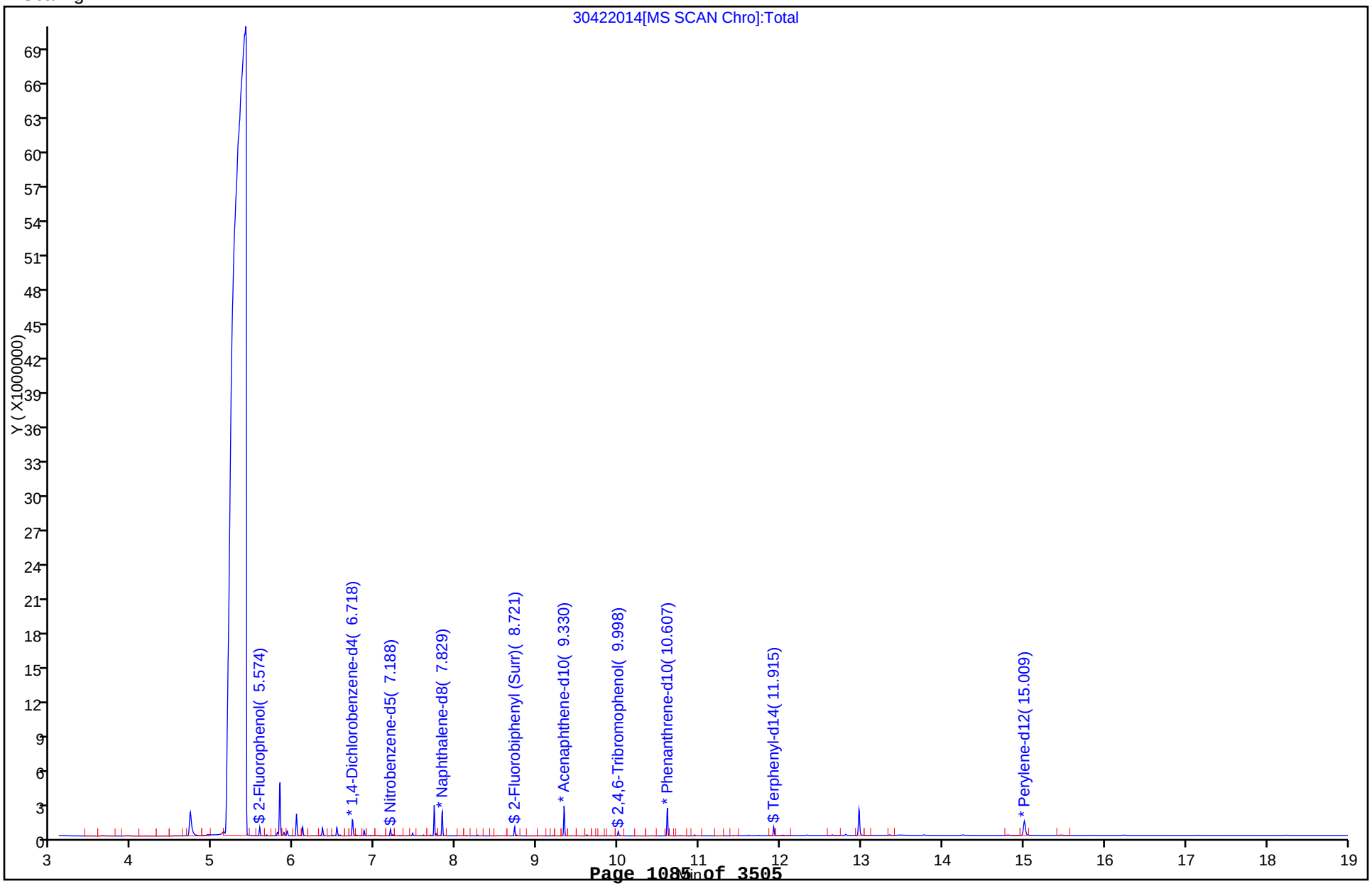
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9 - Failed A Reference Spectral Test

Report Date: 23-Apr-2013 08:13:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422014.D		
Injection Date:	22-Apr-2013 14:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0026M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0028M-0001-SO | Lab Sample ID: 240-22663-28

Matrix: Solid | Lab File ID: 30422011.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 10:43

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.67(g) | Date Analyzed: 04/22/2013 13:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	34	17	17
208-96-8	Acenaphthylene	17	U	34	17	17
120-12-7	Anthracene	17	U	34	17	17
56-55-3	Benzo[a]anthracene	17	U	34	17	17
50-32-8	Benzo[a]pyrene	17	U	34	17	17
205-99-2	Benzo[b]fluoranthene	17	U	34	17	17
191-24-2	Benzo[g,h,i]perylene	17	U	34	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	17	U	34	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	510	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	510	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	510	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	350	140	96
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	66
85-68-7	Butyl benzyl phthalate	140	U	350	140	51
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	760	140	86
59-50-7	4-Chloro-3-methylphenol	140	U	760	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	66
218-01-9	Chrysene	17	U	34	17	5.6
53-70-3	Dibenz(a,h)anthracene	17	U	34	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	56
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	400	U	510	400	91
120-83-2	2,4-Dichlorophenol	140	U	760	140	100
84-66-2	Diethyl phthalate	140	U	350	140	81
105-67-9	2,4-Dimethylphenol	400	U	760	400	100
131-11-3	Dimethyl phthalate	140	U	350	140	86
84-74-2	Di-n-butyl phthalate	140	U	350	140	76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0028M-0001-SO | Lab Sample ID: 240-22663-28

Matrix: Solid | Lab File ID: 30422011.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 10:43

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.67(g) | Date Analyzed: 04/22/2013 13:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U	760	400	400
51-28-5	2,4-Dinitrophenol	400	U	1700	400	400
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	350	140	140
206-44-0	Fluoranthene	17	U	34	17	17
86-73-7	Fluorene	17	U	34	17	17
118-74-1	Hexachlorobenzene	17	U	34	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	46
193-39-5	Indeno[1,2,3-cd]pyrene	17	U	34	17	17
78-59-1	Isophorone	140	U	250	140	66
91-57-6	2-Methylnaphthalene	17	U	34	17	17
95-48-7	2-Methylphenol	400	U	1000	400	400
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	100
91-20-3	Naphthalene	17	U	34	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	400	U	1000	400	81
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	510	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	400	U	1700	400	400
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	400	U	760	400	400
85-01-8	Phenanthrene	17	U	34	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	17	U	34	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	760	140	130
88-06-2	2,4,6-Trichlorophenol	400	U	760	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0028M-0001-SO | Lab Sample ID: 240-22663-28

Matrix: Solid | Lab File ID: 30422011.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 10:43

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.67(g) | Date Analyzed: 04/22/2013 13:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	65		45-105
367-12-4	2-Fluorophenol (Surr)	66		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	54		35-100
4165-62-2	Phenol-d5 (Surr)	71		40-100
1718-51-0	Terphenyl-d14 (Surr)	59		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	78		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422011.D
Lims ID: 240-22663-G-28-D Client ID: 079SB-0028M-0001-SO
Inject. Date: 22-Apr-2013 13:30:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019128-011
Misc. Info.: 240-22663-G-28-D =240-22663-G-28-D
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 82940 Lims Sample ID: 11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\8270 _9.m
Last Update: 22-Apr-2013 14:26:40 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 14:25:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.716	6.717	-0.001	88	184197	4.00	
* 2 Naphthalene-d8	136	7.827	7.828	-0.001	99	776725	4.00	
* 3 Acenaphthene-d10	164	9.333	9.335	-0.002	87	460409	4.00	
* 4 Phenanthrene-d10	188	10.605	10.606	-0.001	96	813402	4.00	
* 5 Chrysene-d12	240	12.971	12.978	-0.007	76	915928	4.00	
* 6 Perylene-d12	264	15.007	15.019	-0.012	93	793160	4.00	
$ 7 2-Fluorophenol	112	5.530	5.510	0.020	92	149022	1.99	
$ 8 Phenol-d5	99	6.342	6.343	-0.001	87	212736	2.12	
$ 9 Nitrobenzene-d5	82	7.186	7.187	-0.001	86	123275	1.08	
$ 10 2-Fluorobiphenyl (Surr)	172	8.719	8.721	-0.002	99	176944	1.29	
$ 11 2,4,6-Tribromophenol	330	10.001	10.003	-0.002	84	34874	2.34	
$ 12 Terphenyl-d14	244	11.919	11.921	-0.002	97	194131	1.18	
43 Phenol	94		6.354					9
69 Bis(2-chloroethyl)ether	93		6.445					
46 2-Chlorophenol	128		6.530					
47 1,3-Dichlorobenzene	146		6.675					9
48 1,4-Dichlorobenzene	146		6.733					9
49 Benzyl alcohol	108		6.808					9
50 1,2-Dichlorobenzene	146		6.872					
51 2-Methylphenol	108		6.888					
53 2,2'-oxybis[1-chloropropane]	45		6.920					
21 3 & 4 Methylphenol	108		7.011					
57 N-Nitrosodi-n-propylamine	70		7.027					9
61 Hexachloroethane	117		7.177					9
62 Nitrobenzene	77		7.203					9
64 Isophorone	82		7.401					9
65 2,4-Dimethylphenol	107		7.476					
66 2-Nitrophenol	139		7.481					9
71 Benzoic acid	122		7.529					9
70 Bis(2-chloroethoxy)methane	93		7.551					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.684					
74 1,2,4-Trichlorobenzene	180		7.770					
75 Naphthalene	128		7.844					9
76 4-Chloroaniline	127		7.861					
79 Hexachlorobutadiene	225		7.941					
86 4-Chloro-3-methylphenol	107		8.245					
87 2-Methylnaphthalene	142		8.432					9
89 Hexachlorocyclopentadiene	237		8.571					
92 2,4,6-Trichlorophenol	196		8.656					
93 2,4,5-Trichlorophenol	196		8.694					
100 2-Chloronaphthalene	162		8.854					9
102 2-Nitroaniline	65		8.913					9
105 Dimethyl phthalate	163		9.030					
107 2,6-Dinitrotoluene	165		9.095					
109 Acenaphthylene	152		9.217					
110 3-Nitroaniline	138		9.255					
111 2,4-Dinitrophenol	184		9.340					
113 4-Nitrophenol	109		9.356					
112 Acenaphthene	153		9.362					
114 2,4-Dinitrotoluene	165		9.447					
116 Dibenzofuran	168		9.506					9
121 Diethyl phthalate	149		9.623					9
123 4-Chlorophenyl phenyl ether	204		9.762					
125 4-Nitroaniline	138		9.778					
126 Fluorene	166		9.800					9
128 4,6-Dinitro-2-methylphenol	198		9.805					
131 N-Nitrosodiphenylamine	169		9.858					
139 4-Bromophenyl phenyl ether	248		10.184					
141 Hexachlorobenzene	284		10.286					
143 Pentachlorophenol	266		10.435					
148 Phenanthrene	178		10.628					9
149 Anthracene	178		10.670					9
151 Carbazole	167		10.783					
154 Di-n-butyl phthalate	149		10.996					9
159 Fluoranthene	202		11.648					9
161 Pyrene	202		11.851					9
168 Butyl benzyl phthalate	149		12.294					9
173 Bis(2-ethylhexyl) phthalate	149	12.806	12.813	-0.007	90	23539	0.1908	
175 3,3'-Dichlorobenzidine	252		12.877					
177 Benzo[a]anthracene	228		12.962					9
178 Chrysene	228		13.005					9
180 Di-n-octyl phthalate	149		13.550					
182 Benzo[b]fluoranthene	252		14.373					9
183 Benzo[k]fluoranthene	252		14.410					9
184 Benzo[a]pyrene	252		14.923					9
188 Indeno[1,2,3-cd]pyrene	276		17.289					
189 Dibenz(a,h)anthracene	278		17.300					
190 Benzo[g,h,i]perylene	276		18.000					

QC Flag Legend

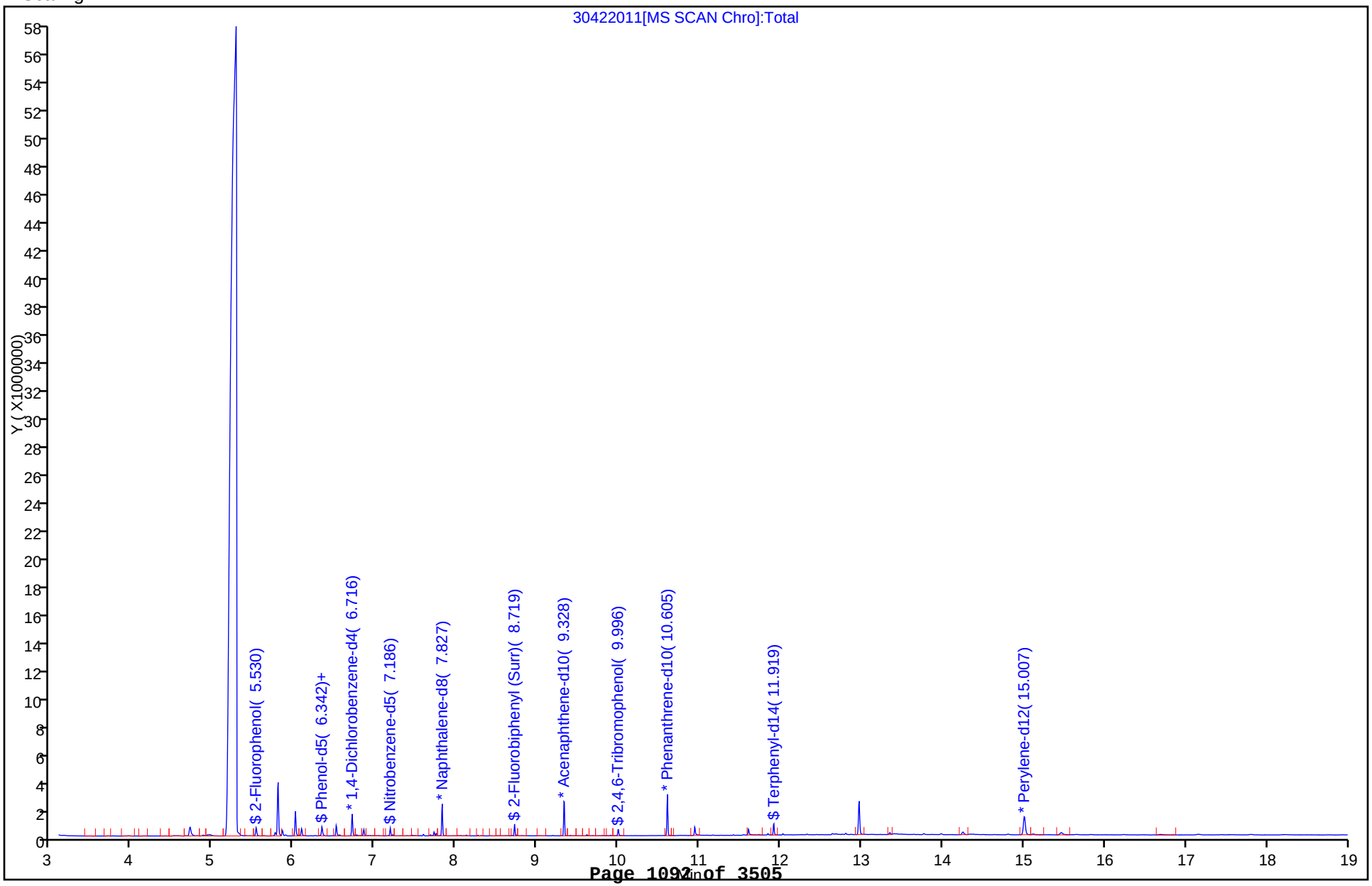
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 22-Apr-2013 14:26:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422011.D		
Injection Date:	22-Apr-2013 13:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0017M-0001-SO | Lab Sample ID: 240-22663-31

Matrix: Solid | Lab File ID: 30421015.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:42

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.88(g) | Date Analyzed: 04/21/2013 17:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	33	17	17
208-96-8	Acenaphthylene	17	U	33	17	17
120-12-7	Anthracene	20	J D	33	17	17
56-55-3	Benzo[a]anthracene	65	D	33	17	17
50-32-8	Benzo[a]pyrene	44	D	33	17	17
205-99-2	Benzo[b]fluoranthene	110	D	33	17	17
191-24-2	Benzo[g,h,i]perylene	54	D	33	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	33	D M	33	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	500	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	500	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	500	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	140	J D	350	140	95
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	65
85-68-7	Butyl benzyl phthalate	140	U	350	140	50
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	750	140	85
59-50-7	4-Chloro-3-methylphenol	140	U	750	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	65
218-01-9	Chrysene	78	D	33	17	5.5
53-70-3	Dibenz(a,h)anthracene	17	U	33	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	55
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	400	U	500	400	90
120-83-2	2,4-Dichlorophenol	140	U	750	140	100
84-66-2	Diethyl phthalate	140	U	350	140	80
105-67-9	2,4-Dimethylphenol	400	U	750	400	100
131-11-3	Dimethyl phthalate	140	U	350	140	85
84-74-2	Di-n-butyl phthalate	140	U	350	140	75

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0017M-0001-SO | Lab Sample ID: 240-22663-31

Matrix: Solid | Lab File ID: 30421015.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:42

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.88(g) | Date Analyzed: 04/21/2013 17:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U	750	400	400
51-28-5	2,4-Dinitrophenol	400	U	1700	400	400
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	350	140	140
206-44-0	Fluoranthene	140	D	33	17	17
86-73-7	Fluorene	17	U	33	17	17
118-74-1	Hexachlorobenzene	17	U	33	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	45
193-39-5	Indeno[1,2,3-cd]pyrene	51	D M	33	17	17
78-59-1	Isophorone	140	U	250	140	65
91-57-6	2-Methylnaphthalene	17	U	33	17	17
95-48-7	2-Methylphenol	400	U	1000	400	400
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	100
91-20-3	Naphthalene	17	U	33	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	400	U	1000	400	80
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	500	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	400	U	1700	400	400
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	400	U	750	400	400
85-01-8	Phenanthrene	48	D	33	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	130	D	33	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	750	140	130
88-06-2	2,4,6-Trichlorophenol	400	U	750	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0017M-0001-SO | Lab Sample ID: 240-22663-31

Matrix: Solid | Lab File ID: 30421015.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:42

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.88(g) | Date Analyzed: 04/21/2013 17:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	66		45-105
367-12-4	2-Fluorophenol (Surr)	69		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	57		35-100
4165-62-2	Phenol-d5 (Surr)	69		40-100
1718-51-0	Terphenyl-d14 (Surr)	62		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	79		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421015.D
Lims ID: 240-22663-C-31-C Client ID: 068SB-0017M-0001-SO
Inject. Date: 21-Apr-2013 17:01:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019112-015
Misc. Info.: 240-22663-C-31-C =240-22663-C-31-C
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 82876 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:45:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.738	6.734	0.004	93	185377	4.00	
* 2 Naphthalene-d8	136	7.844	7.845	-0.001	99	793409	4.00	
* 3 Acenaphthene-d10	164	9.351	9.352	-0.001	79	469333	4.00	
* 4 Phenanthrene-d10	188	10.622	10.623	-0.001	97	754389	4.00	
* 5 Chrysene-d12	240	12.994	13.001	-0.007	81	959816	4.00	
* 6 Perylene-d12	264	15.056	15.057	-0.001	98	918179	4.00	
$ 7 2-Fluorophenol	112	5.590	5.532	0.058	93	156107	2.07	
$ 8 Phenol-d5	99	6.364	6.360	0.004	91	209220	2.07	
$ 9 Nitrobenzene-d5	82	7.203	7.204	-0.001	86	132299	1.13	
$ 10 2-Fluorobiphenyl (Surr)	172	8.736	8.738	-0.002	98	183040	1.31	
$ 11 2,4,6-Tribromophenol	330	10.018	10.020	-0.002	89	35938	2.37	
$ 12 Terphenyl-d14	244	11.936	11.937	-0.001	98	212167	1.23	
43 Phenol	94		6.371					9
69 Bis(2-chloroethyl)ether	93		6.462					9
46 2-Chlorophenol	128		6.553					
47 1,3-Dichlorobenzene	146		6.691					9
48 1,4-Dichlorobenzene	146		6.750					9
49 Benzyl alcohol	108		6.825					9
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					9
53 2,2'-oxybis[1-chloropropane]	45		6.937					
21 3 & 4 Methylphenol	108		7.028					9
57 N-Nitrosodi-n-propylamine	70		7.044					
61 Hexachloroethane	117		7.194					9
62 Nitrobenzene	77		7.220					
64 Isophorone	82		7.418					
65 2,4-Dimethylphenol	107		7.493					
66 2-Nitrophenol	139		7.498					9
71 Benzoic acid	122		7.546					
70 Bis(2-chloroethoxy)methane	93		7.568					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.701					9
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128		7.861					
76 4-Chloroaniline	127		7.872					
79 Hexachlorobutadiene	225		7.958					
86 4-Chloro-3-methylphenol	107		8.262					9
87 2-Methylnaphthalene	142		8.449					
89 Hexachlorocyclopentadiene	237		8.588					
92 2,4,6-Trichlorophenol	196		8.673					
93 2,4,5-Trichlorophenol	196		8.711					
100 2-Chloronaphthalene	162		8.871					
102 2-Nitroaniline	65		8.924					
105 Dimethyl phthalate	163		9.047					9
107 2,6-Dinitrotoluene	165		9.111					
109 Acenaphthylene	152		9.234					9
110 3-Nitroaniline	138		9.272					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109		9.373					
112 Acenaphthene	153		9.379					9
114 2,4-Dinitrotoluene	165		9.464					
116 Dibenzofuran	168		9.523					9
121 Diethyl phthalate	149		9.640					
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					
126 Fluorene	166		9.817					
128 4,6-Dinitro-2-methylphenol	198		9.822					
131 N-Nitrosodiphenylamine	169		9.875					9
139 4-Bromophenyl phenyl ether	248		10.201					
141 Hexachlorobenzene	284		10.303					
143 Pentachlorophenol	266		10.452					9
148 Phenanthrene	178	10.643	10.645	-0.002	69	26439	0.1420	
149 Anthracene	178	10.686	10.687	-0.001	64	10977	0.0596	
151 Carbazole	167		10.800					
154 Di-n-butyl phthalate	149		11.013					
159 Fluoranthene	202	11.664	11.665	-0.001	92	85831	0.4128	
161 Pyrene	202	11.872	11.873	-0.001	91	81320	0.3839	
168 Butyl benzyl phthalate	149		12.311					
173 Bis(2-ethylhexyl) phthalate	149	12.828	12.830	-0.002	91	55368	0.4282	
175 3,3'-Dichlorobenzidine	252		12.899					9
177 Benzo[a]anthracene	228	12.983	12.985	-0.001	47	44129	0.1945	
178 Chrysene	228	13.026	13.027	-0.001	23	50958	0.2333	
180 Di-n-octyl phthalate	149		13.577					
182 Benzo[b]fluoranthene	252	14.404	14.406	-0.002	78	80444	0.3390	
183 Benzo[k]fluoranthene	252	14.436	14.448	-0.012	81	26720	0.0993	M
184 Benzo[a]pyrene	252	14.960	14.966	-0.006	52	30358	0.1305	
189 Dibenz(a,h)anthracene	278		17.354					
188 Indeno[1,2,3-cd]pyrene	276	17.332	17.354	-0.022	83	35758	0.1515	M
190 Benzo[g,h,i]perylene	276	18.053	18.070	-0.017	84	31717	0.1627	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

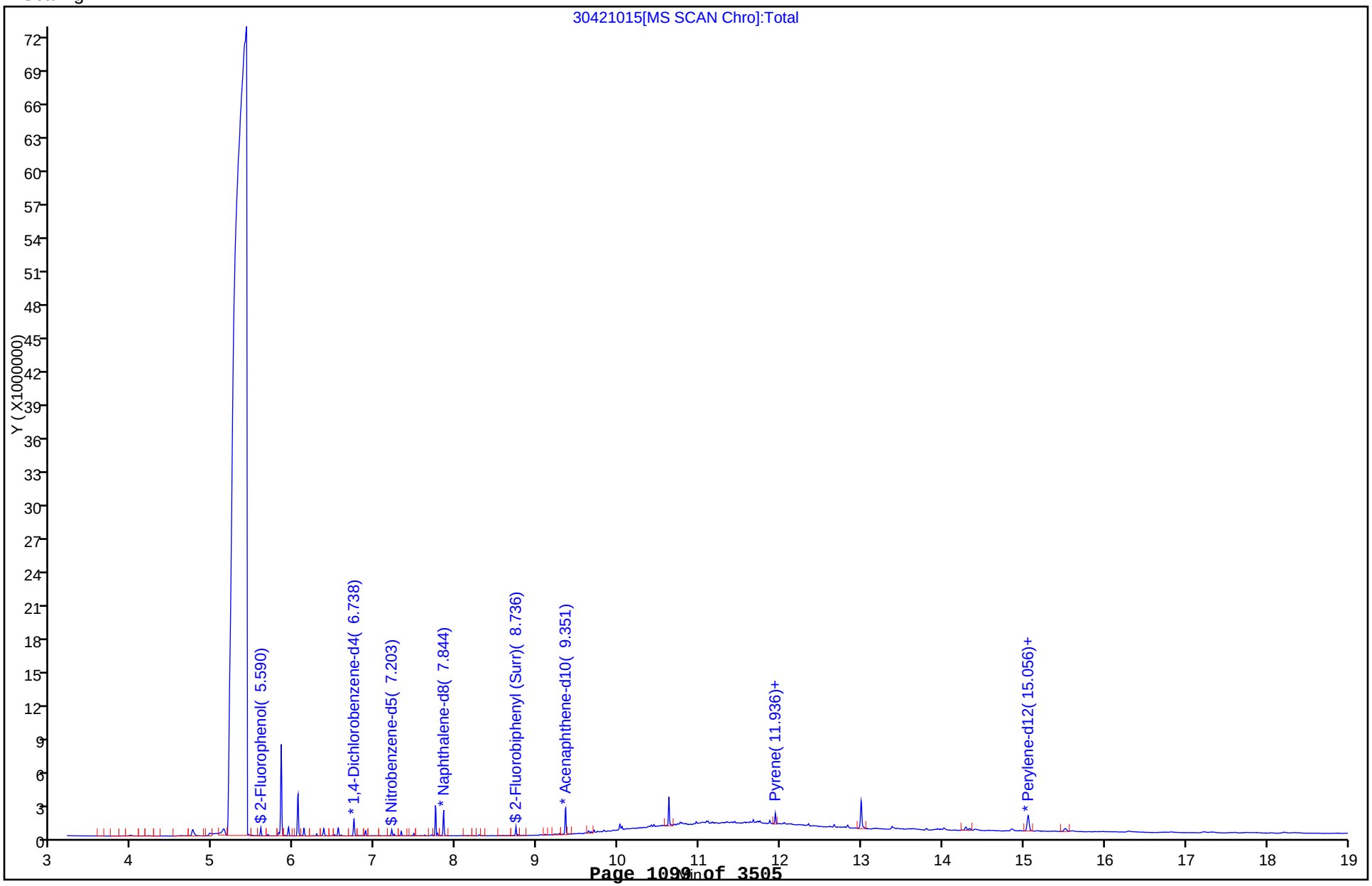
Review Flags
M - Manually Integrated

Report Date: 22-Apr-2013 08:55:48 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421015.D		
Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



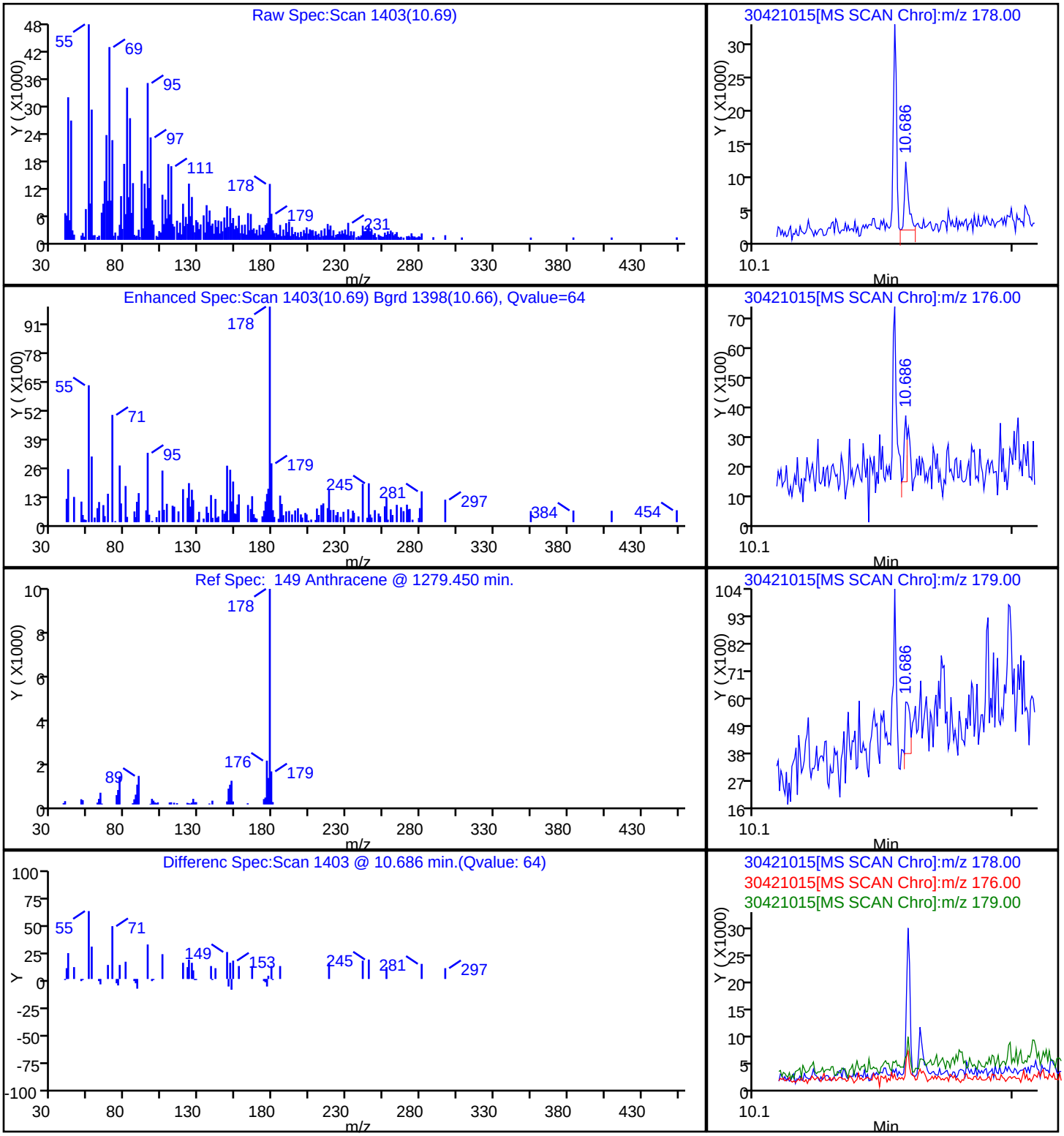
Report Date: 22-Apr-2013 08:55:48 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421015.D

Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

149 Anthracene



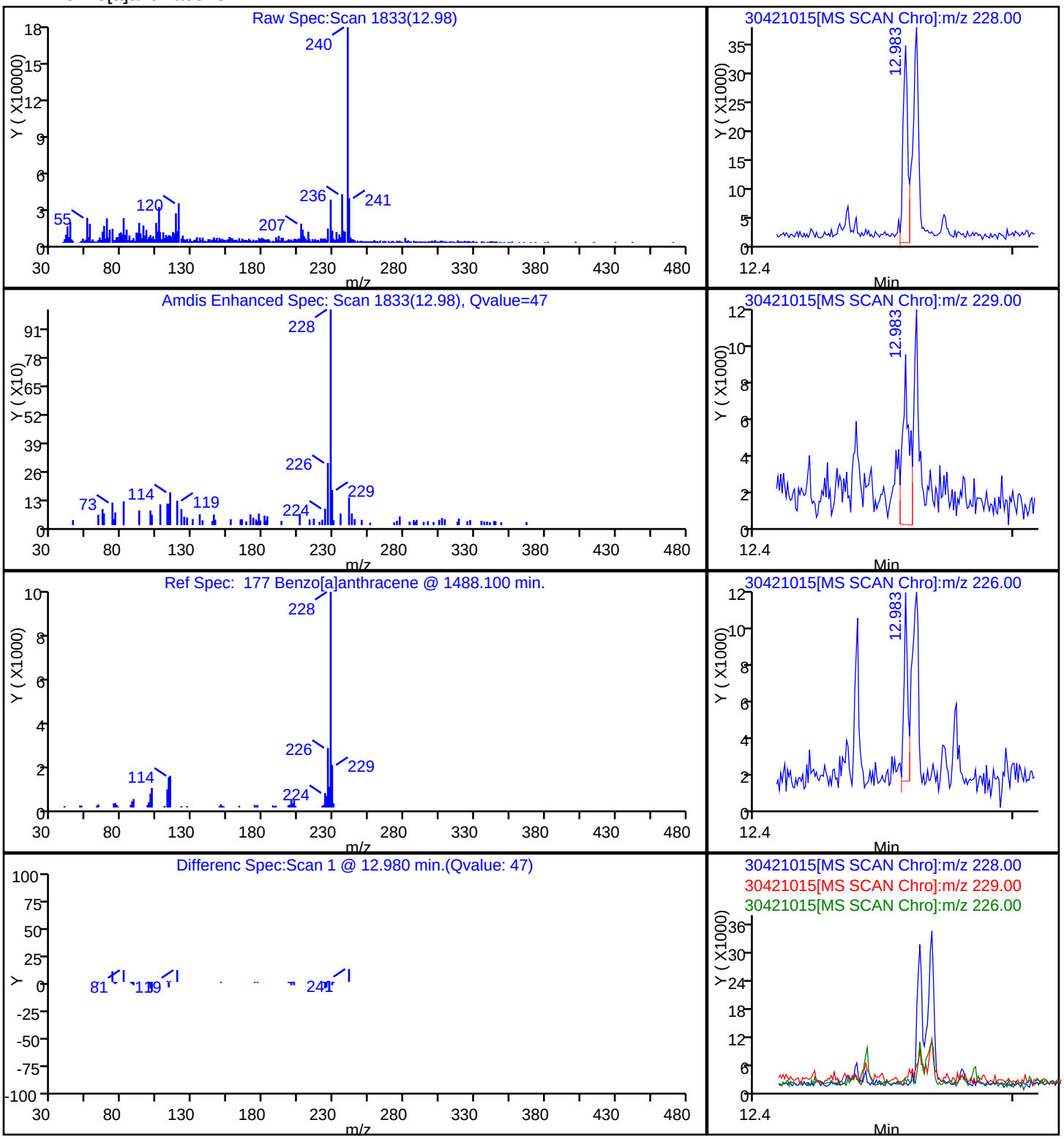
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421015.D

Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



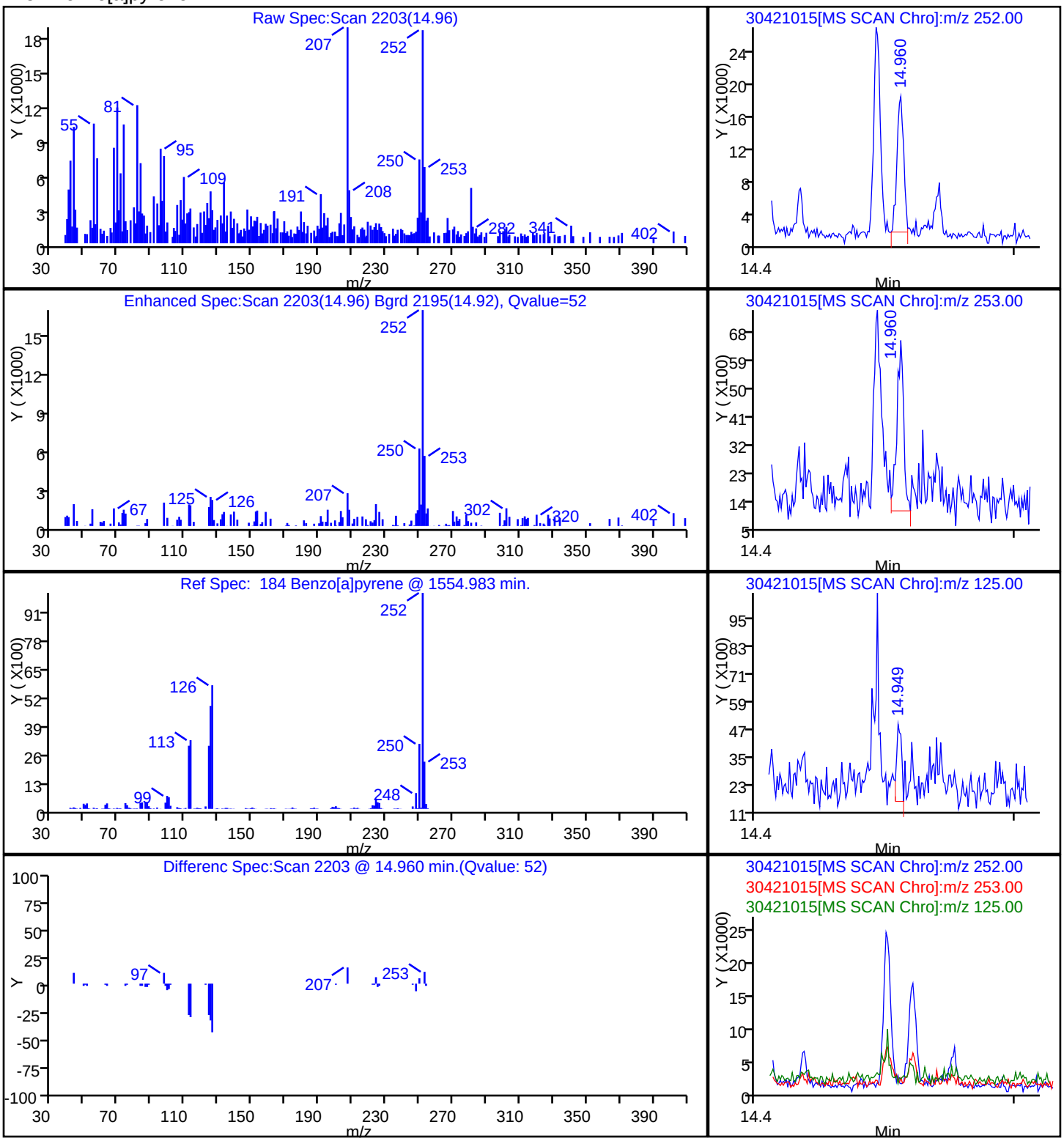
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



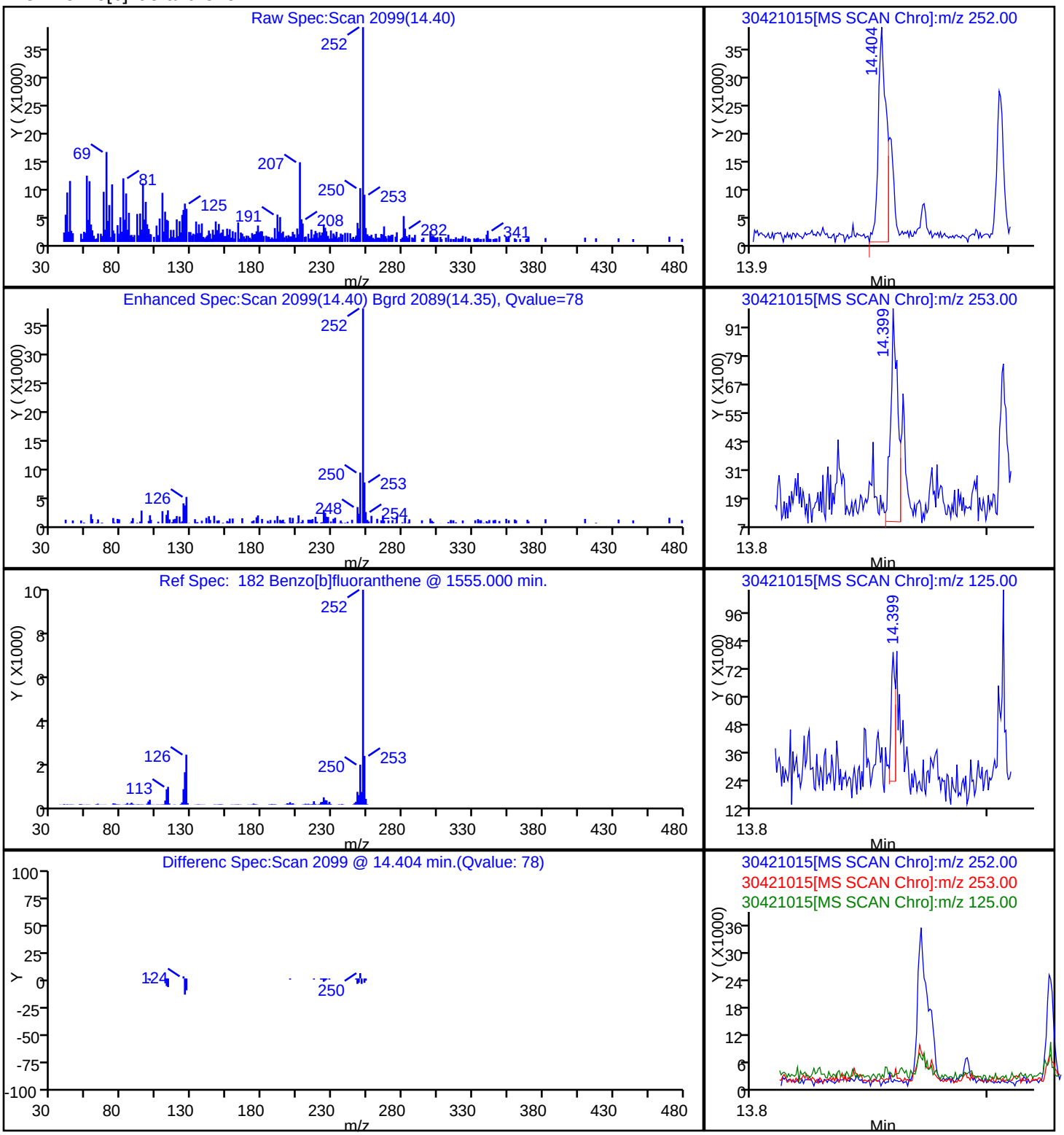
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



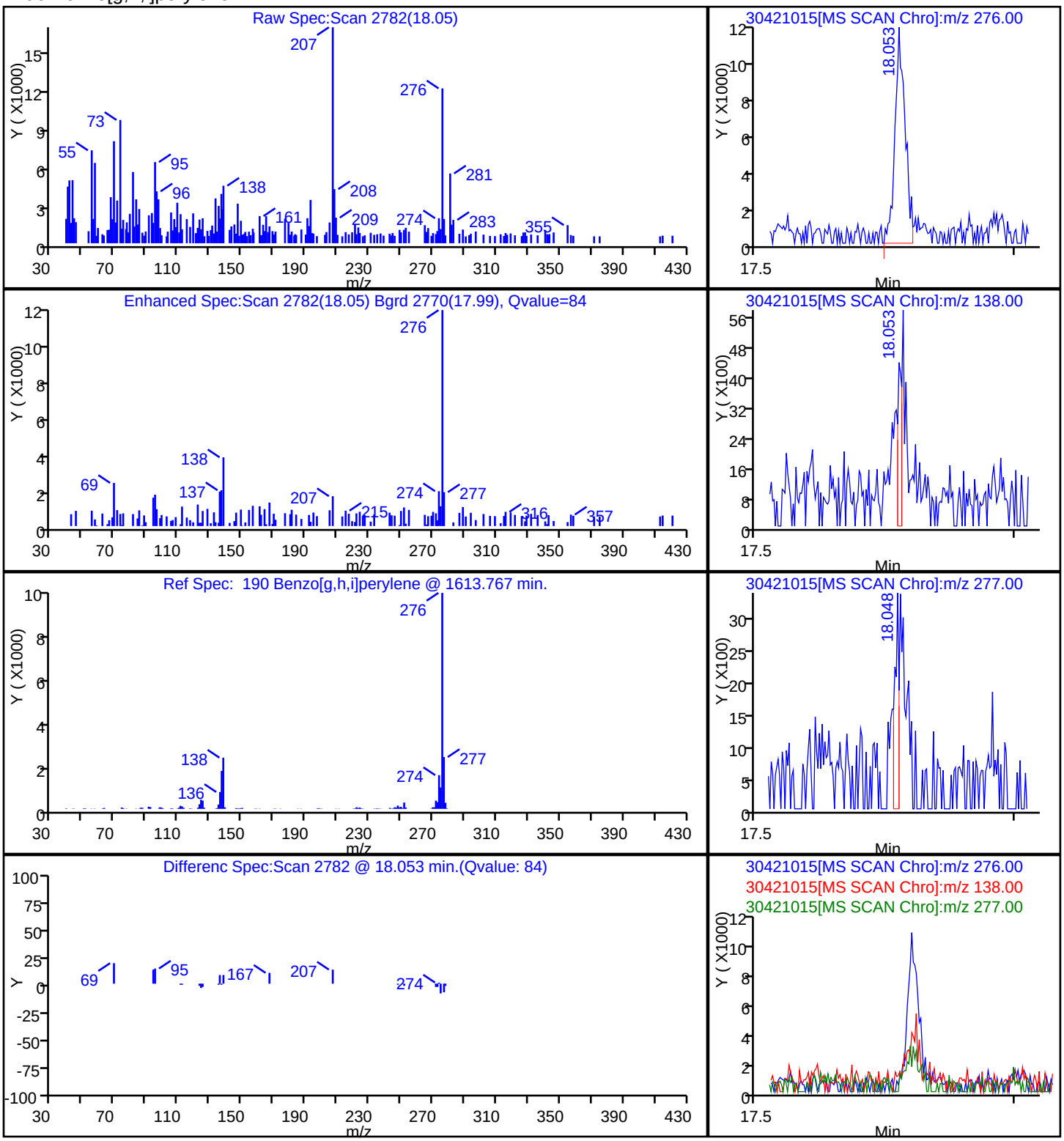
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene



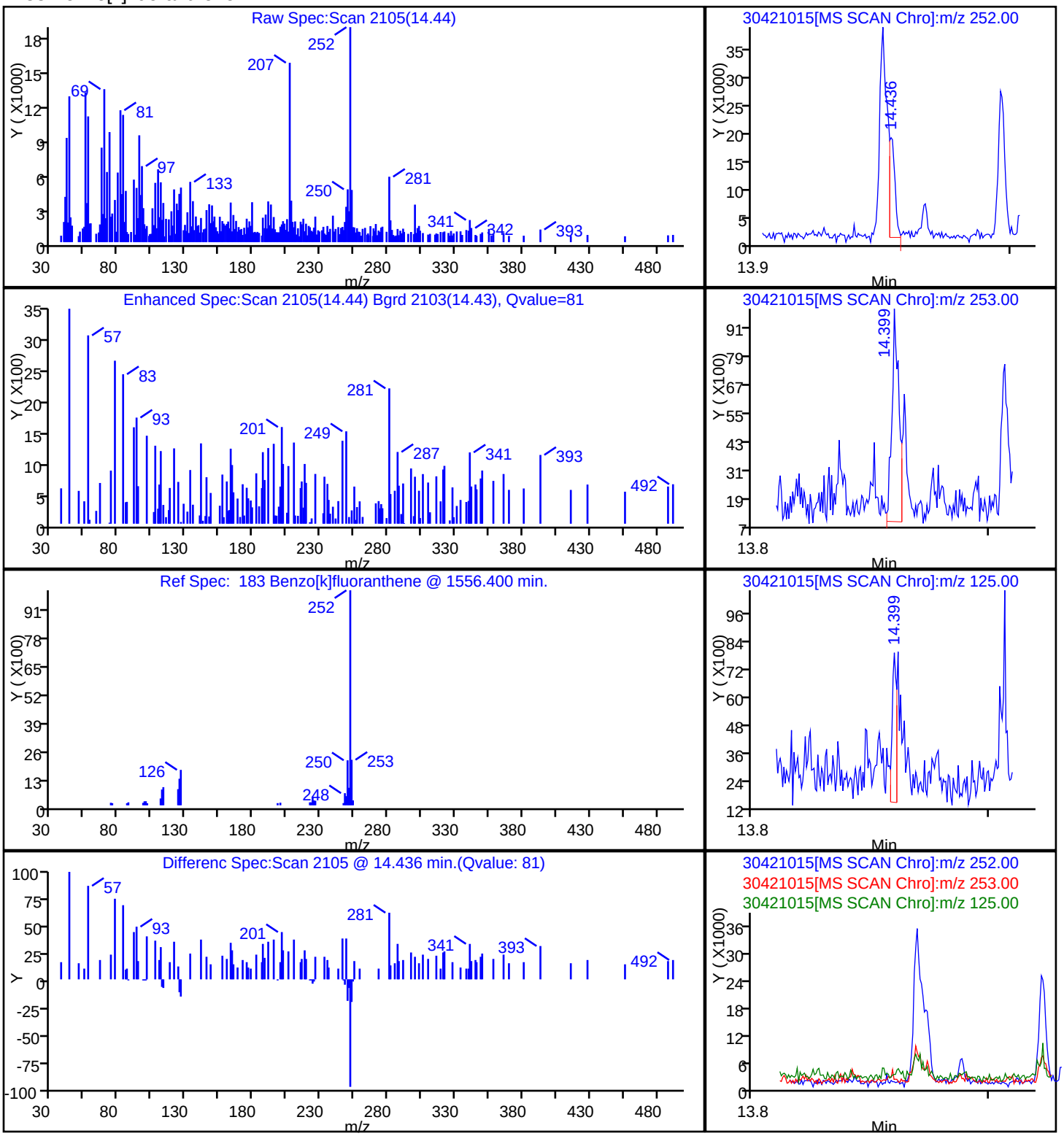
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421015.D

Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



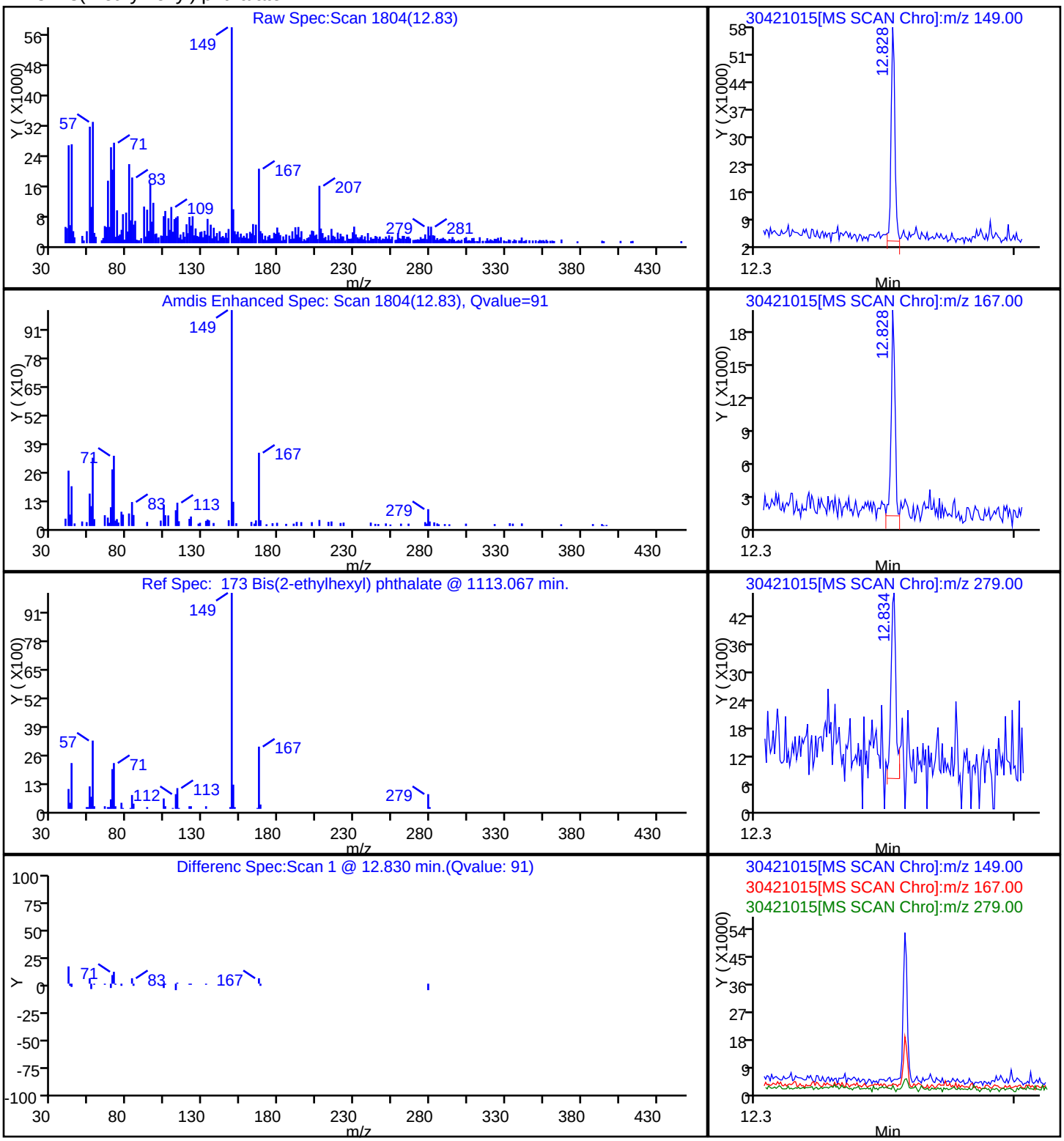
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



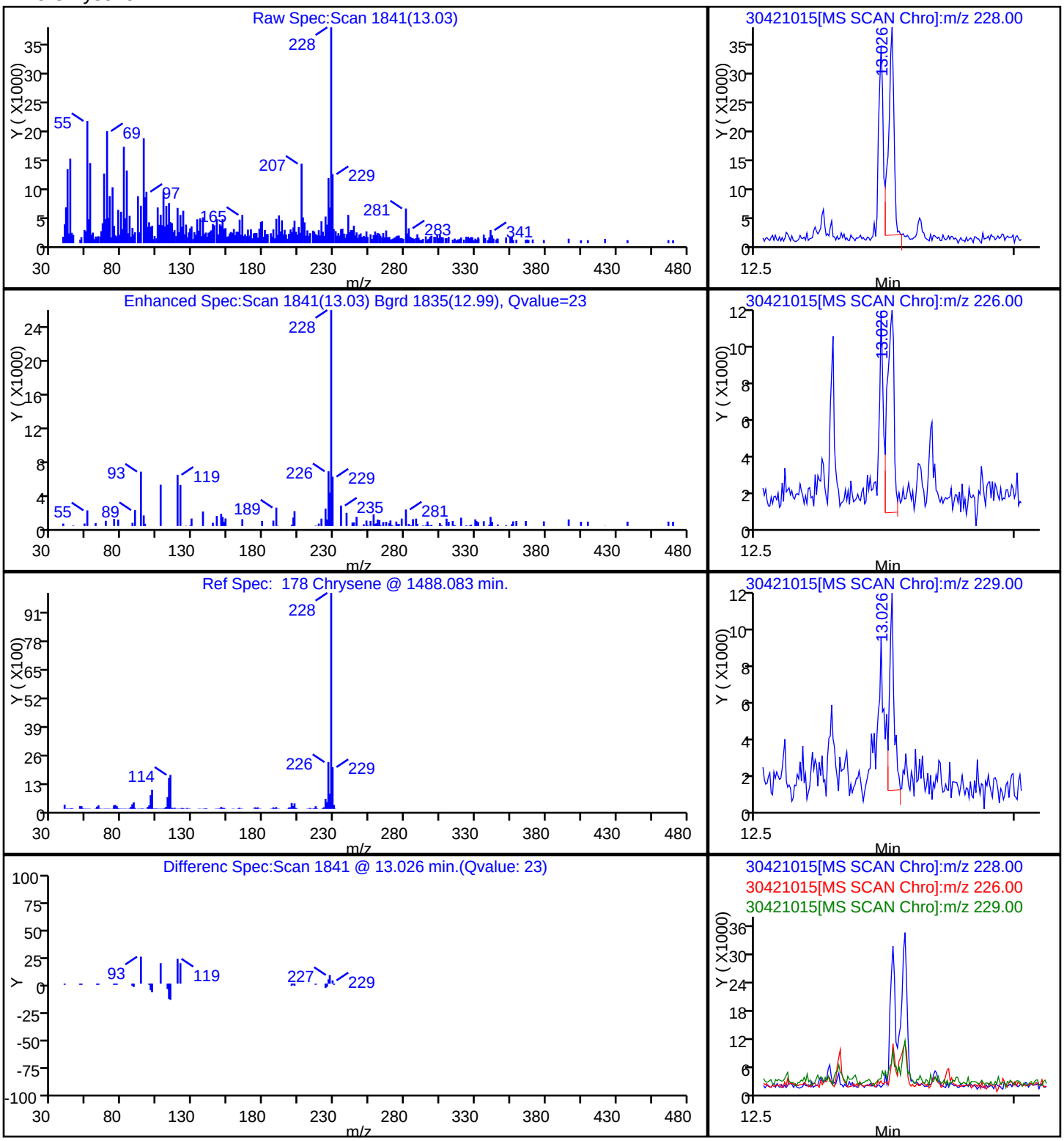
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



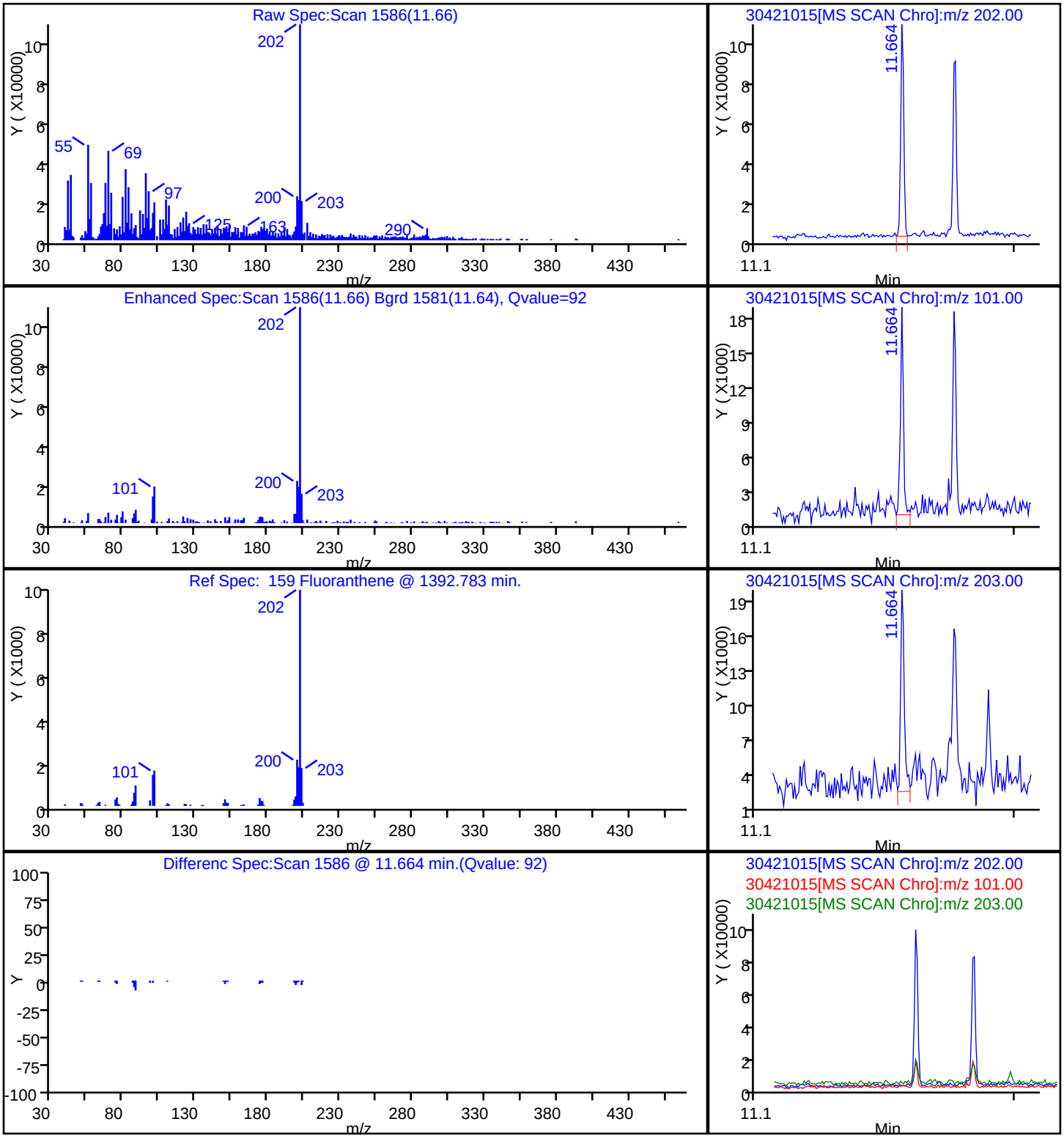
Report Date: 22-Apr-2013 08:55:48 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

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Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



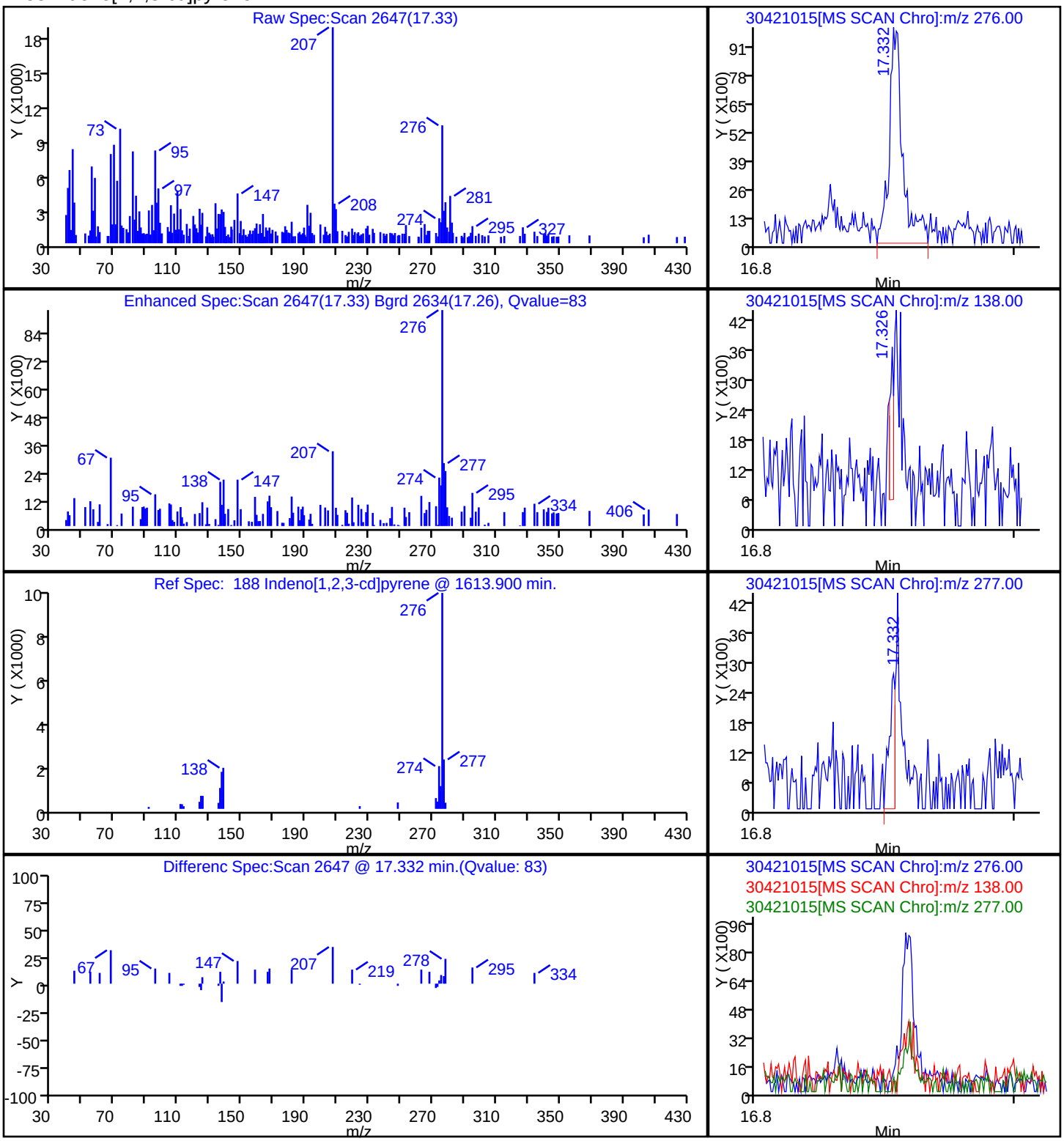
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421015.D

Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene



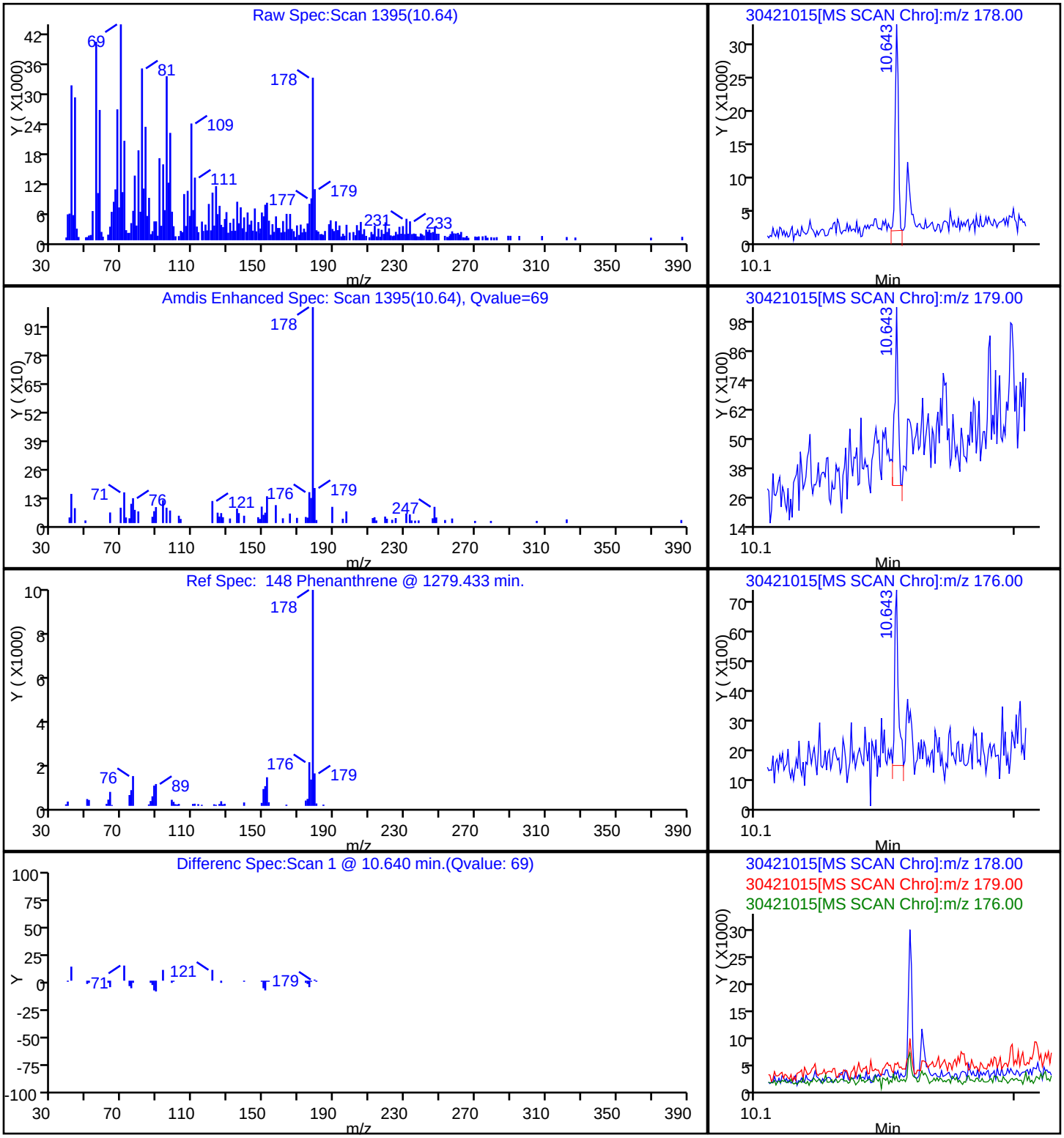
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421015.D

Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



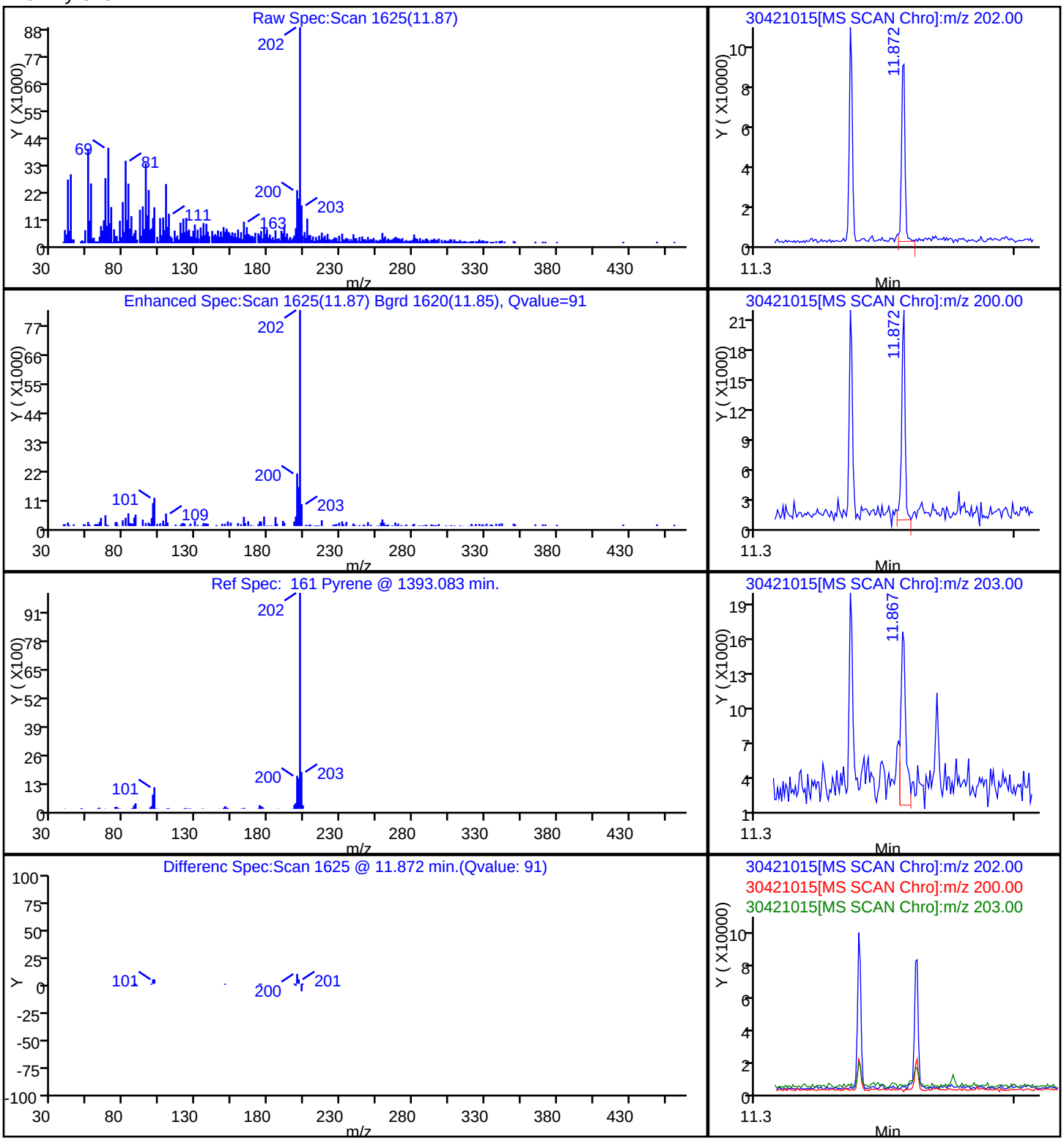
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421015.D

Injection Date:	21-Apr-2013 17:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Pyrene



Manual Integration/User Assign Peak Report

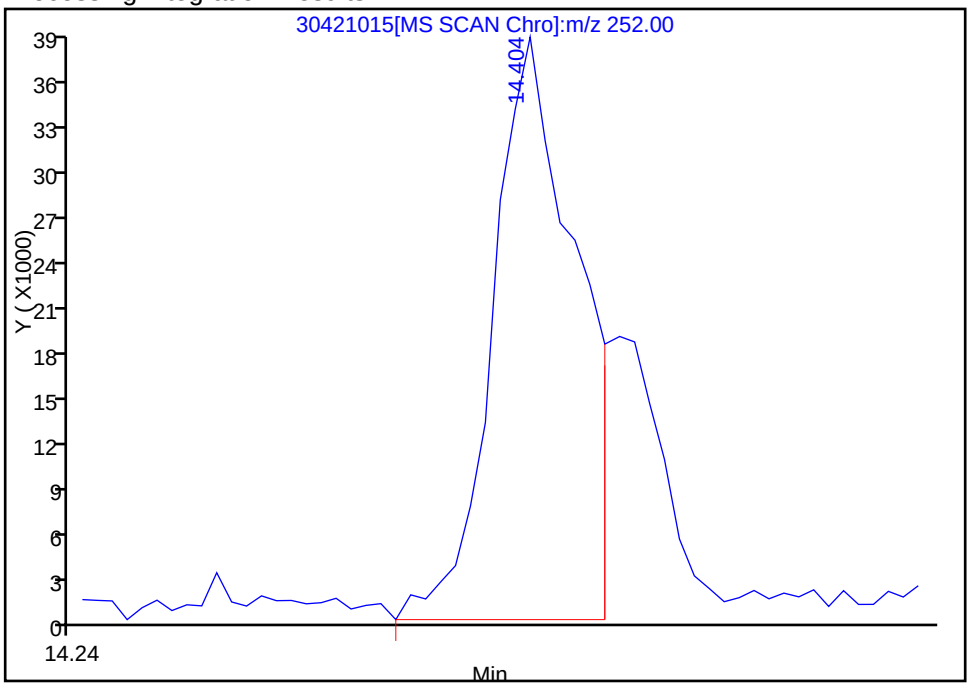
TestAmerica Canton

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Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.45

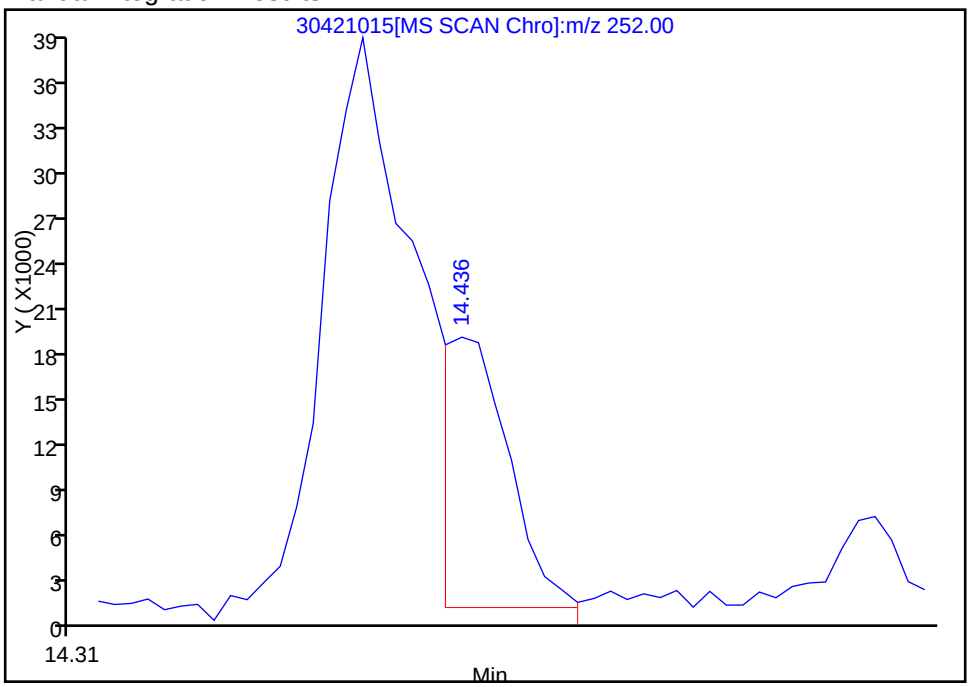
Processing Integration Results

RT: 14.40
Response: 80444
Amount: 0.298907



Manual Integration Results

RT: 14.44
Response: 26720
Amount: 0.099284



Reviewer: ulmanm, 22-Apr-2013 08:45:07
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

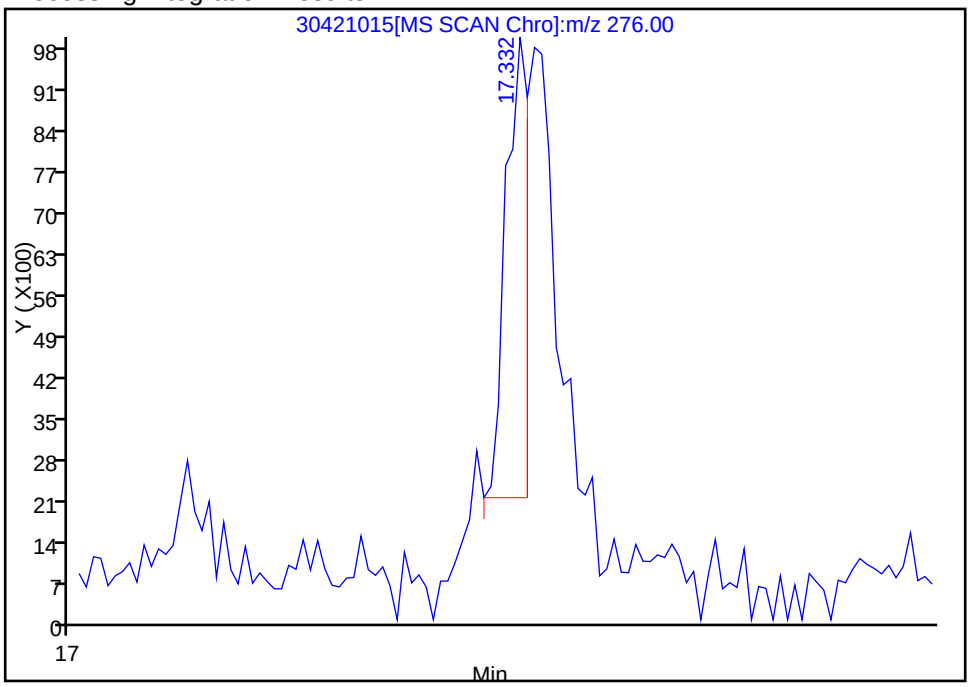
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421015.D		
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Client ID:	068SB-0017M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 17.35

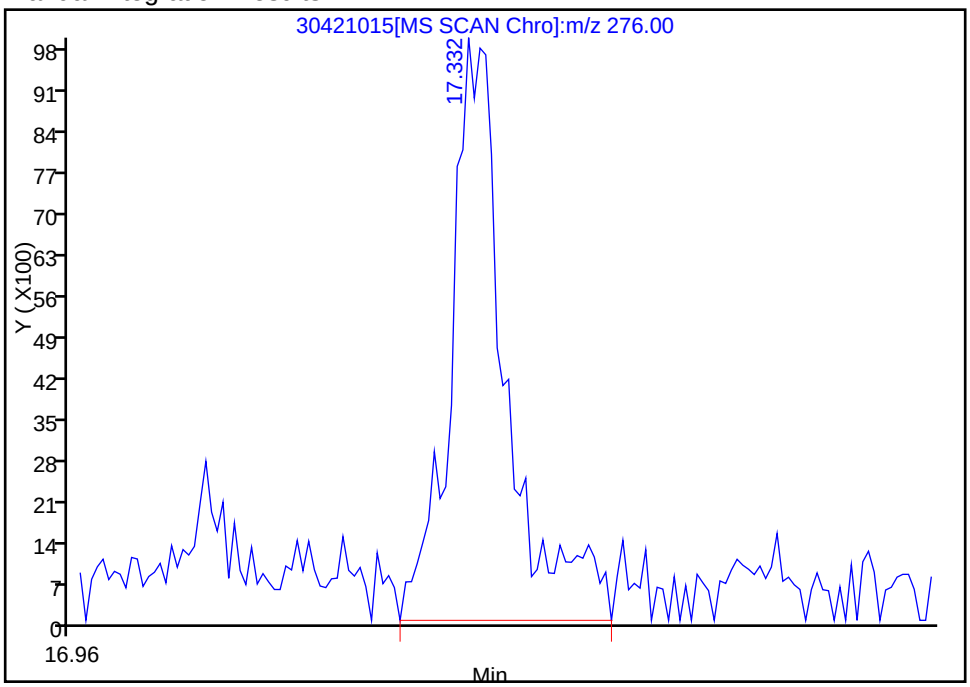
Processing Integration Results

RT: 17.33
Response: 8998
Amount: 0.038123



Manual Integration Results

RT: 17.33
Response: 35758
Amount: 0.151501



Reviewer: ulmanm, 22-Apr-2013 08:45:07
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0018M-0001-SO | Lab Sample ID: 240-22663-32

Matrix: Solid | Lab File ID: 30422012.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:43

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.72(g) | Date Analyzed: 04/22/2013 13:57

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	34	17	17
208-96-8	Acenaphthylene	17	U	34	17	17
120-12-7	Anthracene	17	U	34	17	17
56-55-3	Benzo[a]anthracene	17	U	34	17	17
50-32-8	Benzo[a]pyrene	17	U	34	17	17
205-99-2	Benzo[b]fluoranthene	21	J D	34	17	17
191-24-2	Benzo[g,h,i]perylene	17	U	34	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	17	U	34	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	500	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	500	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	500	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	350	140	96
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	66
85-68-7	Butyl benzyl phthalate	140	U	350	140	50
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	760	140	86
59-50-7	4-Chloro-3-methylphenol	140	U	760	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	66
218-01-9	Chrysene	17	U	34	17	5.6
53-70-3	Dibenz(a,h)anthracene	17	U	34	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	56
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	400	U	500	400	91
120-83-2	2,4-Dichlorophenol	140	U	760	140	100
84-66-2	Diethyl phthalate	140	U	350	140	81
105-67-9	2,4-Dimethylphenol	400	U	760	400	100
131-11-3	Dimethyl phthalate	140	U	350	140	86
84-74-2	Di-n-butyl phthalate	140	U	350	140	76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0018M-0001-SO | Lab Sample ID: 240-22663-32

Matrix: Solid | Lab File ID: 30422012.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:43

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.72(g) | Date Analyzed: 04/22/2013 13:57

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U	760	400	400
51-28-5	2,4-Dinitrophenol	400	U	1700	400	400
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	350	140	140
206-44-0	Fluoranthene	21	J D	34	17	17
86-73-7	Fluorene	17	U	34	17	17
118-74-1	Hexachlorobenzene	17	U	34	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	45
193-39-5	Indeno[1,2,3-cd]pyrene	17	U	34	17	17
78-59-1	Isophorone	140	U	250	140	66
91-57-6	2-Methylnaphthalene	17	U	34	17	17
95-48-7	2-Methylphenol	400	U	1000	400	400
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	100
91-20-3	Naphthalene	17	U	34	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	400	U	1000	400	81
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	500	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	400	U	1700	400	400
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	400	U	760	400	400
85-01-8	Phenanthrene	17	U	34	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	17	U	34	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	760	140	130
88-06-2	2,4,6-Trichlorophenol	400	U	760	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0018M-0001-SO | Lab Sample ID: 240-22663-32

Matrix: Solid | Lab File ID: 30422012.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:43

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.72(g) | Date Analyzed: 04/22/2013 13:57

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	70		45-105
367-12-4	2-Fluorophenol (Surr)	74		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	60		35-100
4165-62-2	Phenol-d5 (Surr)	74		40-100
1718-51-0	Terphenyl-d14 (Surr)	56		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	68		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422012.D
Lims ID: 240-22663-C-32-C Client ID: 068SB-0018M-0001-SO
Inject. Date: 22-Apr-2013 13:57:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019128-012
Misc. Info.: 240-22663-C-32-C =240-22663-C-32-C
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 82940 Lims Sample ID: 12
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\8270 _9.m
Last Update: 22-Apr-2013 14:26:17 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 14:26:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.720	6.717	0.003	95	163600	4.00	
* 2 Naphthalene-d8	136	7.825	7.828	-0.003	99	680924	4.00	
* 3 Acenaphthene-d10	164	9.332	9.335	-0.003	78	417508	4.00	
* 4 Phenanthrene-d10	188	10.603	10.606	-0.003	97	681976	4.00	
* 5 Chrysene-d12	240	12.970	12.978	-0.008	81	840079	4.00	
* 6 Perylene-d12	264	15.011	15.019	-0.008	97	729998	4.00	
$ 7 2-Fluorophenol	112	5.571	5.510	0.061	92	147422	2.22	
$ 8 Phenol-d5	99	6.351	6.343	0.008	89	198140	2.22	
$ 9 Nitrobenzene-d5	82	7.190	7.187	0.003	85	120078	1.20	
$ 10 2-Fluorobiphenyl (Surr)	172	8.717	8.721	-0.004	97	172812	1.39	
$ 11 2,4,6-Tribromophenol	330	10.000	10.003	-0.003	79	27527	2.04	
$ 12 Terphenyl-d14	244	11.917	11.921	-0.004	98	168868	1.12	
43 Phenol	94		6.354					9
69 Bis(2-chloroethyl)ether	93		6.445					
46 2-Chlorophenol	128		6.530					
47 1,3-Dichlorobenzene	146		6.675					9
48 1,4-Dichlorobenzene	146		6.733					9
49 Benzyl alcohol	108		6.808					9
50 1,2-Dichlorobenzene	146		6.872					
51 2-Methylphenol	108		6.888					9
53 2,2'-oxybis[1-chloropropane]	45		6.920					
21 3 & 4 Methylphenol	108		7.011					
57 N-Nitrosodi-n-propylamine	70		7.027					9
61 Hexachloroethane	117		7.177					
62 Nitrobenzene	77		7.203					
64 Isophorone	82		7.401					9
65 2,4-Dimethylphenol	107		7.476					
66 2-Nitrophenol	139		7.481					
71 Benzoic acid	122		7.529					
70 Bis(2-chloroethoxy)methane	93		7.551					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.684					
74 1,2,4-Trichlorobenzene	180		7.770					
75 Naphthalene	128		7.844					9
76 4-Chloroaniline	127		7.861					
79 Hexachlorobutadiene	225		7.941					
86 4-Chloro-3-methylphenol	107		8.245					
87 2-Methylnaphthalene	142		8.432					9
89 Hexachlorocyclopentadiene	237		8.571					
92 2,4,6-Trichlorophenol	196		8.656					
93 2,4,5-Trichlorophenol	196		8.694					
100 2-Chloronaphthalene	162		8.854					
102 2-Nitroaniline	65		8.913					
105 Dimethyl phthalate	163		9.030					
107 2,6-Dinitrotoluene	165		9.095					
109 Acenaphthylene	152		9.217					
110 3-Nitroaniline	138		9.255					
111 2,4-Dinitrophenol	184		9.340					
113 4-Nitrophenol	109		9.356					9
112 Acenaphthene	153		9.362					
114 2,4-Dinitrotoluene	165		9.447					
116 Dibenzofuran	168		9.506					9
121 Diethyl phthalate	149		9.623					9
123 4-Chlorophenyl phenyl ether	204		9.762					
125 4-Nitroaniline	138		9.778					
126 Fluorene	166		9.800					9
128 4,6-Dinitro-2-methylphenol	198		9.805					
131 N-Nitrosodiphenylamine	169		9.858					
139 4-Bromophenyl phenyl ether	248		10.184					
141 Hexachlorobenzene	284		10.286					
143 Pentachlorophenol	266		10.435					
148 Phenanthrene	178		10.628					9
149 Anthracene	178		10.670					9
151 Carbazole	167		10.783					9
154 Di-n-butyl phthalate	149		10.996					
159 Fluoranthene	202	11.645	11.648	-0.003	57	5822	0.0622	
161 Pyrene	202		11.851					
168 Butyl benzyl phthalate	149		12.294					9
173 Bis(2-ethylhexyl) phthalate	149	12.804	12.813	-0.009	90	23369	0.2065	
175 3,3'-Dichlorobenzidine	252		12.877					
177 Benzo[a]anthracene	228		12.962					9
178 Chrysene	228		13.005					
180 Di-n-octyl phthalate	149		13.550					
182 Benzo[b]fluoranthene	252	14.369	14.373	-0.004	68	12050	0.0639	
183 Benzo[k]fluoranthene	252		14.410					
184 Benzo[a]pyrene	252		14.923					
188 Indeno[1,2,3-cd]pyrene	276		17.289					9
189 Dibenz(a,h)anthracene	278		17.300					
190 Benzo[g,h,i]perylene	276		18.000					9

QC Flag Legend

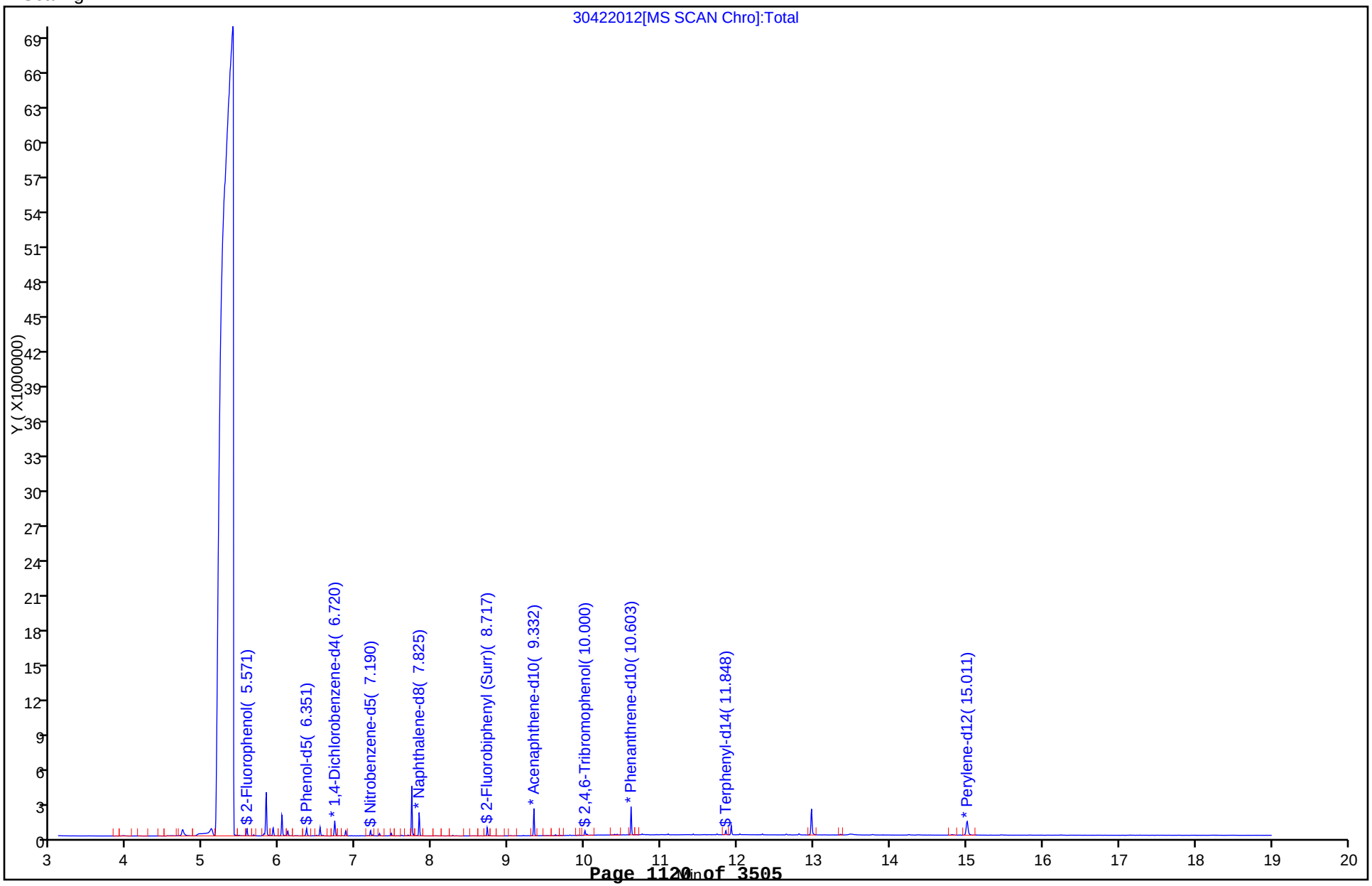
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9 - Failed A Reference Spectral Test

Report Date: 22-Apr-2013 14:26:20 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422012.D		
Injection Date:	22-Apr-2013 13:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0018M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

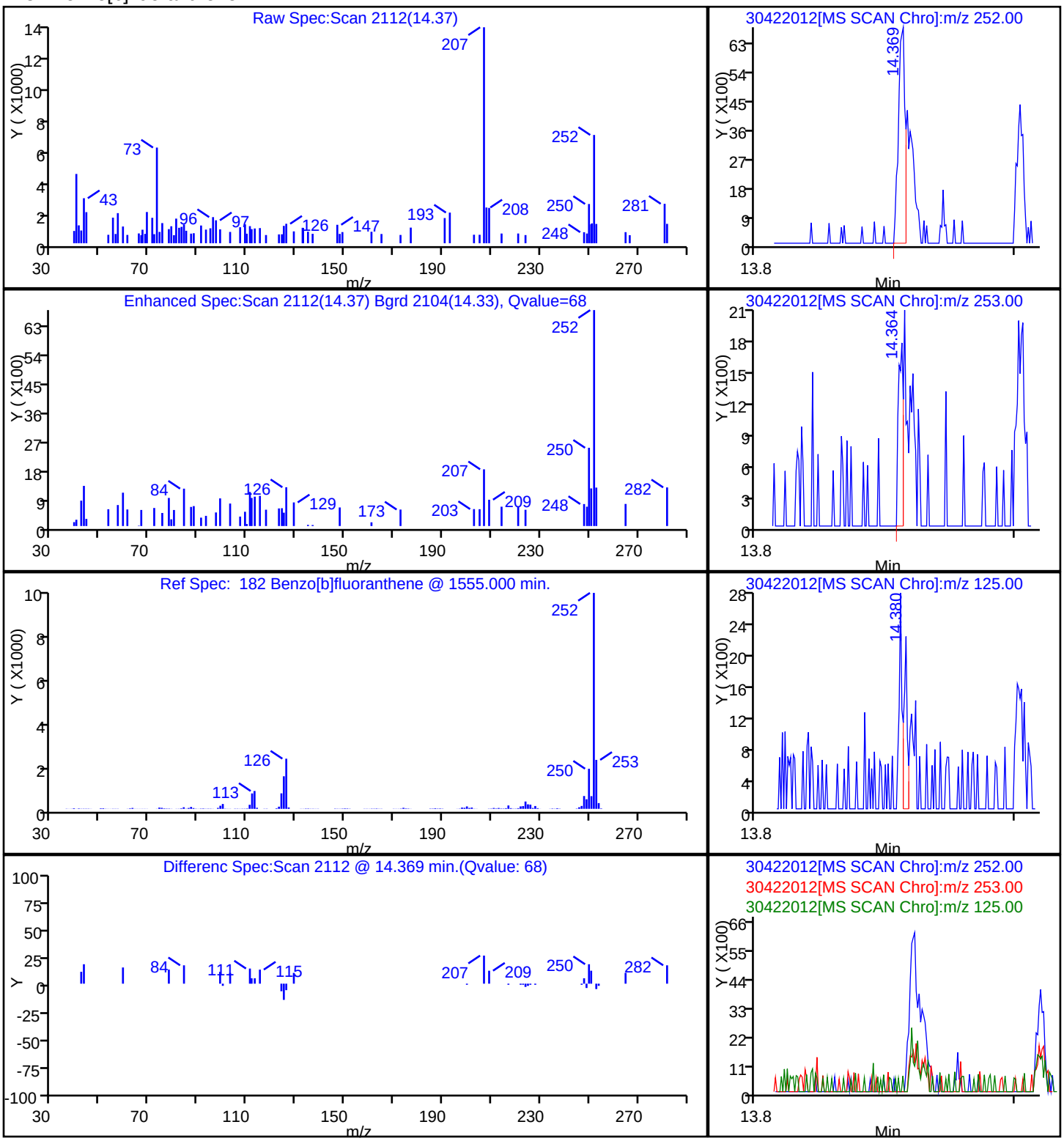


Report Date: 22-Apr-2013 14:26:20 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422012.D		
Injection Date:	22-Apr-2013 13:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0018M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



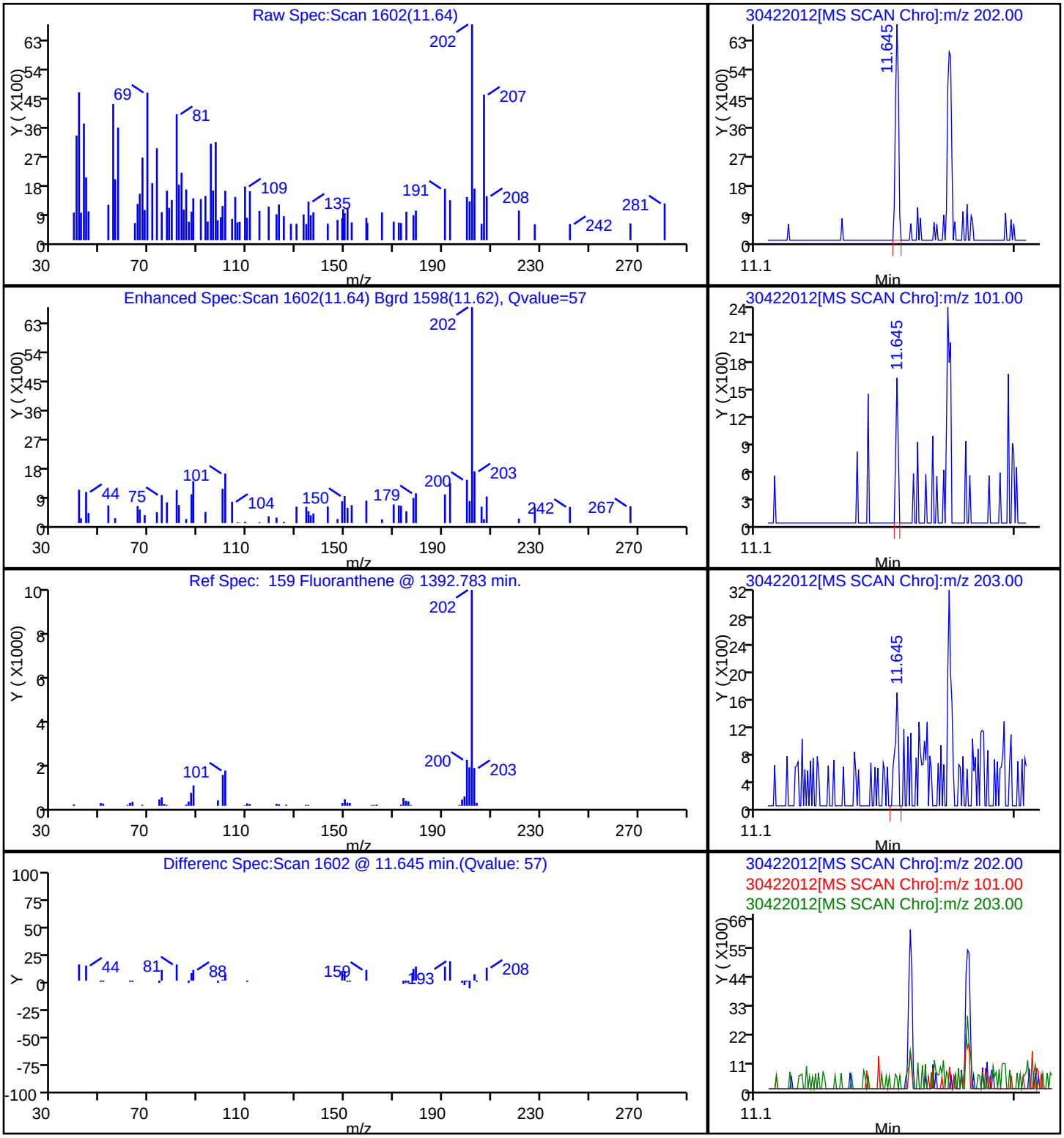
Report Date: 22-Apr-2013 14:26:20 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422012.D

Injection Date:	22-Apr-2013 13:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0018M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0019M-0001-SO | Lab Sample ID: 240-22663-33

Matrix: Solid | Lab File ID: 30422015.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:21

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.45(g) | Date Analyzed: 04/22/2013 15:15

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	16	U	33	16	16
208-96-8	Acenaphthylene	16	U	33	16	16
120-12-7	Anthracene	16	U	33	16	16
56-55-3	Benzo[a]anthracene	16	U	33	16	16
50-32-8	Benzo[a]pyrene	16	U	33	16	16
205-99-2	Benzo[b]fluoranthene	16	U	33	16	16
191-24-2	Benzo[g,h,i]perylene	16	U	33	16	16
65-85-0	Benzoic acid	1600	U	3300	1600	1600
207-08-9	Benzo[k]fluoranthene	16	U	33	16	16
100-51-6	Benzyl alcohol	130	U	1600	130	100
111-91-1	Bis(2-chloroethoxy)methane	130	U	490	130	110
111-44-4	Bis(2-chloroethyl)ether	16	U	490	16	9.9
108-60-1	bis (2-chloroisopropyl) ether	130	U	490	130	47
117-81-7	Bis(2-ethylhexyl) phthalate	130	U	340	130	94
101-55-3	4-Bromophenyl phenyl ether	130	U	250	130	64
85-68-7	Butyl benzyl phthalate	130	U	340	130	49
86-74-8	Carbazole	130	U	250	130	130
106-47-8	4-Chloroaniline	130	U	740	130	84
59-50-7	4-Chloro-3-methylphenol	130	U	740	130	100
91-58-7	2-Chloronaphthalene	16	U	250	16	16
95-57-8	2-Chlorophenol	130	U	250	130	130
7005-72-3	4-Chlorophenyl phenyl ether	130	U	250	130	64
218-01-9	Chrysene	16	U	33	16	5.4
53-70-3	Dibenz(a,h)anthracene	16	U	33	16	16
132-64-9	Dibenzofuran	16	U	250	16	16
95-50-1	1,2-Dichlorobenzene	130	U	250	130	48
541-73-1	1,3-Dichlorobenzene	130	U	250	130	54
106-46-7	1,4-Dichlorobenzene	130	U	250	130	99
91-94-1	3,3'-Dichlorobenzidine	390	U	490	390	89
120-83-2	2,4-Dichlorophenol	130	U	740	130	99
84-66-2	Diethyl phthalate	130	U	340	130	79
105-67-9	2,4-Dimethylphenol	390	U	740	390	99
131-11-3	Dimethyl phthalate	130	U	340	130	84
84-74-2	Di-n-butyl phthalate	130	U	340	130	74

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0019M-0001-SO | Lab Sample ID: 240-22663-33

Matrix: Solid | Lab File ID: 30422015.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:21

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.45(g) | Date Analyzed: 04/22/2013 15:15

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	390	U	740	390	390
51-28-5	2,4-Dinitrophenol	390	U	1600	390	390
121-14-2	2,4-Dinitrotoluene	130	U	990	130	130
606-20-2	2,6-Dinitrotoluene	130	U	990	130	100
117-84-0	Di-n-octyl phthalate	130	U	340	130	130
206-44-0	Fluoranthene	16	U	33	16	16
86-73-7	Fluorene	16	U	33	16	16
118-74-1	Hexachlorobenzene	16	U	33	16	10
87-68-3	Hexachlorobutadiene	130	U	250	130	130
77-47-4	Hexachlorocyclopentadiene	130	U	1600	130	130
67-72-1	Hexachloroethane	130	U	250	130	44
193-39-5	Indeno[1,2,3-cd]pyrene	16	U	33	16	16
78-59-1	Isophorone	130	U	250	130	64
91-57-6	2-Methylnaphthalene	16	U	33	16	16
95-48-7	2-Methylphenol	390	U	990	390	390
15831-10-4	3 & 4 Methylphenol	390	U	2000	390	99
91-20-3	Naphthalene	16	U	33	16	16
88-74-4	2-Nitroaniline	130	U	990	130	45
99-09-2	3-Nitroaniline	390	U	990	390	79
100-01-6	4-Nitroaniline	130	U	990	130	130
98-95-3	Nitrobenzene	16	U	490	16	11
88-75-5	2-Nitrophenol	130	U	250	130	130
100-02-7	4-Nitrophenol	390	U	1600	390	390
621-64-7	N-Nitrosodi-n-propylamine	130	U	250	130	130
86-30-6	N-Nitrosodiphenylamine	130	U	250	130	100
87-86-5	Pentachlorophenol	390	U	740	390	390
85-01-8	Phenanthrene	16	U	33	16	16
108-95-2	Phenol	130	U	250	130	130
129-00-0	Pyrene	16	U	33	16	16
120-82-1	1,2,4-Trichlorobenzene	130	U	250	130	130
95-95-4	2,4,5-Trichlorophenol	130	U	740	130	120
88-06-2	2,4,6-Trichlorophenol	390	U	740	390	390

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0019M-0001-SO | Lab Sample ID: 240-22663-33

Matrix: Solid | Lab File ID: 30422015.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:21

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.45(g) | Date Analyzed: 04/22/2013 15:15

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	69		45-105
367-12-4	2-Fluorophenol (Surr)	65		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	58		35-100
4165-62-2	Phenol-d5 (Surr)	72		40-100
1718-51-0	Terphenyl-d14 (Surr)	57		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	57		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422015.D
Lims ID: 240-22663-C-33-C Client ID: 068SB-0019M-0001-SO
Inject. Date: 22-Apr-2013 15:15:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019128-015
Misc. Info.: 240-22663-C-33-C =240-22663-C-33-C
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 82940 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\8270 _9.m
Last Update: 23-Apr-2013 08:13:07 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK026

First Level Reviewer: ulmanm Date: 22-Apr-2013 15:47:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.720	6.717	0.003	95	158551	4.00	
* 2 Naphthalene-d8	136	7.826	7.828	-0.002	99	662110	4.00	
* 3 Acenaphthene-d10	164	9.332	9.335	-0.003	79	393757	4.00	
* 4 Phenanthrene-d10	188	10.604	10.606	-0.002	93	656827	4.00	
* 5 Chrysene-d12	240	12.970	12.978	-0.008	80	788274	4.00	
* 6 Perylene-d12	264	15.011	15.019	-0.008	82	685940	4.00	
$ 7 2-Fluorophenol	112	5.561	5.510	0.051	93	125190	1.94	
$ 8 Phenol-d5	99	6.346	6.343	0.003	89	186535	2.16	
$ 9 Nitrobenzene-d5	82	7.190	7.187	0.003	85	112341	1.15	
$ 10 2-Fluorobiphenyl (Surr)	172	8.718	8.721	-0.003	99	161578	1.38	
$ 11 2,4,6-Tribromophenol	330	10.000	10.003	-0.003	74	21797	1.71	
$ 12 Terphenyl-d14	244	11.918	11.921	-0.003	98	162028	1.15	
43 Phenol	94		6.354					9
69 Bis(2-chloroethyl)ether	93		6.445					
46 2-Chlorophenol	128		6.530					
47 1,3-Dichlorobenzene	146		6.675					9
48 1,4-Dichlorobenzene	146		6.733					9
49 Benzyl alcohol	108		6.808					9
50 1,2-Dichlorobenzene	146		6.872					
51 2-Methylphenol	108		6.888					9
53 2,2'-oxybis[1-chloropropane]	45		6.920					
21 3 & 4 Methylphenol	108		7.011					
57 N-Nitrosodi-n-propylamine	70		7.027					
61 Hexachloroethane	117		7.177					
62 Nitrobenzene	77		7.203					9
64 Isophorone	82		7.401					9
65 2,4-Dimethylphenol	107		7.476					
66 2-Nitrophenol	139		7.481					9
71 Benzoic acid	122		7.529					
70 Bis(2-chloroethoxy)methane	93		7.551					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.684					
74 1,2,4-Trichlorobenzene	180		7.770					
75 Naphthalene	128		7.844					9
76 4-Chloroaniline	127		7.861					9
79 Hexachlorobutadiene	225		7.941					
86 4-Chloro-3-methylphenol	107		8.245					
87 2-Methylnaphthalene	142		8.432					9
89 Hexachlorocyclopentadiene	237		8.571					
92 2,4,6-Trichlorophenol	196		8.656					
93 2,4,5-Trichlorophenol	196		8.694					
100 2-Chloronaphthalene	162		8.854					
102 2-Nitroaniline	65		8.913					
105 Dimethyl phthalate	163		9.030					
107 2,6-Dinitrotoluene	165		9.095					9
109 Acenaphthylene	152		9.217					
110 3-Nitroaniline	138		9.255					
111 2,4-Dinitrophenol	184		9.340					
113 4-Nitrophenol	109		9.356					9
112 Acenaphthene	153		9.362					
114 2,4-Dinitrotoluene	165		9.447					
116 Dibenzofuran	168		9.506					9
121 Diethyl phthalate	149		9.623					9
123 4-Chlorophenyl phenyl ether	204		9.762					
125 4-Nitroaniline	138		9.778					
126 Fluorene	166		9.800					9
128 4,6-Dinitro-2-methylphenol	198		9.805					
131 N-Nitrosodiphenylamine	169		9.858					
139 4-Bromophenyl phenyl ether	248		10.184					
141 Hexachlorobenzene	284		10.286					
143 Pentachlorophenol	266		10.435					
148 Phenanthrene	178		10.628					9
149 Anthracene	178		10.670					9
151 Carbazole	167		10.783					
154 Di-n-butyl phthalate	149		10.996					9
159 Fluoranthene	202		11.648					
161 Pyrene	202		11.851					9
168 Butyl benzyl phthalate	149		12.294					9
173 Bis(2-ethylhexyl) phthalate	149	12.805	12.813	-0.008	81	17576	0.1655	
175 3,3'-Dichlorobenzidine	252		12.877					
177 Benzo[a]anthracene	228		12.962					9
178 Chrysene	228		13.005					9
180 Di-n-octyl phthalate	149		13.550					
182 Benzo[b]fluoranthene	252		14.373					
183 Benzo[k]fluoranthene	252		14.410					
184 Benzo[a]pyrene	252		14.923					9
188 Indeno[1,2,3-cd]pyrene	276		17.289					
189 Dibenz(a,h)anthracene	278		17.300					
190 Benzo[g,h,i]perylene	276		18.000					

QC Flag Legend

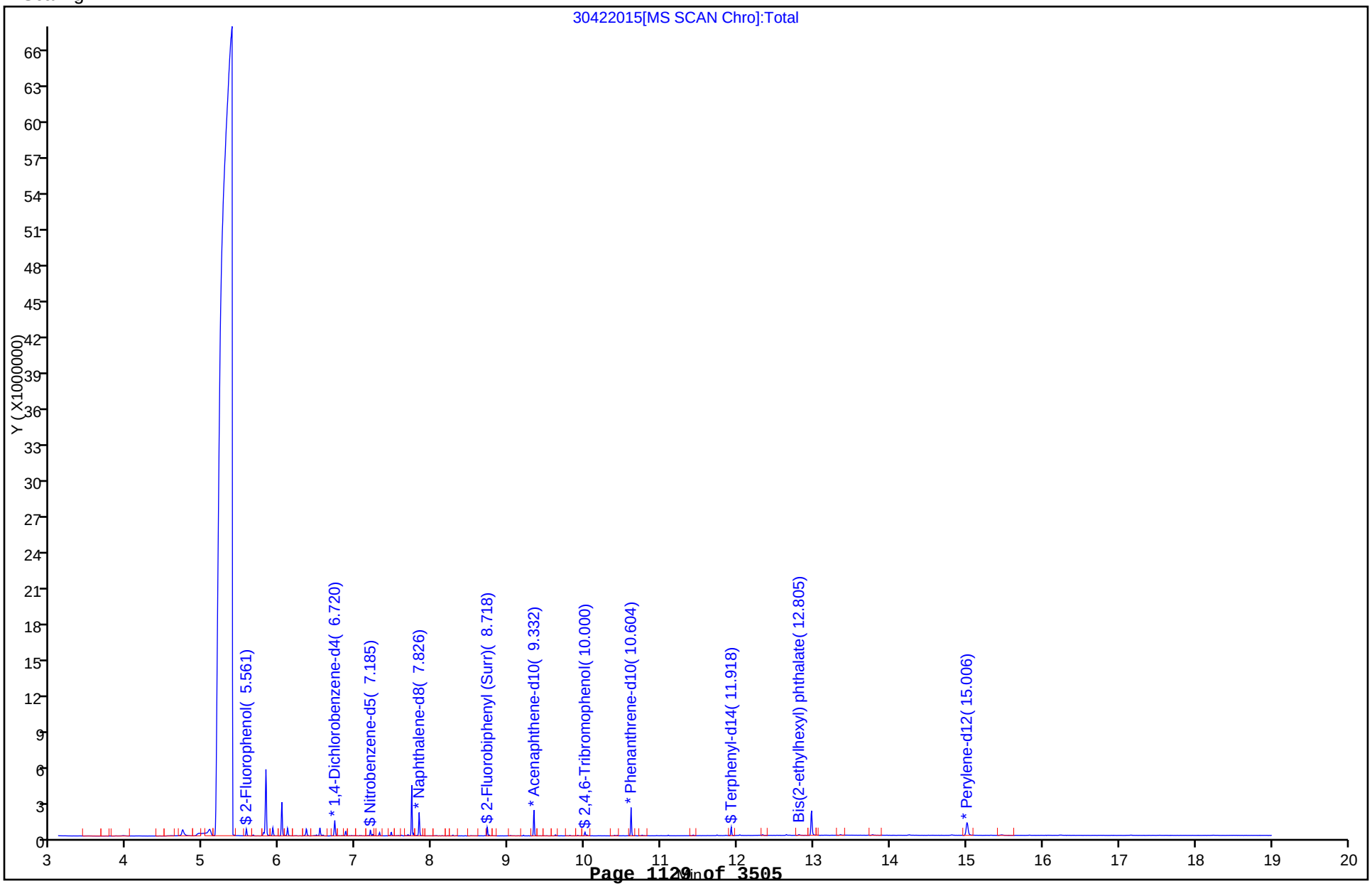
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 23-Apr-2013 08:13:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422015.D		
Injection Date:	22-Apr-2013 15:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0019M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0022M-0001-SO | Lab Sample ID: 240-22663-34

Matrix: Solid | Lab File ID: 30422016.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:21

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.53(g) | Date Analyzed: 04/22/2013 15:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	34	17	17
208-96-8	Acenaphthylene	17	U	34	17	17
120-12-7	Anthracene	17	U	34	17	17
56-55-3	Benzo[a]anthracene	17	U	34	17	17
50-32-8	Benzo[a]pyrene	17	U	34	17	17
205-99-2	Benzo[b]fluoranthene	17	U	34	17	17
191-24-2	Benzo[g,h,i]perylene	17	U	34	17	17
65-85-0	Benzoic acid	1700	U	3400	1700	1700
207-08-9	Benzo[k]fluoranthene	17	U	34	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	510	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	510	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	510	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	360	140	97
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	66
85-68-7	Butyl benzyl phthalate	140	U	360	140	51
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	760	140	86
59-50-7	4-Chloro-3-methylphenol	140	U	760	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	66
218-01-9	Chrysene	17	U	34	17	5.6
53-70-3	Dibenz(a,h)anthracene	17	U	34	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	56
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	410	U	510	410	91
120-83-2	2,4-Dichlorophenol	140	U	760	140	100
84-66-2	Diethyl phthalate	140	U	360	140	81
105-67-9	2,4-Dimethylphenol	410	U	760	410	100
131-11-3	Dimethyl phthalate	140	U	360	140	86
84-74-2	Di-n-butyl phthalate	140	U	360	140	76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0022M-0001-SO | Lab Sample ID: 240-22663-34

Matrix: Solid | Lab File ID: 30422016.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:21

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.53(g) | Date Analyzed: 04/22/2013 15:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	410	U	760	410	410
51-28-5	2,4-Dinitrophenol	410	U	1700	410	410
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	360	140	140
206-44-0	Fluoranthene	17	U	34	17	17
86-73-7	Fluorene	17	U	34	17	17
118-74-1	Hexachlorobenzene	17	U	34	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	46
193-39-5	Indeno[1,2,3-cd]pyrene	17	U	34	17	17
78-59-1	Isophorone	140	U	250	140	66
91-57-6	2-Methylnaphthalene	17	U	34	17	17
95-48-7	2-Methylphenol	410	U	1000	410	410
15831-10-4	3 & 4 Methylphenol	410	U	2000	410	100
91-20-3	Naphthalene	17	U	34	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	410	U	1000	410	81
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	510	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	410	U	1700	410	410
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	410	U	760	410	410
85-01-8	Phenanthrene	17	U	34	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	17	U	34	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	760	140	130
88-06-2	2,4,6-Trichlorophenol	410	U	760	410	410

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0022M-0001-SO | Lab Sample ID: 240-22663-34

Matrix: Solid | Lab File ID: 30422016.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:21

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.53(g) | Date Analyzed: 04/22/2013 15:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	75		45-105
367-12-4	2-Fluorophenol (Surr)	75		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	62		35-100
4165-62-2	Phenol-d5 (Surr)	79		40-100
1718-51-0	Terphenyl-d14 (Surr)	63		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	67		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422016.D
Lims ID: 240-22663-C-34-C Client ID: 068SB-0022M-0001-SO
Inject. Date: 22-Apr-2013 15:41:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019128-016
Misc. Info.: 240-22663-C-34-C =240-22663-C-34-C
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 82940 Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\8270 _9.m
Last Update: 23-Apr-2013 08:13:07 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK026

First Level Reviewer: ulmanm Date: 22-Apr-2013 16:09:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.718	6.717	0.001	94	163724	4.00	
* 2 Naphthalene-d8	136	7.824	7.828	-0.004	99	700084	4.00	
* 3 Acenaphthene-d10	164	9.330	9.335	-0.005	80	410070	4.00	
* 4 Phenanthrene-d10	188	10.607	10.606	0.001	98	695621	4.00	
* 5 Chrysene-d12	240	12.968	12.978	-0.010	77	845911	4.00	
* 6 Perylene-d12	264	15.009	15.019	-0.010	93	728233	4.00	
$ 7 2-Fluorophenol	112	5.564	5.510	0.054	92	150522	2.26	
$ 8 Phenol-d5	99	6.349	6.343	0.006	94	210542	2.36	
$ 9 Nitrobenzene-d5	82	7.188	7.187	0.001	85	127727	1.24	
$ 10 2-Fluorobiphenyl (Surr)	172	8.721	8.721	0.0	98	182521	1.50	
$ 11 2,4,6-Tribromophenol	330	9.998	10.003	-0.005	79	26814	2.02	
$ 12 Terphenyl-d14	244	11.916	11.921	-0.005	98	189566	1.25	
43 Phenol	94		6.354					9
69 Bis(2-chloroethyl)ether	93		6.445					
46 2-Chlorophenol	128		6.530					
47 1,3-Dichlorobenzene	146		6.675					9
48 1,4-Dichlorobenzene	146		6.733					9
49 Benzyl alcohol	108		6.808					9
50 1,2-Dichlorobenzene	146		6.872					
51 2-Methylphenol	108		6.888					9
53 2,2'-oxybis[1-chloropropane]	45		6.920					
21 3 & 4 Methylphenol	108		7.011					
57 N-Nitrosodi-n-propylamine	70		7.027					9
61 Hexachloroethane	117		7.177					
62 Nitrobenzene	77		7.203					9
64 Isophorone	82		7.401					9
65 2,4-Dimethylphenol	107		7.476					
66 2-Nitrophenol	139		7.481					
71 Benzoic acid	122		7.529					
70 Bis(2-chloroethoxy)methane	93		7.551					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.684					
74 1,2,4-Trichlorobenzene	180		7.770					
75 Naphthalene	128		7.844					9
76 4-Chloroaniline	127		7.861					9
79 Hexachlorobutadiene	225		7.941					
86 4-Chloro-3-methylphenol	107		8.245					
87 2-Methylnaphthalene	142		8.432					9
89 Hexachlorocyclopentadiene	237		8.571					
92 2,4,6-Trichlorophenol	196		8.656					
93 2,4,5-Trichlorophenol	196		8.694					
100 2-Chloronaphthalene	162		8.854					
102 2-Nitroaniline	65		8.913					
105 Dimethyl phthalate	163		9.030					
107 2,6-Dinitrotoluene	165		9.095					
109 Acenaphthylene	152		9.217					
110 3-Nitroaniline	138		9.255					
111 2,4-Dinitrophenol	184		9.340					
113 4-Nitrophenol	109		9.356					9
112 Acenaphthene	153		9.362					
114 2,4-Dinitrotoluene	165		9.447					
116 Dibenzofuran	168		9.506					
121 Diethyl phthalate	149		9.623					9
123 4-Chlorophenyl phenyl ether	204		9.762					
125 4-Nitroaniline	138		9.778					
126 Fluorene	166		9.800					
128 4,6-Dinitro-2-methylphenol	198		9.805					
131 N-Nitrosodiphenylamine	169		9.858					
139 4-Bromophenyl phenyl ether	248		10.184					
141 Hexachlorobenzene	284		10.286					
143 Pentachlorophenol	266		10.435					
148 Phenanthrene	178		10.628					9
149 Anthracene	178		10.670					9
151 Carbazole	167		10.783					
154 Di-n-butyl phthalate	149		10.996					9
159 Fluoranthene	202		11.648					
161 Pyrene	202		11.851					9
168 Butyl benzyl phthalate	149		12.294					9
173 Bis(2-ethylhexyl) phthalate	149		12.813					
175 3,3'-Dichlorobenzidine	252		12.877					
177 Benzo[a]anthracene	228		12.962					9
178 Chrysene	228		13.005					9
180 Di-n-octyl phthalate	149		13.550					
182 Benzo[b]fluoranthene	252		14.373					
183 Benzo[k]fluoranthene	252		14.410					
184 Benzo[a]pyrene	252		14.923					9
188 Indeno[1,2,3-cd]pyrene	276		17.289					
189 Dibenz(a,h)anthracene	278		17.300					
190 Benzo[g,h,i]perylene	276		18.000					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 23-Apr-2013 08:13:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422016.D

Injection Date:	22-Apr-2013 15:41:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0022M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0020M-0001-SO | Lab Sample ID: 240-22663-35

Matrix: Solid | Lab File ID: 30421022.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:50

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.99(g) | Date Analyzed: 04/21/2013 20:04

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	33	17	17
208-96-8	Acenaphthylene	17	U	33	17	17
120-12-7	Anthracene	17	U	33	17	17
56-55-3	Benzo[a]anthracene	17	U	33	17	17
50-32-8	Benzo[a]pyrene	17	U	33	17	17
205-99-2	Benzo[b]fluoranthene	17	U	33	17	17
191-24-2	Benzo[g,h,i]perylene	17	U	33	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	17	U	33	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	500	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	500	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	500	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	110	J D	350	140	95
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	65
85-68-7	Butyl benzyl phthalate	140	U	350	140	50
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	750	140	85
59-50-7	4-Chloro-3-methylphenol	140	U	750	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	65
218-01-9	Chrysene	17	U	33	17	5.5
53-70-3	Dibenz(a,h)anthracene	17	U	33	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	55
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	400	U	500	400	90
120-83-2	2,4-Dichlorophenol	140	U	750	140	100
84-66-2	Diethyl phthalate	140	U	350	140	80
105-67-9	2,4-Dimethylphenol	400	U	750	400	100
131-11-3	Dimethyl phthalate	140	U	350	140	85
84-74-2	Di-n-butyl phthalate	140	U	350	140	75

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0020M-0001-SO | Lab Sample ID: 240-22663-35

Matrix: Solid | Lab File ID: 30421022.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:50

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.99(g) | Date Analyzed: 04/21/2013 20:04

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U	750	400	400
51-28-5	2,4-Dinitrophenol	400	U	1700	400	400
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	350	140	140
206-44-0	Fluoranthene	23	J D	33	17	17
86-73-7	Fluorene	17	U	33	17	17
118-74-1	Hexachlorobenzene	17	U	33	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	45
193-39-5	Indeno[1,2,3-cd]pyrene	17	U	33	17	17
78-59-1	Isophorone	140	U	250	140	65
91-57-6	2-Methylnaphthalene	17	U	33	17	17
95-48-7	2-Methylphenol	400	U	1000	400	400
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	100
91-20-3	Naphthalene	17	U	33	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	400	U	1000	400	80
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	500	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	400	U	1700	400	400
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	400	U	750	400	400
85-01-8	Phenanthrene	17	U	33	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	17	U	33	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	750	140	130
88-06-2	2,4,6-Trichlorophenol	400	U	750	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0020M-0001-SO | Lab Sample ID: 240-22663-35

Matrix: Solid | Lab File ID: 30421022.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:50

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.99(g) | Date Analyzed: 04/21/2013 20:04

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	66		45-105
367-12-4	2-Fluorophenol (Surr)	67		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	57		35-100
4165-62-2	Phenol-d5 (Surr)	69		40-100
1718-51-0	Terphenyl-d14 (Surr)	59		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	63		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421022.D
Lims ID: 240-22663-C-35-C Client ID: 068SB-0020M-0001-SO
Inject. Date: 21-Apr-2013 20:04:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019112-022
Misc. Info.: 240-22663-C-35-C =240-22663-C-35-C
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 82876 Lims Sample ID: 22
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:55:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.735	6.734	0.001	95	183924	4.00	
* 2 Naphthalene-d8	136	7.846	7.845	0.001	99	764714	4.00	
* 3 Acenaphthene-d10	164	9.347	9.352	-0.005	79	450676	4.00	
* 4 Phenanthrene-d10	188	10.624	10.623	0.001	98	804207	4.00	
* 5 Chrysene-d12	240	12.996	13.001	-0.005	80	932813	4.00	
* 6 Perylene-d12	264	15.052	15.057	-0.005	82	848809	4.00	
$ 7 2-Fluorophenol	112	5.591	5.532	0.059	92	150461	2.01	
$ 8 Phenol-d5	99	6.366	6.360	0.006	89	206636	2.06	
$ 9 Nitrobenzene-d5	82	7.205	7.204	0.001	86	128252	1.14	
$ 10 2-Fluorobiphenyl (Surr)	172	8.738	8.738	0.0	99	177061	1.32	
$ 11 2,4,6-Tribromophenol	330	10.020	10.020	0.0	80	27741	1.90	
$ 12 Terphenyl-d14	244	11.938	11.937	0.001	98	197115	1.18	
43 Phenol	94		6.371					9
69 Bis(2-chloroethyl)ether	93		6.462					
46 2-Chlorophenol	128		6.553					
47 1,3-Dichlorobenzene	146		6.691					9
48 1,4-Dichlorobenzene	146		6.750					9
49 Benzyl alcohol	108		6.825					9
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					9
53 2,2'-oxybis[1-chloropropane]	45		6.937					
21 3 & 4 Methylphenol	108		7.028					
57 N-Nitrosodi-n-propylamine	70		7.044					9
61 Hexachloroethane	117		7.194					9
62 Nitrobenzene	77		7.220					
64 Isophorone	82		7.418					9
65 2,4-Dimethylphenol	107		7.493					
66 2-Nitrophenol	139		7.498					9
71 Benzoic acid	122		7.546					
70 Bis(2-chloroethoxy)methane	93		7.568					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.701					
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128		7.861					9
76 4-Chloroaniline	127		7.872					9
79 Hexachlorobutadiene	225		7.958					
86 4-Chloro-3-methylphenol	107		8.262					
87 2-Methylnaphthalene	142		8.449					9
89 Hexachlorocyclopentadiene	237		8.588					
92 2,4,6-Trichlorophenol	196		8.673					
93 2,4,5-Trichlorophenol	196		8.711					
100 2-Chloronaphthalene	162		8.871					
102 2-Nitroaniline	65		8.924					
105 Dimethyl phthalate	163		9.047					
107 2,6-Dinitrotoluene	165		9.111					
109 Acenaphthylene	152		9.234					9
110 3-Nitroaniline	138		9.272					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109		9.373					9
112 Acenaphthene	153		9.379					9
114 2,4-Dinitrotoluene	165		9.464					
116 Dibenzofuran	168		9.523					9
121 Diethyl phthalate	149		9.640					9
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					
126 Fluorene	166		9.817					9
128 4,6-Dinitro-2-methylphenol	198		9.822					
131 N-Nitrosodiphenylamine	169		9.875					9
139 4-Bromophenyl phenyl ether	248		10.201					
141 Hexachlorobenzene	284		10.303					
143 Pentachlorophenol	266		10.452					
148 Phenanthrene	178		10.645					
149 Anthracene	178		10.687					9
151 Carbazole	167		10.800					9
154 Di-n-butyl phthalate	149		11.013					2
159 Fluoranthene	202	11.665	11.665	0.0	62	8262	0.0679	
161 Pyrene	202		11.873					
168 Butyl benzyl phthalate	149		12.311					
173 Bis(2-ethylhexyl) phthalate	149	12.830	12.830	0.0	93	41594	0.3310	
175 3,3'-Dichlorobenzidine	252		12.899					
177 Benzo[a]anthracene	228		12.985					
178 Chrysene	228		13.027					
180 Di-n-octyl phthalate	149		13.577					
182 Benzo[b]fluoranthene	252		14.406					9
183 Benzo[k]fluoranthene	252		14.448					9
184 Benzo[a]pyrene	252		14.966					
189 Dibenz(a,h)anthracene	278		17.354					
188 Indeno[1,2,3-cd]pyrene	276		17.354					9
190 Benzo[g,h,i]perylene	276		18.070					9

QC Flag Legend

Processing Flags
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

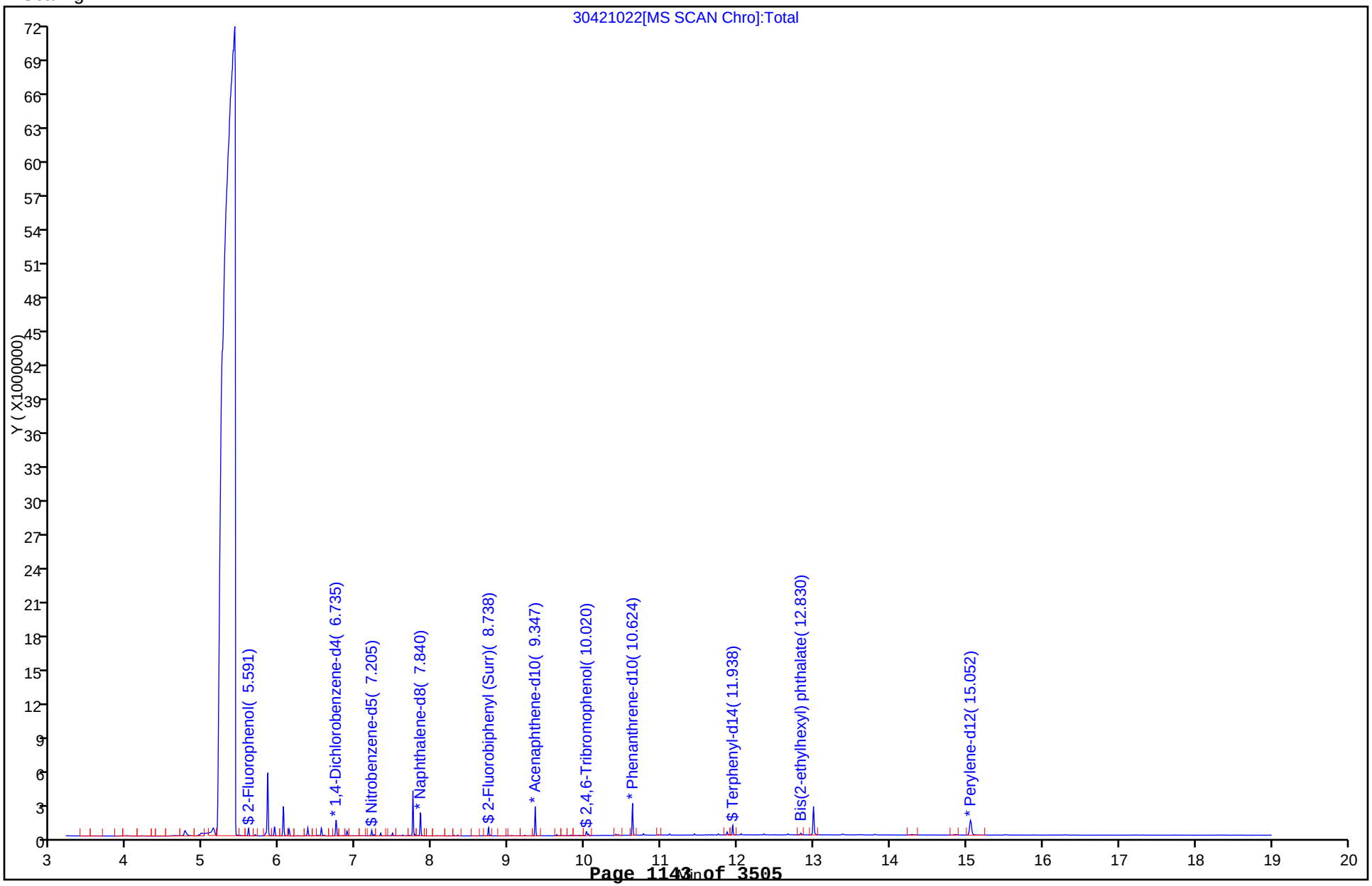
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421022.D

Injection Date:	21-Apr-2013 20:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0020M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	22
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



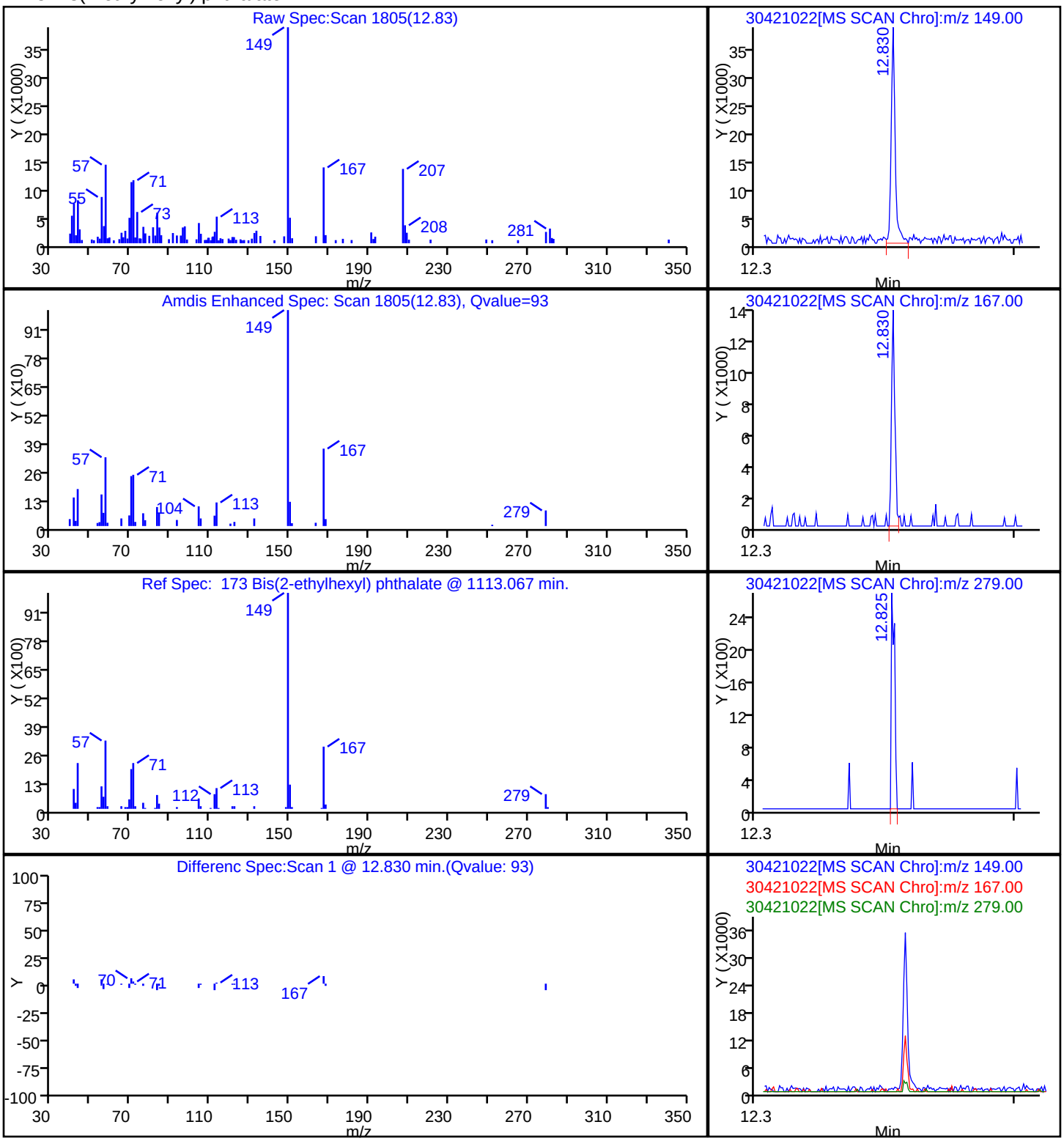
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421022.D

Injection Date:	21-Apr-2013 20:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0020M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	22
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



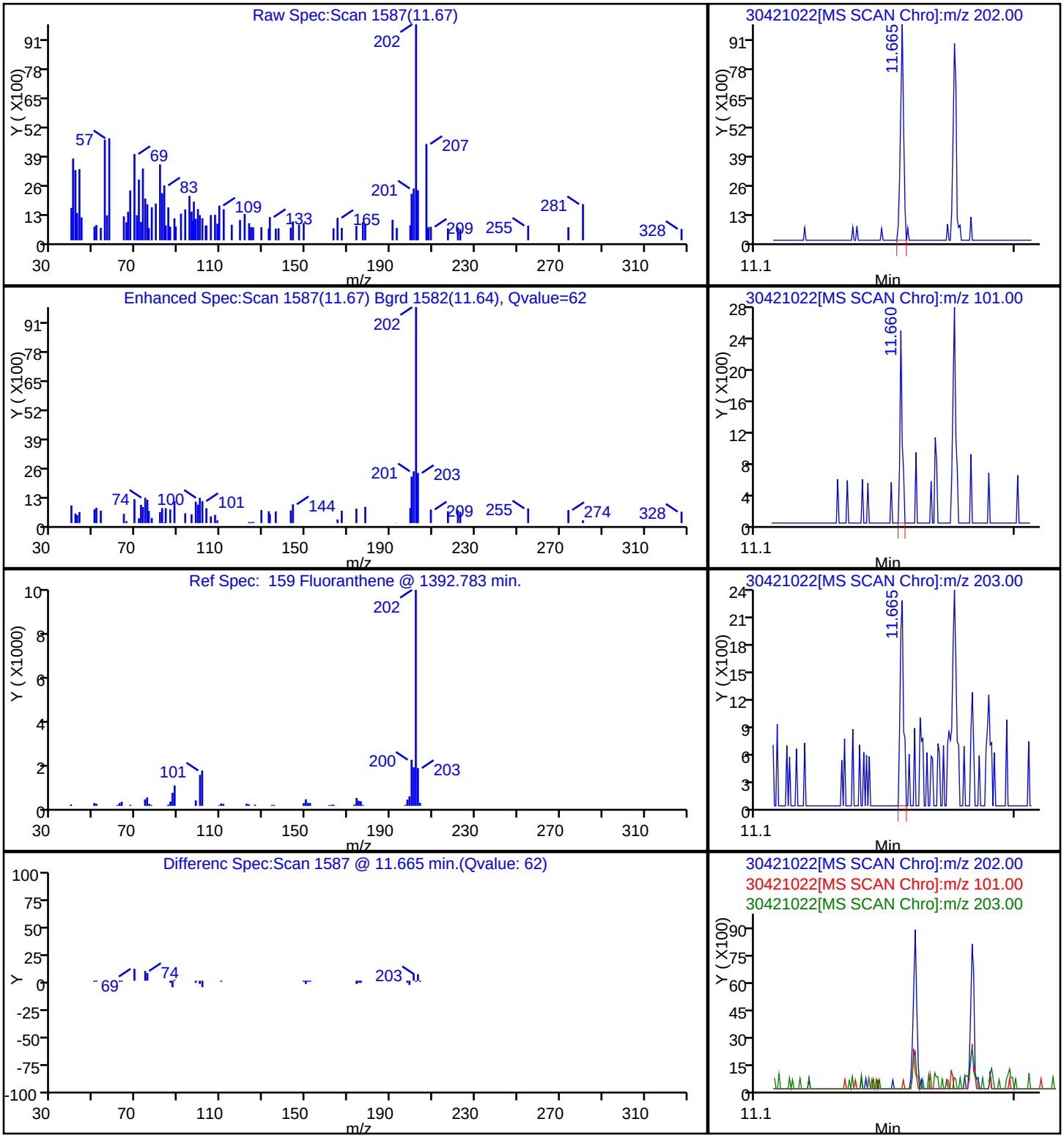
Report Date: 22-Apr-2013 08:55:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421022.D

Injection Date:	21-Apr-2013 20:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0020M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	22
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0023M-0001-SO | Lab Sample ID: 240-22663-36

Matrix: Solid | Lab File ID: 30421016.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:40

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.14(g) | Date Analyzed: 04/21/2013 17:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	16	U	33	16	16
208-96-8	Acenaphthylene	19	J D	33	16	16
120-12-7	Anthracene	16	U	33	16	16
56-55-3	Benzo[a]anthracene	80	D	33	16	16
50-32-8	Benzo[a]pyrene	70	D	33	16	16
205-99-2	Benzo[b]fluoranthene	140	D M	33	16	16
191-24-2	Benzo[g,h,i]perylene	71	D	33	16	16
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	49	D M	33	16	16
100-51-6	Benzyl alcohol	130	U	1600	130	100
111-91-1	Bis(2-chloroethoxy)methane	130	U	500	130	110
111-44-4	Bis(2-chloroethyl)ether	16	U	500	16	10
108-60-1	bis (2-chloroisopropyl) ether	130	U	500	130	47
117-81-7	Bis(2-ethylhexyl) phthalate	130	U	350	130	95
101-55-3	4-Bromophenyl phenyl ether	130	U	250	130	65
85-68-7	Butyl benzyl phthalate	130	U	350	130	50
86-74-8	Carbazole	130	U	250	130	130
106-47-8	4-Chloroaniline	130	U	750	130	85
59-50-7	4-Chloro-3-methylphenol	130	U	750	130	100
91-58-7	2-Chloronaphthalene	16	U	250	16	16
95-57-8	2-Chlorophenol	130	U	250	130	130
7005-72-3	4-Chlorophenyl phenyl ether	130	U	250	130	65
218-01-9	Chrysene	110	D	33	16	5.5
53-70-3	Dibenz(a,h)anthracene	16	U	33	16	16
132-64-9	Dibenzofuran	16	U	250	16	16
95-50-1	1,2-Dichlorobenzene	130	U	250	130	48
541-73-1	1,3-Dichlorobenzene	130	U	250	130	55
106-46-7	1,4-Dichlorobenzene	130	U	250	130	100
91-94-1	3,3'-Dichlorobenzidine	400	U	500	400	90
120-83-2	2,4-Dichlorophenol	130	U	750	130	100
84-66-2	Diethyl phthalate	130	U	350	130	80
105-67-9	2,4-Dimethylphenol	400	U	750	400	100
131-11-3	Dimethyl phthalate	130	U	350	130	85
84-74-2	Di-n-butyl phthalate	130	U	350	130	75

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0023M-0001-SO | Lab Sample ID: 240-22663-36

Matrix: Solid | Lab File ID: 30421016.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:40

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.14(g) | Date Analyzed: 04/21/2013 17:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U	750	400	400
51-28-5	2,4-Dinitrophenol	400	U	1600	400	400
121-14-2	2,4-Dinitrotoluene	130	U	1000	130	130
606-20-2	2,6-Dinitrotoluene	130	U	1000	130	100
117-84-0	Di-n-octyl phthalate	130	U	350	130	130
206-44-0	Fluoranthene	140	D	33	16	16
86-73-7	Fluorene	16	U	33	16	16
118-74-1	Hexachlorobenzene	16	U	33	16	10
87-68-3	Hexachlorobutadiene	130	U	250	130	130
77-47-4	Hexachlorocyclopentadiene	130	U	1600	130	130
67-72-1	Hexachloroethane	130	U	250	130	45
193-39-5	Indeno[1,2,3-cd]pyrene	61	D	33	16	16
78-59-1	Isophorone	130	U	250	130	65
91-57-6	2-Methylnaphthalene	16	U	33	16	16
95-48-7	2-Methylphenol	400	U	1000	400	400
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	100
91-20-3	Naphthalene	16	U	33	16	16
88-74-4	2-Nitroaniline	130	U	1000	130	45
99-09-2	3-Nitroaniline	400	U	1000	400	80
100-01-6	4-Nitroaniline	130	U	1000	130	130
98-95-3	Nitrobenzene	16	U	500	16	11
88-75-5	2-Nitrophenol	130	U	250	130	130
100-02-7	4-Nitrophenol	400	U	1600	400	400
621-64-7	N-Nitrosodi-n-propylamine	130	U	250	130	130
86-30-6	N-Nitrosodiphenylamine	130	U	250	130	100
87-86-5	Pentachlorophenol	400	U	750	400	400
85-01-8	Phenanthrene	55	D	33	16	16
108-95-2	Phenol	130	U	250	130	130
129-00-0	Pyrene	120	D	33	16	16
120-82-1	1,2,4-Trichlorobenzene	130	U	250	130	130
95-95-4	2,4,5-Trichlorophenol	130	U	750	130	120
88-06-2	2,4,6-Trichlorophenol	400	U	750	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0023M-0001-SO | Lab Sample ID: 240-22663-36

Matrix: Solid | Lab File ID: 30421016.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:40

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.14(g) | Date Analyzed: 04/21/2013 17:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	60		45-105
367-12-4	2-Fluorophenol (Surr)	58		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	54		35-100
4165-62-2	Phenol-d5 (Surr)	62		40-100
1718-51-0	Terphenyl-d14 (Surr)	61		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	75		35-125

Report Date: 22-Apr-2013 08:55:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421016.D
Lims ID: 240-22663-C-36-C Client ID: 068SB-0023M-0001-SO
Inject. Date: 21-Apr-2013 17:27:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019112-016
Misc. Info.: 240-22663-C-36-C =240-22663-C-36-C
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 82876 Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:46:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.735	6.734	0.001	95	180394	4.00	
* 2 Naphthalene-d8	136	7.841	7.845	-0.004	99	735691	4.00	
* 3 Acenaphthene-d10	164	9.348	9.352	-0.004	75	445303	4.00	
* 4 Phenanthrene-d10	188	10.624	10.623	0.001	98	774442	4.00	
* 5 Chrysene-d12	240	12.996	13.001	-0.005	80	955777	4.00	
* 6 Perylene-d12	264	15.053	15.057	-0.004	82	915456	4.00	
$ 7 2-Fluorophenol	112	5.587	5.532	0.055	93	127856	1.74	
$ 8 Phenol-d5	99	6.367	6.360	0.007	94	184110	1.87	
$ 9 Nitrobenzene-d5	82	7.205	7.204	0.001	86	116315	1.07	
$ 10 2-Fluorobiphenyl (Surr)	172	8.739	8.738	0.001	98	158456	1.20	
$ 11 2,4,6-Tribromophenol	330	10.021	10.020	0.001	83	32514	2.26	
$ 12 Terphenyl-d14	244	11.933	11.937	-0.004	97	210233	1.23	
43 Phenol	94		6.371					9
69 Bis(2-chloroethyl)ether	93		6.462					9
46 2-Chlorophenol	128		6.553					
47 1,3-Dichlorobenzene	146		6.691					9
48 1,4-Dichlorobenzene	146		6.750					9
49 Benzyl alcohol	108		6.825					9
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					9
53 2,2'-oxybis[1-chloropropane]	45		6.937					9
21 3 & 4 Methylphenol	108		7.028					
57 N-Nitrosodi-n-propylamine	70		7.044					
61 Hexachloroethane	117		7.194					
62 Nitrobenzene	77		7.220					
64 Isophorone	82		7.418					9
65 2,4-Dimethylphenol	107		7.493					
66 2-Nitrophenol	139		7.498					
71 Benzoic acid	122		7.546					
70 Bis(2-chloroethoxy)methane	93		7.568					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.701					
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128		7.861					9
76 4-Chloroaniline	127		7.872					9
79 Hexachlorobutadiene	225		7.958					
86 4-Chloro-3-methylphenol	107		8.262					
87 2-Methylnaphthalene	142		8.449					9
89 Hexachlorocyclopentadiene	237		8.588					
92 2,4,6-Trichlorophenol	196		8.673					
93 2,4,5-Trichlorophenol	196		8.711					
100 2-Chloronaphthalene	162		8.871					
102 2-Nitroaniline	65		8.924					9
105 Dimethyl phthalate	163		9.047					
107 2,6-Dinitrotoluene	165		9.111					9
109 Acenaphthylene	152	9.230	9.234	-0.004	71	9637	0.0563	
110 3-Nitroaniline	138		9.272					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109		9.373					9
112 Acenaphthene	153		9.379					9
114 2,4-Dinitrotoluene	165		9.464					
116 Dibenzofuran	168		9.523					9
121 Diethyl phthalate	149		9.640					9
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					9
126 Fluorene	166		9.817					9
128 4,6-Dinitro-2-methylphenol	198		9.822					
131 N-Nitrosodiphenylamine	169		9.875					9
139 4-Bromophenyl phenyl ether	248		10.201					
141 Hexachlorobenzene	284		10.303					
143 Pentachlorophenol	266		10.452					
148 Phenanthrene	178	10.646	10.645	0.001	51	31564	0.1652	
149 Anthracene	178		10.687					
151 Carbazole	167		10.800					9
154 Di-n-butyl phthalate	149		11.013					9
159 Fluoranthene	202	11.666	11.665	0.001	95	92485	0.4316	
161 Pyrene	202	11.869	11.873	-0.004	94	74517	0.3532	
168 Butyl benzyl phthalate	149		12.311					
173 Bis(2-ethylhexyl) phthalate	149	12.831	12.830	0.001	73	16236	0.1261	
175 3,3'-Dichlorobenzidine	252		12.899					9
177 Benzo[a]anthracene	228	12.986	12.985	0.002	64	54643	0.2418	
178 Chrysene	228	13.023	13.027	-0.004	84	71718	0.3298	
180 Di-n-octyl phthalate	149		13.577					
182 Benzo[b]fluoranthene	252	14.401	14.406	-0.005	92	96806	0.4092	M
183 Benzo[k]fluoranthene	252	14.433	14.448	-0.015	96	39820	0.1484	M
184 Benzo[a]pyrene	252	14.962	14.966	-0.004	58	49231	0.2123	
189 Dibenz(a,h)anthracene	278		17.354					
188 Indeno[1,2,3-cd]pyrene	276	17.339	17.354	-0.015	89	42945	0.1825	
190 Benzo[g,h,i]perylene	276	18.055	18.070	-0.015	73	41739	0.2148	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

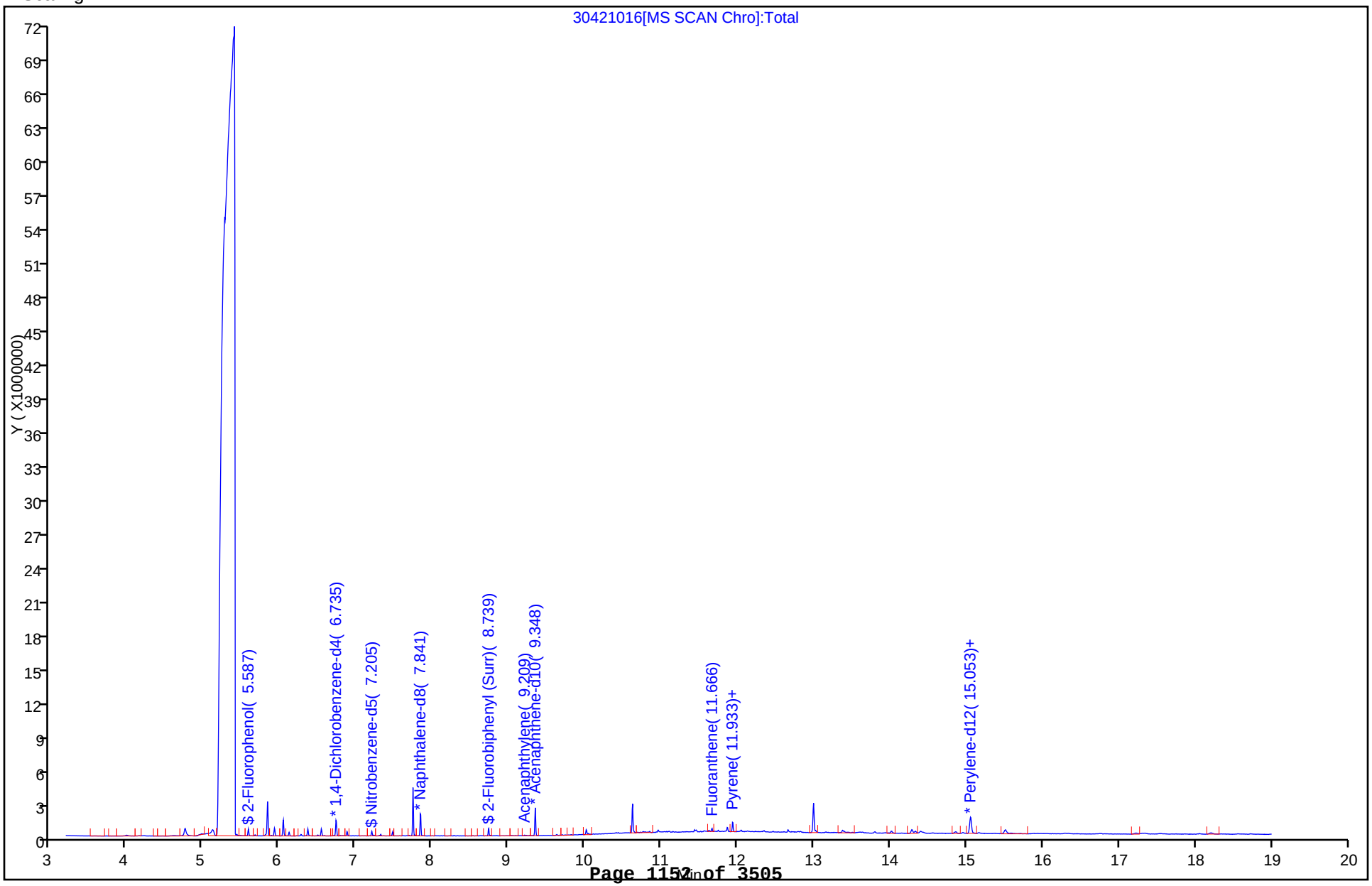
Review Flags
M - Manually Integrated

Report Date: 22-Apr-2013 08:55:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421016.D		
Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



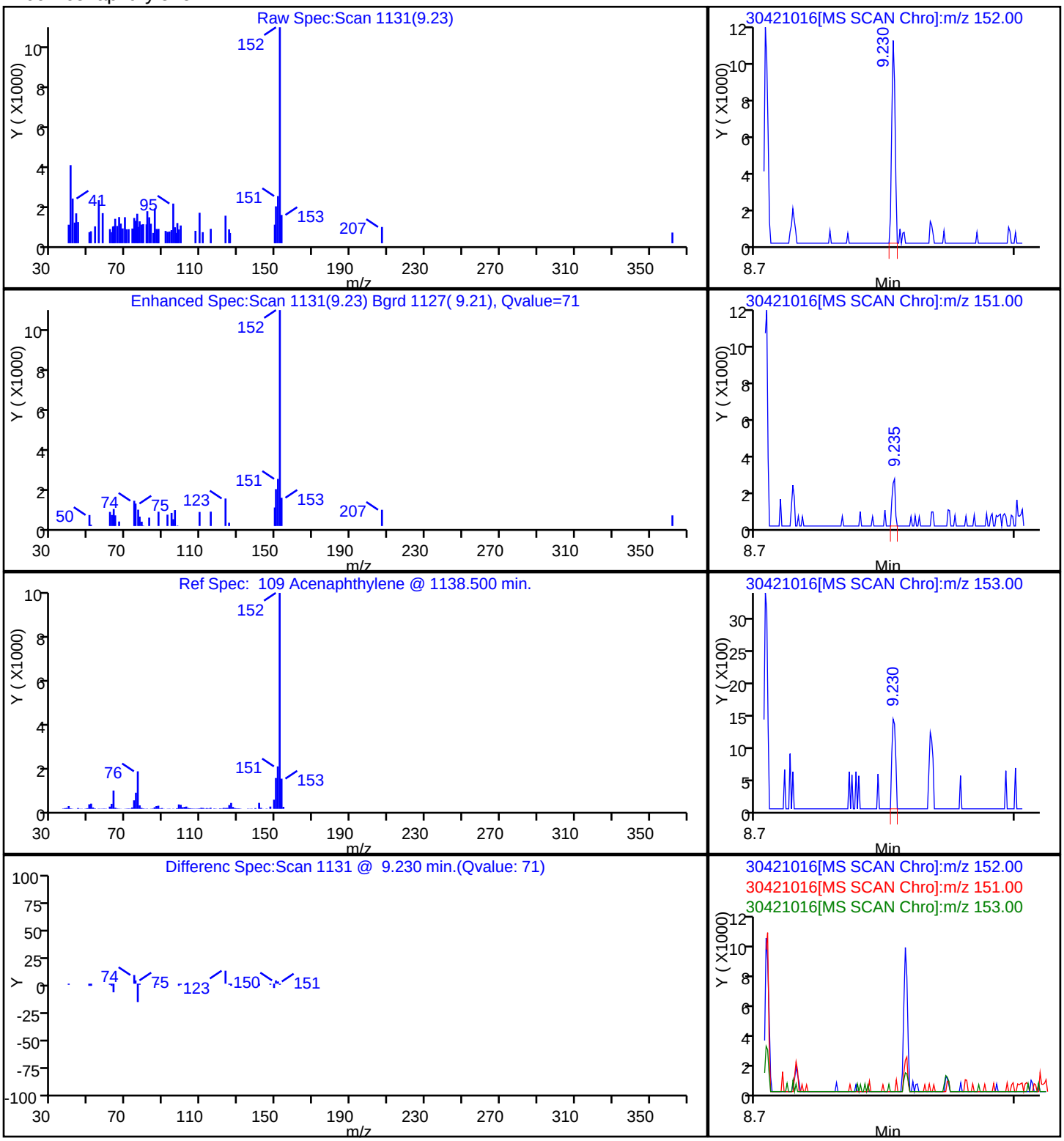
Report Date: 22-Apr-2013 08:55:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421016.D

Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

109 Acenaphthylene



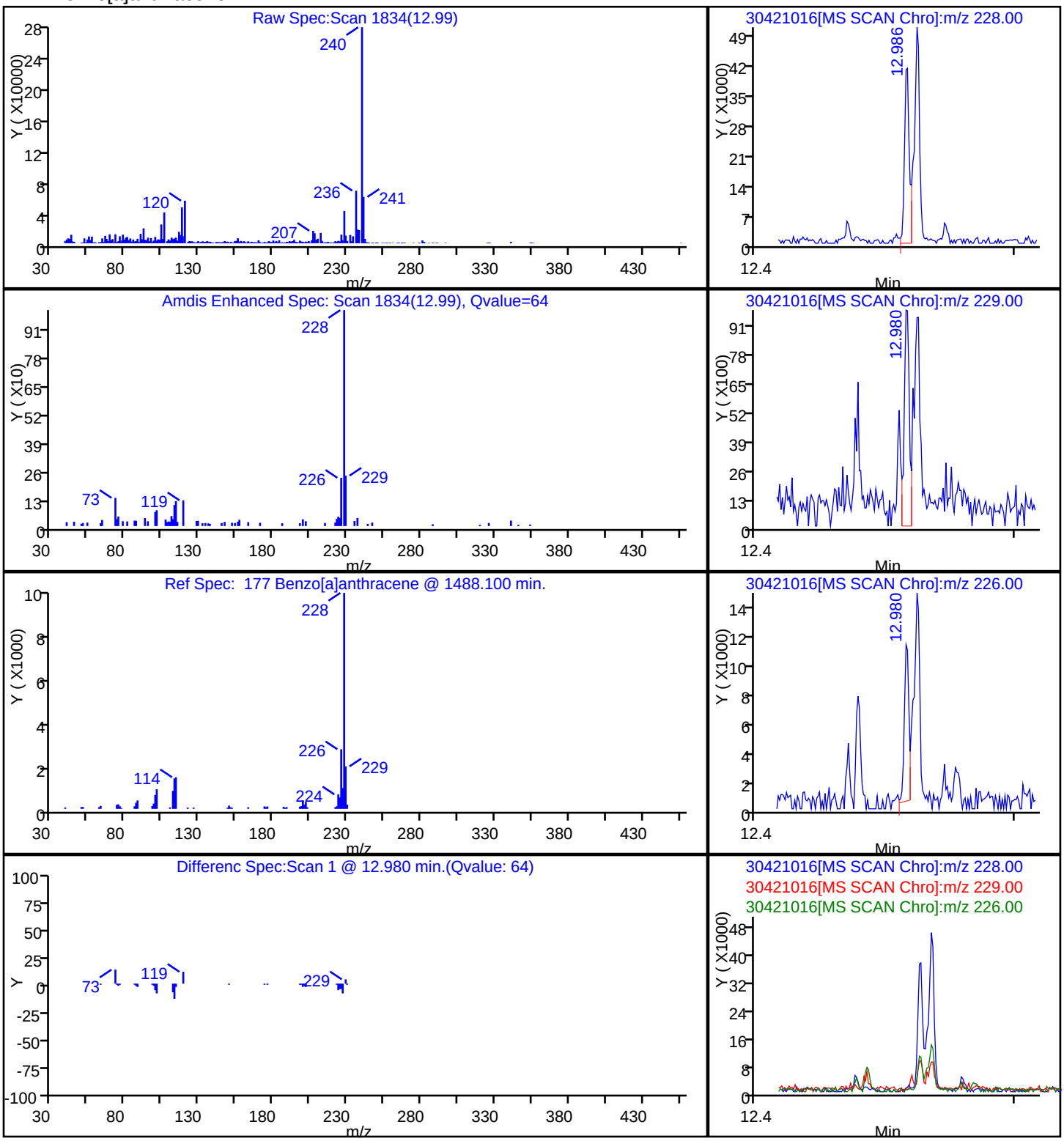
Report Date: 22-Apr-2013 08:55:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421016.D

Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



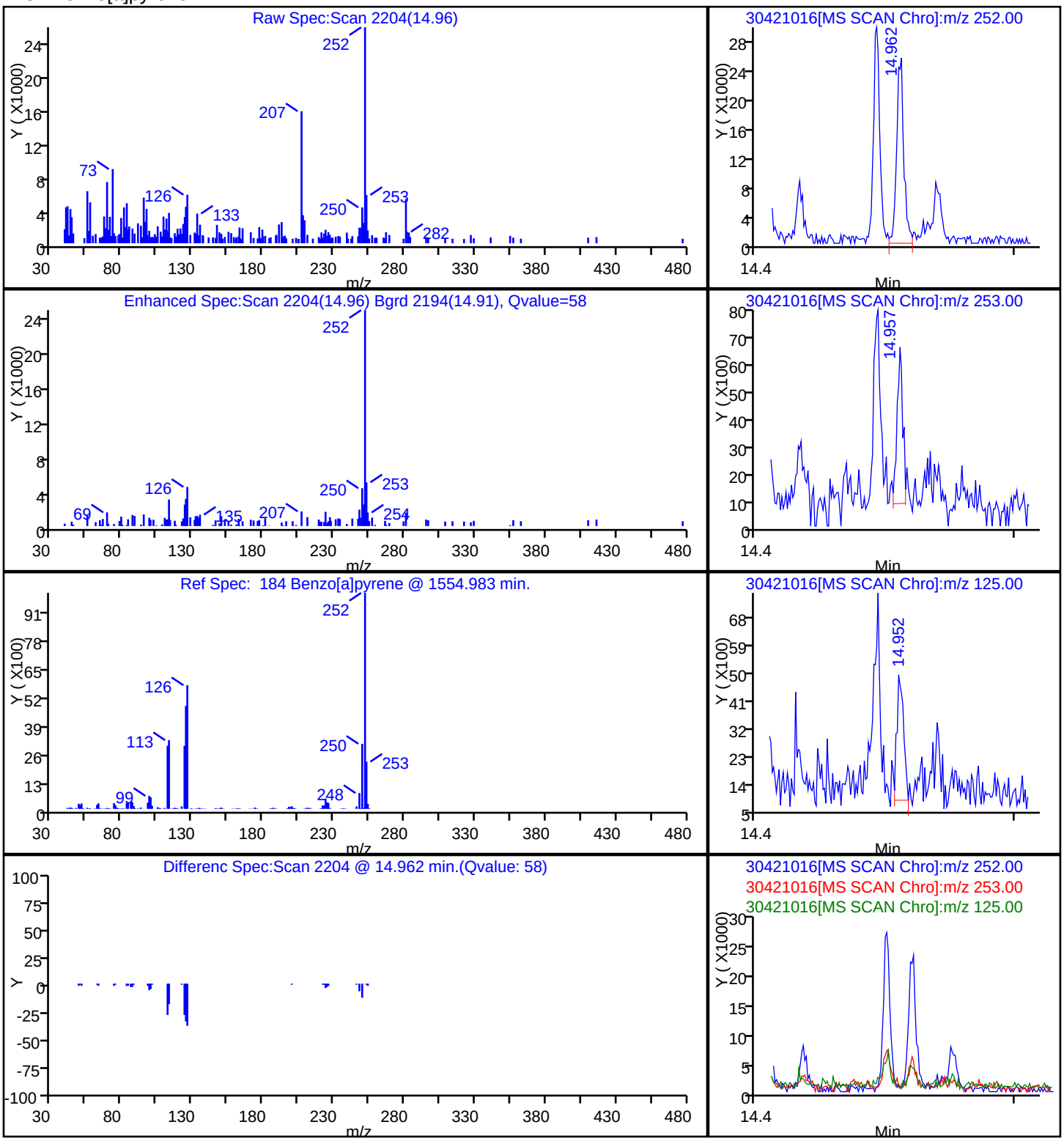
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421016.D

Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



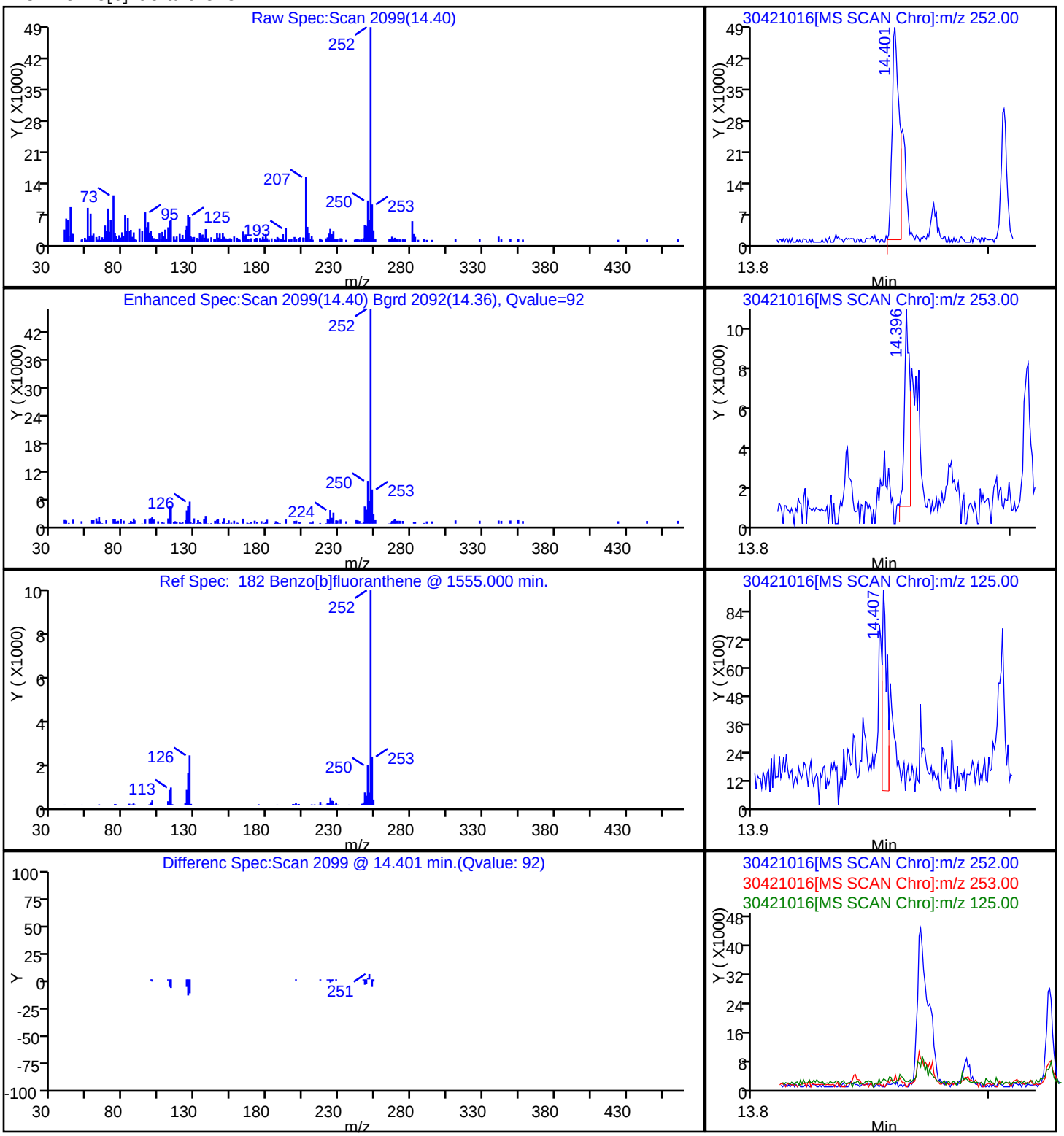
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



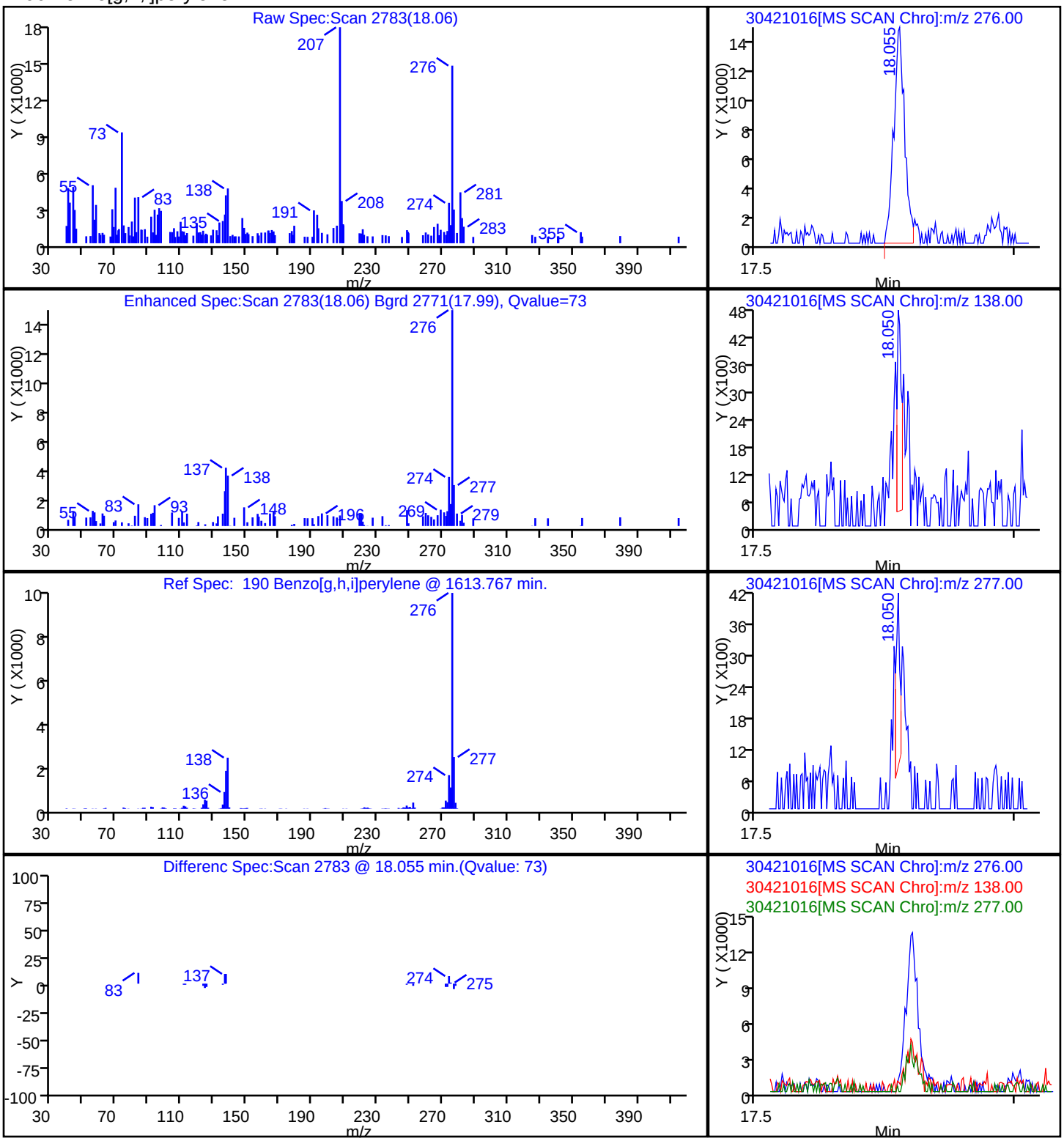
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene



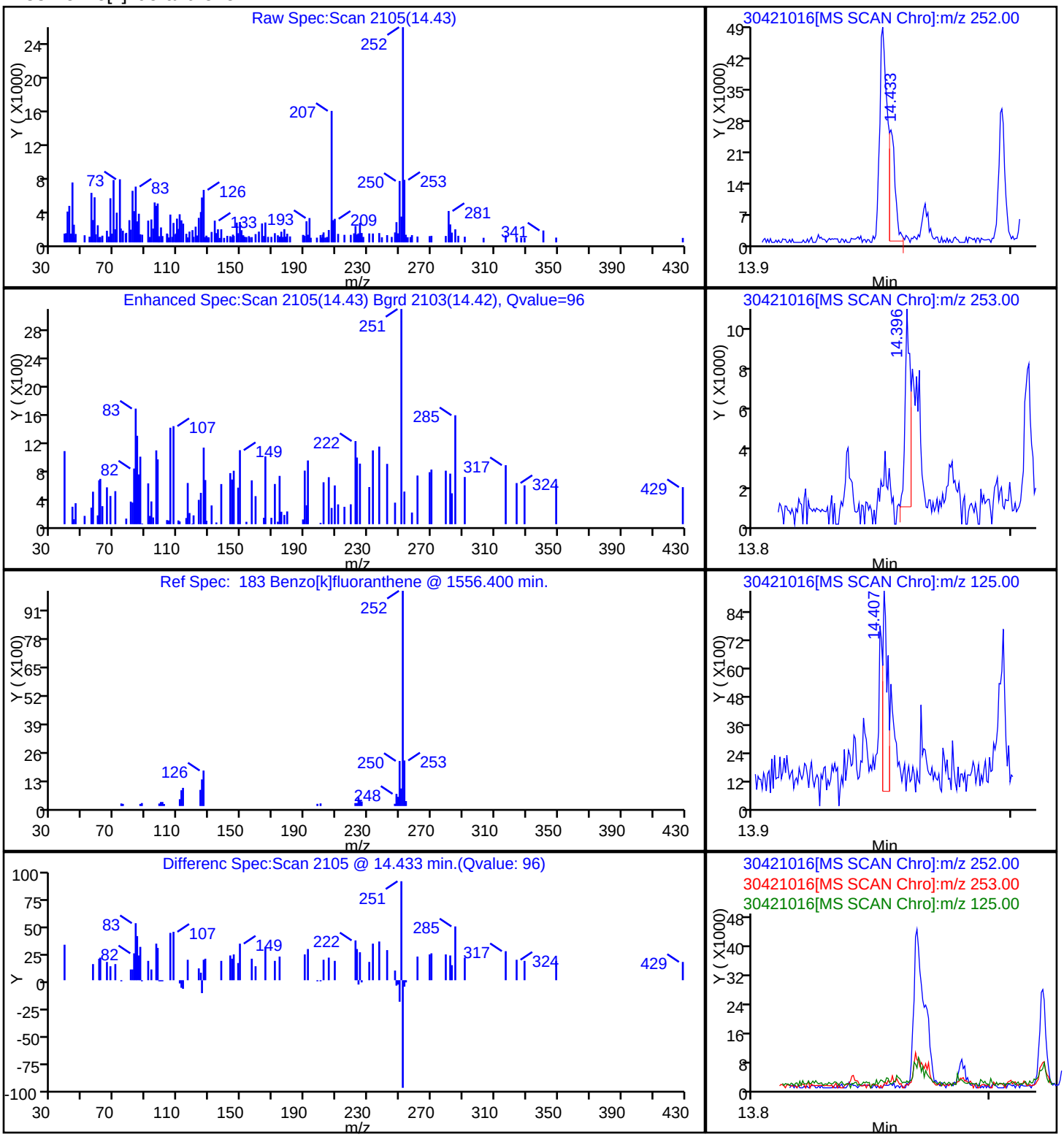
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421016.D

Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



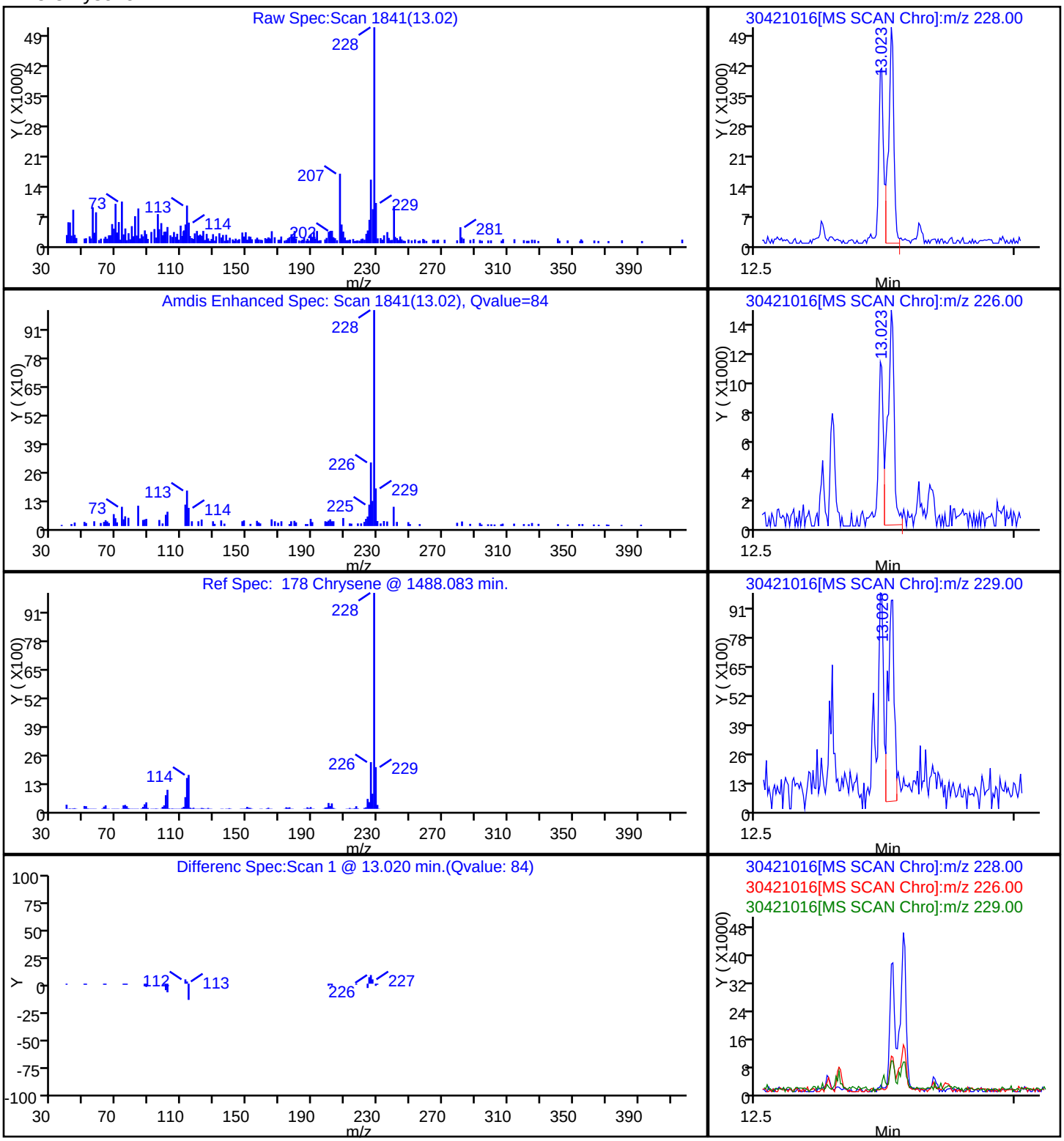
Report Date: 22-Apr-2013 08:55:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421016.D

Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



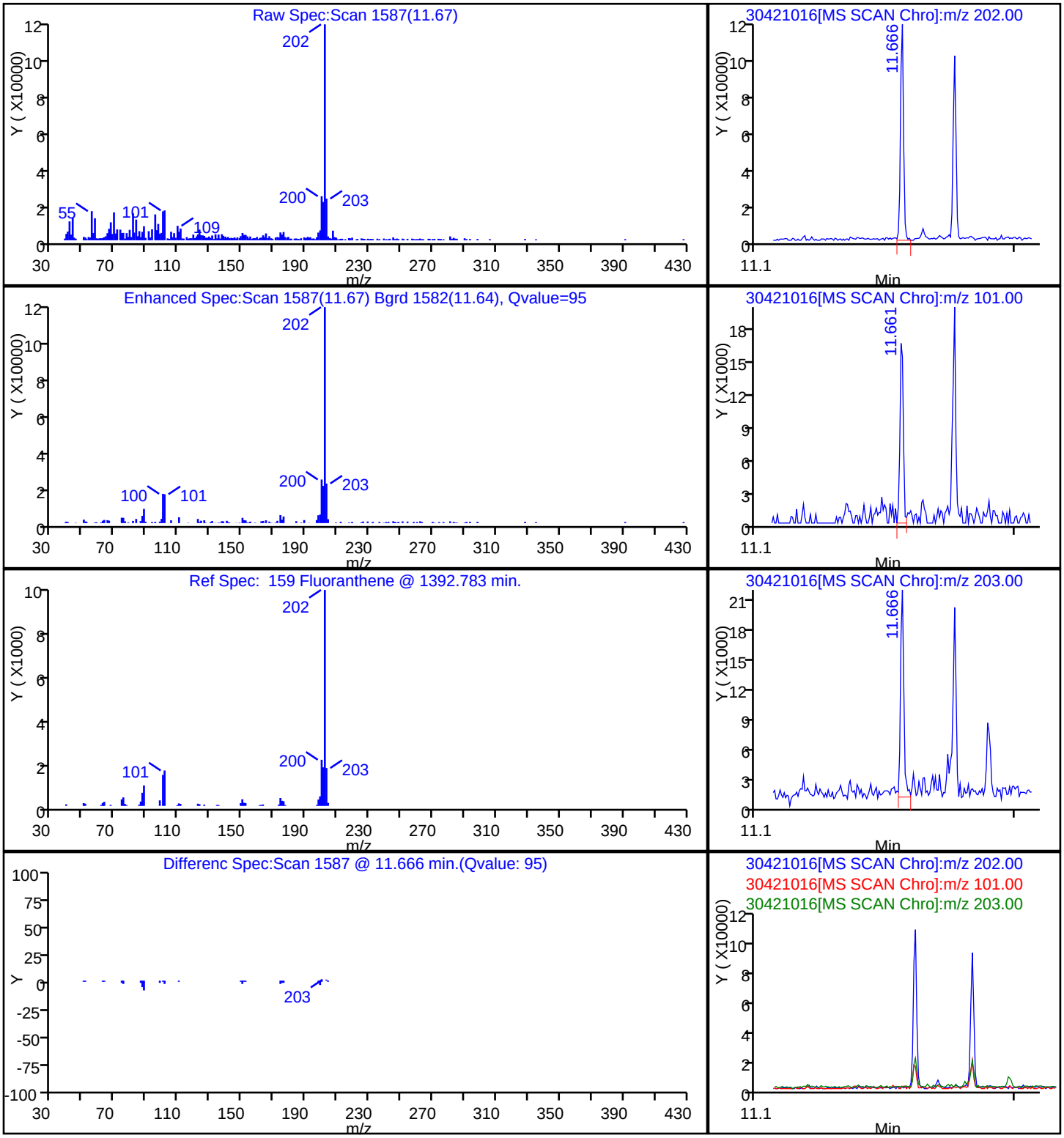
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



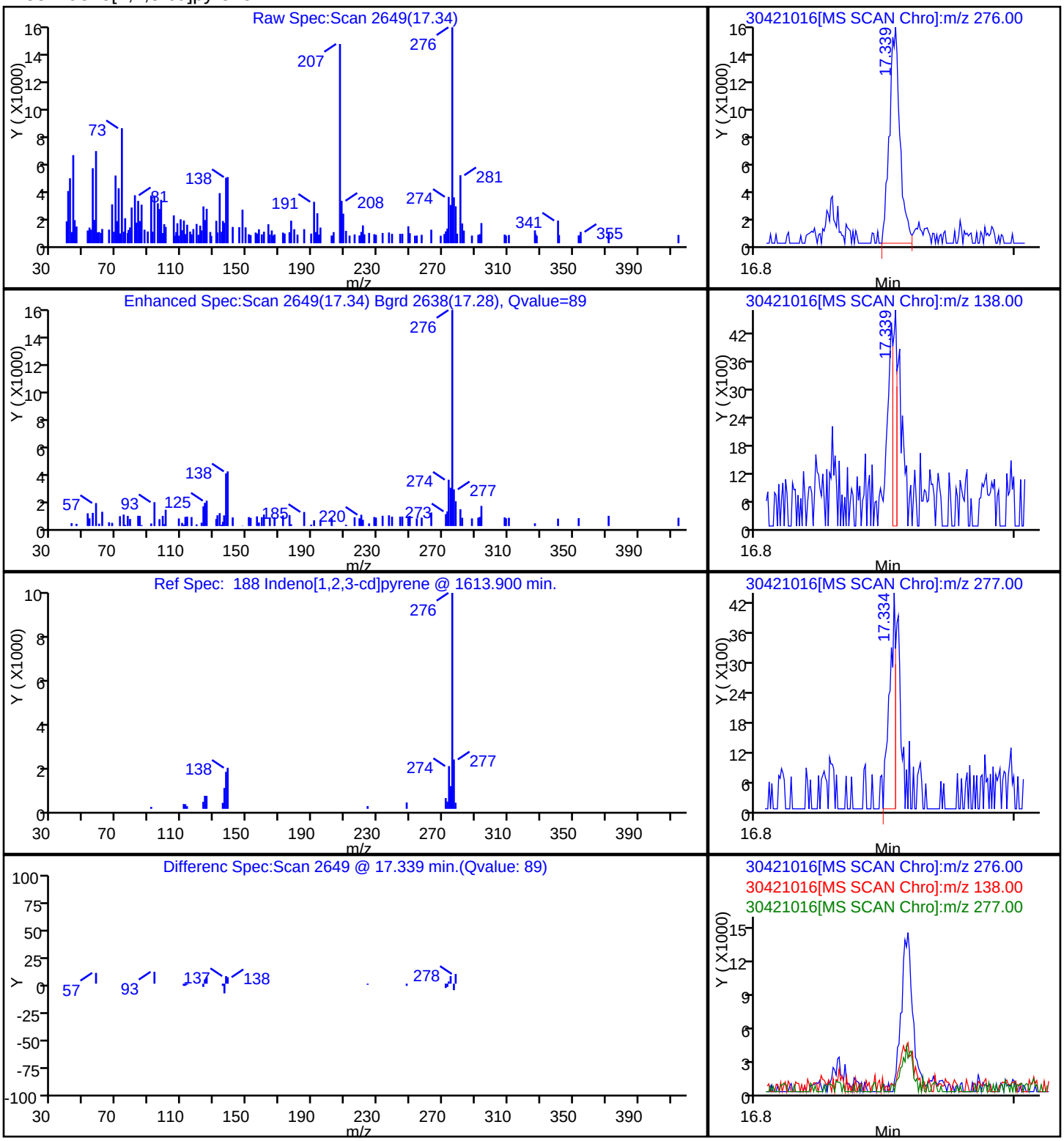
Report Date: 22-Apr-2013 08:55:49 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421016.D

Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene



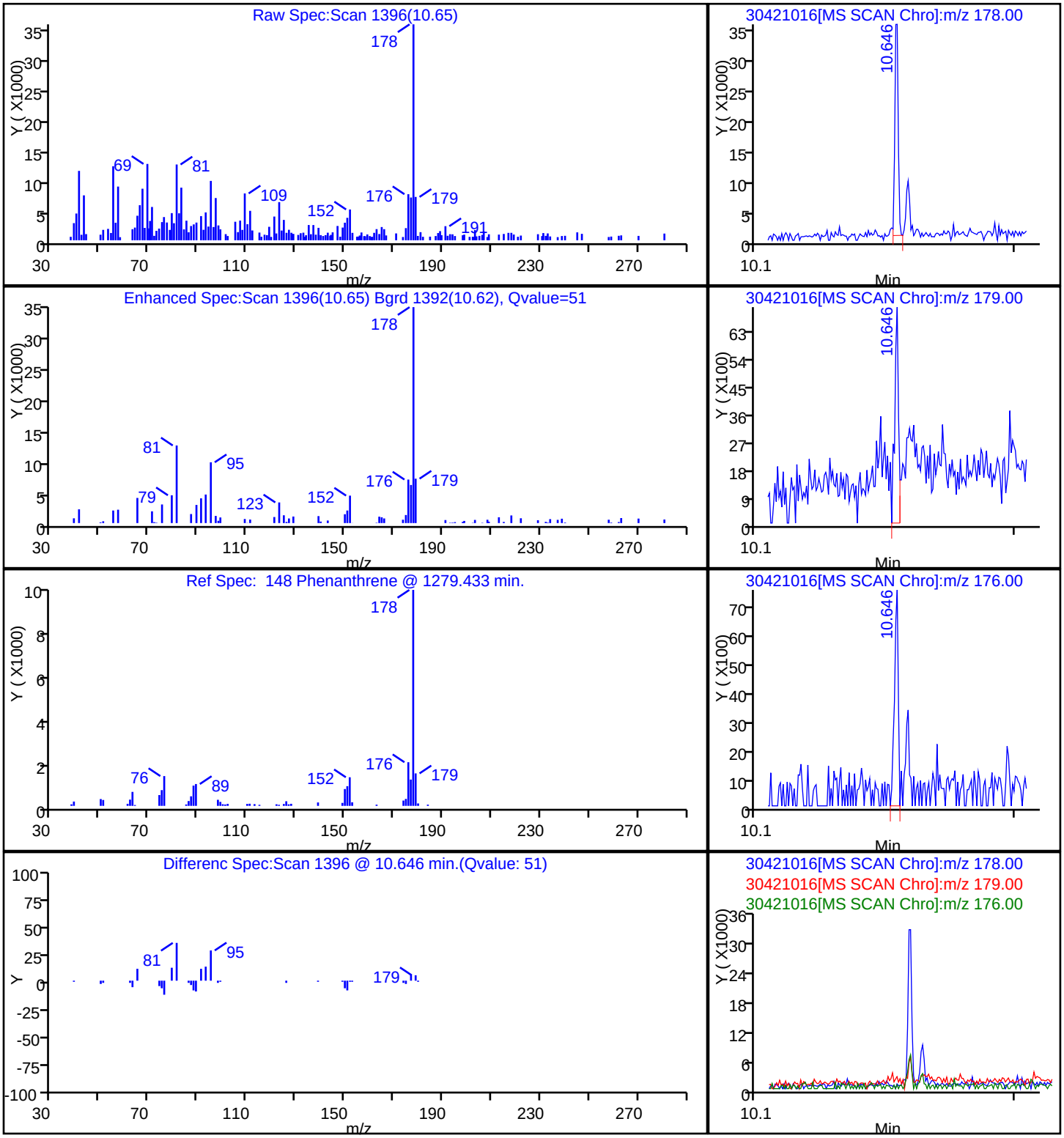
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421016.D

Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



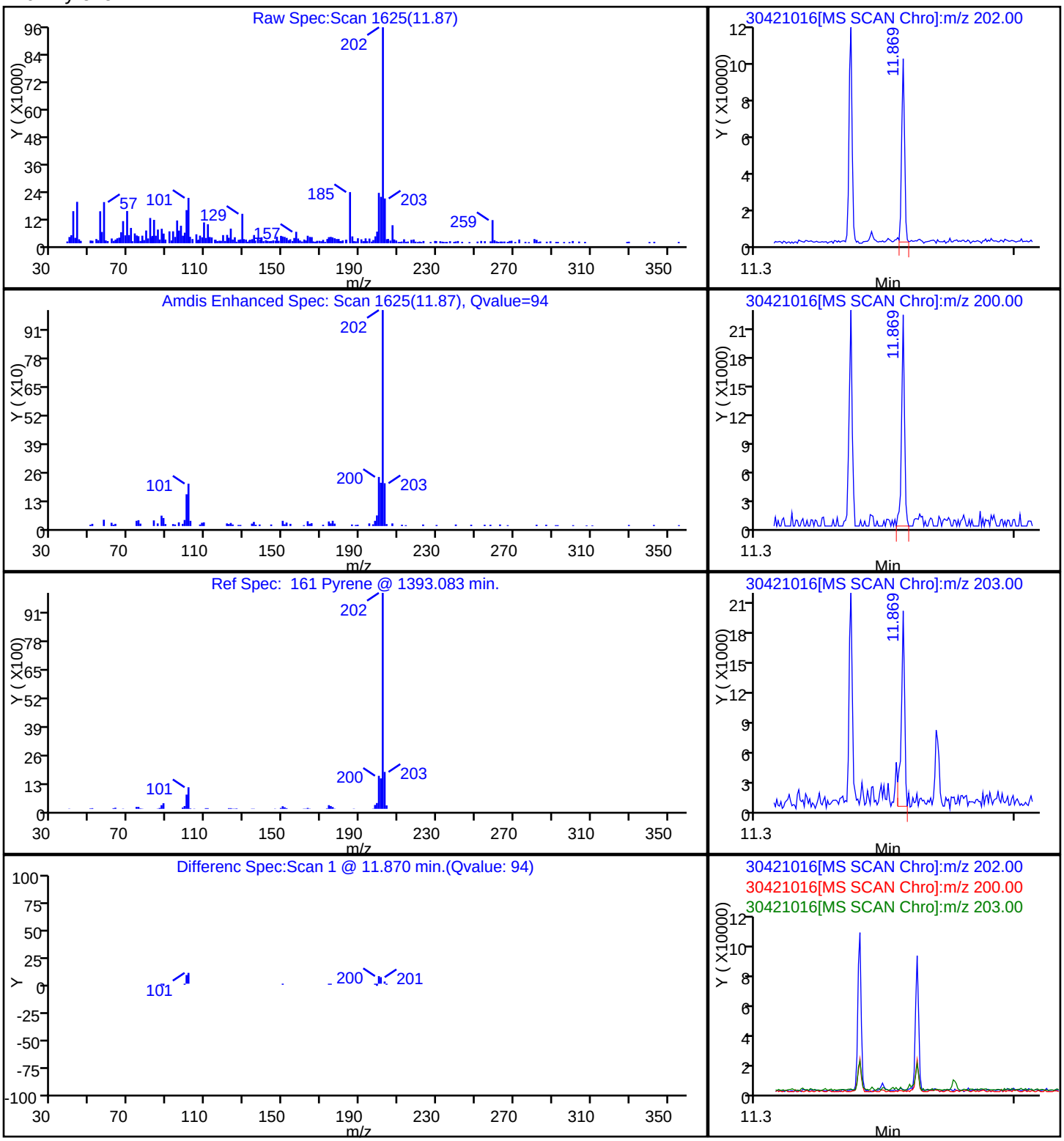
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Pyrene



Manual Integration/User Assign Peak Report

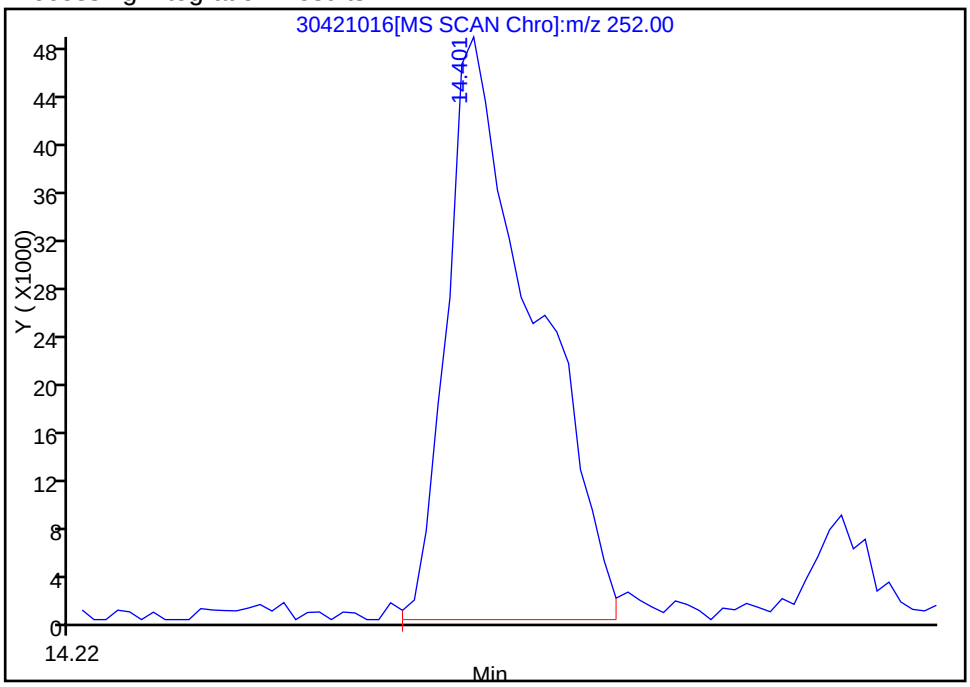
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421016.D		
Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.41

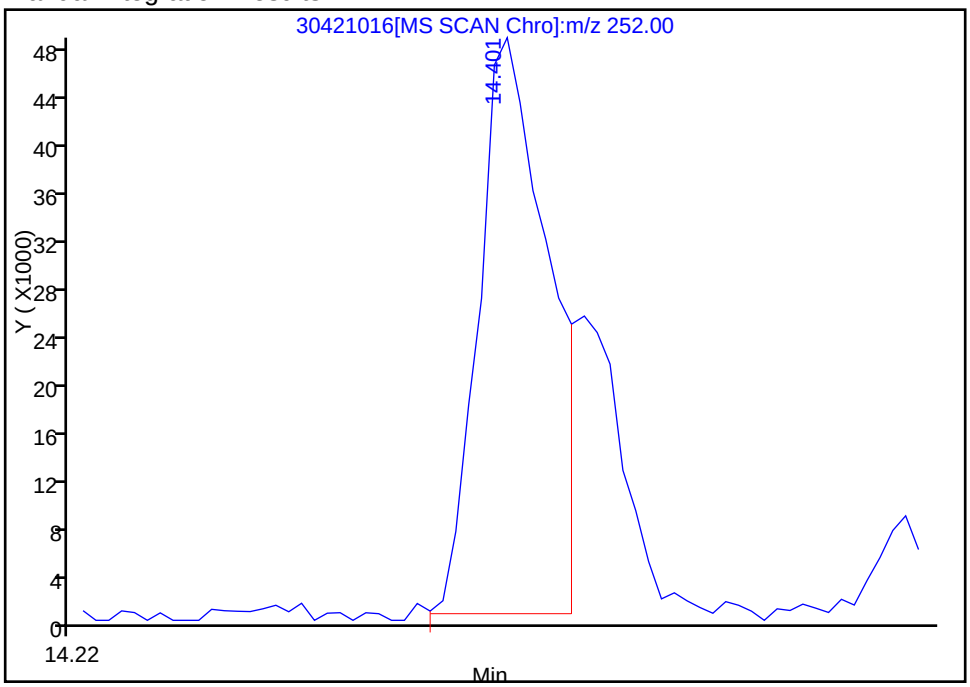
Processing Integration Results

RT: 14.40
Response: 130359
Amount: 0.550962



Manual Integration Results

RT: 14.40
Response: 96806
Amount: 0.409150



Reviewer: ulmanm, 22-Apr-2013 08:46:42
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

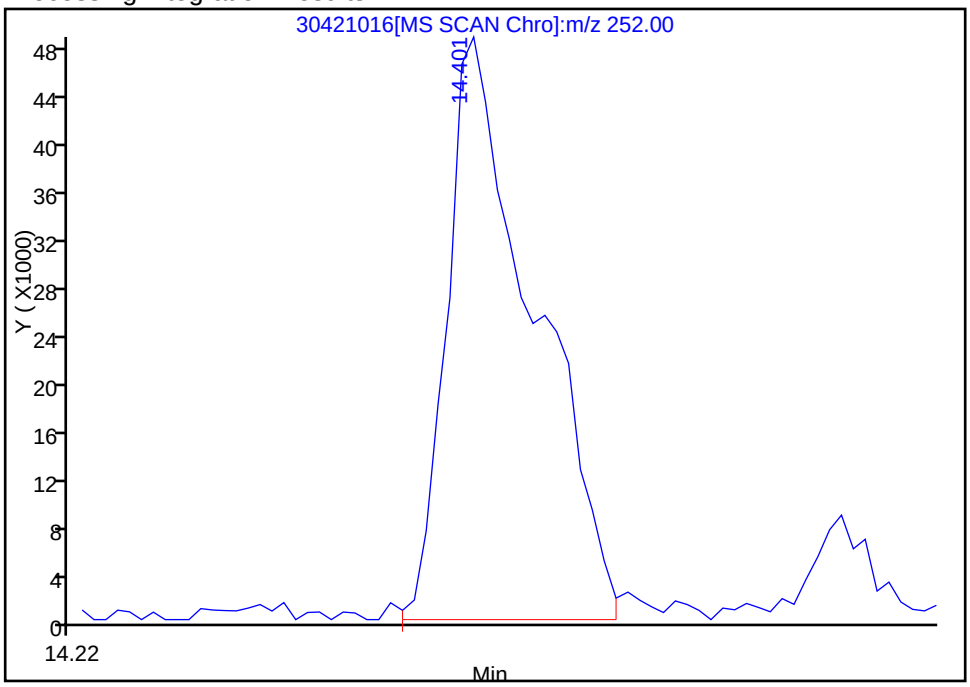
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421016.D		
Injection Date:	21-Apr-2013 17:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0023M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.45

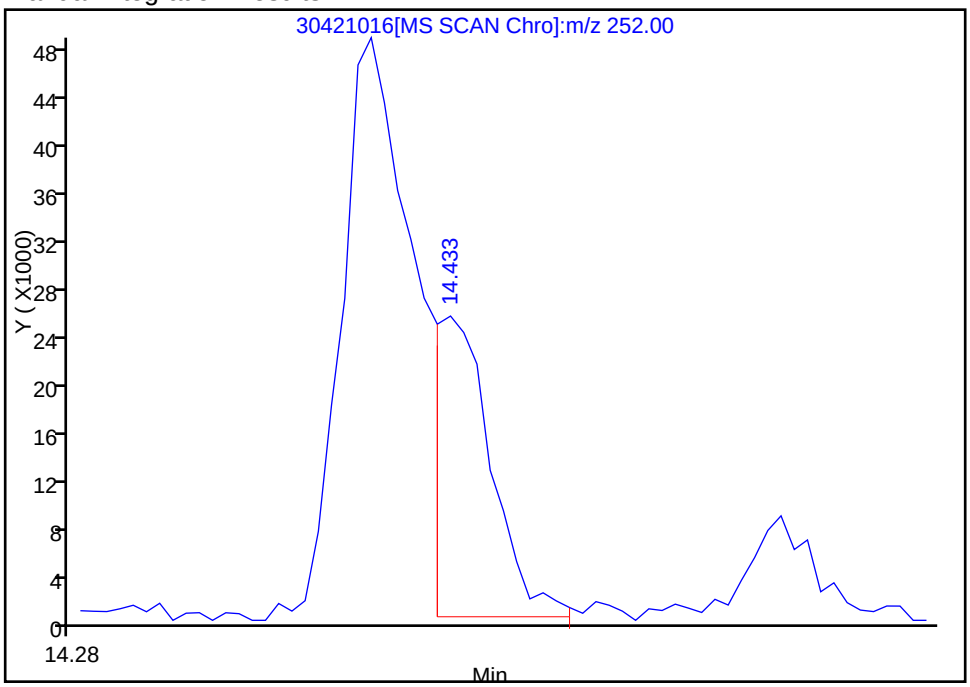
Processing Integration Results

RT: 14.40
Response: 130359
Amount: 0.485817



Manual Integration Results

RT: 14.43
Response: 39820
Amount: 0.148400



Reviewer: ulmanm, 22-Apr-2013 08:46:42
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0024M-0001-SO | Lab Sample ID: 240-22663-37

Matrix: Solid | Lab File ID: 30421017.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:20

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.92(g) | Date Analyzed: 04/21/2013 17:53

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	33	17	17
208-96-8	Acenaphthylene	22	J D	33	17	17
120-12-7	Anthracene	28	J D	33	17	17
56-55-3	Benzo[a]anthracene	110	D	33	17	17
50-32-8	Benzo[a]pyrene	94	D	33	17	17
205-99-2	Benzo[b]fluoranthene	200	D	33	17	17
191-24-2	Benzo[g,h,i]perylene	89	D M	33	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	56	D M	33	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	500	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	500	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	500	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	120	J D	350	140	95
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	65
85-68-7	Butyl benzyl phthalate	140	U	350	140	50
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	750	140	85
59-50-7	4-Chloro-3-methylphenol	140	U	750	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	65
218-01-9	Chrysene	150	D	33	17	5.5
53-70-3	Dibenz(a,h)anthracene	17	U	33	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	55
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	400	U	500	400	90
120-83-2	2,4-Dichlorophenol	140	U	750	140	100
84-66-2	Diethyl phthalate	140	U	350	140	80
105-67-9	2,4-Dimethylphenol	400	U	750	400	100
131-11-3	Dimethyl phthalate	140	U	350	140	85
84-74-2	Di-n-butyl phthalate	140	U	350	140	75

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0024M-0001-SO | Lab Sample ID: 240-22663-37

Matrix: Solid | Lab File ID: 30421017.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:20

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.92(g) | Date Analyzed: 04/21/2013 17:53

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U	750	400	400
51-28-5	2,4-Dinitrophenol	400	U	1700	400	400
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	350	140	140
206-44-0	Fluoranthene	180	D	33	17	17
86-73-7	Fluorene	17	U	33	17	17
118-74-1	Hexachlorobenzene	17	U	33	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	45
193-39-5	Indeno[1,2,3-cd]pyrene	72	D	33	17	17
78-59-1	Isophorone	140	U	250	140	65
91-57-6	2-Methylnaphthalene	17	U	33	17	17
95-48-7	2-Methylphenol	400	U	1000	400	400
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	100
91-20-3	Naphthalene	17	U	33	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	400	U	1000	400	80
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	500	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	400	U	1700	400	400
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	400	U	750	400	400
85-01-8	Phenanthrene	94	D	33	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	170	D	33	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	750	140	130
88-06-2	2,4,6-Trichlorophenol	400	U	750	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0024M-0001-SO | Lab Sample ID: 240-22663-37

Matrix: Solid | Lab File ID: 30421017.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:20

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.92(g) | Date Analyzed: 04/21/2013 17:53

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	60		45-105
367-12-4	2-Fluorophenol (Surr)	62		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	53		35-100
4165-62-2	Phenol-d5 (Surr)	62		40-100
1718-51-0	Terphenyl-d14 (Surr)	53		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	59		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421017.D
Lims ID: 240-22663-C-37-C Client ID: 068SB-0024M-0001-SO
Inject. Date: 21-Apr-2013 17:53:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019112-017
Misc. Info.: 240-22663-C-37-C =240-22663-C-37-C
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 82876 Lims Sample ID: 17
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:48:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.736	6.734	0.002	89	188956	4.00	
* 2 Naphthalene-d8	136	7.842	7.845	-0.003	99	783150	4.00	
* 3 Acenaphthene-d10	164	9.349	9.352	-0.003	78	474617	4.00	
* 4 Phenanthrene-d10	188	10.625	10.623	0.002	98	837130	4.00	
* 5 Chrysene-d12	240	12.997	13.001	-0.004	77	966818	4.00	
* 6 Perylene-d12	264	15.054	15.057	-0.003	83	925036	4.00	
$ 7 2-Fluorophenol	112	5.582	5.532	0.050	91	142757	1.86	
$ 8 Phenol-d5	99	6.368	6.360	0.008	91	192003	1.86	
$ 9 Nitrobenzene-d5	82	7.206	7.204	0.002	85	122854	1.06	
$ 10 2-Fluorobiphenyl (Surr)	172	8.734	8.738	-0.004	98	168892	1.20	
$ 11 2,4,6-Tribromophenol	330	10.016	10.020	-0.004	81	27054	1.76	
$ 12 Terphenyl-d14	244	11.934	11.937	-0.003	97	182483	1.05	
43 Phenol	94		6.371					9
69 Bis(2-chloroethyl)ether	93		6.462					9
46 2-Chlorophenol	128		6.553					
47 1,3-Dichlorobenzene	146		6.691					9
48 1,4-Dichlorobenzene	146		6.750					9
49 Benzyl alcohol	108		6.825					9
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					9
53 2,2'-oxybis[1-chloropropane]	45		6.937					
21 3 & 4 Methylphenol	108		7.028					
57 N-Nitrosodi-n-propylamine	70		7.044					9
61 Hexachloroethane	117		7.194					
62 Nitrobenzene	77		7.220					9
64 Isophorone	82		7.418					9
65 2,4-Dimethylphenol	107		7.493					
66 2-Nitrophenol	139		7.498					
71 Benzoic acid	122		7.546					
70 Bis(2-chloroethoxy)methane	93		7.568					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.701					
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128		7.861					
76 4-Chloroaniline	127		7.872					9
79 Hexachlorobutadiene	225		7.958					
86 4-Chloro-3-methylphenol	107		8.262					
87 2-Methylnaphthalene	142		8.449					9
89 Hexachlorocyclopentadiene	237		8.588					
92 2,4,6-Trichlorophenol	196		8.673					
93 2,4,5-Trichlorophenol	196		8.711					
100 2-Chloronaphthalene	162		8.871					
102 2-Nitroaniline	65		8.924					9
105 Dimethyl phthalate	163		9.047					9
107 2,6-Dinitrotoluene	165		9.111					9
109 Acenaphthylene	152	9.231	9.234	-0.003	63	11928	0.0654	
110 3-Nitroaniline	138		9.272					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109		9.373					
112 Acenaphthene	153		9.379					9
114 2,4-Dinitrotoluene	165		9.464					
116 Dibenzofuran	168		9.523					9
121 Diethyl phthalate	149		9.640					9
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					9
126 Fluorene	166		9.817					
128 4,6-Dinitro-2-methylphenol	198		9.822					
131 N-Nitrosodiphenylamine	169		9.875					9
139 4-Bromophenyl phenyl ether	248		10.201					
141 Hexachlorobenzene	284		10.303					
143 Pentachlorophenol	266		10.452					
148 Phenanthrene	178	10.641	10.645	-0.004	74	57820	0.2799	
149 Anthracene	178	10.690	10.687	0.003	73	17090	0.0837	
151 Carbazole	167	10.796	10.800	-0.004	52	9837	0.2682	
154 Di-n-butyl phthalate	149		11.013					
159 Fluoranthene	202	11.667	11.665	0.002	97	128808	0.5464	
161 Pyrene	202	11.870	11.873	-0.003	93	111521	0.5226	
168 Butyl benzyl phthalate	149		12.311					
173 Bis(2-ethylhexyl) phthalate	149	12.832	12.830	0.002	92	48015	0.3686	
175 3,3'-Dichlorobenzidine	252		12.899					9
177 Benzo[a]anthracene	228	12.981	12.985	-0.003	80	75417	0.3300	
178 Chrysene	228	13.024	13.027	-0.003	88	98546	0.4480	
180 Di-n-octyl phthalate	149		13.577					
182 Benzo[b]fluoranthene	252	14.402	14.406	-0.004	85	144532	0.6045	
183 Benzo[k]fluoranthene	252	14.440	14.448	-0.008	1	45443	0.1676	M
184 Benzo[a]pyrene	252	14.958	14.966	-0.008	63	65834	0.2809	
189 Dibenz(a,h)anthracene	278		17.354					
188 Indeno[1,2,3-cd]pyrene	276	17.341	17.354	-0.014	85	50873	0.2139	
190 Benzo[g,h,i]perylene	276	18.062	18.070	-0.008	81	52044	0.2651	M

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

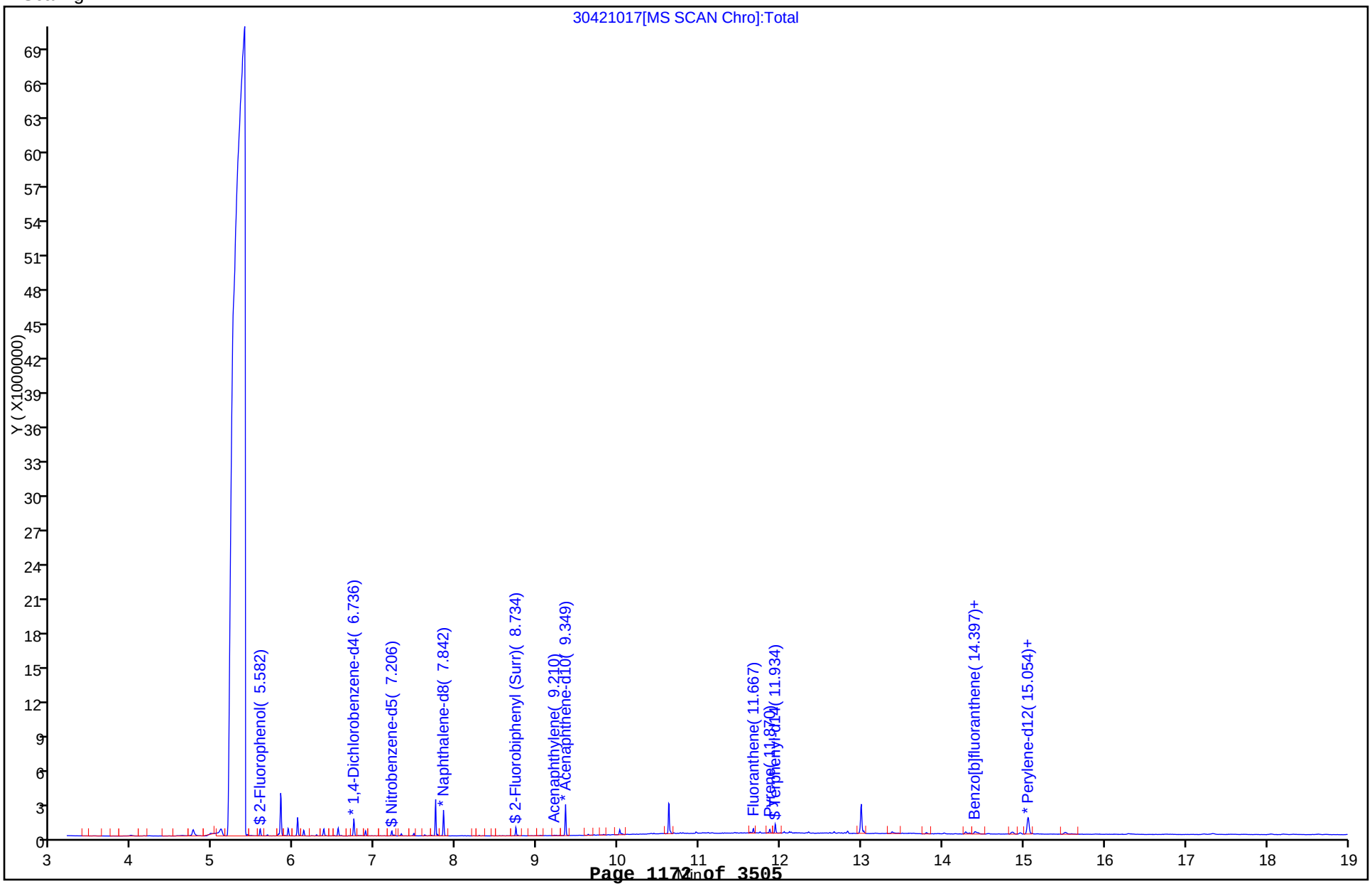
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



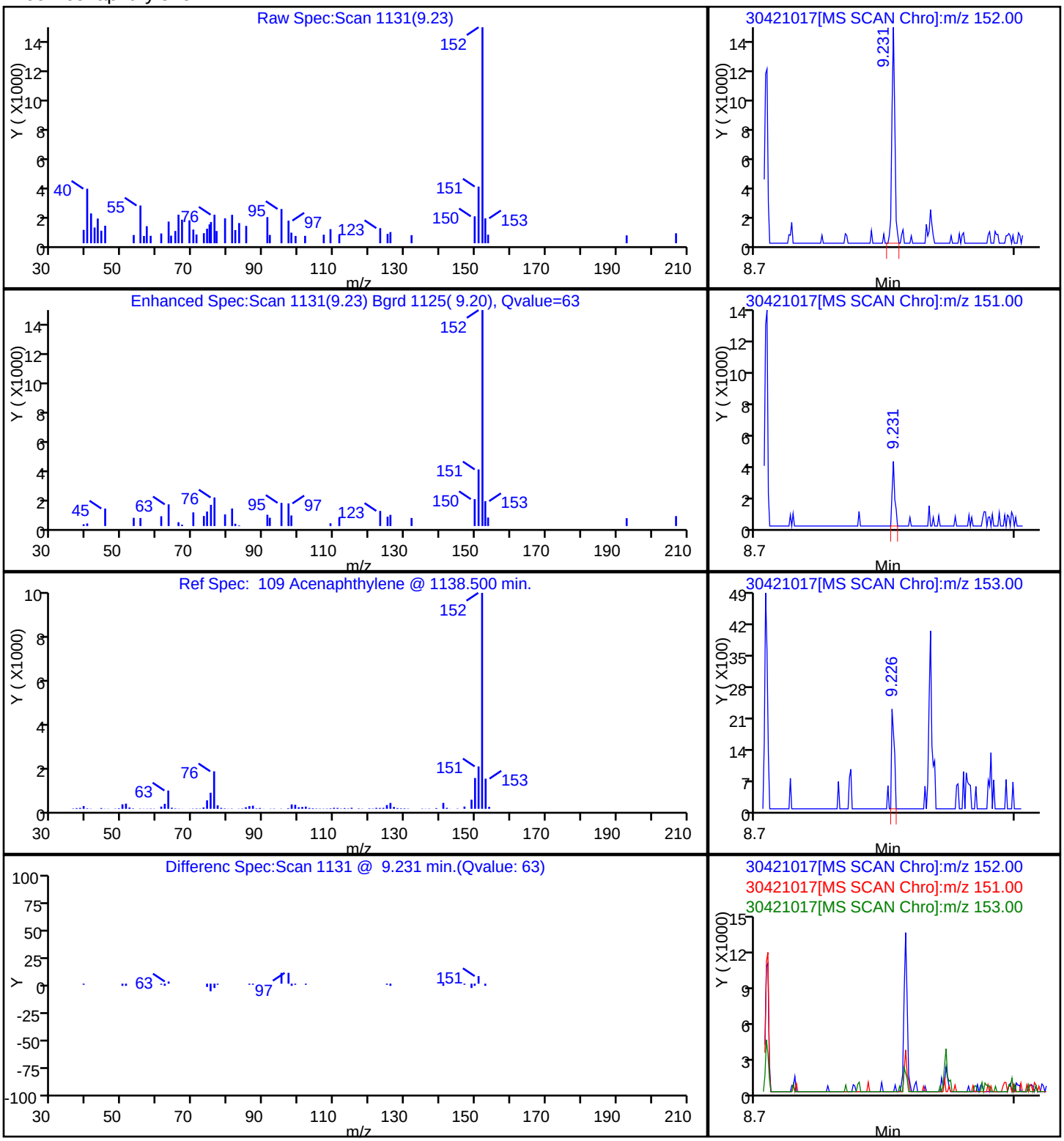
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

109 Acenaphthylene



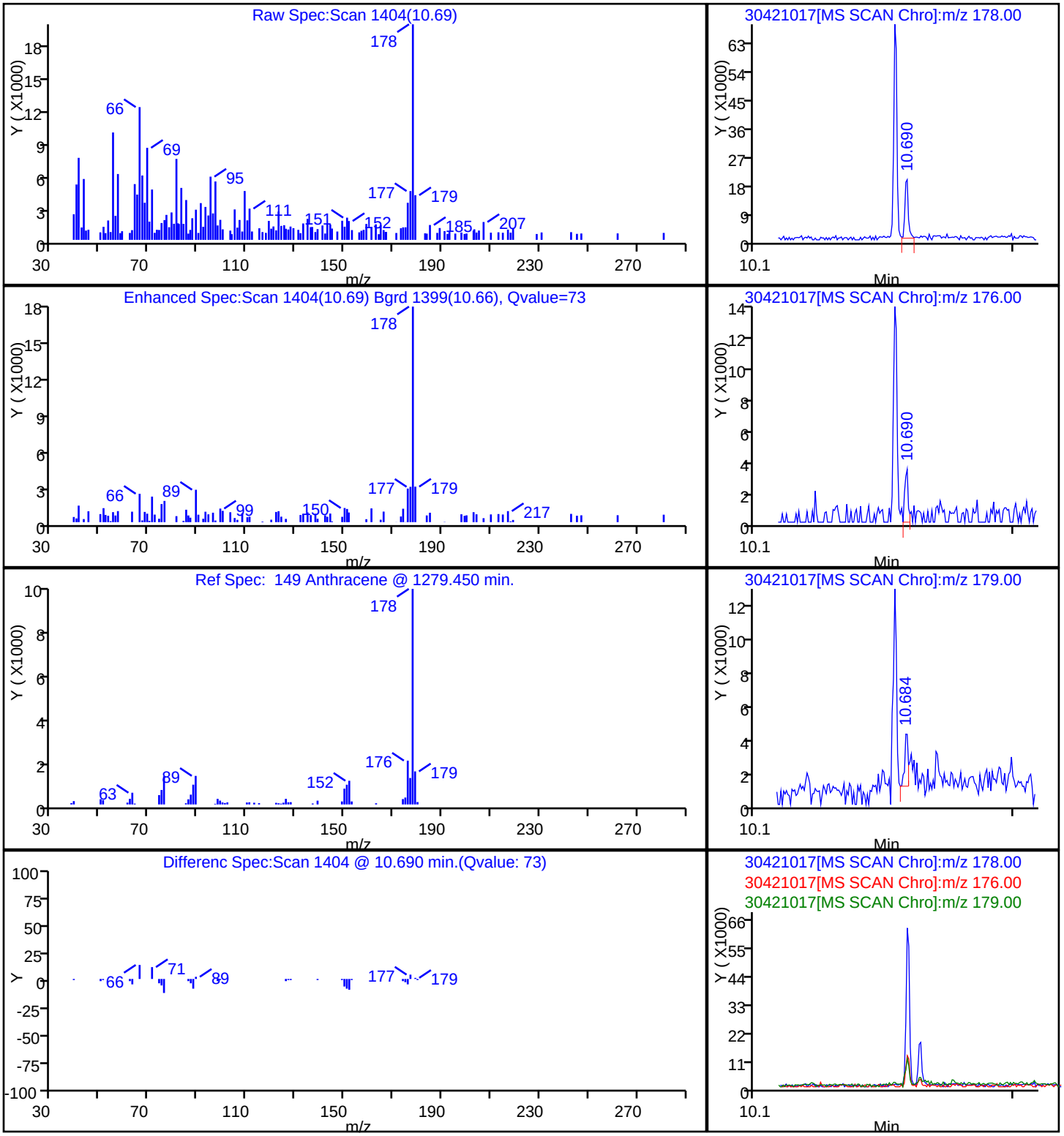
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

149 Anthracene



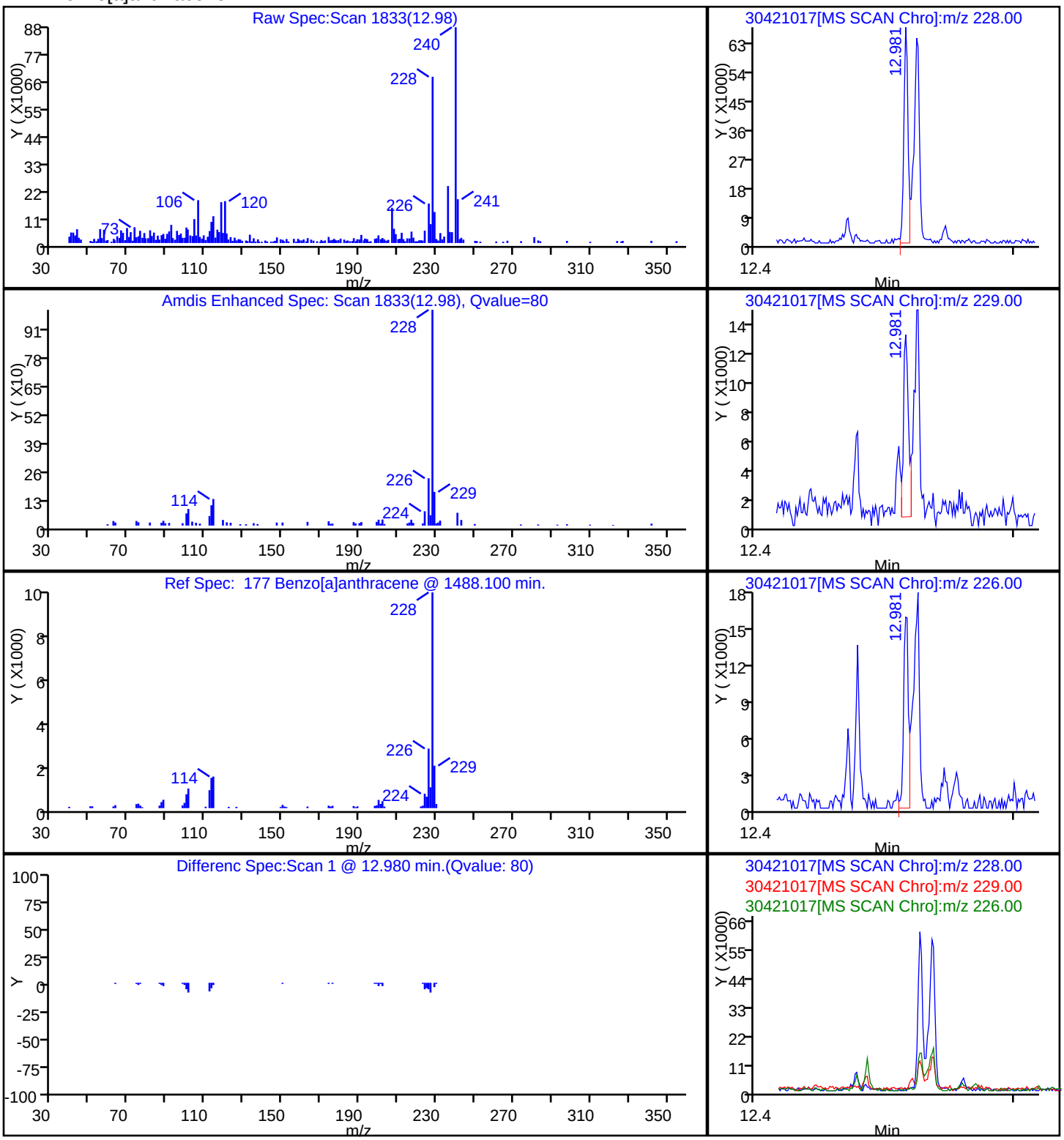
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene

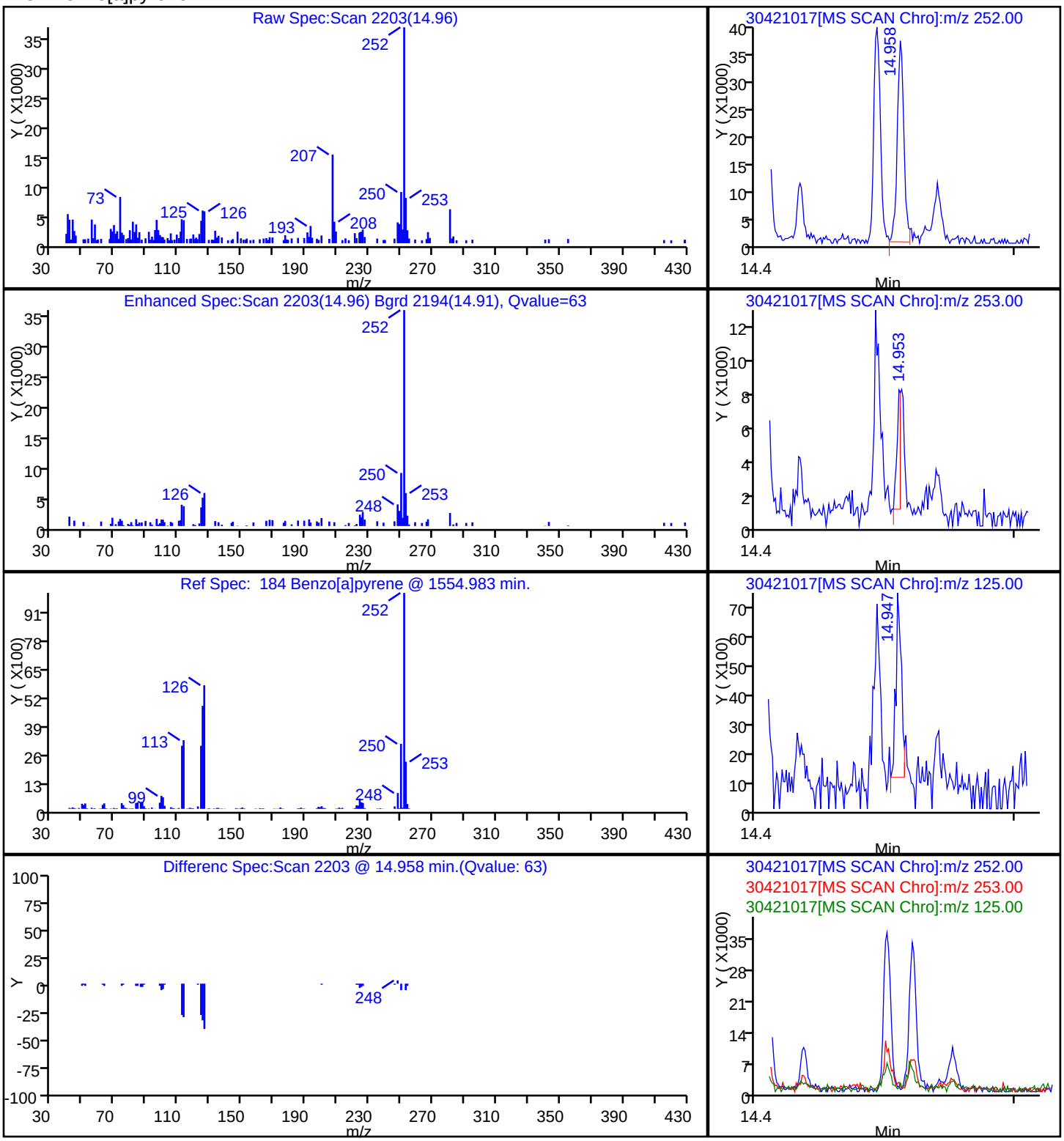


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TestAmerica Canton

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Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



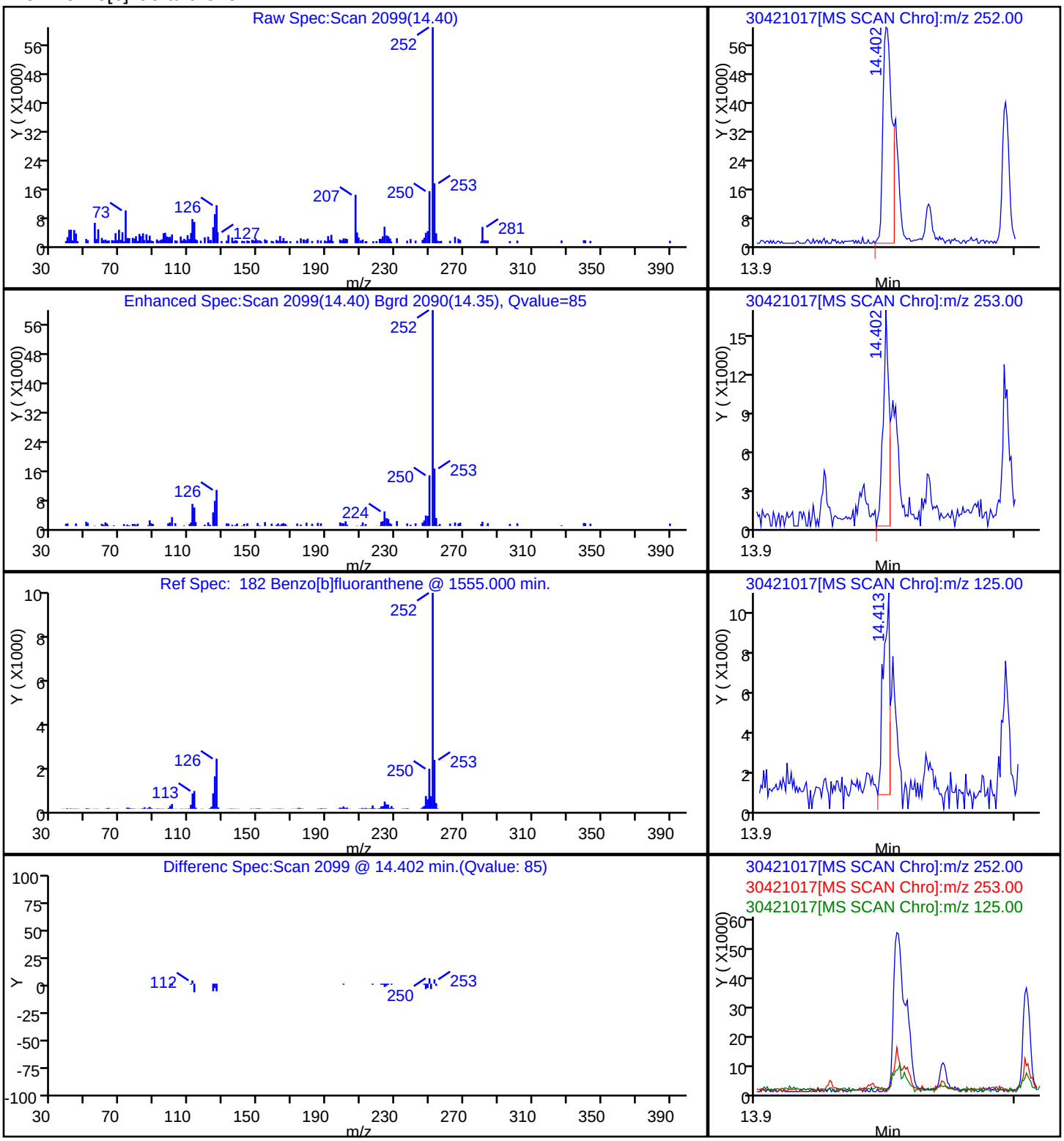
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



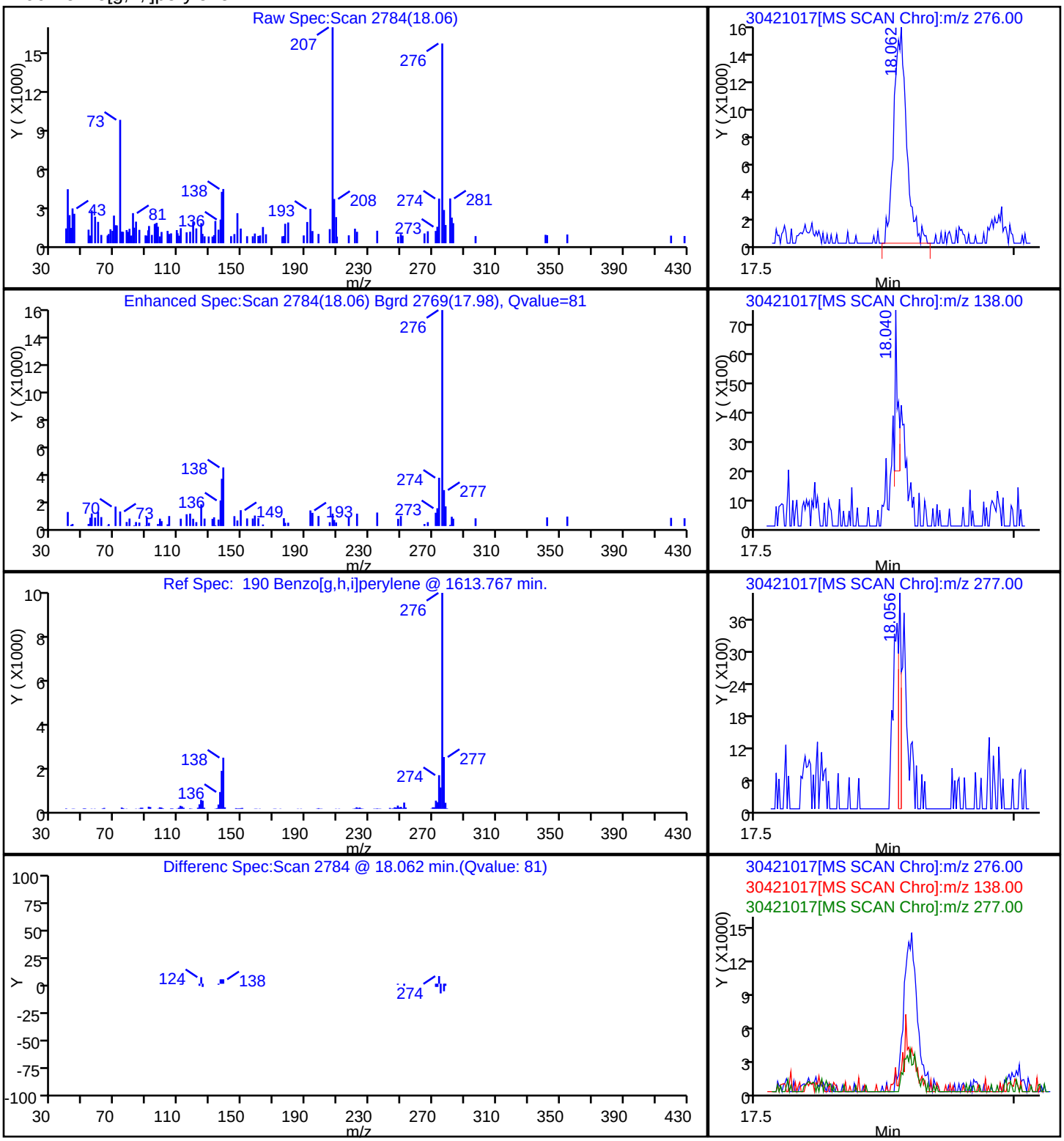
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene



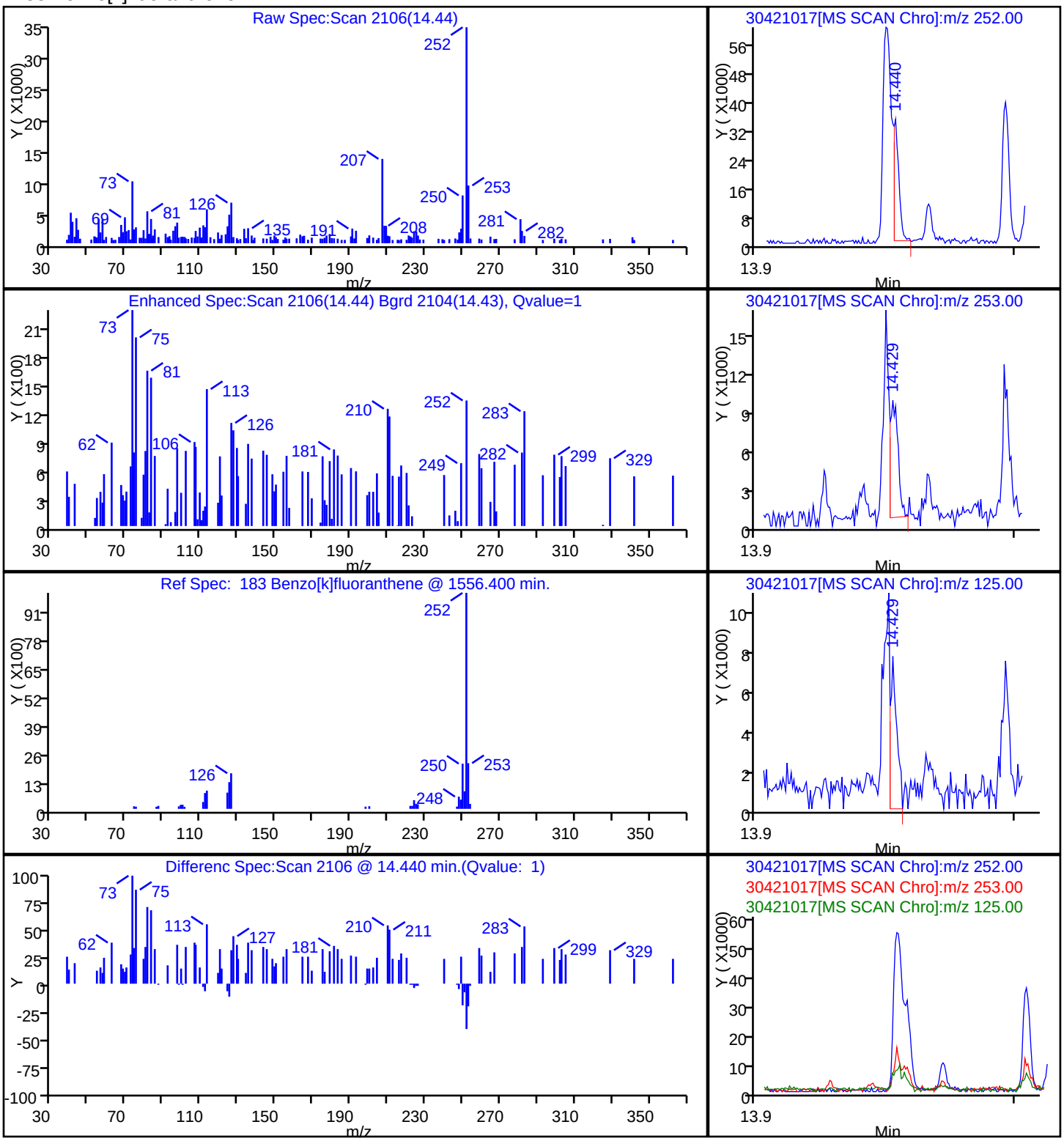
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



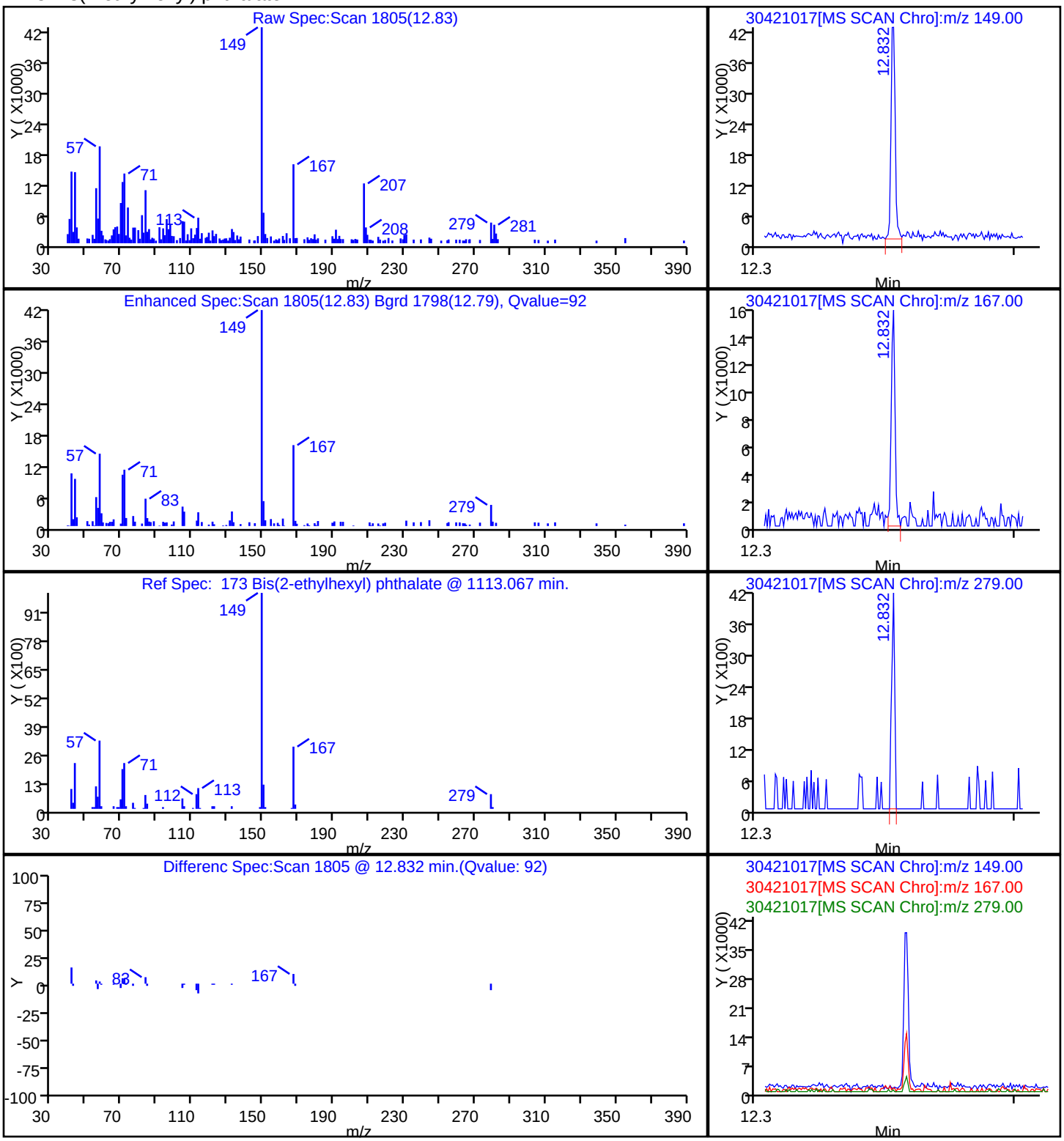
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



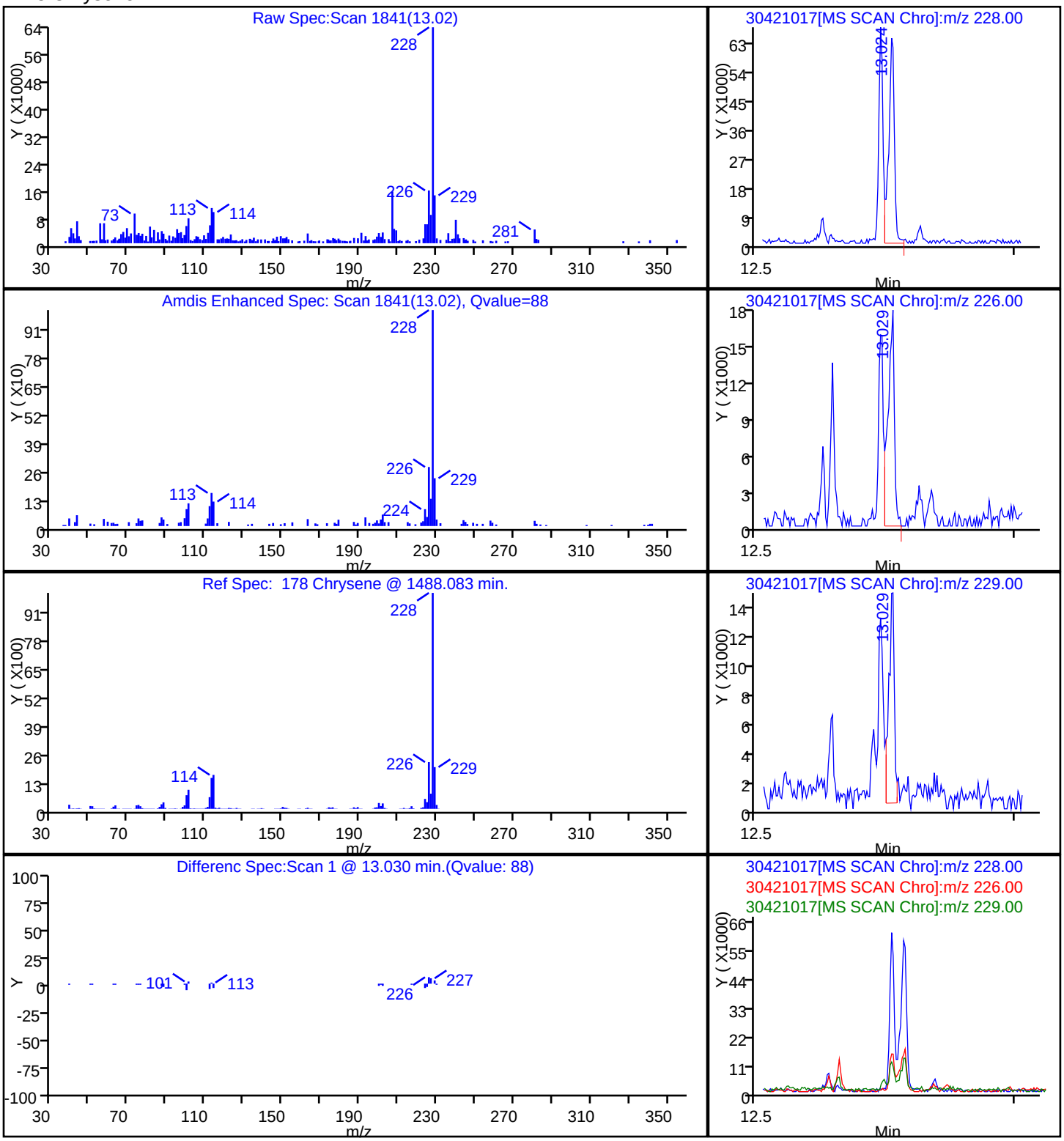
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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene

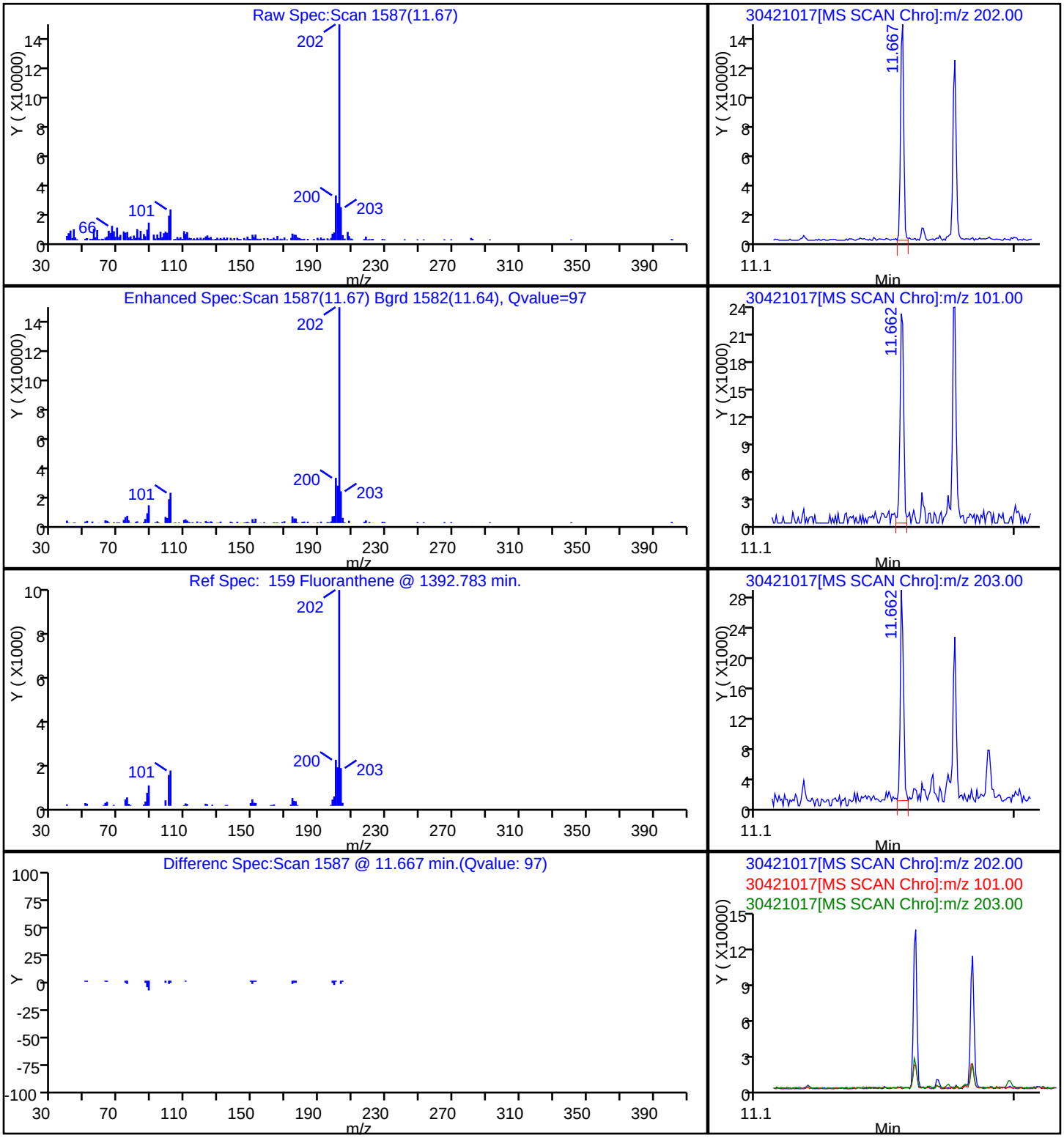


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TestAmerica Canton

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Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



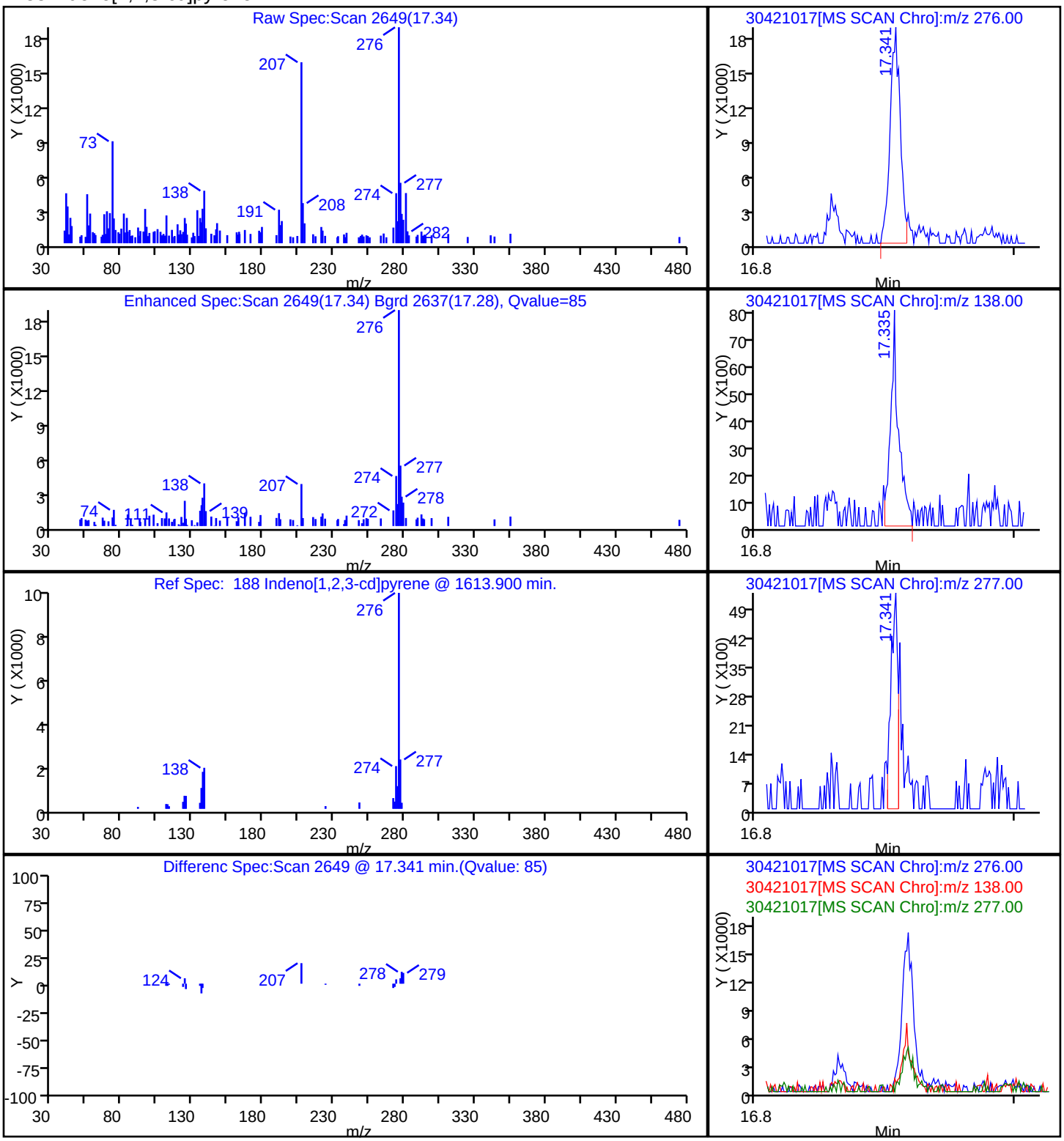
Report Date: 22-Apr-2013 08:55:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421017.D

Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene



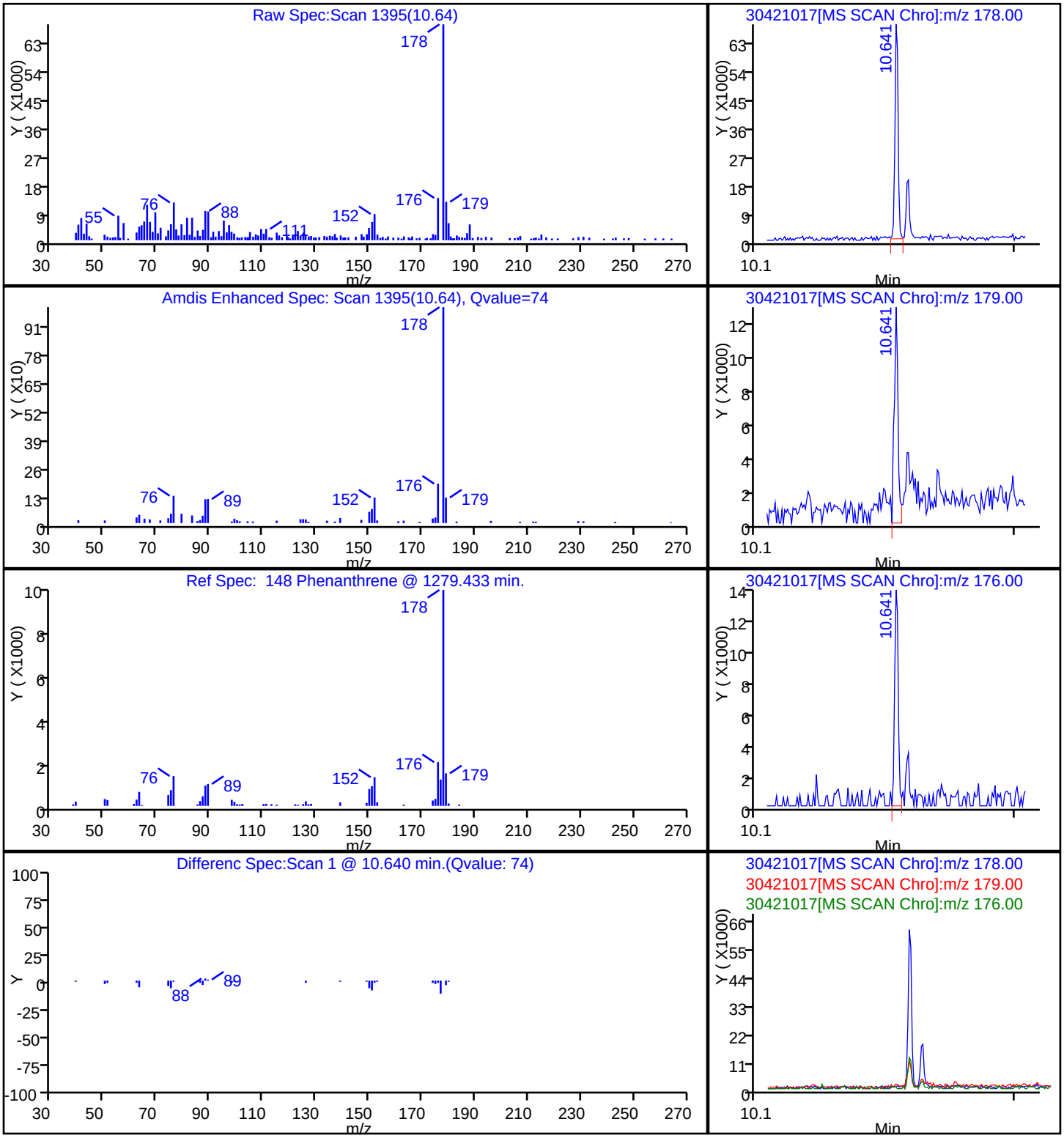
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421017.D

Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



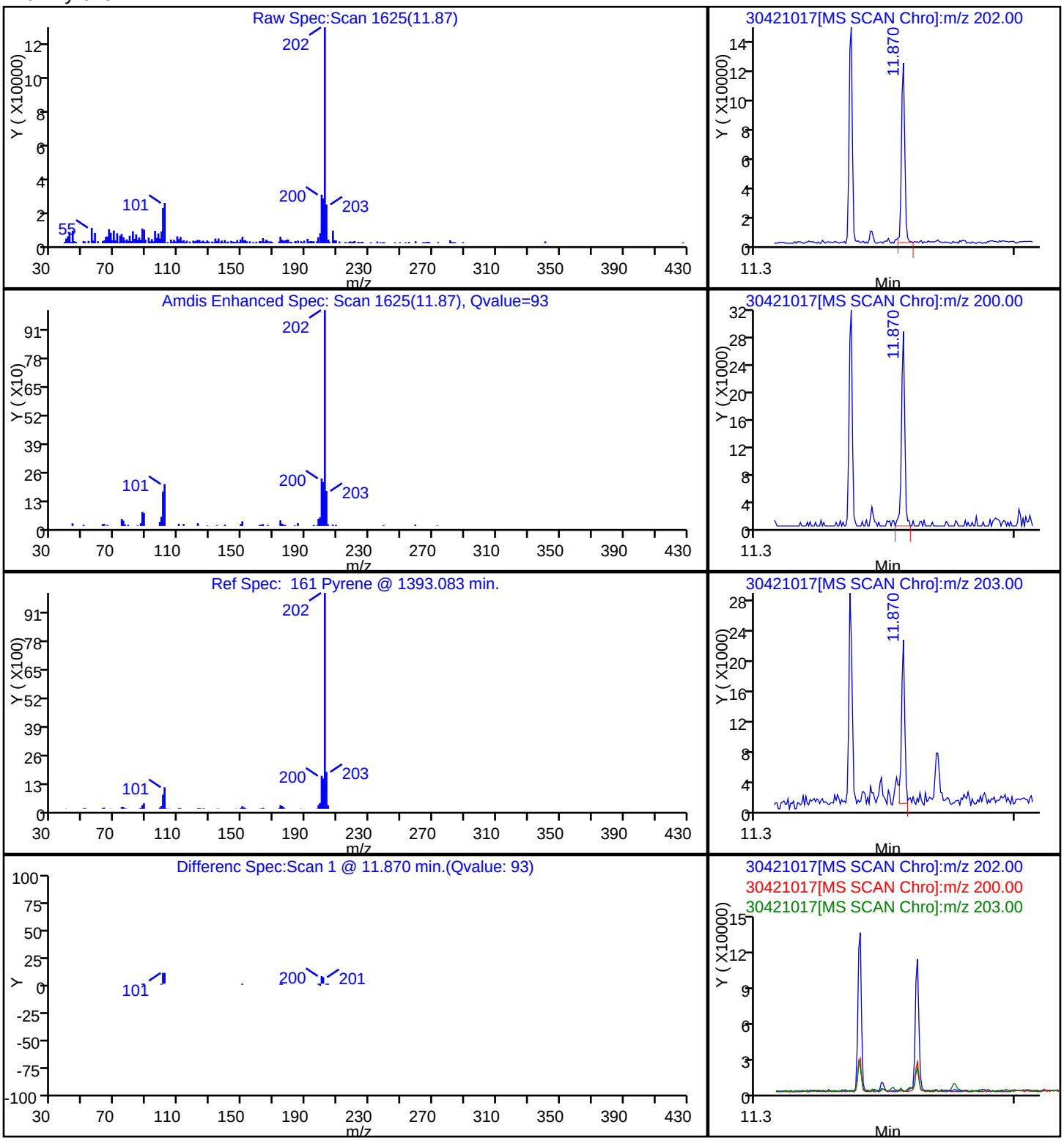
Report Date: 22-Apr-2013 08:55:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421017.D

Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Pyrene



Manual Integration/User Assign Peak Report

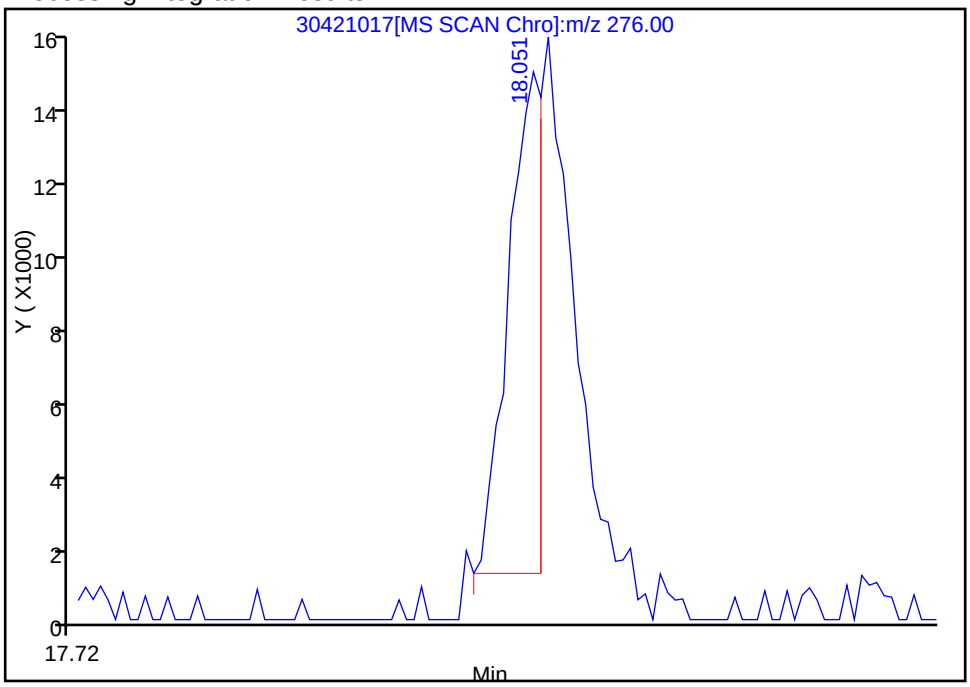
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421017.D		
Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.07

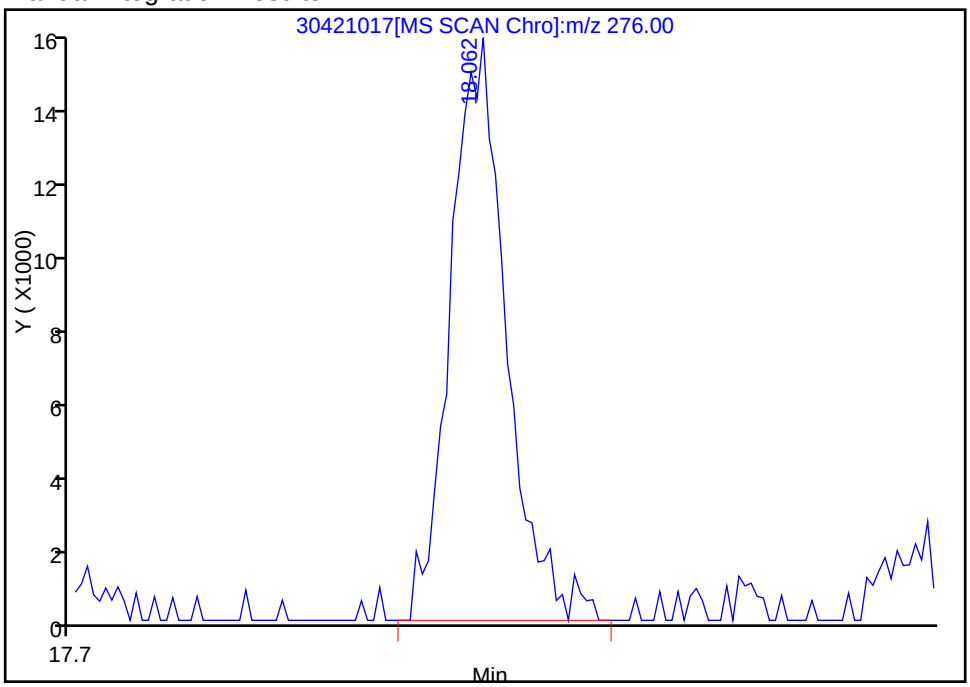
Processing Integration Results

RT: 18.05
Response: 22068
Amount: 0.112396



Manual Integration Results

RT: 18.06
Response: 52044
Amount: 0.265068



Reviewer: ulmanm, 22-Apr-2013 08:48:22
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

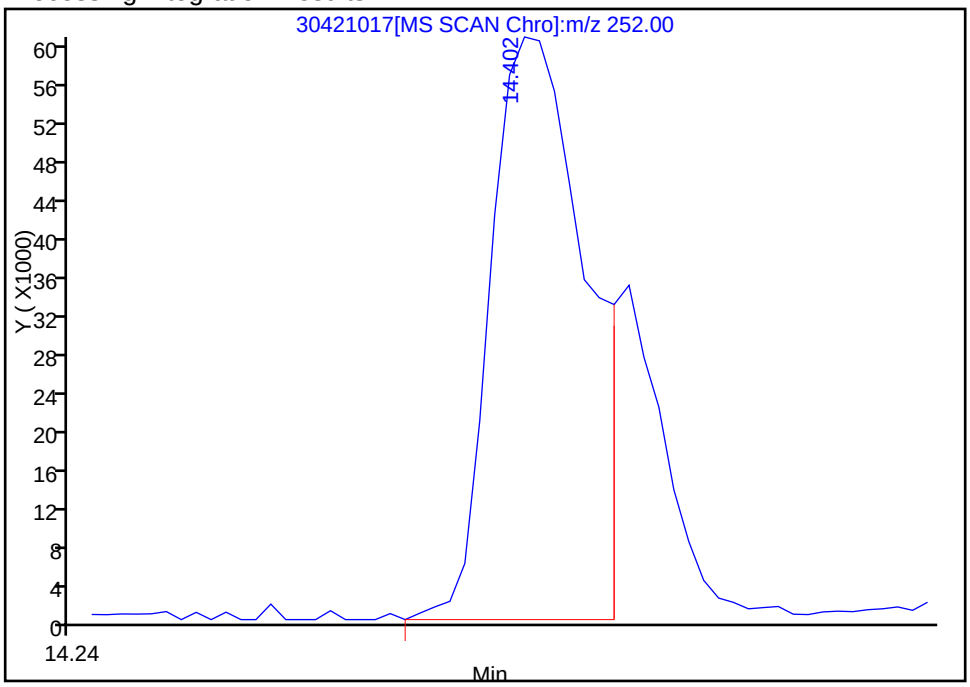
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421017.D		
Injection Date:	21-Apr-2013 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0024M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.45

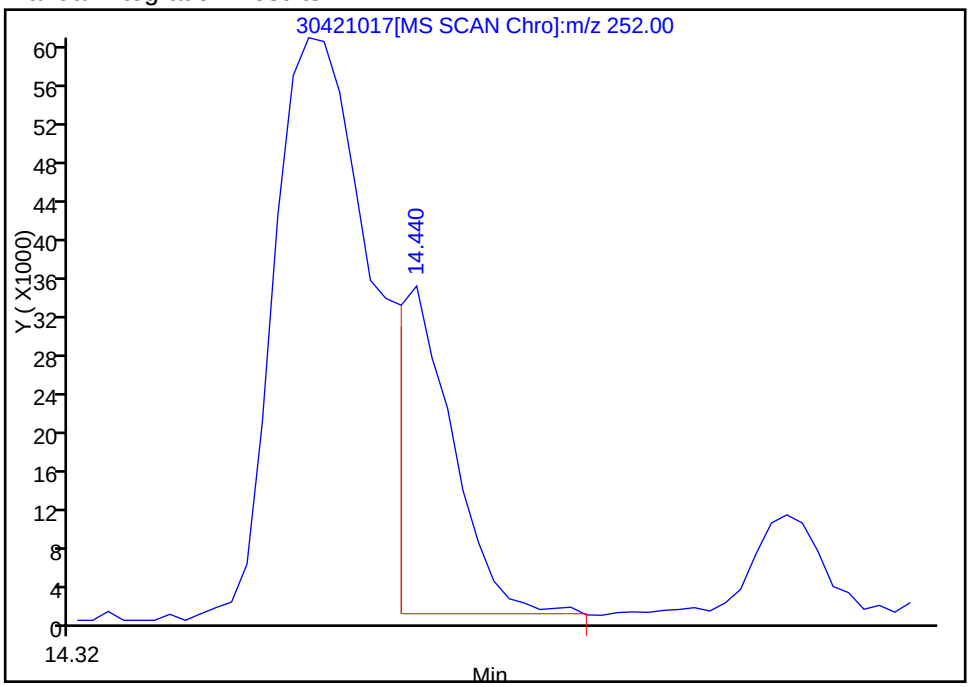
Processing Integration Results

RT: 14.40
Response: 144532
Amount: 0.533058



Manual Integration Results

RT: 14.44
Response: 45443
Amount: 0.167601



Reviewer: ulmanm, 22-Apr-2013 08:48:22
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0025M-0001-SO | Lab Sample ID: 240-22663-38

Matrix: Solid | Lab File ID: 30421018.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:45

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.83(g) | Date Analyzed: 04/21/2013 18:19

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	34	17	17
208-96-8	Acenaphthylene	17	U	34	17	17
120-12-7	Anthracene	52	D	34	17	17
56-55-3	Benzo[a]anthracene	120	D	34	17	17
50-32-8	Benzo[a]pyrene	83	D	34	17	17
205-99-2	Benzo[b]fluoranthene	140	D	34	17	17
191-24-2	Benzo[g,h,i]perylene	58	D M	34	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	46	D	34	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	500	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	500	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	500	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	350	140	96
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	65
85-68-7	Butyl benzyl phthalate	140	U	350	140	50
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	750	140	85
59-50-7	4-Chloro-3-methylphenol	140	U	750	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	65
218-01-9	Chrysene	130	D	34	17	5.5
53-70-3	Dibenz(a,h)anthracene	17	U	34	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	55
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	400	U	500	400	91
120-83-2	2,4-Dichlorophenol	140	U	750	140	100
84-66-2	Diethyl phthalate	140	U	350	140	80
105-67-9	2,4-Dimethylphenol	400	U	750	400	100
131-11-3	Dimethyl phthalate	140	U	350	140	85
84-74-2	Di-n-butyl phthalate	140	U	350	140	75

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0025M-0001-SO | Lab Sample ID: 240-22663-38

Matrix: Solid | Lab File ID: 30421018.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:45

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.83(g) | Date Analyzed: 04/21/2013 18:19

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U	750	400	400
51-28-5	2,4-Dinitrophenol	400	U	1700	400	400
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	350	140	140
206-44-0	Fluoranthene	270	D	34	17	17
86-73-7	Fluorene	17	U	34	17	17
118-74-1	Hexachlorobenzene	17	U	34	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	45
193-39-5	Indeno[1,2,3-cd]pyrene	50	D	34	17	17
78-59-1	Isophorone	140	U	250	140	65
91-57-6	2-Methylnaphthalene	17	U	34	17	17
95-48-7	2-Methylphenol	400	U	1000	400	400
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	100
91-20-3	Naphthalene	17	U	34	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	400	U	1000	400	80
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	500	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	400	U	1700	400	400
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	400	U	750	400	400
85-01-8	Phenanthrene	180	D	34	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	220	D	34	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	750	140	130
88-06-2	2,4,6-Trichlorophenol	400	U	750	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0025M-0001-SO | Lab Sample ID: 240-22663-38

Matrix: Solid | Lab File ID: 30421018.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:45

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.83(g) | Date Analyzed: 04/21/2013 18:19

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	62		45-105
367-12-4	2-Fluorophenol (Surr)	68		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	54		35-100
4165-62-2	Phenol-d5 (Surr)	66		40-100
1718-51-0	Terphenyl-d14 (Surr)	60		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	71		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D
Lims ID: 240-22663-C-38-C
Client ID: 068SB-0025M-0001-SO
Inject. Date: 21-Apr-2013 18:19:30
Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019112-018
Misc. Info.: 240-22663-C-38-C =240-22663-C-38-C
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 18
Lims Batch ID: 82876
Lims Sample ID: 18
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38
Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm
Date: 22-Apr-2013 08:50:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.738	6.734	0.004	95	181937	4.00	
* 2 Naphthalene-d8	136	7.844	7.845	-0.001	99	764696	4.00	
* 3 Acenaphthene-d10	164	9.350	9.352	-0.002	79	460250	4.00	
* 4 Phenanthrene-d10	188	10.622	10.623	-0.001	97	722615	4.00	
* 5 Chrysene-d12	240	12.999	13.001	-0.002	80	921863	4.00	
* 6 Perylene-d12	264	15.056	15.057	-0.001	94	888717	4.00	
$ 7 2-Fluorophenol	112	5.573	5.532	0.041	92	149849	2.03	
$ 8 Phenol-d5	99	6.364	6.360	0.004	91	197759	1.99	
$ 9 Nitrobenzene-d5	82	7.203	7.204	-0.001	86	121839	1.08	
$ 10 2-Fluorobiphenyl (Surr)	172	8.736	8.738	-0.002	98	169129	1.23	
$ 11 2,4,6-Tribromophenol	330	10.018	10.020	-0.002	73	31789	2.14	
$ 12 Terphenyl-d14	244	11.936	11.937	-0.001	98	198924	1.20	
43 Phenol	94		6.371					9
69 Bis(2-chloroethyl)ether	93		6.462					
46 2-Chlorophenol	128		6.553					
47 1,3-Dichlorobenzene	146		6.691					9
48 1,4-Dichlorobenzene	146		6.750					9
49 Benzyl alcohol	108		6.825					9
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					9
53 2,2'-oxybis[1-chloropropane]	45		6.937					
21 3 & 4 Methylphenol	108		7.028					9
57 N-Nitrosodi-n-propylamine	70		7.044					
61 Hexachloroethane	117		7.194					
62 Nitrobenzene	77		7.220					
64 Isophorone	82		7.418					9
65 2,4-Dimethylphenol	107		7.493					
66 2-Nitrophenol	139		7.498					
71 Benzoic acid	122		7.546					
70 Bis(2-chloroethoxy)methane	93		7.568					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.701					
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128		7.861					9
76 4-Chloroaniline	127		7.872					9
79 Hexachlorobutadiene	225		7.958					
86 4-Chloro-3-methylphenol	107		8.262					9
87 2-Methylnaphthalene	142		8.449					9
89 Hexachlorocyclopentadiene	237		8.588					
92 2,4,6-Trichlorophenol	196		8.673					
93 2,4,5-Trichlorophenol	196		8.711					
100 2-Chloronaphthalene	162		8.871					
102 2-Nitroaniline	65		8.924					
105 Dimethyl phthalate	163		9.047					
107 2,6-Dinitrotoluene	165		9.111					
109 Acenaphthylene	152		9.234					
110 3-Nitroaniline	138		9.272					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109		9.373					
112 Acenaphthene	153		9.379					
114 2,4-Dinitrotoluene	165		9.464					9
116 Dibenzofuran	168		9.523					
121 Diethyl phthalate	149		9.640					
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					9
126 Fluorene	166		9.817					
128 4,6-Dinitro-2-methylphenol	198		9.822					9
131 N-Nitrosodiphenylamine	169		9.875					9
139 4-Bromophenyl phenyl ether	248		10.201					
141 Hexachlorobenzene	284		10.303					
143 Pentachlorophenol	266		10.452					
148 Phenanthrene	178	10.643	10.645	-0.002	89	97271	0.5455	
149 Anthracene	178	10.686	10.687	-0.001	87	27506	0.1560	
151 Carbazole	167		10.800					9
154 Di-n-butyl phthalate	149		11.013					
159 Fluoranthene	202	11.663	11.665	-0.002	95	165493	0.7968	
161 Pyrene	202	11.872	11.873	-0.001	94	131492	0.6462	
168 Butyl benzyl phthalate	149		12.311					
173 Bis(2-ethylhexyl) phthalate	149	12.828	12.830	-0.002	72	22034	0.1774	
175 3,3'-Dichlorobenzidine	252		12.899					
177 Benzo[a]anthracene	228	12.983	12.985	-0.001	85	77088	0.3537	
178 Chrysene	228	13.026	13.027	-0.001	63	79219	0.3777	
180 Di-n-octyl phthalate	149		13.577					
182 Benzo[b]fluoranthene	252	14.404	14.406	-0.002	83	92802	0.4040	
183 Benzo[k]fluoranthene	252	14.436	14.448	-0.012	12	35763	0.1373	
184 Benzo[a]pyrene	252	14.959	14.966	-0.007	62	55502	0.2465	
189 Dibenz(a,h)anthracene	278		17.354					9
188 Indeno[1,2,3-cd]pyrene	276	17.331	17.354	-0.023	88	33764	0.1478	
190 Benzo[g,h,i]perylene	276	18.053	18.070	-0.017	78	32564	0.1726	M

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

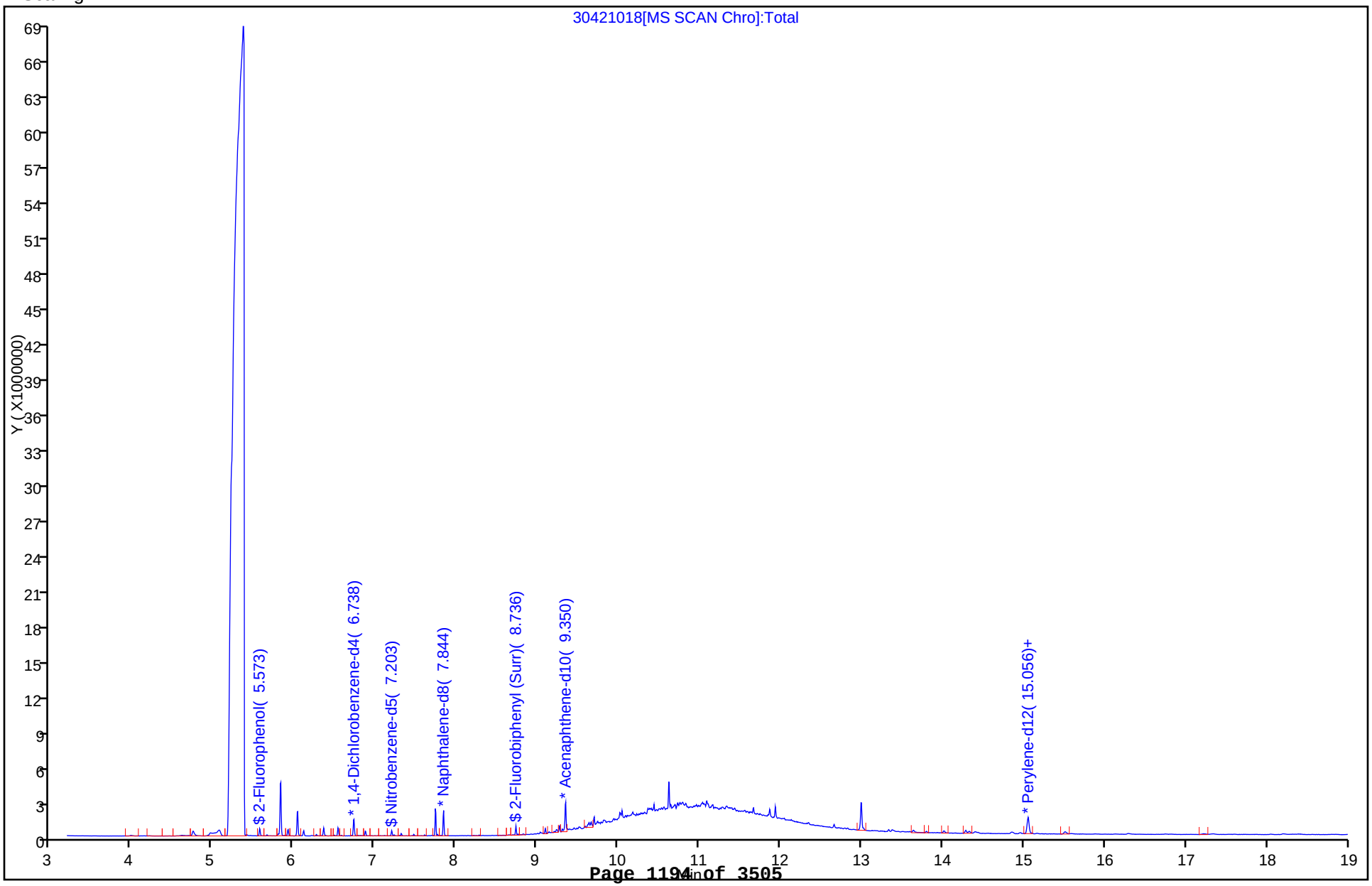
Report Date: 22-Apr-2013 08:55:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D

Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



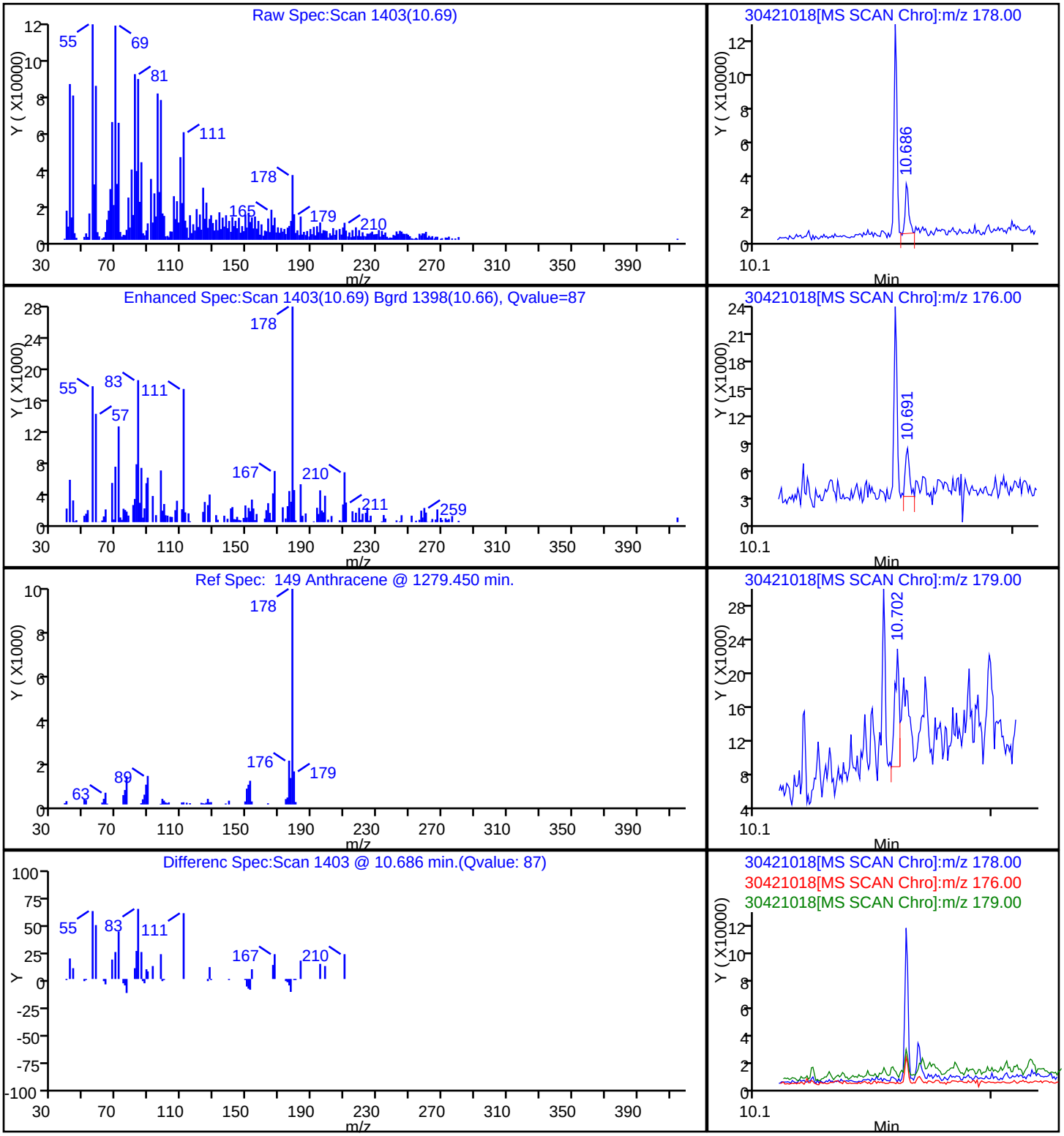
Report Date: 22-Apr-2013 08:55:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D

Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

149 Anthracene



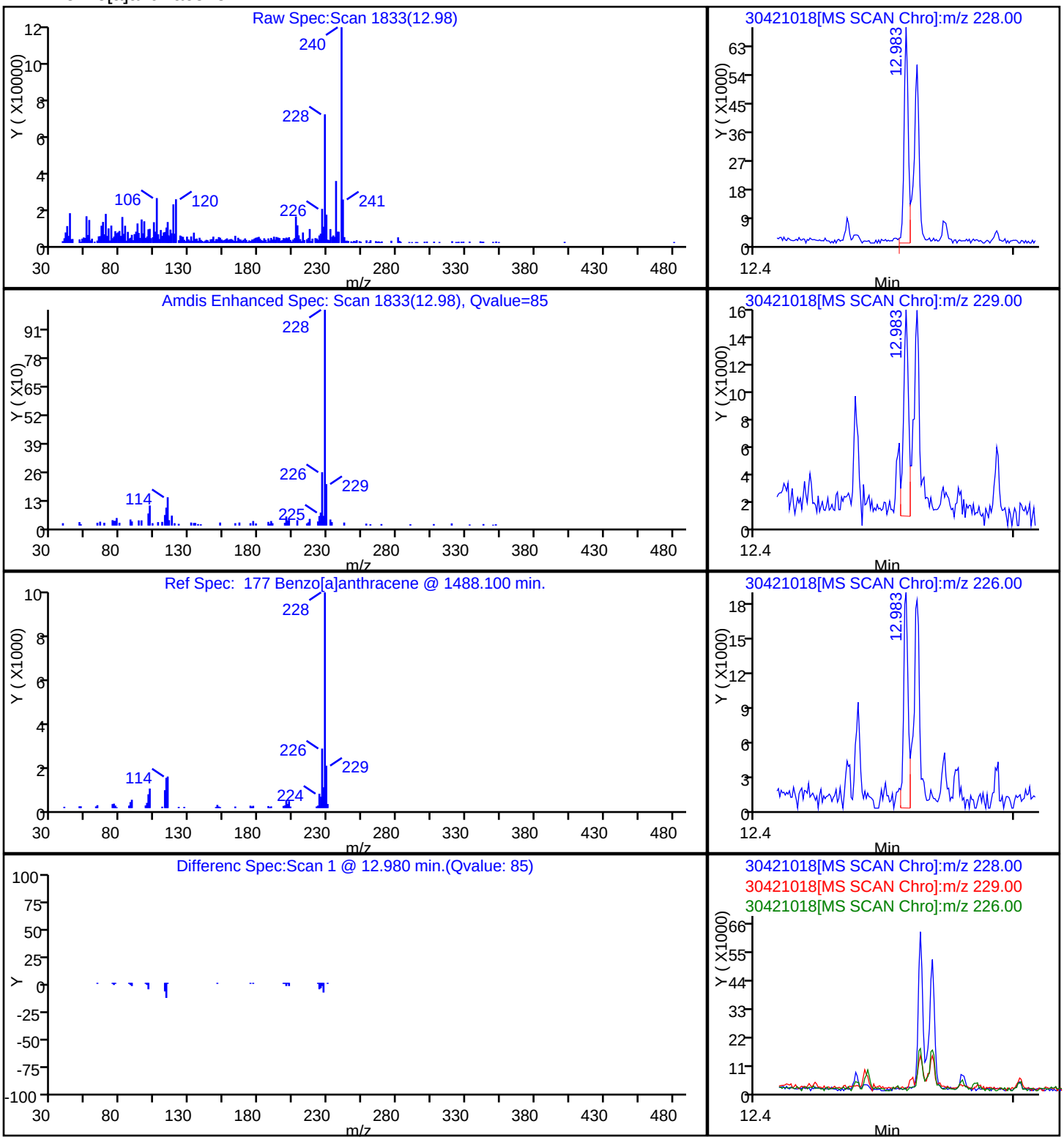
Report Date: 22-Apr-2013 08:55:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D

Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



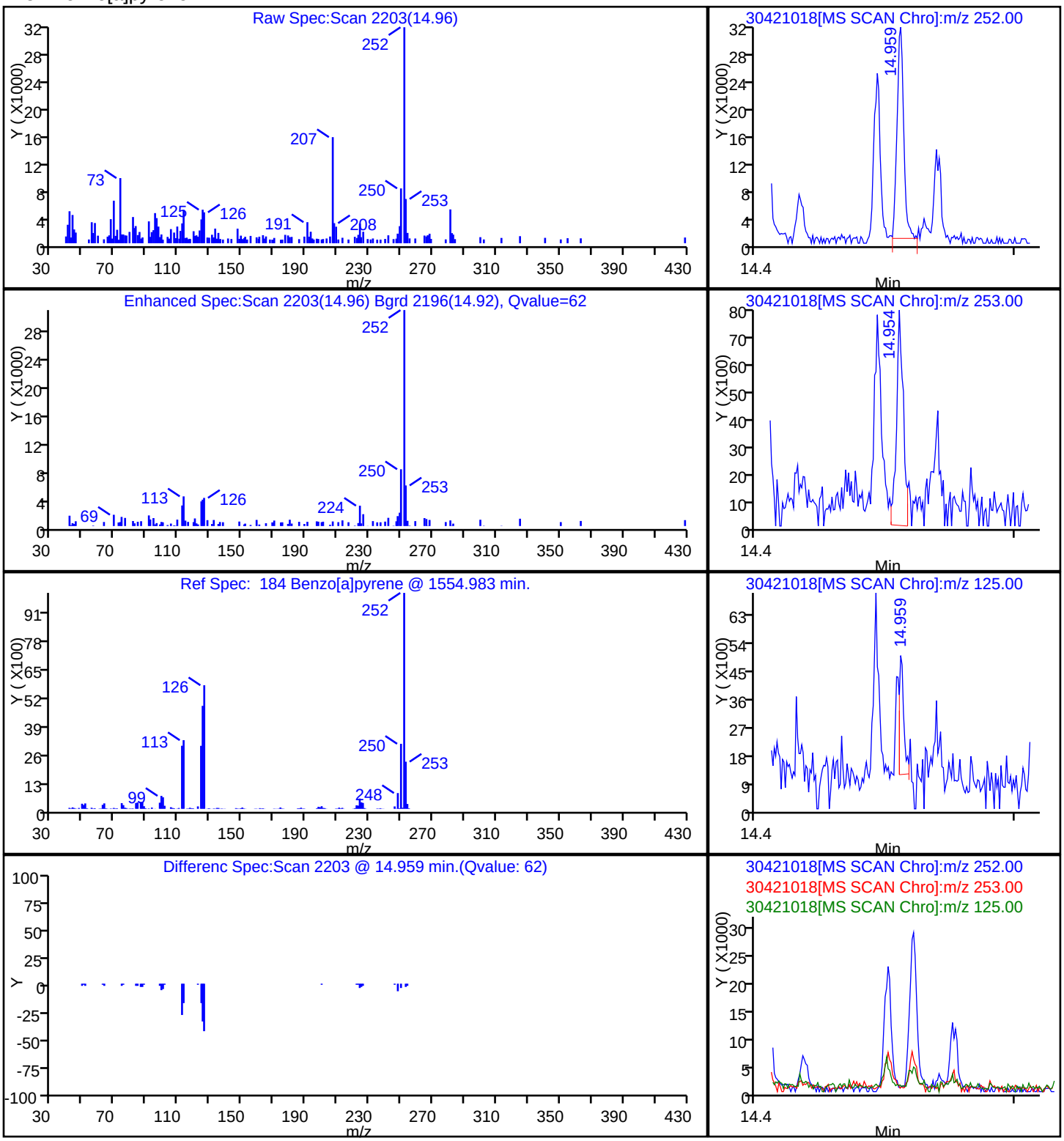
Report Date: 22-Apr-2013 08:55:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D

Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



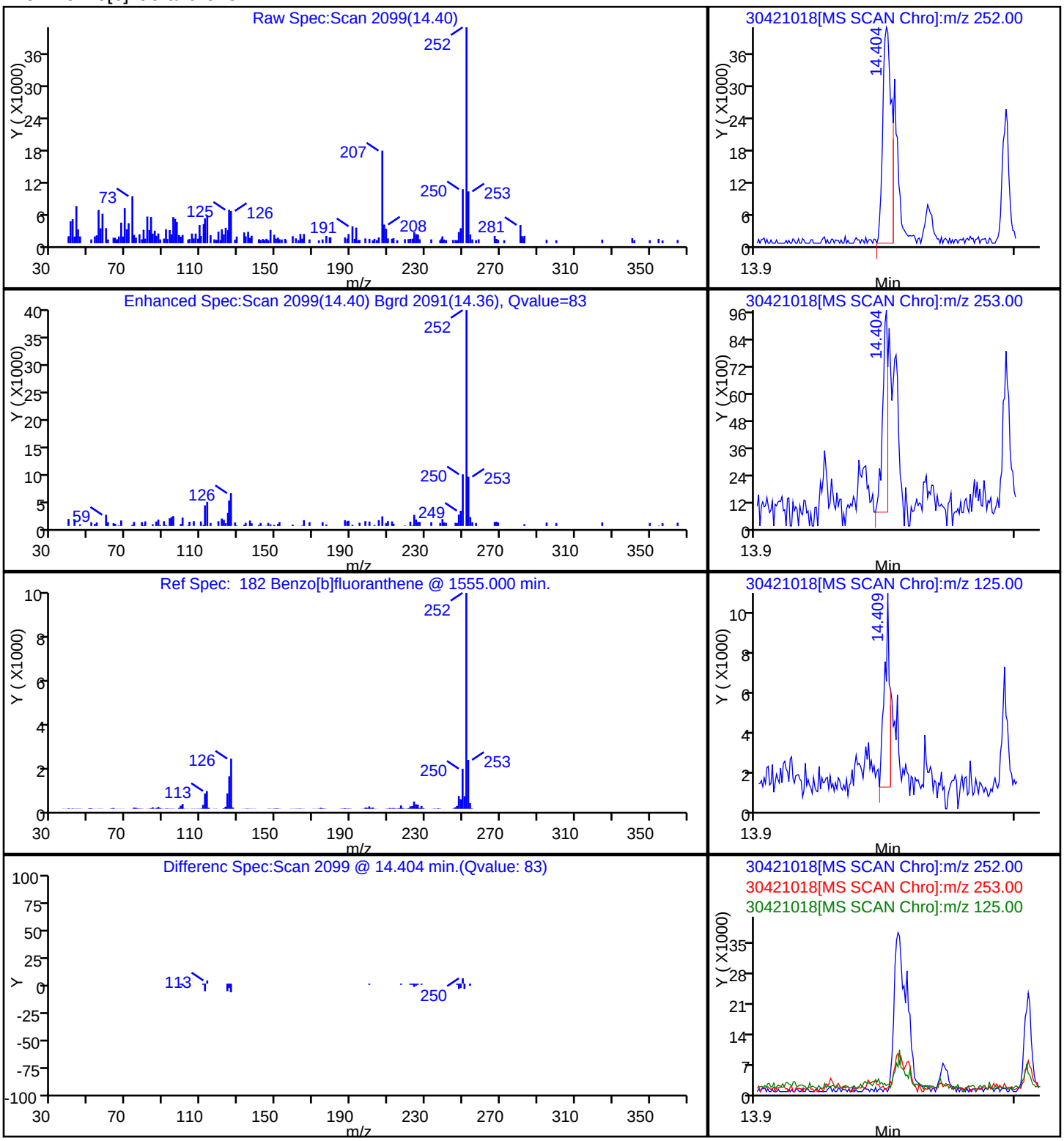
Report Date: 22-Apr-2013 08:55:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D

Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



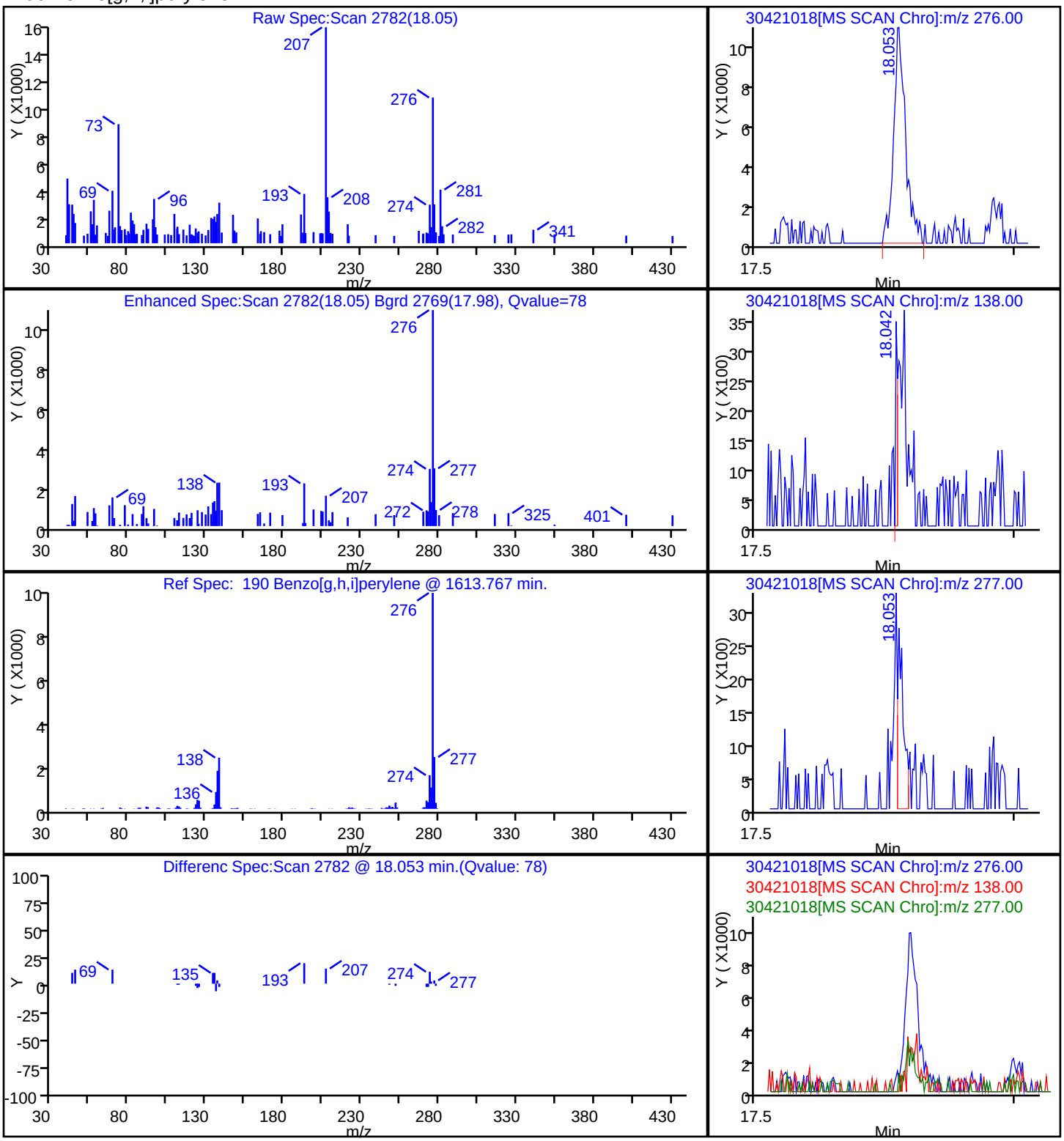
Report Date: 22-Apr-2013 08:55:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D

Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene



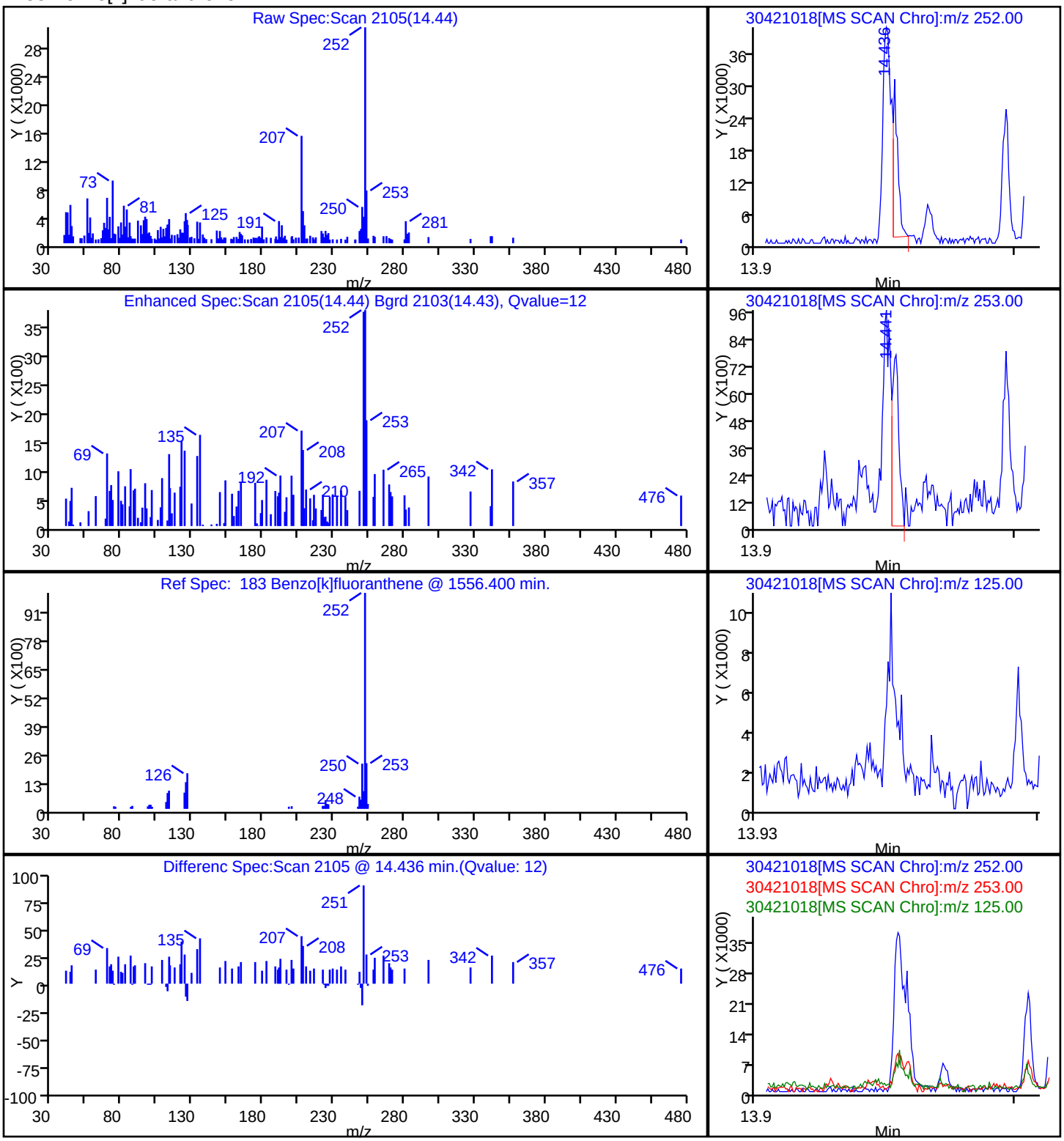
Report Date: 22-Apr-2013 08:55:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D

Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



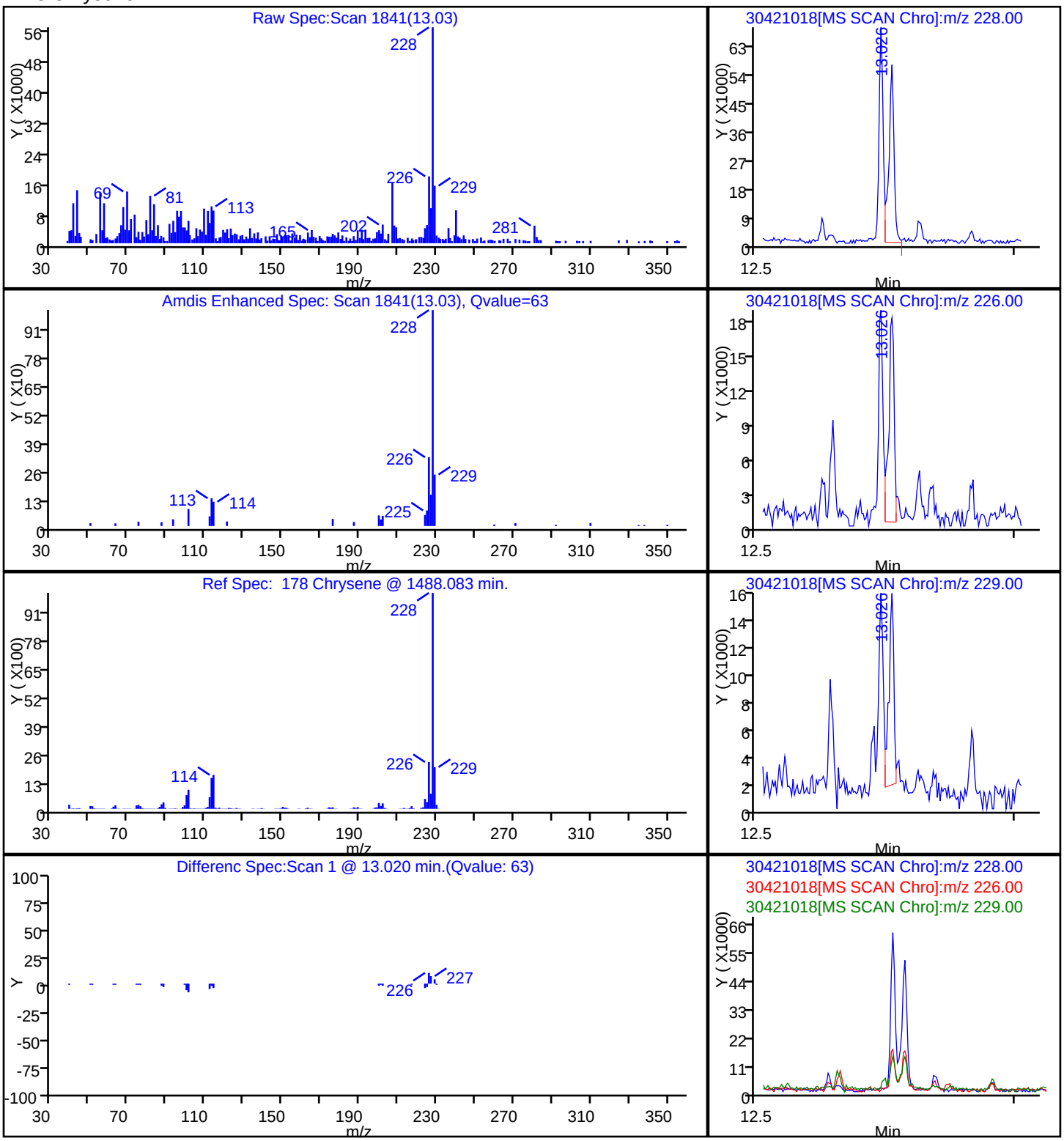
Report Date: 22-Apr-2013 08:55:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D

Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



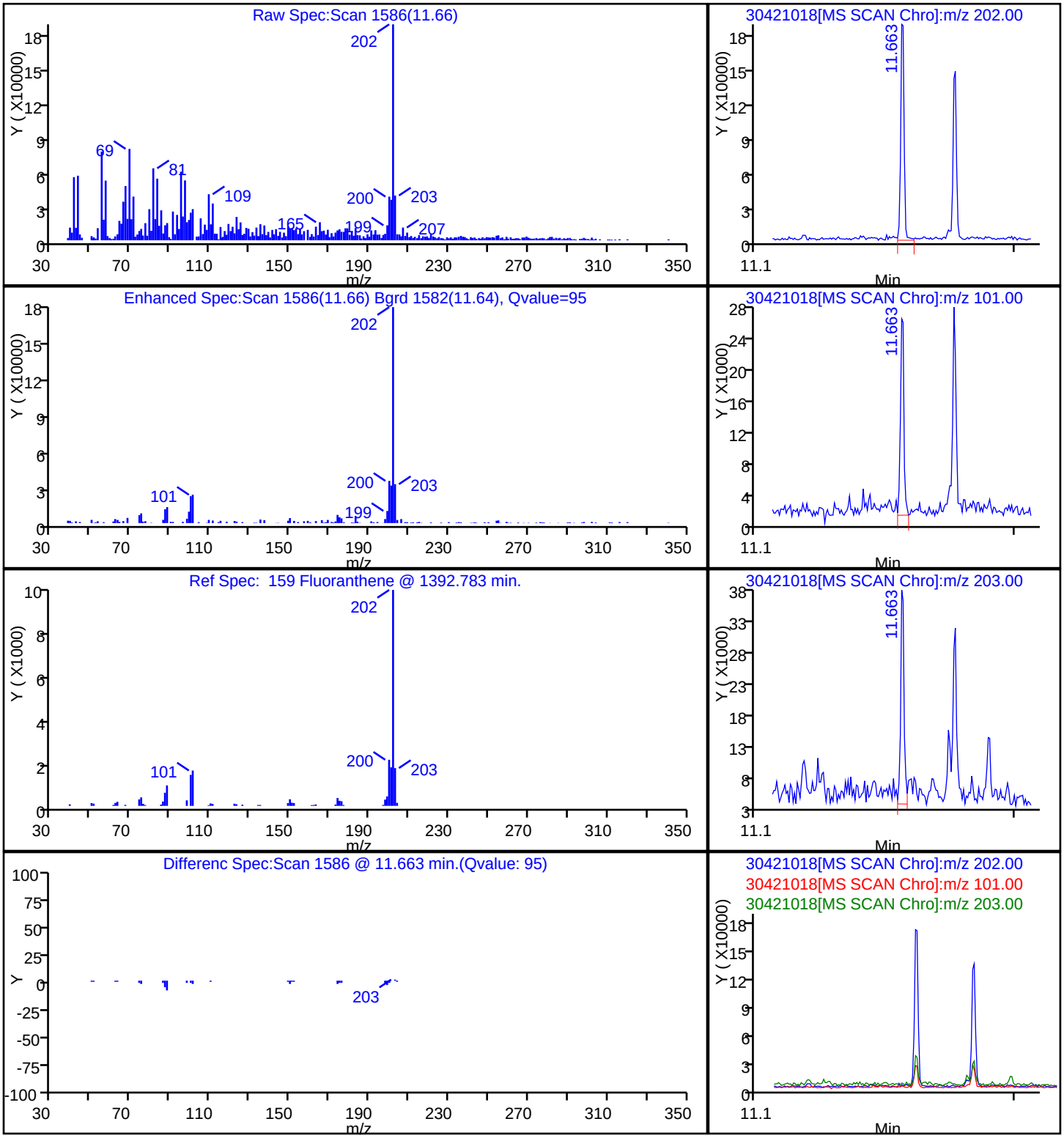
Report Date: 22-Apr-2013 08:55:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D

Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



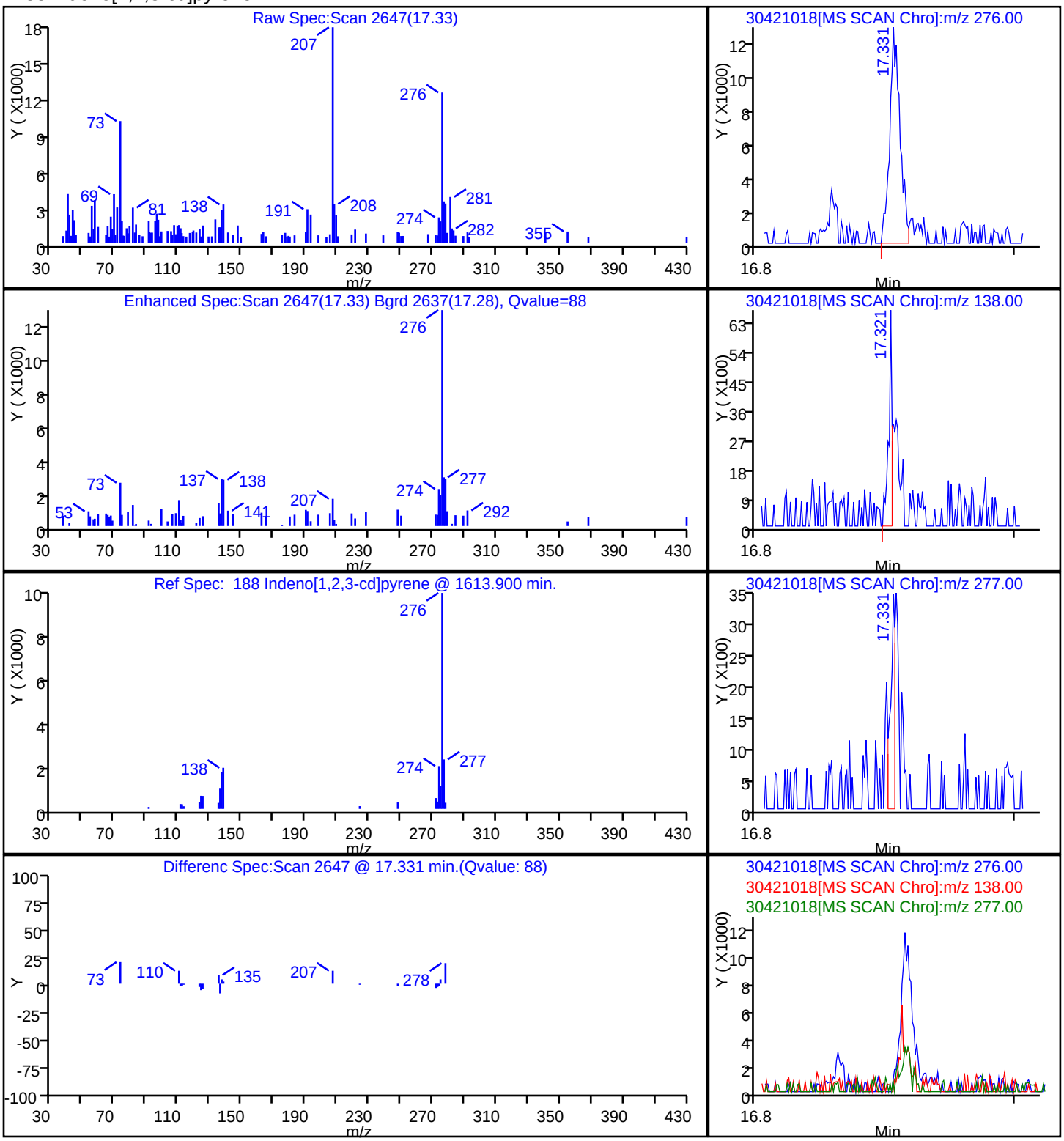
Report Date: 22-Apr-2013 08:55:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D

Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene



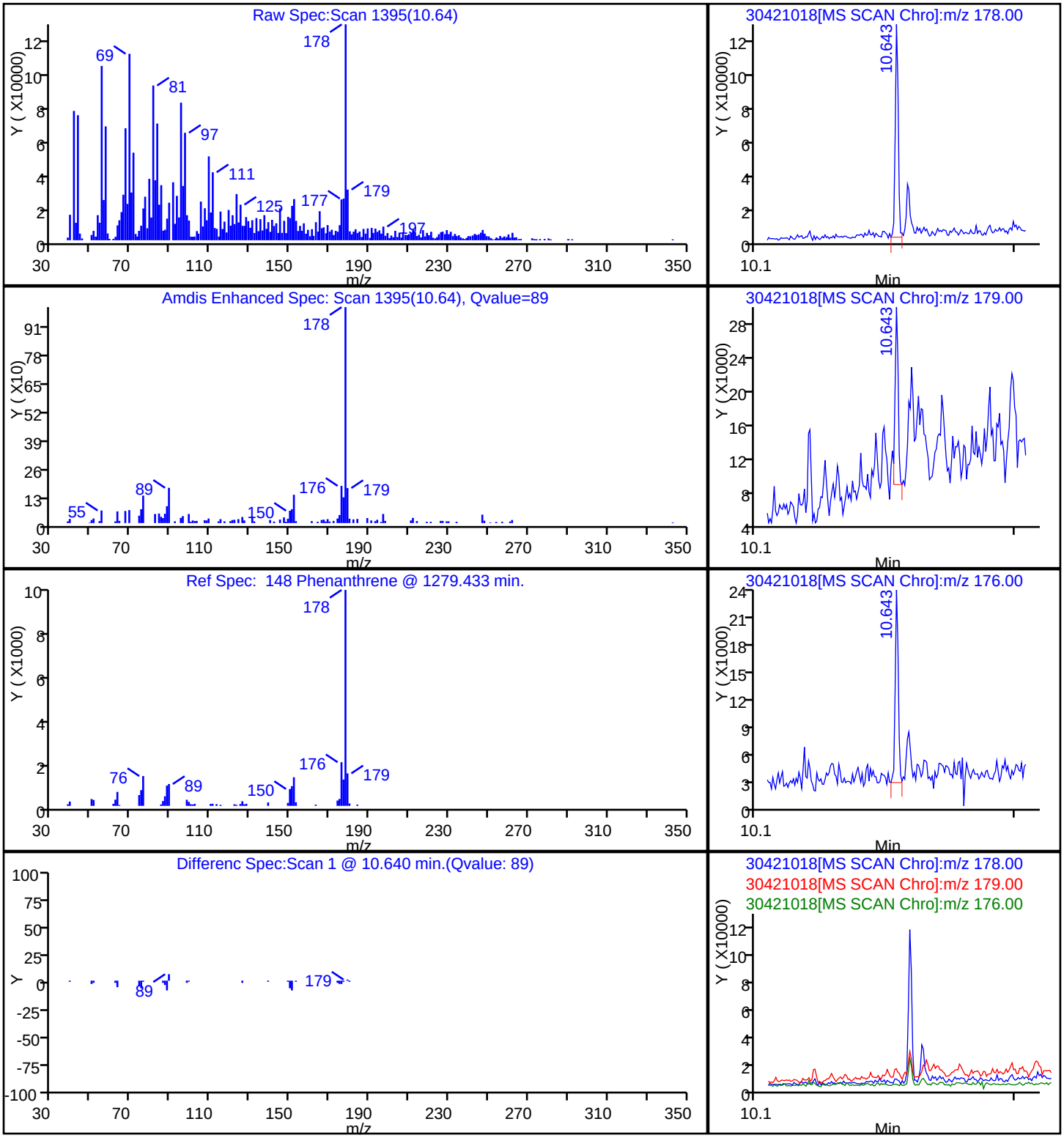
Report Date: 22-Apr-2013 08:55:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D

Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



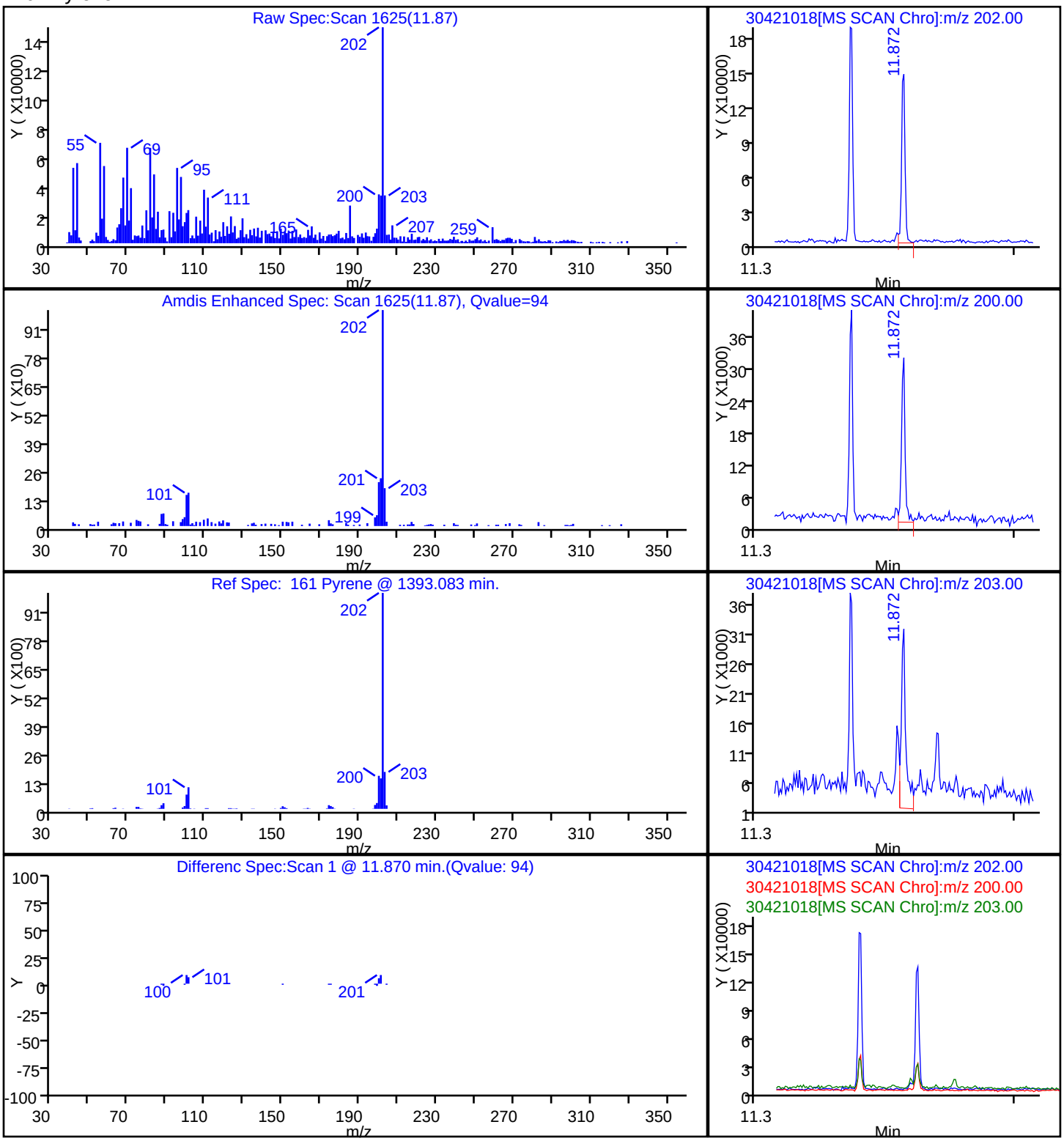
Report Date: 22-Apr-2013 08:55:50 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D

Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Pyrene



Manual Integration/User Assign Peak Report

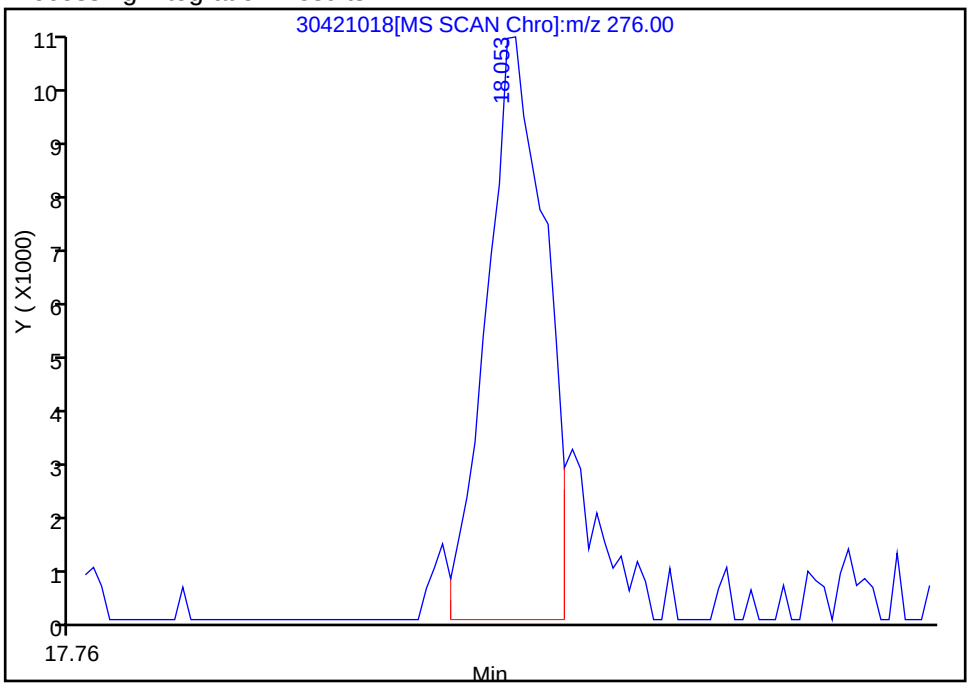
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421018.D		
Injection Date:	21-Apr-2013 18:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0025M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.07

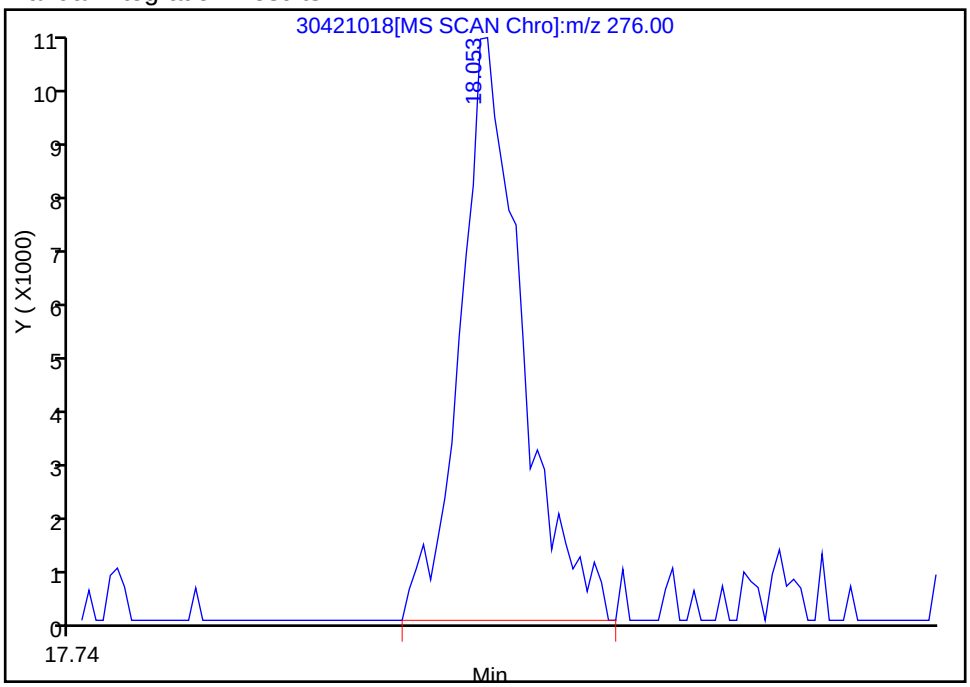
Processing Integration Results

RT: 18.05
Response: 27137
Amount: 0.143861



Manual Integration Results

RT: 18.05
Response: 32564
Amount: 0.172631



Reviewer: ulmanm, 22-Apr-2013 08:50:13
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0032-0001-SO | Lab Sample ID: 240-22663-39

Matrix: Solid | Lab File ID: 30421011.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:30

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.52(g) | Date Analyzed: 04/21/2013 15:16

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 12.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.8	U	7.7	3.8	3.8
208-96-8	Acenaphthylene	3.8	U	7.7	3.8	3.8
120-12-7	Anthracene	3.8	U	7.7	3.8	3.8
56-55-3	Benzo[a]anthracene	3.8	U	7.7	3.8	3.8
50-32-8	Benzo[a]pyrene	3.8	U	7.7	3.8	3.8
205-99-2	Benzo[b]fluoranthene	3.8	U	7.7	3.8	3.8
191-24-2	Benzo[g,h,i]perylene	3.8	U	7.7	3.8	3.8
65-85-0	Benzoic acid	390	U	770	390	390
207-08-9	Benzo[k]fluoranthene	3.8	U	7.7	3.8	3.8
100-51-6	Benzyl alcohol	31	U	380	31	24
111-91-1	Bis(2-chloroethoxy)methane	31	U	120	31	26
111-44-4	Bis(2-chloroethyl)ether	3.8	U	120	3.8	2.3
108-60-1	bis (2-chloroisopropyl) ether	31	U	120	31	11
117-81-7	Bis(2-ethylhexyl) phthalate	35	J	81	31	22
101-55-3	4-Bromophenyl phenyl ether	31	U	58	31	15
85-68-7	Butyl benzyl phthalate	31	U	81	31	12
86-74-8	Carbazole	31	U	58	31	31
106-47-8	4-Chloroaniline	31	U	170	31	20
59-50-7	4-Chloro-3-methylphenol	31	U	170	31	24
91-58-7	2-Chloronaphthalene	3.8	U	58	3.8	3.8
95-57-8	2-Chlorophenol	31	U	58	31	31
7005-72-3	4-Chlorophenyl phenyl ether	31	U	58	31	15
218-01-9	Chrysene	3.8	U	7.7	3.8	1.3
53-70-3	Dibenz(a,h)anthracene	3.8	U	7.7	3.8	3.8
132-64-9	Dibenzofuran	3.8	U	58	3.8	3.8
95-50-1	1,2-Dichlorobenzene	31	U	58	31	11
541-73-1	1,3-Dichlorobenzene	31	U	58	31	13
106-46-7	1,4-Dichlorobenzene	31	U	58	31	23
91-94-1	3,3'-Dichlorobenzidine	93	U	120	93	21
120-83-2	2,4-Dichlorophenol	31	U	170	31	23
84-66-2	Diethyl phthalate	31	U	81	31	19
105-67-9	2,4-Dimethylphenol	93	U	170	93	23
131-11-3	Dimethyl phthalate	31	U	81	31	20
84-74-2	Di-n-butyl phthalate	30	J	81	31	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0032-0001-SO | Lab Sample ID: 240-22663-39

Matrix: Solid | Lab File ID: 30421011.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:30

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.52(g) | Date Analyzed: 04/21/2013 15:16

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 12.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	93	U	170	93	93
51-28-5	2,4-Dinitrophenol	93	U	380	93	93
121-14-2	2,4-Dinitrotoluene	31	U	230	31	31
606-20-2	2,6-Dinitrotoluene	31	U	230	31	24
117-84-0	Di-n-octyl phthalate	31	U	81	31	31
206-44-0	Fluoranthene	3.8	U	7.7	3.8	3.8
86-73-7	Fluorene	3.8	U	7.7	3.8	3.8
118-74-1	Hexachlorobenzene	3.8	U	7.7	3.8	2.4
87-68-3	Hexachlorobutadiene	31	U	58	31	31
77-47-4	Hexachlorocyclopentadiene	31	U	380	31	31
67-72-1	Hexachloroethane	31	U	58	31	10
193-39-5	Indeno[1,2,3-cd]pyrene	3.8	U	7.7	3.8	3.8
78-59-1	Isophorone	31	U	58	31	15
91-57-6	2-Methylnaphthalene	3.8	U	7.7	3.8	3.8
95-48-7	2-Methylphenol	93	U	230	93	93
15831-10-4	3 & 4 Methylphenol	93	U	460	93	23
91-20-3	Naphthalene	3.8	U	7.7	3.8	3.8
88-74-4	2-Nitroaniline	31	U	230	31	11
99-09-2	3-Nitroaniline	93	U	230	93	19
100-01-6	4-Nitroaniline	31	U	230	31	30
98-95-3	Nitrobenzene	3.8	U	120	3.8	2.6
88-75-5	2-Nitrophenol	31	U	58	31	31
100-02-7	4-Nitrophenol	93	U	380	93	93
621-64-7	N-Nitrosodi-n-propylamine	31	U	58	31	31
86-30-6	N-Nitrosodiphenylamine	31	U	58	31	24
87-86-5	Pentachlorophenol	93	U	170	93	93
85-01-8	Phenanthrene	3.8	U	7.7	3.8	3.8
108-95-2	Phenol	31	U	58	31	31
129-00-0	Pyrene	3.8	U	7.7	3.8	3.8
120-82-1	1,2,4-Trichlorobenzene	31	U	58	31	31
95-95-4	2,4,5-Trichlorophenol	31	U	170	31	29
88-06-2	2,4,6-Trichlorophenol	93	U	170	93	93

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0032-0001-SO | Lab Sample ID: 240-22663-39

Matrix: Solid | Lab File ID: 30421011.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 15:30

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.52(g) | Date Analyzed: 04/21/2013 15:16

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 12.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	50		45-105
367-12-4	2-Fluorophenol (Surr)	51		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	46		35-100
4165-62-2	Phenol-d5 (Surr)	52		40-100
1718-51-0	Terphenyl-d14 (Surr)	58		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	61		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421011.D
Lims ID: 240-22663-C-39-B Client ID: 068SB-0032-0001-SO
Inject. Date: 21-Apr-2013 15:16:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019112-011
Misc. Info.: 240-22663-C-39-B =240-22663-C-39-B
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 82876 Lims Sample ID: 11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:37:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.736	6.734	0.002	96	165622	4.00	
* 2 Naphthalene-d8	136	7.841	7.845	-0.004	99	653725	4.00	
* 3 Acenaphthene-d10	164	9.348	9.352	-0.004	77	390556	4.00	
* 4 Phenanthrene-d10	188	10.625	10.623	0.002	96	663496	4.00	
* 5 Chrysene-d12	240	12.997	13.001	-0.004	77	770471	4.00	
* 6 Perylene-d12	264	15.053	15.057	-0.004	94	689367	4.00	
$ 7 2-Fluorophenol	112	5.550	5.532	0.018	94	513195	7.63	
$ 8 Phenol-d5	99	6.362	6.360	0.002	93	700297	7.75	
$ 9 Nitrobenzene-d5	82	7.200	7.204	-0.004	86	441061	4.58	
$ 10 2-Fluorobiphenyl (Surr)	172	8.734	8.738	-0.004	99	577867	4.97	
$ 11 2,4,6-Tribromophenol	330	10.021	10.020	0.001	91	116001	9.19	
$ 12 Terphenyl-d14	244	11.939	11.937	0.002	98	798806	5.79	
43 Phenol	94		6.371					9
69 Bis(2-chloroethyl)ether	93		6.462					9
46 2-Chlorophenol	128		6.553					
47 1,3-Dichlorobenzene	146		6.691					
48 1,4-Dichlorobenzene	146		6.750					
49 Benzyl alcohol	108		6.825					9
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					9
53 2,2'-oxybis[1-chloropropane]	45		6.937					
21 3 & 4 Methylphenol	108		7.028					
57 N-Nitrosodi-n-propylamine	70		7.044					9
61 Hexachloroethane	117		7.194					
62 Nitrobenzene	77		7.220					9
64 Isophorone	82		7.418					9
65 2,4-Dimethylphenol	107		7.493					
66 2-Nitrophenol	139		7.498					
71 Benzoic acid	122		7.546					9
70 Bis(2-chloroethoxy)methane	93		7.568					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.701					
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128		7.861					9
76 4-Chloroaniline	127		7.872					
79 Hexachlorobutadiene	225		7.958					
86 4-Chloro-3-methylphenol	107		8.262					
87 2-Methylnaphthalene	142		8.449					
89 Hexachlorocyclopentadiene	237		8.588					
92 2,4,6-Trichlorophenol	196		8.673					
93 2,4,5-Trichlorophenol	196		8.711					
100 2-Chloronaphthalene	162		8.871					
102 2-Nitroaniline	65		8.924					
105 Dimethyl phthalate	163		9.047					
107 2,6-Dinitrotoluene	165		9.111					9
109 Acenaphthylene	152		9.234					
110 3-Nitroaniline	138		9.272					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109		9.373					9
112 Acenaphthene	153		9.379					
114 2,4-Dinitrotoluene	165		9.464					
116 Dibenzofuran	168		9.523					
121 Diethyl phthalate	149		9.640					9
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					
126 Fluorene	166		9.817					
128 4,6-Dinitro-2-methylphenol	198		9.822					
131 N-Nitrosodiphenylamine	169		9.875					
139 4-Bromophenyl phenyl ether	248		10.201					
141 Hexachlorobenzene	284		10.303					
143 Pentachlorophenol	266		10.452					
148 Phenanthrene	178		10.645					9
149 Anthracene	178		10.687					9
151 Carbazole	167		10.800					
154 Di-n-butyl phthalate	149	11.015	11.013	0.002	81	14847	0.3932	
159 Fluoranthene	202		11.665					9
161 Pyrene	202		11.873					9
168 Butyl benzyl phthalate	149		12.311					
173 Bis(2-ethylhexyl) phthalate	149	12.831	12.830	0.001	91	47040	0.4532	
175 3,3'-Dichlorobenzidine	252		12.899					
177 Benzo[a]anthracene	228		12.985					9
178 Chrysene	228		13.027					9
180 Di-n-octyl phthalate	149		13.577					9
182 Benzo[b]fluoranthene	252		14.406					9
183 Benzo[k]fluoranthene	252		14.448					9
184 Benzo[a]pyrene	252		14.966					
189 Dibenz(a,h)anthracene	278		17.354					
188 Indeno[1,2,3-cd]pyrene	276		17.354					
190 Benzo[g,h,i]perylene	276		18.070					

QC Flag Legend

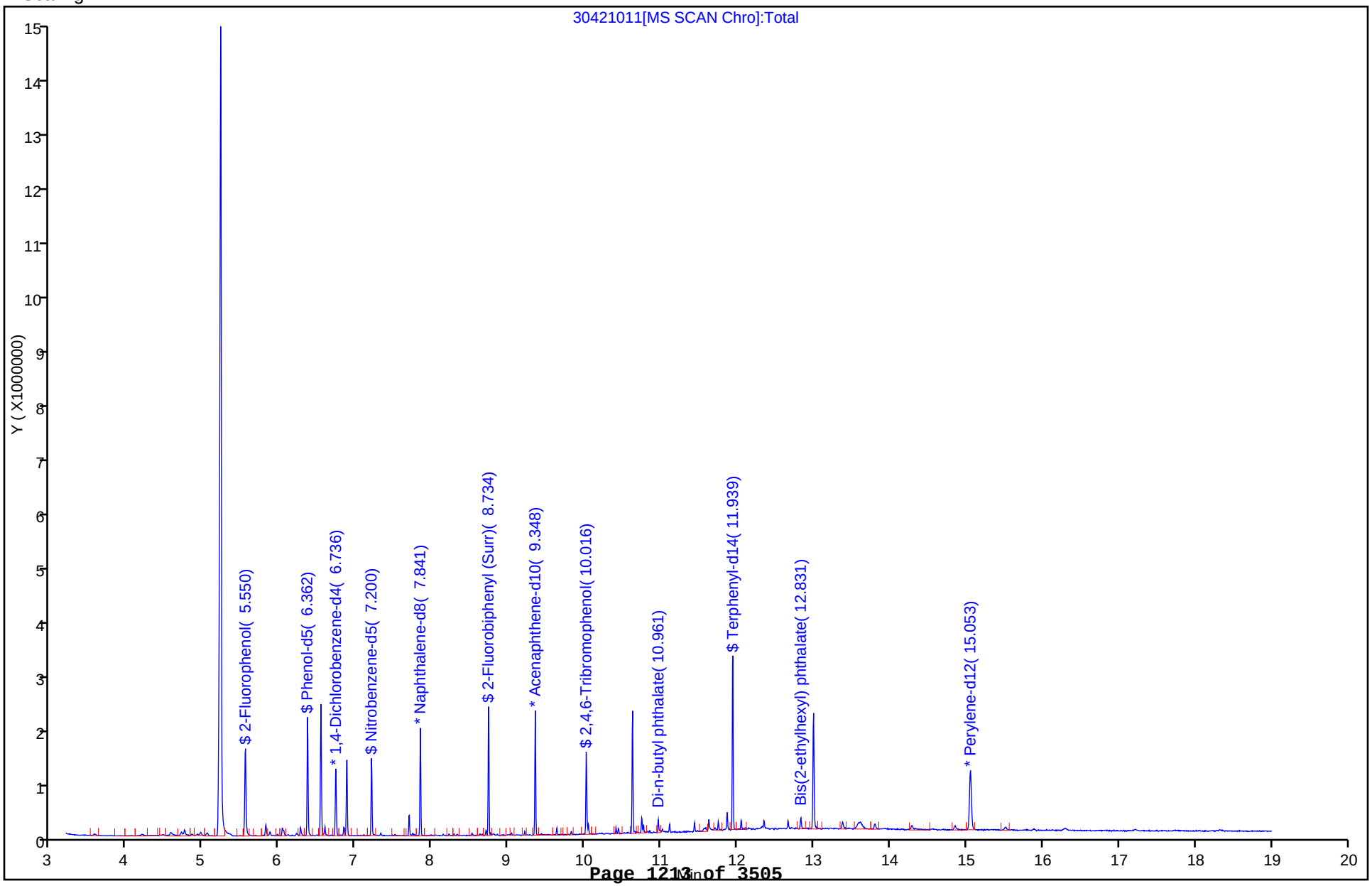
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 22-Apr-2013 08:55:44 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421011.D		
Injection Date:	21-Apr-2013 15:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0032-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



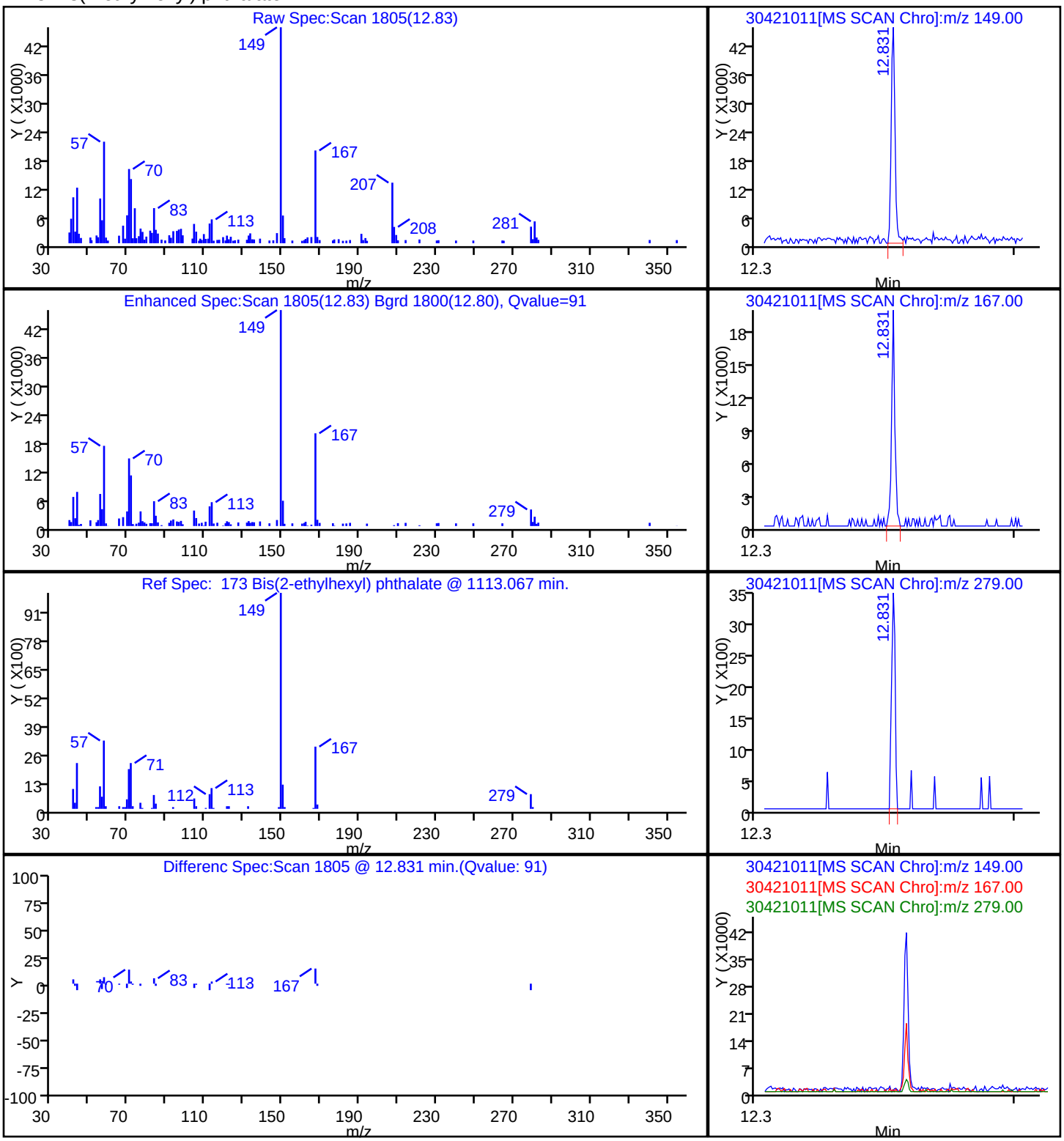
Report Date: 22-Apr-2013 08:55:44 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421011.D

Injection Date:	21-Apr-2013 15:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0032-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



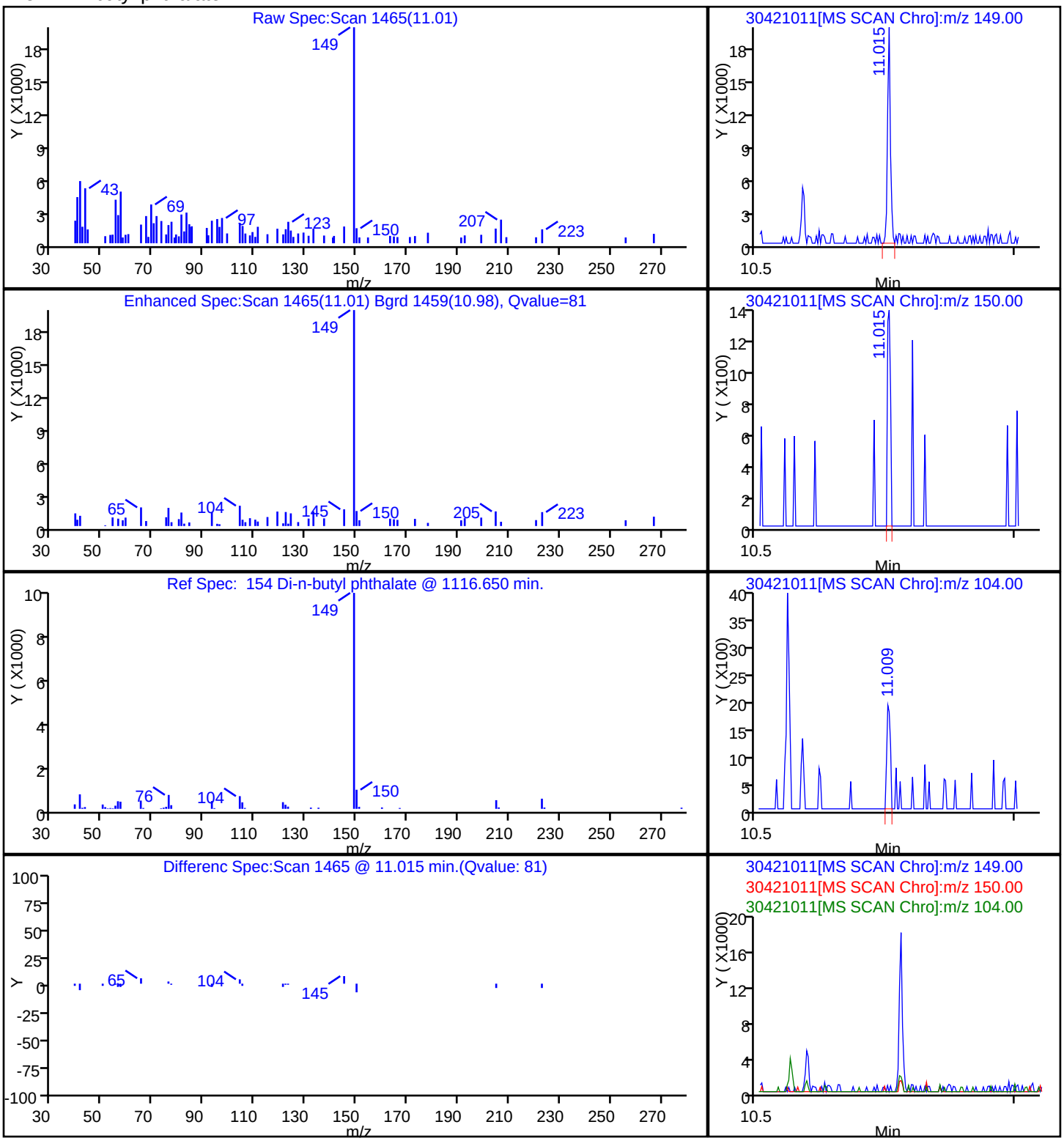
Report Date: 22-Apr-2013 08:55:44 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421011.D

Injection Date:	21-Apr-2013 15:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0032-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

154 Di-n-butyl phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0027M-0001-SO | Lab Sample ID: 240-22663-40

Matrix: Solid | Lab File ID: 30421010.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:00

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.02(g) | Date Analyzed: 04/21/2013 14:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.7	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.7	3.3	3.3
120-12-7	Anthracene	3.3	U	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U	6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	97		70	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	70	27	10
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	50	27	13
218-01-9	Chrysene	3.3	U	6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.7	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	50	27	9.7
541-73-1	1,3-Dichlorobenzene	27	U	50	27	11
106-46-7	1,4-Dichlorobenzene	27	U	50	27	20
91-94-1	3,3'-Dichlorobenzidine	80	U	100	80	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	70	27	16
105-67-9	2,4-Dimethylphenol	80	U	150	80	20
131-11-3	Dimethyl phthalate	27	U	70	27	17
84-74-2	Di-n-butyl phthalate	27	J M	70	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0027M-0001-SO | Lab Sample ID: 240-22663-40

Matrix: Solid | Lab File ID: 30421010.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:00

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.02(g) | Date Analyzed: 04/21/2013 14:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	80	U	150	80	80
51-28-5	2,4-Dinitrophenol	80	U	330	80	80
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	70	27	27
206-44-0	Fluoranthene	3.3	U	6.7	3.3	3.3
86-73-7	Fluorene	3.3	U	6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	5.5	J	6.7	3.3	3.3
95-48-7	2-Methylphenol	80	U	200	80	80
15831-10-4	3 & 4 Methylphenol	80	U	400	80	20
91-20-3	Naphthalene	7.3		6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.1
99-09-2	3-Nitroaniline	80	U	200	80	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	80	U	330	80	80
621-64-7	N-Nitrosodi-n-propylamine	27	U	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	50	27	21
87-86-5	Pentachlorophenol	80	U	150	80	80
85-01-8	Phenanthrene	3.3	U	6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	3.3	U	6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	80	U	150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0027M-0001-SO | Lab Sample ID: 240-22663-40

Matrix: Solid | Lab File ID: 30421010.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:00

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.02(g) | Date Analyzed: 04/21/2013 14:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	50		45-105
367-12-4	2-Fluorophenol (Surr)	51		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	45		35-100
4165-62-2	Phenol-d5 (Surr)	52		40-100
1718-51-0	Terphenyl-d14 (Surr)	54		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	62		35-125

Report Date: 22-Apr-2013 08:55:44 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421010.D
Lims ID: 240-22663-C-40-C Client ID: 068SB-0027M-0001-SO
Inject. Date: 21-Apr-2013 14:50:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019112-010
Misc. Info.: 240-22663-C-40-C =240-22663-C-40-C
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 82876 Lims Sample ID: 10
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:36:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.740	6.734	0.006	94	193351	4.00	
* 2 Naphthalene-d8	136	7.846	7.845	0.001	99	793100	4.00	
* 3 Acenaphthene-d10	164	9.347	9.352	-0.005	80	473254	4.00	
* 4 Phenanthrene-d10	188	10.624	10.623	0.001	97	711555	4.00	
* 5 Chrysene-d12	240	12.995	13.001	-0.006	81	940345	4.00	
* 6 Perylene-d12	264	15.052	15.057	-0.005	82	840024	4.00	
$ 7 2-Fluorophenol	112	5.597	5.532	0.065	91	598624	7.62	
$ 8 Phenol-d5	99	6.371	6.360	0.011	92	824330	7.81	
$ 9 Nitrobenzene-d5	82	7.205	7.204	0.001	86	522167	4.47	
$ 10 2-Fluorobiphenyl (Surr)	172	8.738	8.738	0.0	99	702674	4.99	
$ 11 2,4,6-Tribromophenol	330	10.020	10.020	0.0	90	141181	9.23	
$ 12 Terphenyl-d14	244	11.938	11.937	0.001	98	914032	5.42	
43 Phenol	94		6.371					9
69 Bis(2-chloroethyl)ether	93		6.462					9
46 2-Chlorophenol	128		6.553					
47 1,3-Dichlorobenzene	146		6.691					9
48 1,4-Dichlorobenzene	146		6.750					9
49 Benzyl alcohol	108		6.825					
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					
53 2,2'-oxybis[1-chloropropane]	45		6.937					9
21 3 & 4 Methylphenol	108		7.028					
57 N-Nitrosodi-n-propylamine	70		7.044					9
61 Hexachloroethane	117		7.194					
62 Nitrobenzene	77		7.220					
64 Isophorone	82		7.418					
65 2,4-Dimethylphenol	107		7.493					9
66 2-Nitrophenol	139		7.498					9
71 Benzoic acid	122		7.546					9
70 Bis(2-chloroethoxy)methane	93		7.568					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.701					9
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128	7.862	7.861	0.001	56	20967	0.1093	
76 4-Chloroaniline	127		7.872					9
79 Hexachlorobutadiene	225		7.958					
86 4-Chloro-3-methylphenol	107		8.262					9
87 2-Methylnaphthalene	142	8.449	8.449	0.0	67	9981	0.0825	
89 Hexachlorocyclopentadiene	237		8.588					
92 2,4,6-Trichlorophenol	196		8.673					9
93 2,4,5-Trichlorophenol	196		8.711					9
100 2-Chloronaphthalene	162		8.871					9
102 2-Nitroaniline	65		8.924					
105 Dimethyl phthalate	163		9.047					9
107 2,6-Dinitrotoluene	165		9.111					
109 Acenaphthylene	152		9.234					
110 3-Nitroaniline	138		9.272					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109		9.373					
112 Acenaphthene	153		9.379					
114 2,4-Dinitrotoluene	165		9.464					
116 Dibenzofuran	168		9.523					9
121 Diethyl phthalate	149		9.640					
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					
126 Fluorene	166		9.817					
128 4,6-Dinitro-2-methylphenol	198		9.822					9
131 N-Nitrosodiphenylamine	169		9.875					9
139 4-Bromophenyl phenyl ether	248		10.201					
141 Hexachlorobenzene	284		10.303					
143 Pentachlorophenol	266		10.452					
148 Phenanthrene	178		10.645					9
149 Anthracene	178		10.687					9
151 Carbazole	167		10.800					
154 Di-n-butyl phthalate	149	11.013	11.013	0.0	65	19702	0.4103	M
159 Fluoranthene	202		11.665					
161 Pyrene	202		11.873					
168 Butyl benzyl phthalate	149		12.311					9
173 Bis(2-ethylhexyl) phthalate	149	12.830	12.830	0.0	96	184106	1.45	
175 3,3'-Dichlorobenzidine	252		12.899					9
177 Benzo[a]anthracene	228		12.985					9
178 Chrysene	228		13.027					9
180 Di-n-octyl phthalate	149		13.577					
182 Benzo[b]fluoranthene	252		14.406					
183 Benzo[k]fluoranthene	252		14.448					
184 Benzo[a]pyrene	252		14.966					
189 Dibenz(a,h)anthracene	278		17.354					
188 Indeno[1,2,3-cd]pyrene	276		17.354					9
190 Benzo[g,h,i]perylene	276		18.070					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

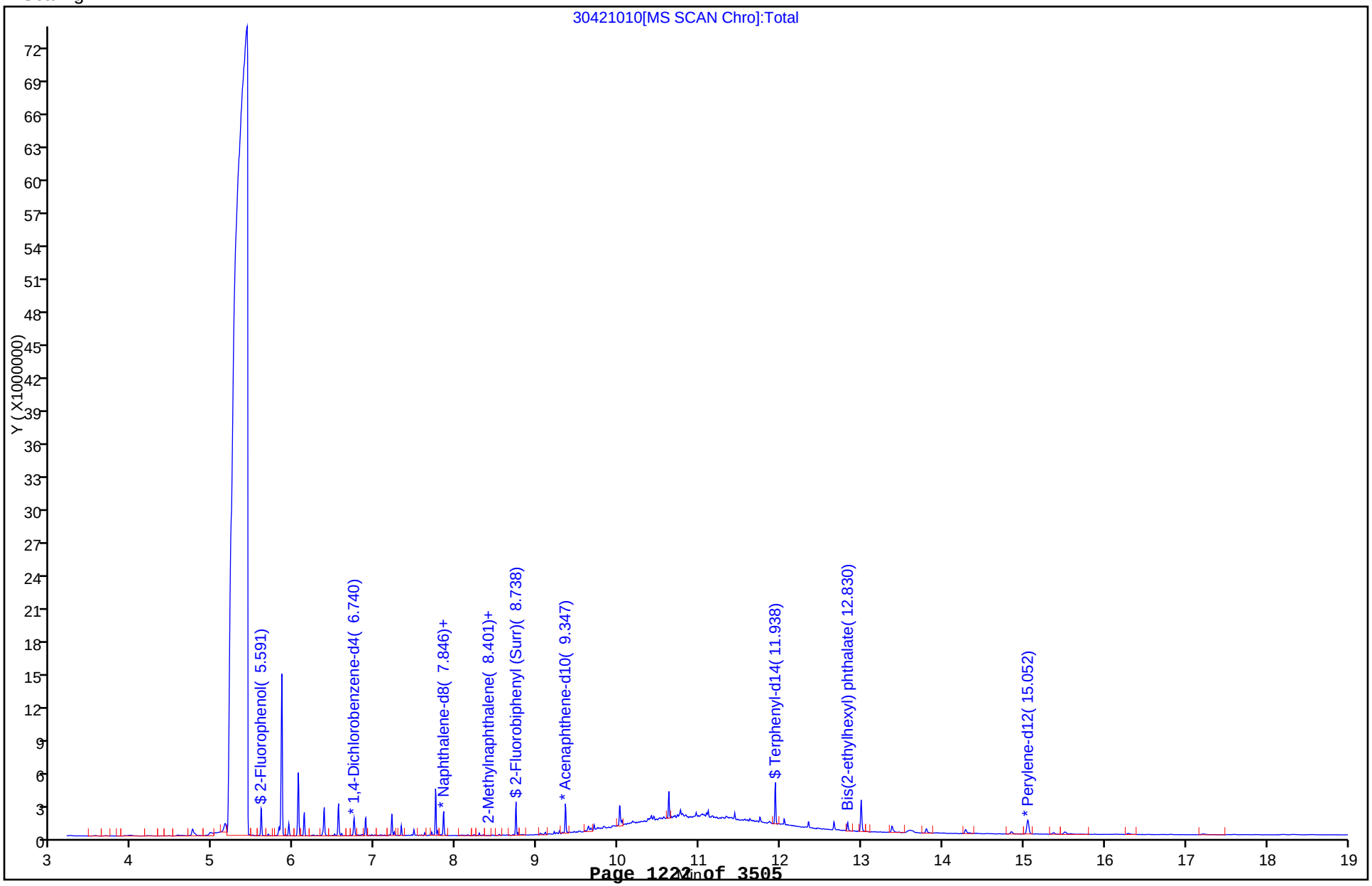
Review Flags
M - Manually Integrated

Report Date: 22-Apr-2013 08:55:44 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421010.D		
Injection Date:	21-Apr-2013 14:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0027M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



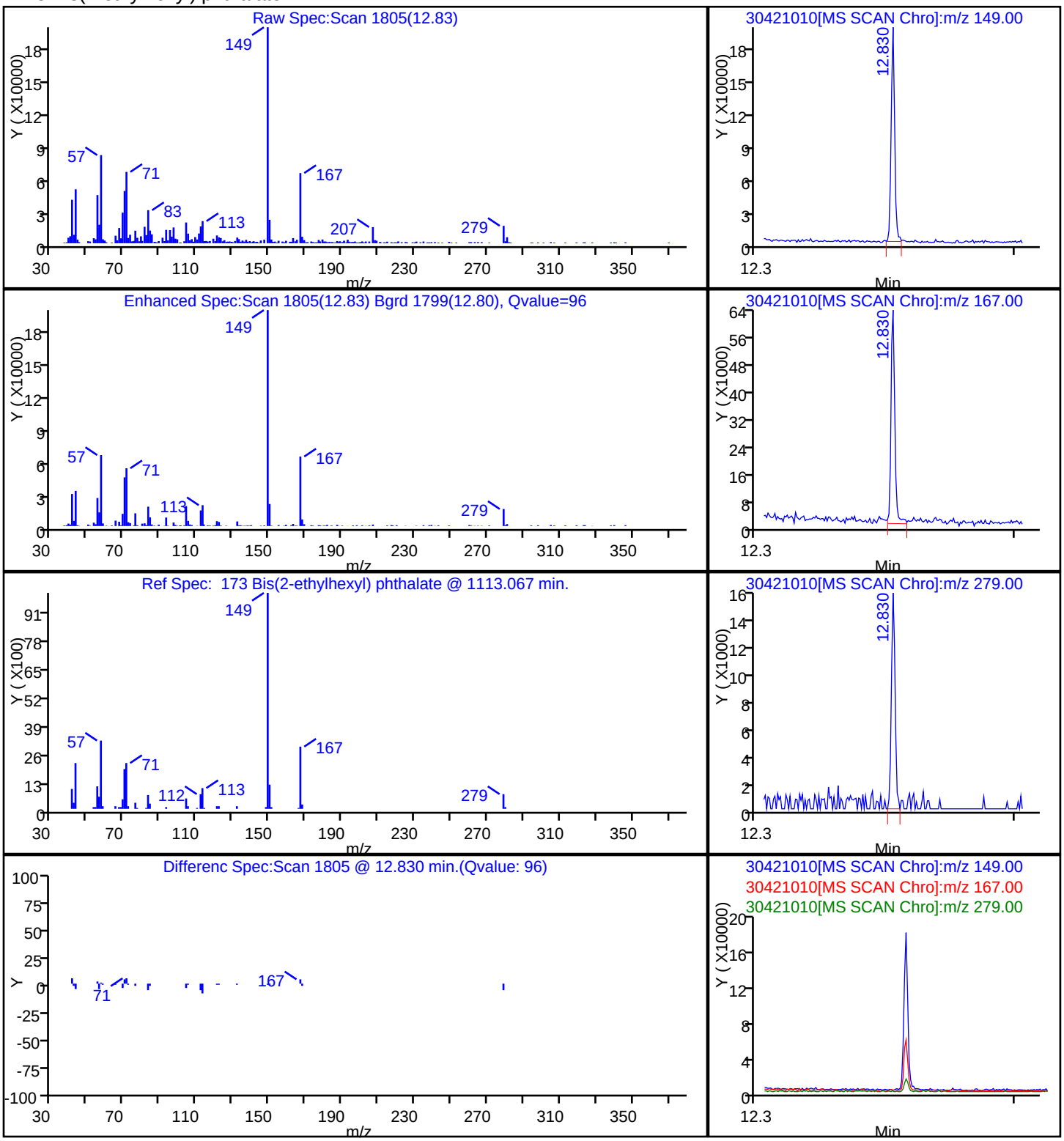
Report Date: 22-Apr-2013 08:55:44 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421010.D

Injection Date:	21-Apr-2013 14:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0027M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



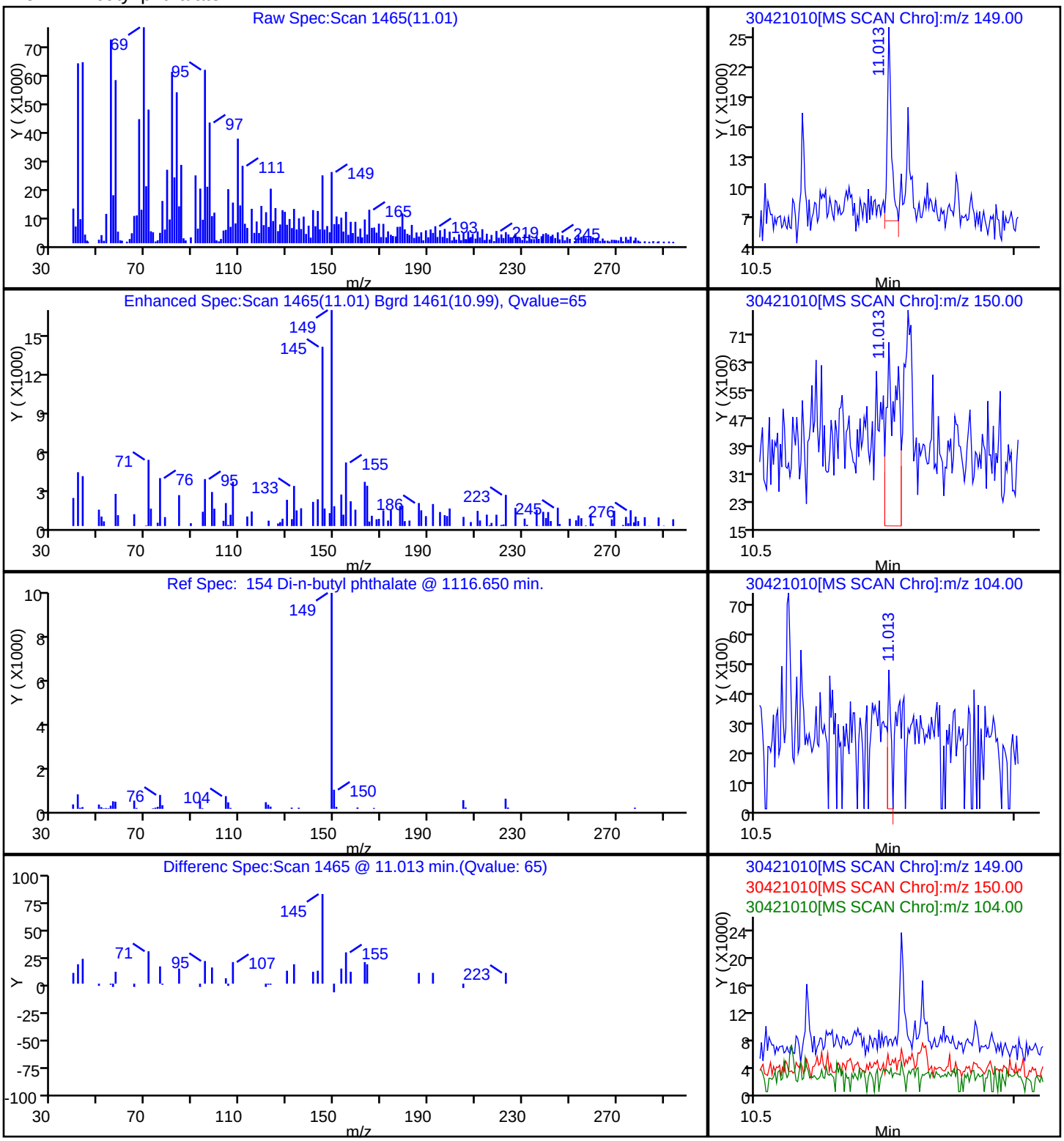
Report Date: 22-Apr-2013 08:55:44 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421010.D

Injection Date:	21-Apr-2013 14:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0027M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

154 Di-n-butyl phthalate



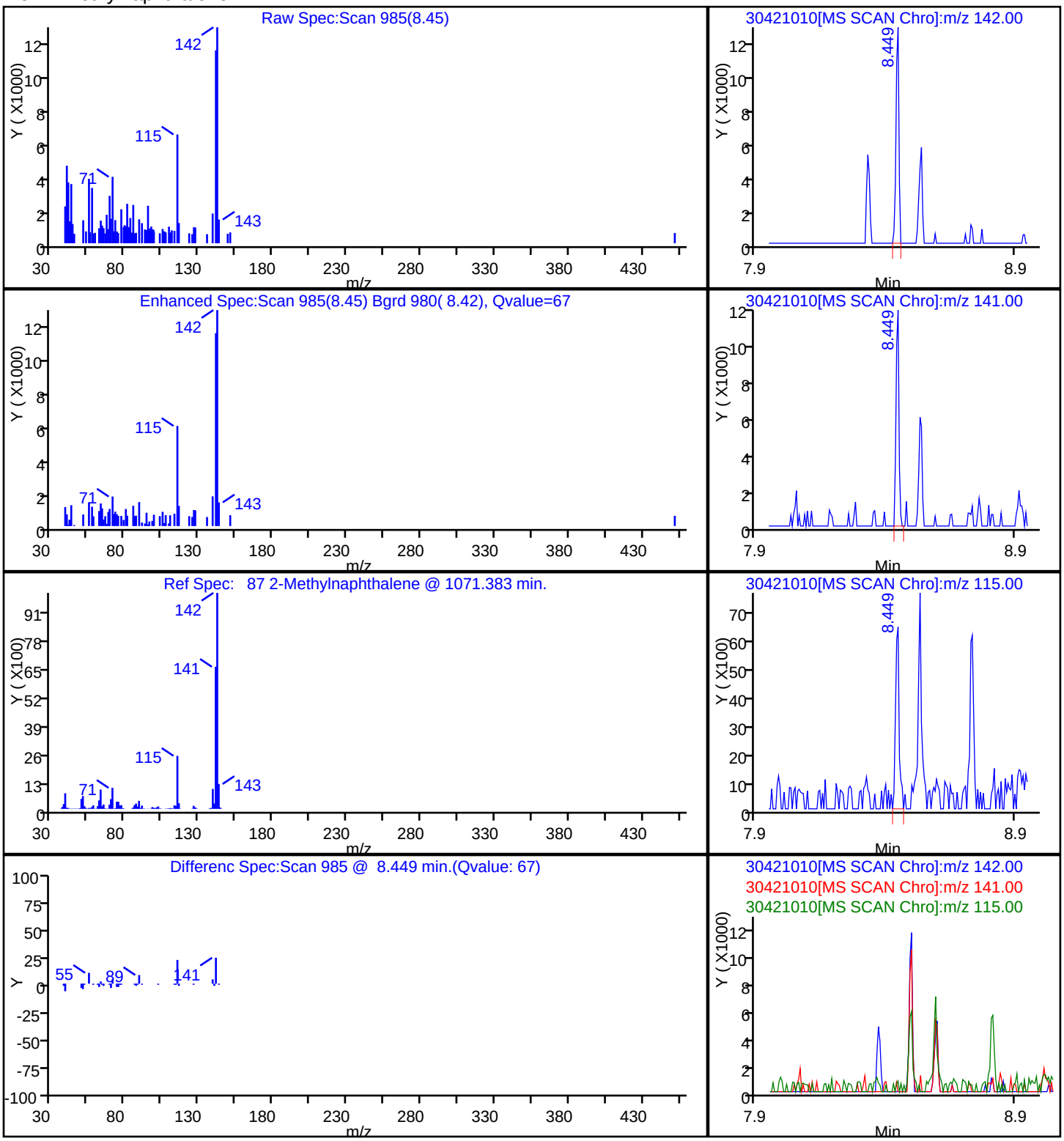
Report Date: 22-Apr-2013 08:55:44 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421010.D

Injection Date:	21-Apr-2013 14:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0027M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene



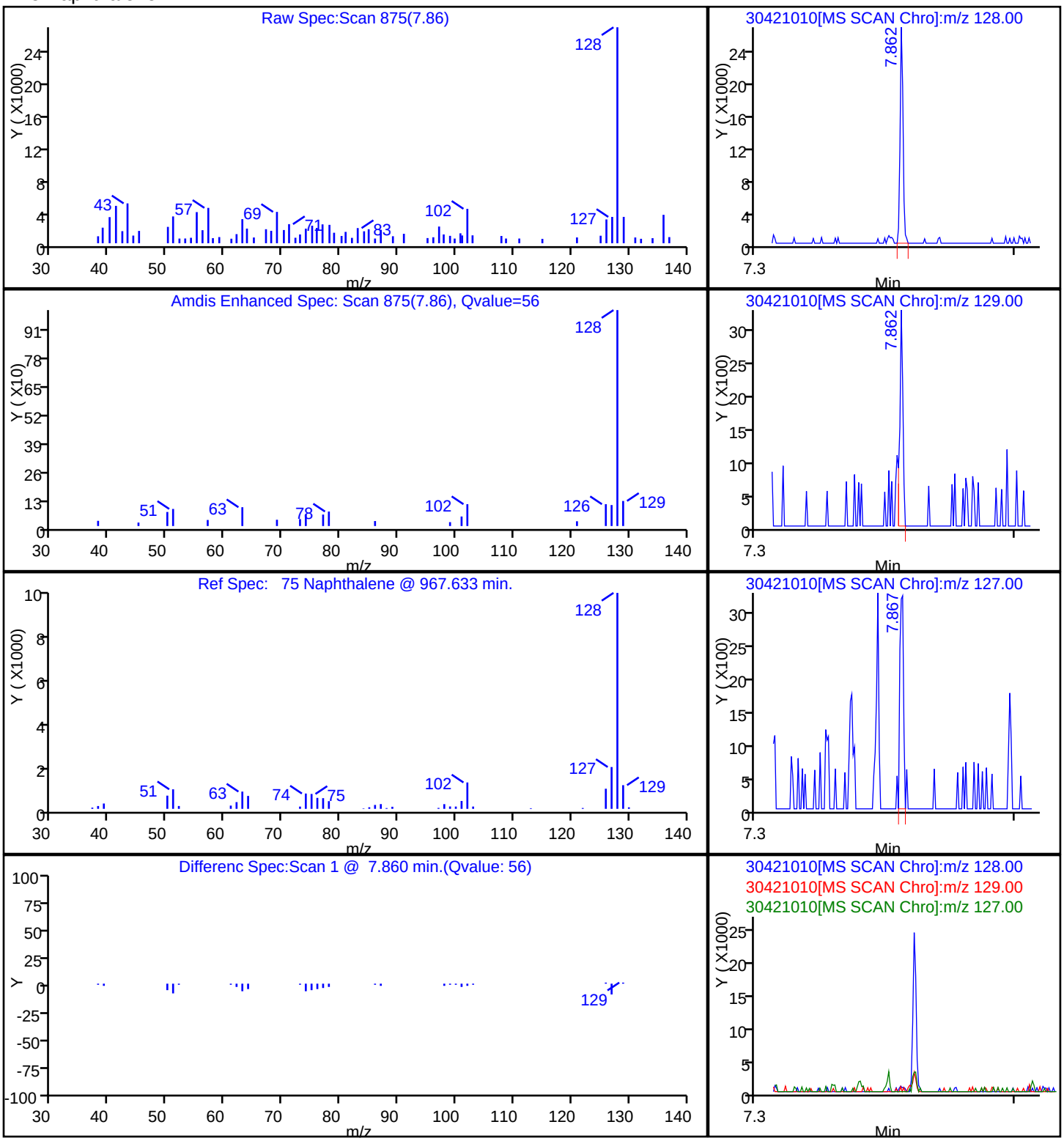
Report Date: 22-Apr-2013 08:55:44 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421010.D

Injection Date:	21-Apr-2013 14:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0027M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



Manual Integration/User Assign Peak Report

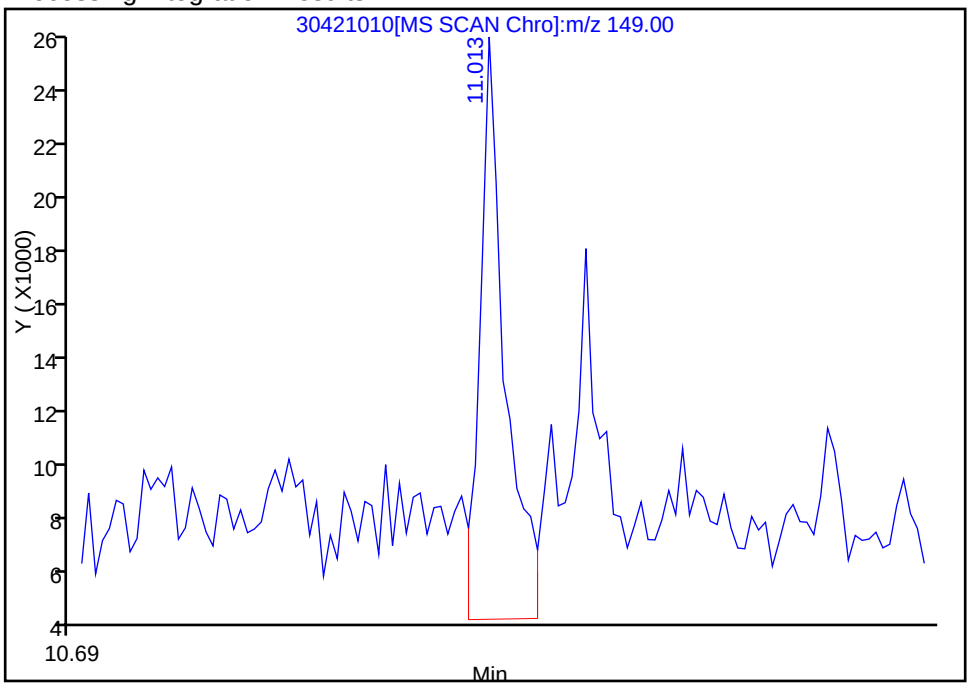
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421010.D		
Injection Date:	21-Apr-2013 14:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0027M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

154 Di-n-butyl phthalate, Signal: 1, m/z: 149.0 Type: quant, RT: 11.01

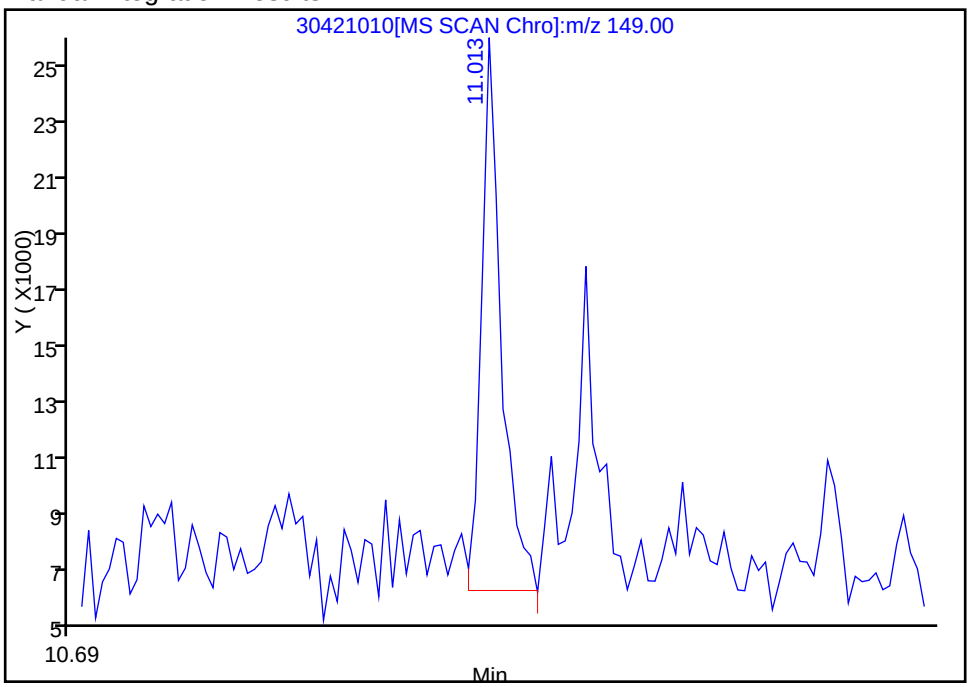
Processing Integration Results

RT: 11.01
Response: 28701
Amount: 0.450805



Manual Integration Results

RT: 11.01
Response: 19702
Amount: 0.410272



Reviewer: ulmanm, 22-Apr-2013 08:36:54
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0028M-0001-SO | Lab Sample ID: 240-22663-41

Matrix: Solid | Lab File ID: 30421012.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:02

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.09(g) | Date Analyzed: 04/21/2013 15:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.7	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.7	3.3	3.3
120-12-7	Anthracene	3.3	U	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	5.5	J	6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	4.3	J	6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	14		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	6.8	M	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	110		70	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	70	27	10
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	50	27	13
218-01-9	Chrysene	11		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.7	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	50	27	9.7
541-73-1	1,3-Dichlorobenzene	27	U	50	27	11
106-46-7	1,4-Dichlorobenzene	27	U	50	27	20
91-94-1	3,3'-Dichlorobenzidine	80	U	100	80	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	70	27	16
105-67-9	2,4-Dimethylphenol	80	U	150	80	20
131-11-3	Dimethyl phthalate	27	U	70	27	17
84-74-2	Di-n-butyl phthalate	27	U	70	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0028M-0001-SO | Lab Sample ID: 240-22663-41

Matrix: Solid | Lab File ID: 30421012.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:02

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.09(g) | Date Analyzed: 04/21/2013 15:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	80	U	150	80	80
51-28-5	2,4-Dinitrophenol	80	U	330	80	80
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	70	27	27
206-44-0	Fluoranthene	17		6.7	3.3	3.3
86-73-7	Fluorene	3.3	U	6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	7.3		6.7	3.3	3.3
95-48-7	2-Methylphenol	80	U	200	80	80
15831-10-4	3 & 4 Methylphenol	80	U	400	80	20
91-20-3	Naphthalene	8.0		6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.1
99-09-2	3-Nitroaniline	80	U	200	80	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	80	U	330	80	80
621-64-7	N-Nitrosodi-n-propylamine	27	U	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	50	27	21
87-86-5	Pentachlorophenol	80	U	150	80	80
85-01-8	Phenanthrene	9.6		6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	15		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	80	U	150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0028M-0001-SO | Lab Sample ID: 240-22663-41

Matrix: Solid | Lab File ID: 30421012.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:02

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.09(g) | Date Analyzed: 04/21/2013 15:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	75		45-105
367-12-4	2-Fluorophenol (Surr)	71		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	63		35-100
4165-62-2	Phenol-d5 (Surr)	73		40-100
1718-51-0	Terphenyl-d14 (Surr)	63		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	86		35-125

Report Date: 22-Apr-2013 08:55:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D
Lims ID: 240-22663-C-41-C Client ID: 068SB-0028M-0001-SO
Inject. Date: 21-Apr-2013 15:42:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019112-012
Misc. Info.: 240-22663-C-41-C =240-22663-C-41-C
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 82876 Lims Sample ID: 12
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:38:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.740	6.734	0.006	93	184206	4.00	
* 2 Naphthalene-d8	136	7.846	7.845	0.001	99	755578	4.00	
* 3 Acenaphthene-d10	164	9.347	9.352	-0.005	80	410014	4.00	
* 4 Phenanthrene-d10	188	10.624	10.623	0.001	96	736359	4.00	
* 5 Chrysene-d12	240	12.996	13.001	-0.005	80	878080	4.00	
* 6 Perylene-d12	264	15.053	15.057	-0.004	97	806303	4.00	
$ 7 2-Fluorophenol	112	5.603	5.532	0.071	93	800977	10.7	
$ 8 Phenol-d5	99	6.377	6.360	0.017	92	1105010	11.0	
$ 9 Nitrobenzene-d5	82	7.205	7.204	0.001	86	701028	6.29	
$ 10 2-Fluorobiphenyl (Surr)	172	8.738	8.738	0.0	99	914371	7.49	
$ 11 2,4,6-Tribromophenol	330	10.020	10.020	0.0	90	170242	12.8	
$ 12 Terphenyl-d14	244	11.938	11.937	0.001	98	995429	6.33	
43 Phenol	94		6.371					9
69 Bis(2-chloroethyl)ether	93		6.462					9
46 2-Chlorophenol	128		6.553					
47 1,3-Dichlorobenzene	146		6.691					9
48 1,4-Dichlorobenzene	146		6.750					9
49 Benzyl alcohol	108		6.825					
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					9
53 2,2'-oxybis[1-chloropropane]	45		6.937					
21 3 & 4 Methylphenol	108		7.028					
57 N-Nitrosodi-n-propylamine	70		7.044					
61 Hexachloroethane	117		7.194					
62 Nitrobenzene	77		7.220					9
64 Isophorone	82		7.418					
65 2,4-Dimethylphenol	107		7.493					9
66 2-Nitrophenol	139		7.498					9
71 Benzoic acid	122		7.546					9
70 Bis(2-chloroethoxy)methane	93		7.568					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.701					9
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128	7.862	7.861	0.001	72	21988	0.1203	
76 4-Chloroaniline	127		7.872					9
79 Hexachlorobutadiene	225		7.958					
86 4-Chloro-3-methylphenol	107		8.262					9
87 2-Methylnaphthalene	142	8.450	8.449	0.001	74	12642	0.1097	
89 Hexachlorocyclopentadiene	237		8.588					
92 2,4,6-Trichlorophenol	196		8.673					9
93 2,4,5-Trichlorophenol	196		8.711					9
100 2-Chloronaphthalene	162		8.871					9
102 2-Nitroaniline	65		8.924					
105 Dimethyl phthalate	163		9.047					
107 2,6-Dinitrotoluene	165		9.111					
109 Acenaphthylene	152		9.234					
110 3-Nitroaniline	138		9.272					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109		9.373					
112 Acenaphthene	153		9.379					
114 2,4-Dinitrotoluene	165		9.464					9
116 Dibenzofuran	168		9.523					
121 Diethyl phthalate	149		9.640					
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					
126 Fluorene	166		9.817					
128 4,6-Dinitro-2-methylphenol	198		9.822					9
131 N-Nitrosodiphenylamine	169		9.875					9
139 4-Bromophenyl phenyl ether	248		10.201					
141 Hexachlorobenzene	284		10.303					
143 Pentachlorophenol	266		10.452					
148 Phenanthrene	178	10.646	10.645	0.001	41	26279	0.1446	
149 Anthracene	178		10.687					
151 Carbazole	167		10.800					
154 Di-n-butyl phthalate	149		11.013					
159 Fluoranthene	202	11.666	11.665	0.001	88	50121	0.2605	
161 Pyrene	202	11.869	11.873	-0.004	88	42449	0.2190	
168 Butyl benzyl phthalate	149		12.311					
173 Bis(2-ethylhexyl) phthalate	149	12.830	12.830	0.0	93	194344	1.64	
175 3,3'-Dichlorobenzidine	252		12.899					
177 Benzo[a]anthracene	228	12.985	12.985	0.001	44	17097	0.0824	
178 Chrysene	228	13.023	13.027	-0.004	57	32681	0.1636	
180 Di-n-octyl phthalate	149		13.577					
182 Benzo[b]fluoranthene	252	14.401	14.406	-0.005	88	42547	0.2042	
183 Benzo[k]fluoranthene	252	14.428	14.448	-0.020	94	24235	0.1025	M
184 Benzo[a]pyrene	252	14.962	14.966	-0.004	49	13256	0.0649	
189 Dibenz(a,h)anthracene	278		17.354					9
188 Indeno[1,2,3-cd]pyrene	276		17.354					9
190 Benzo[g,h,i]perylene	276		18.070					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

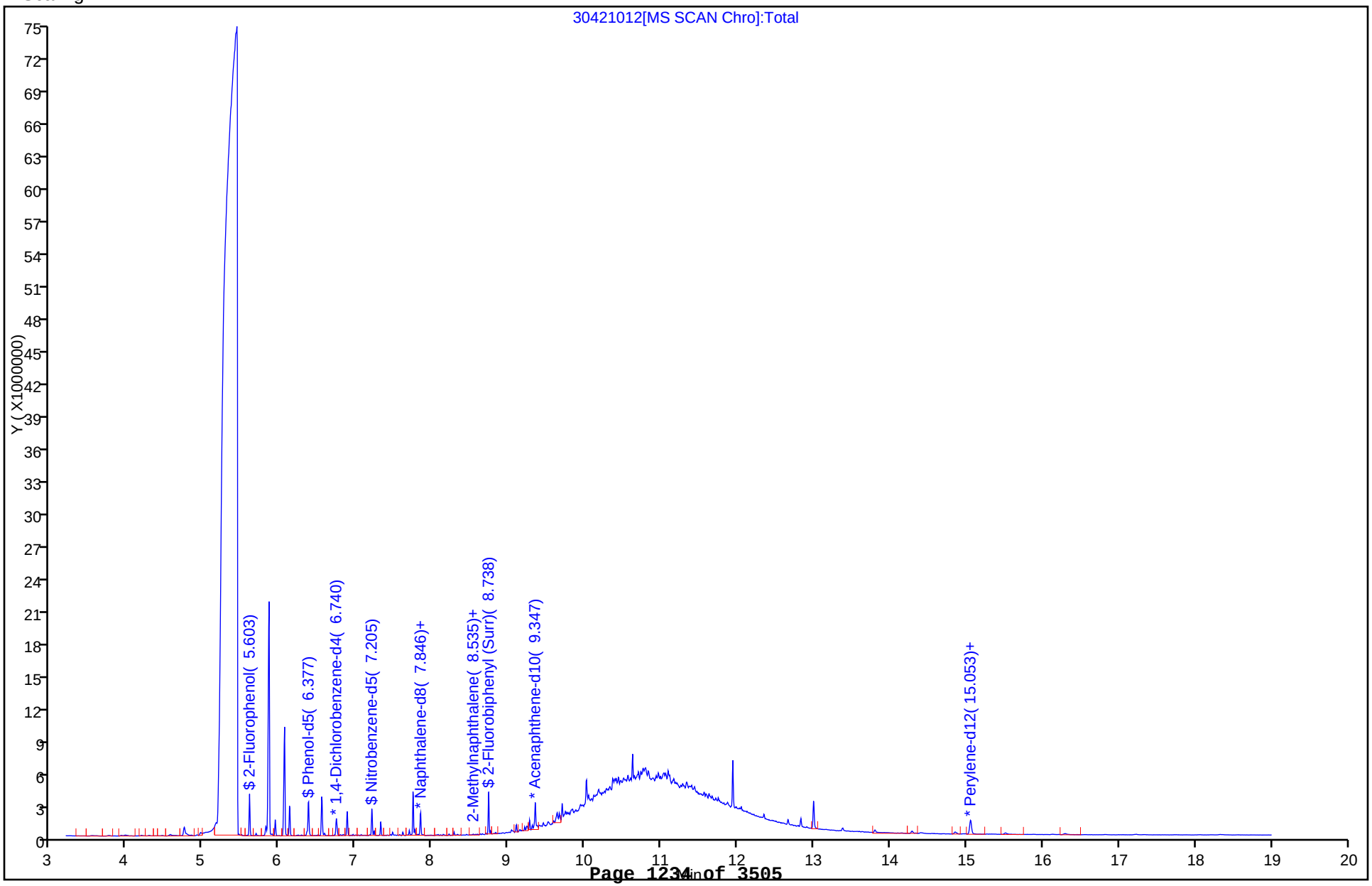
Review Flags
M - Manually Integrated

Report Date: 22-Apr-2013 08:55:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D		
Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



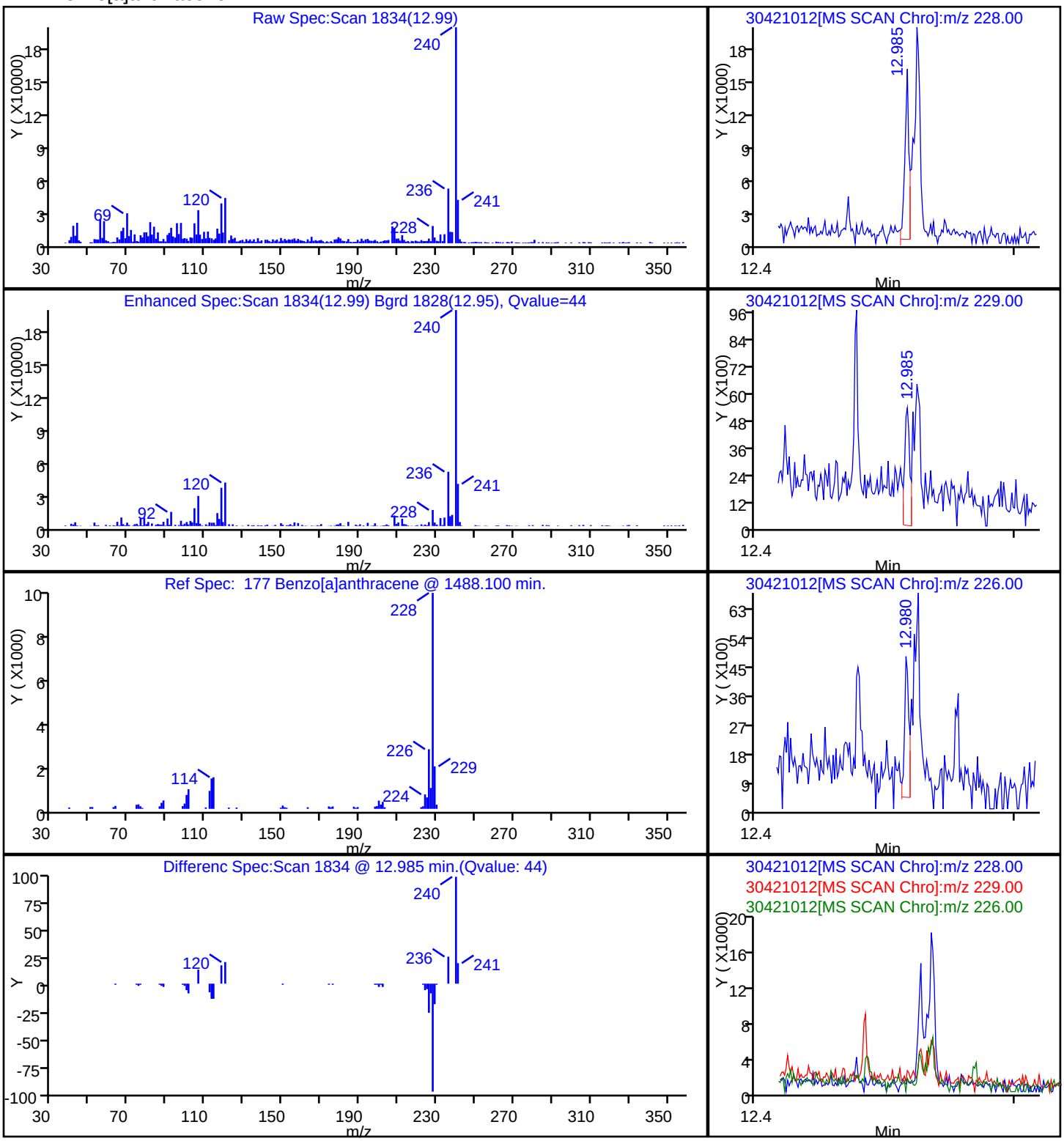
Report Date: 22-Apr-2013 08:55:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D

Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



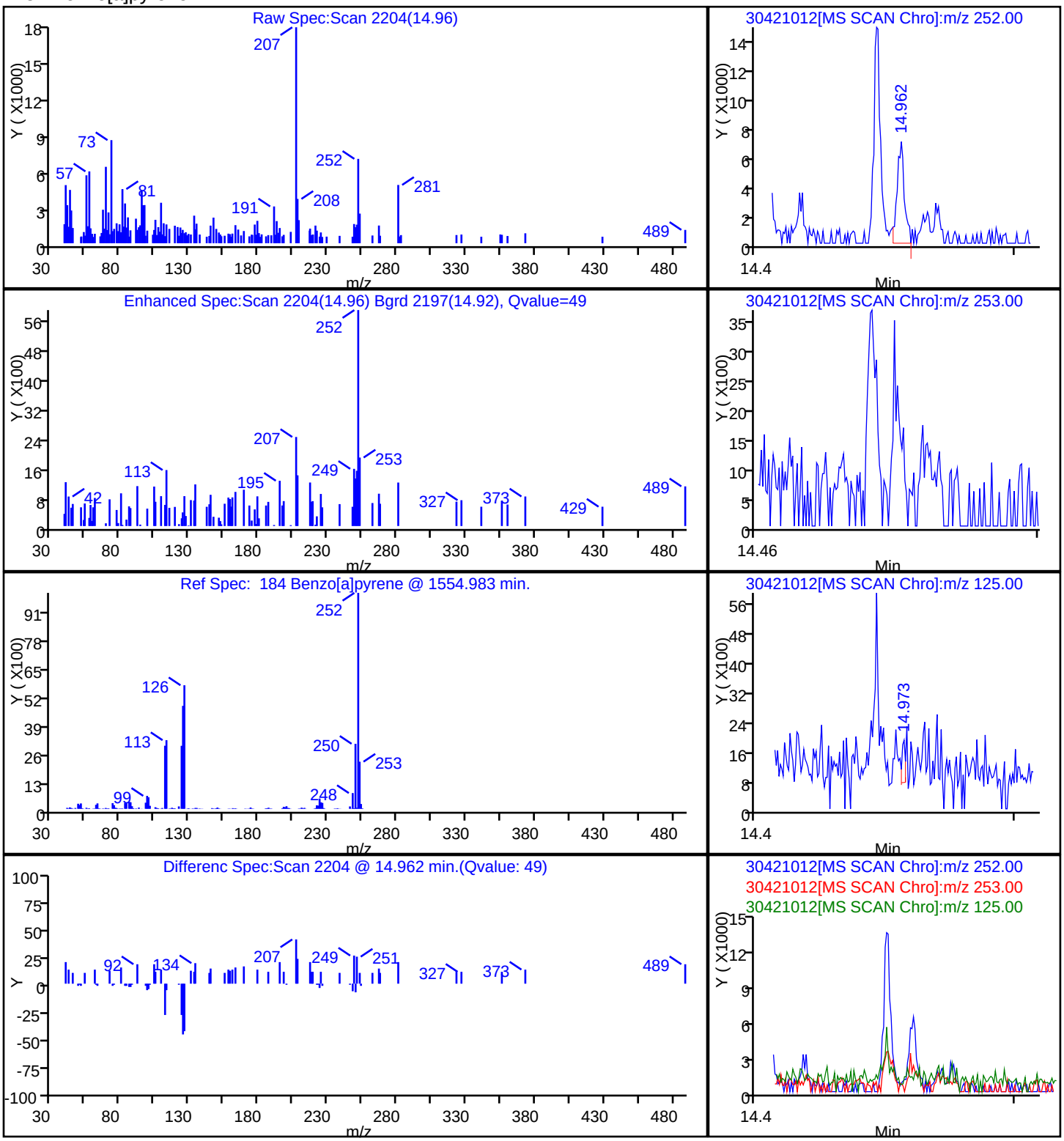
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D

Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



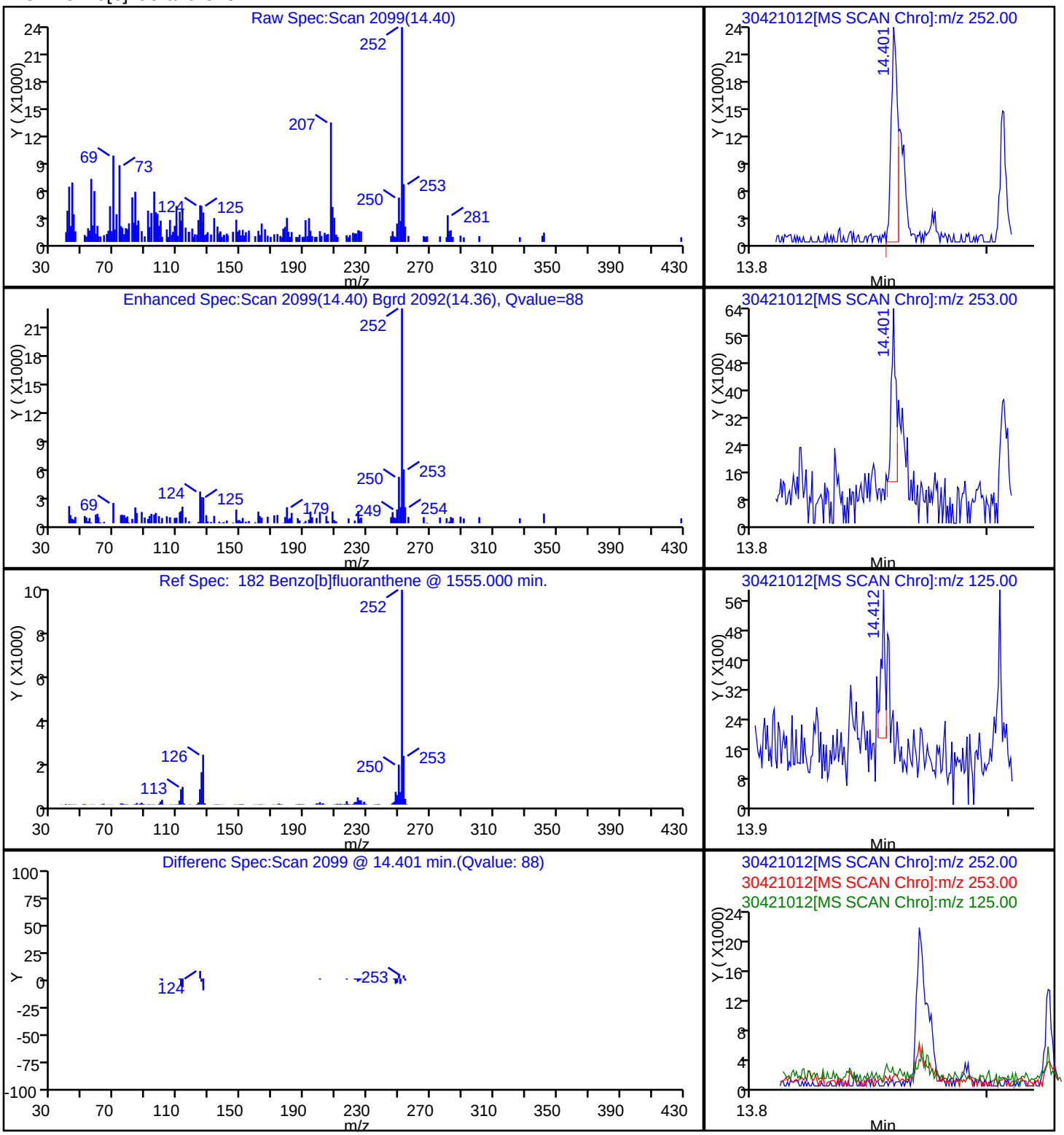
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D

Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



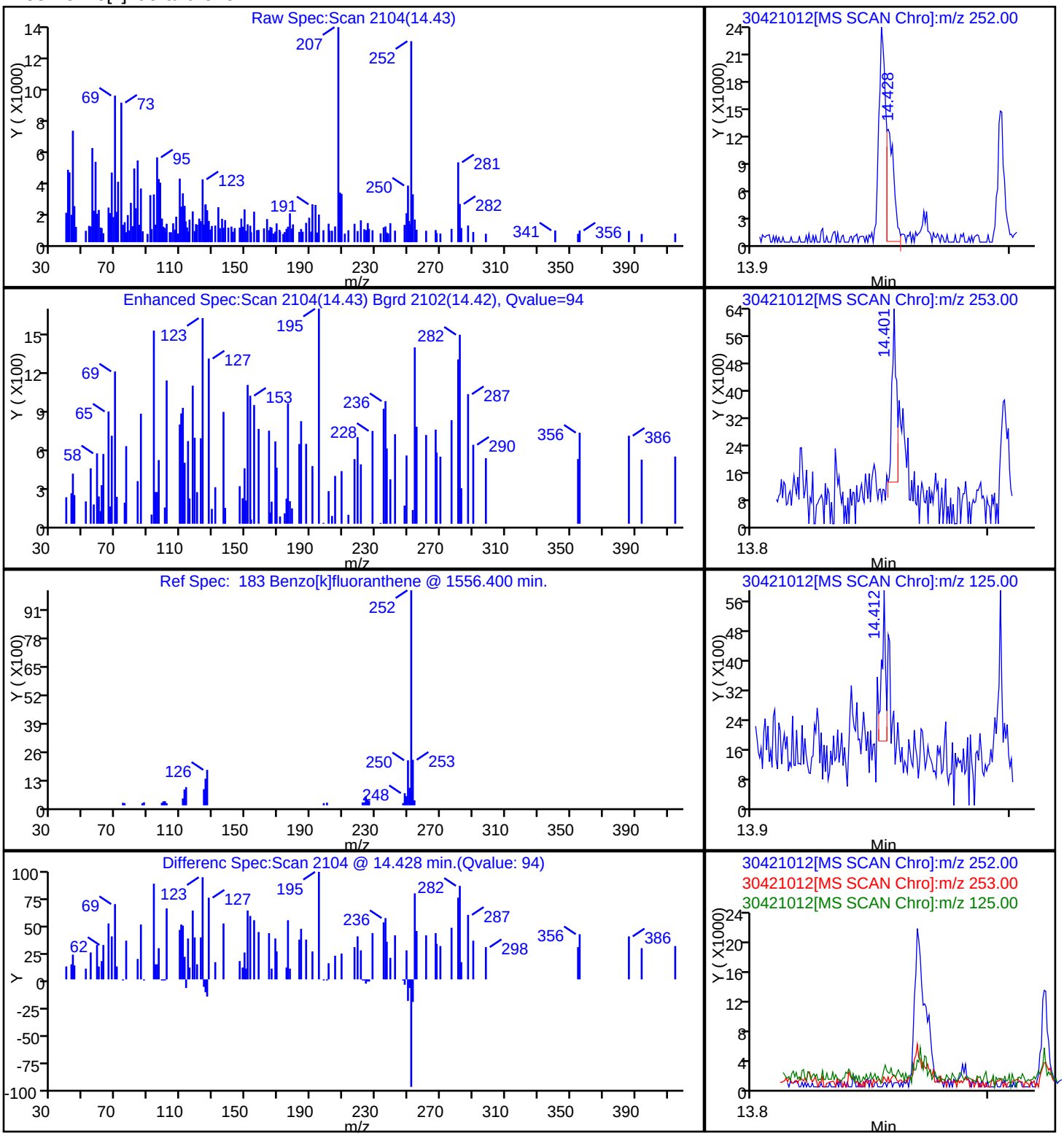
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TestAmerica Canton

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Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



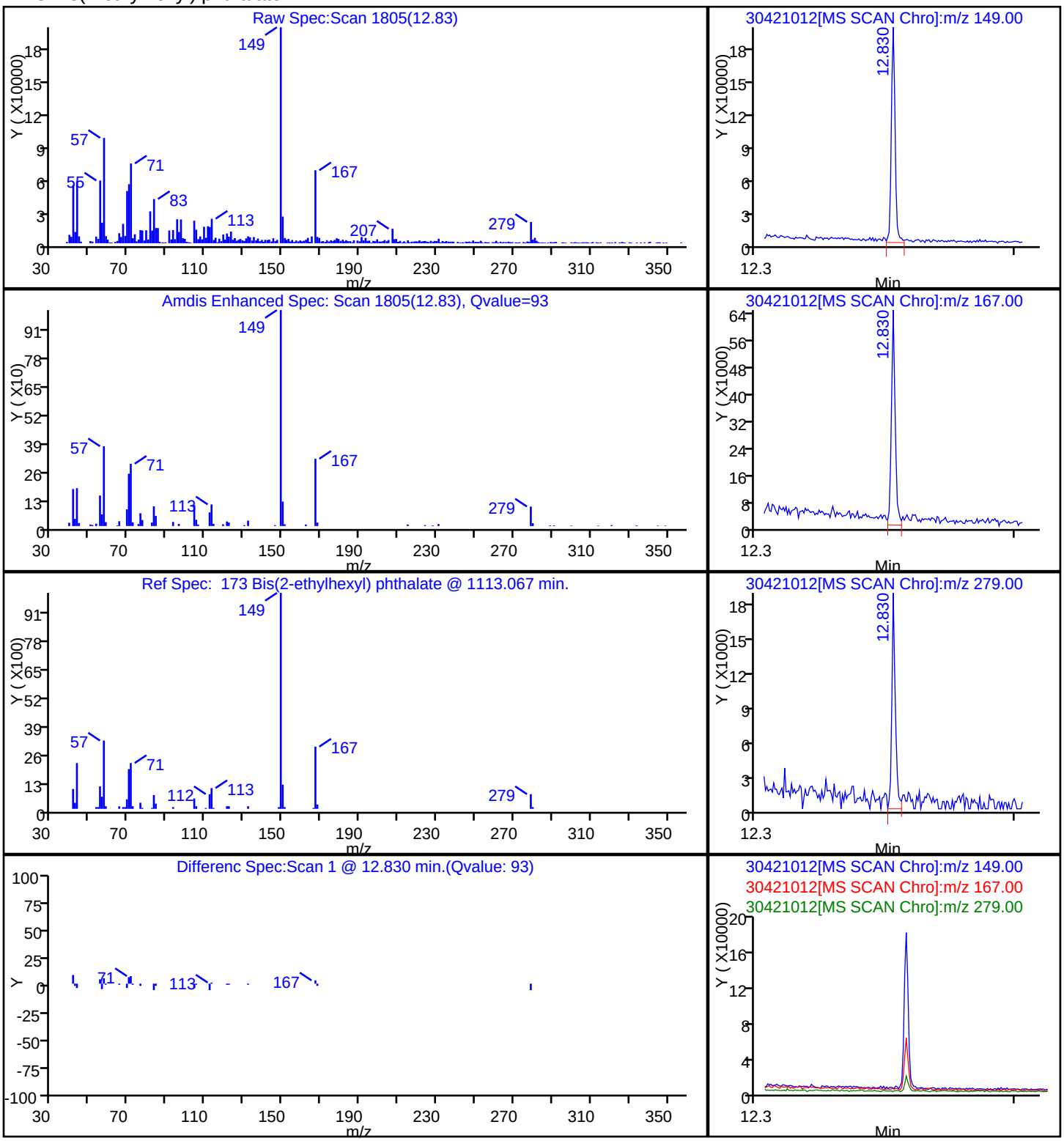
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D

Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



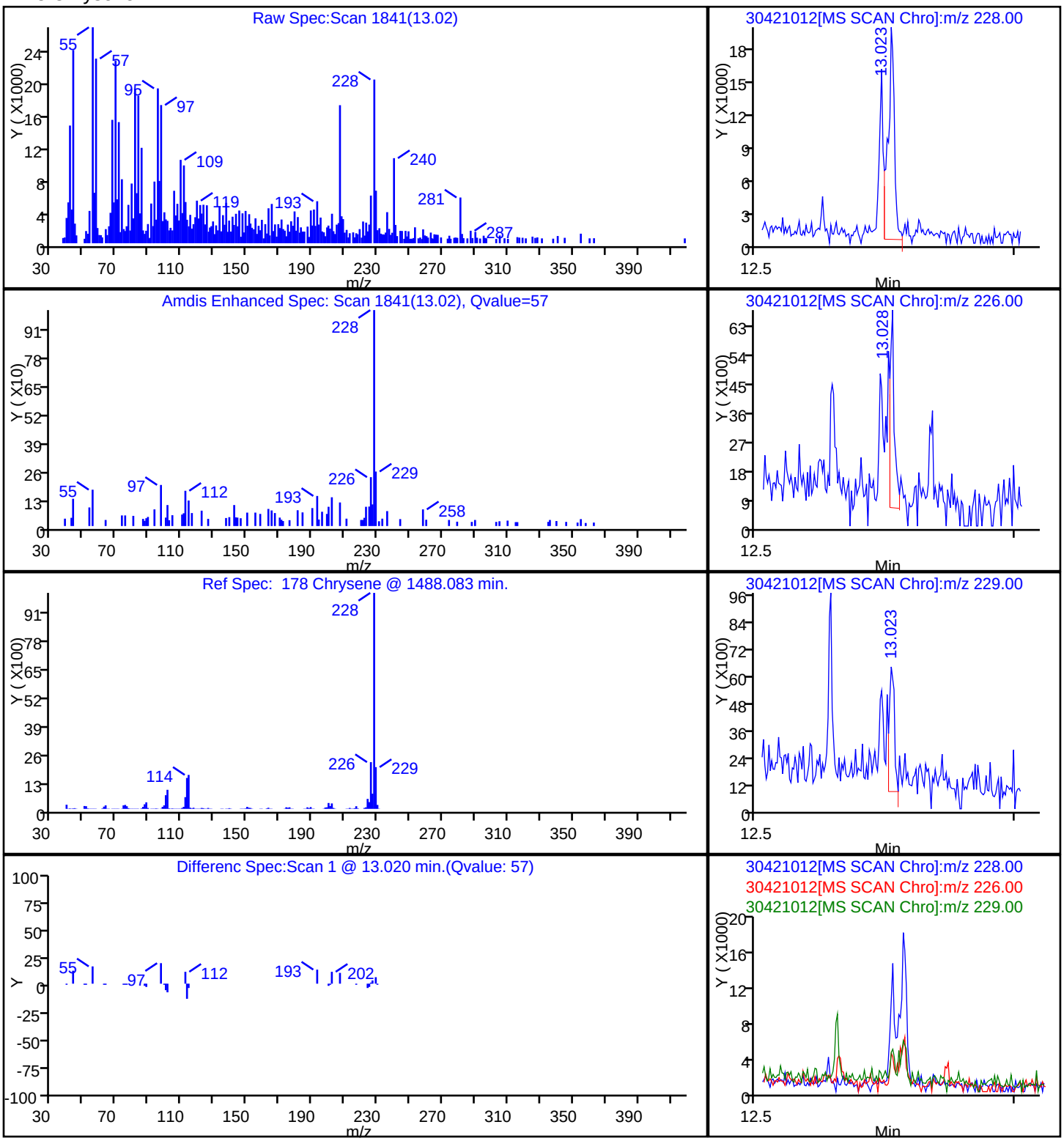
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D

Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



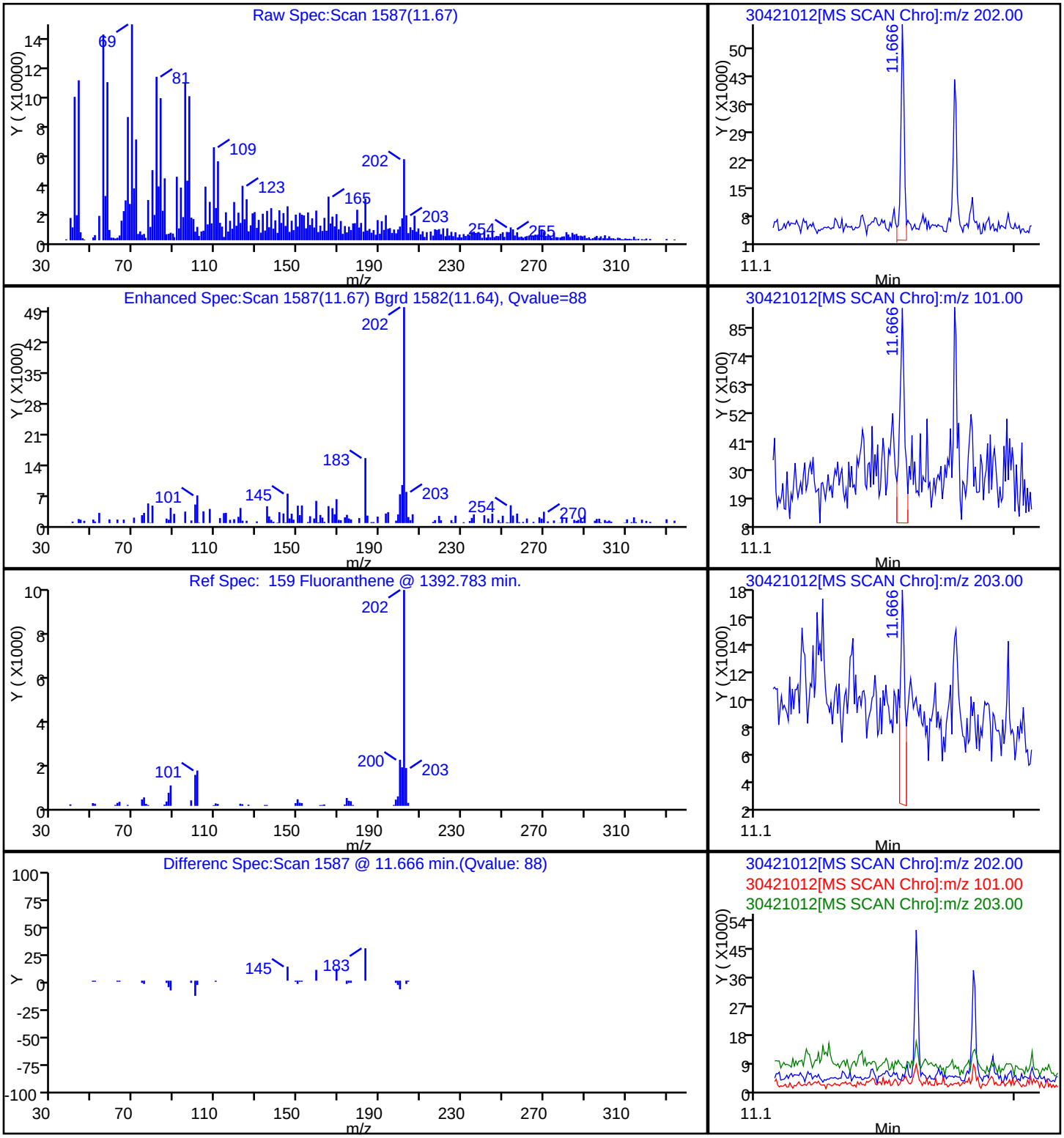
Report Date: 22-Apr-2013 08:55:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D

Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



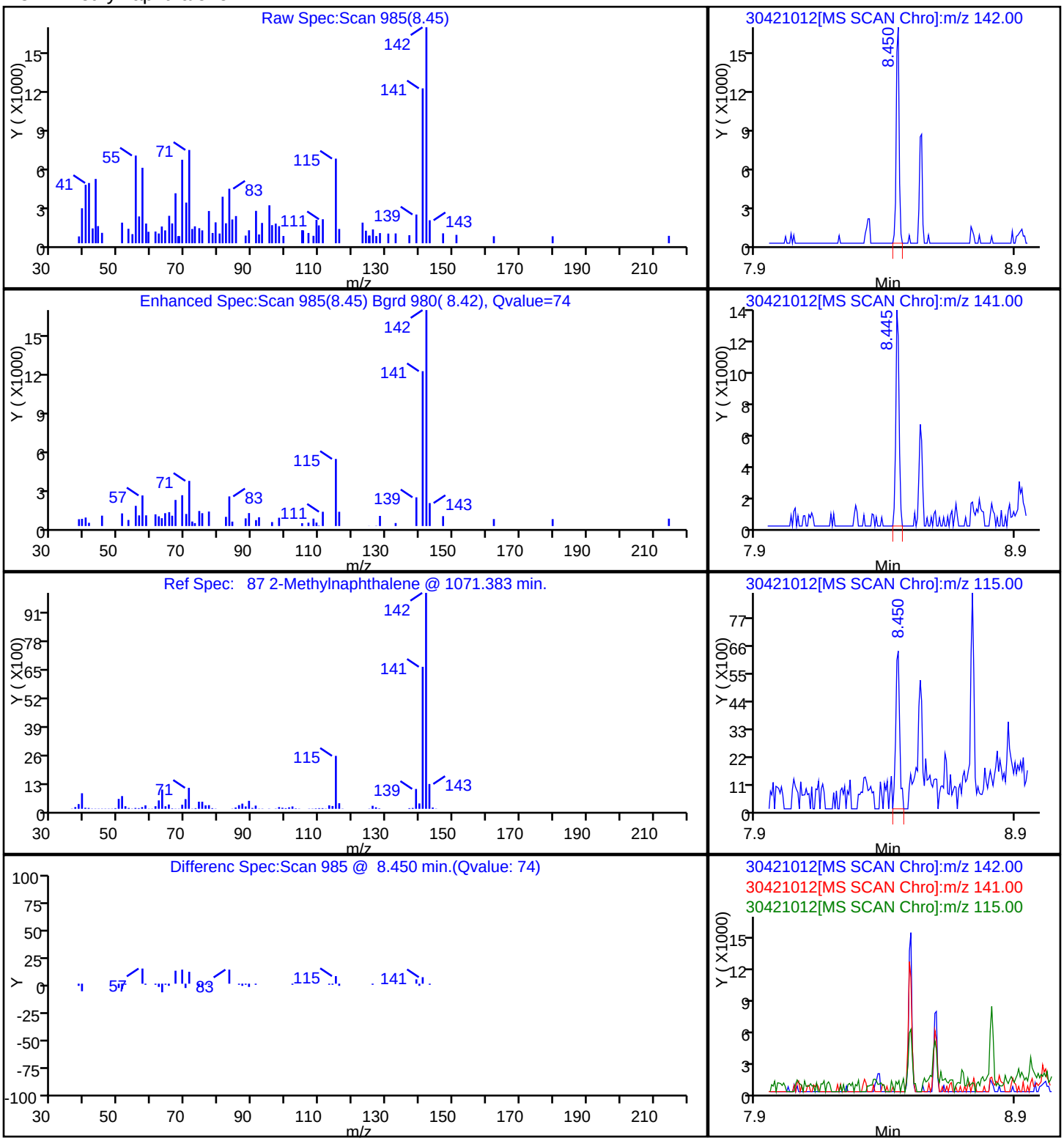
Report Date: 22-Apr-2013 08:55:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D

Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene

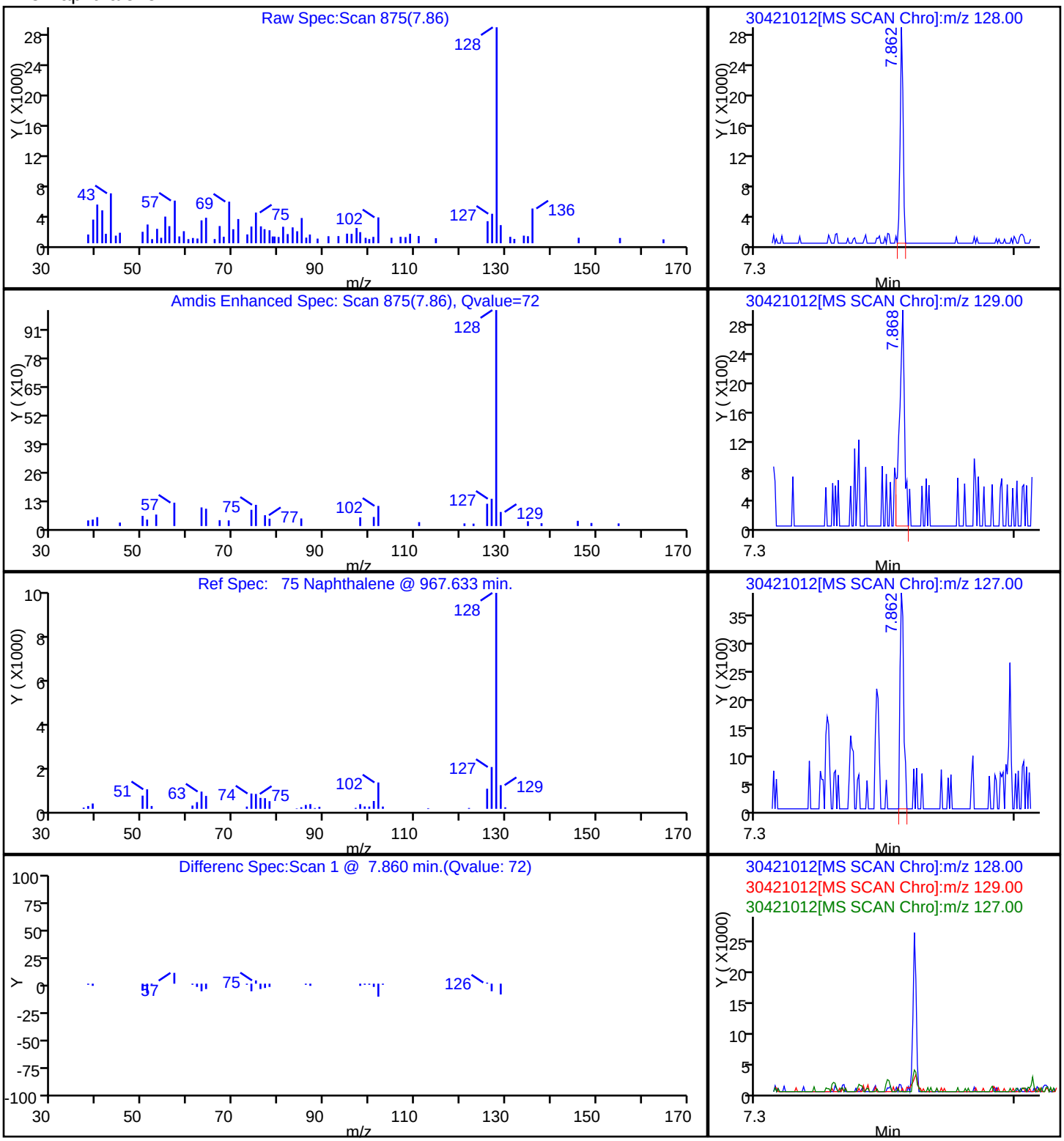


Report Date: 22-Apr-2013 08:55:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D		
Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



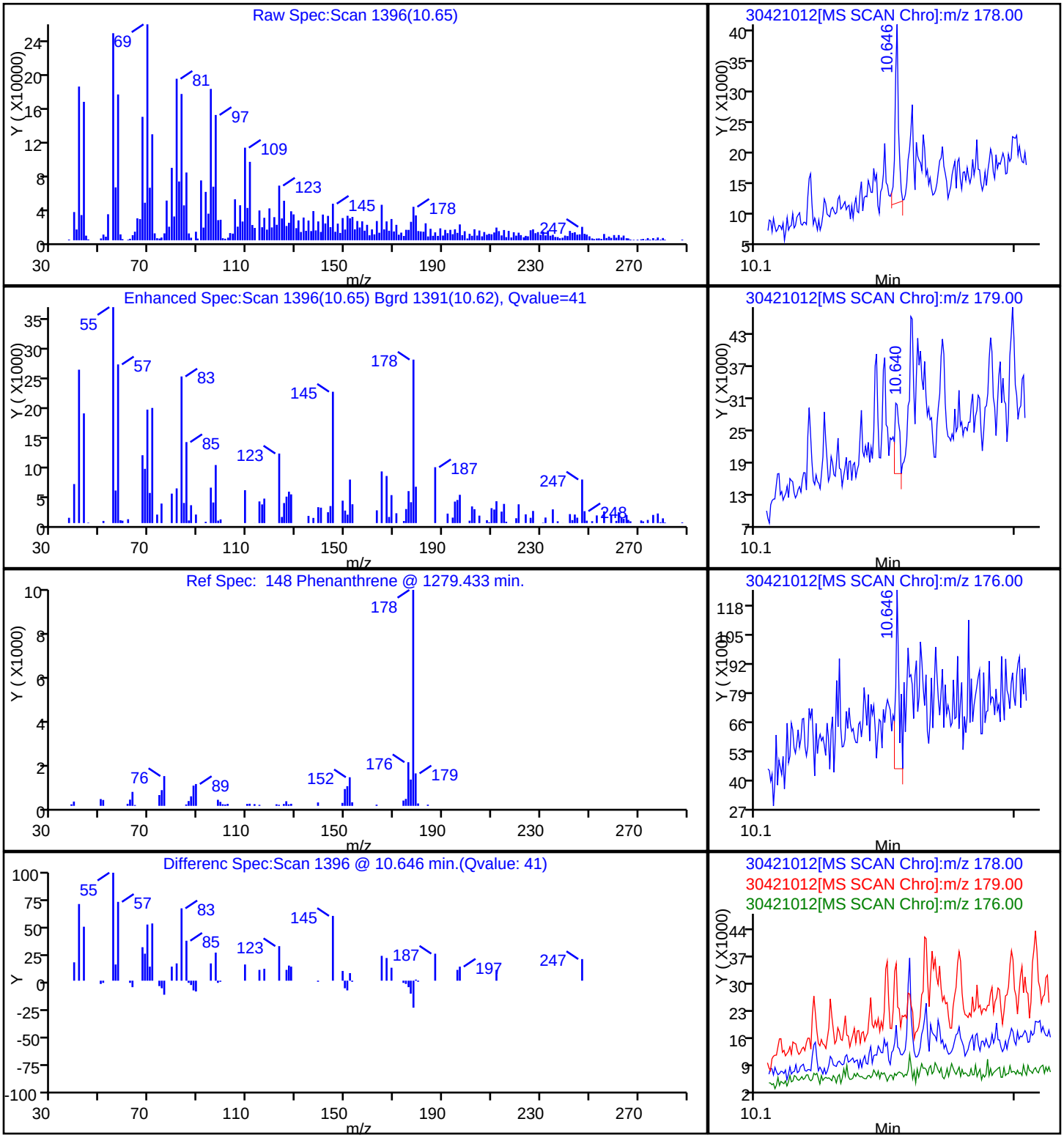
Report Date: 22-Apr-2013 08:55:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D

Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene

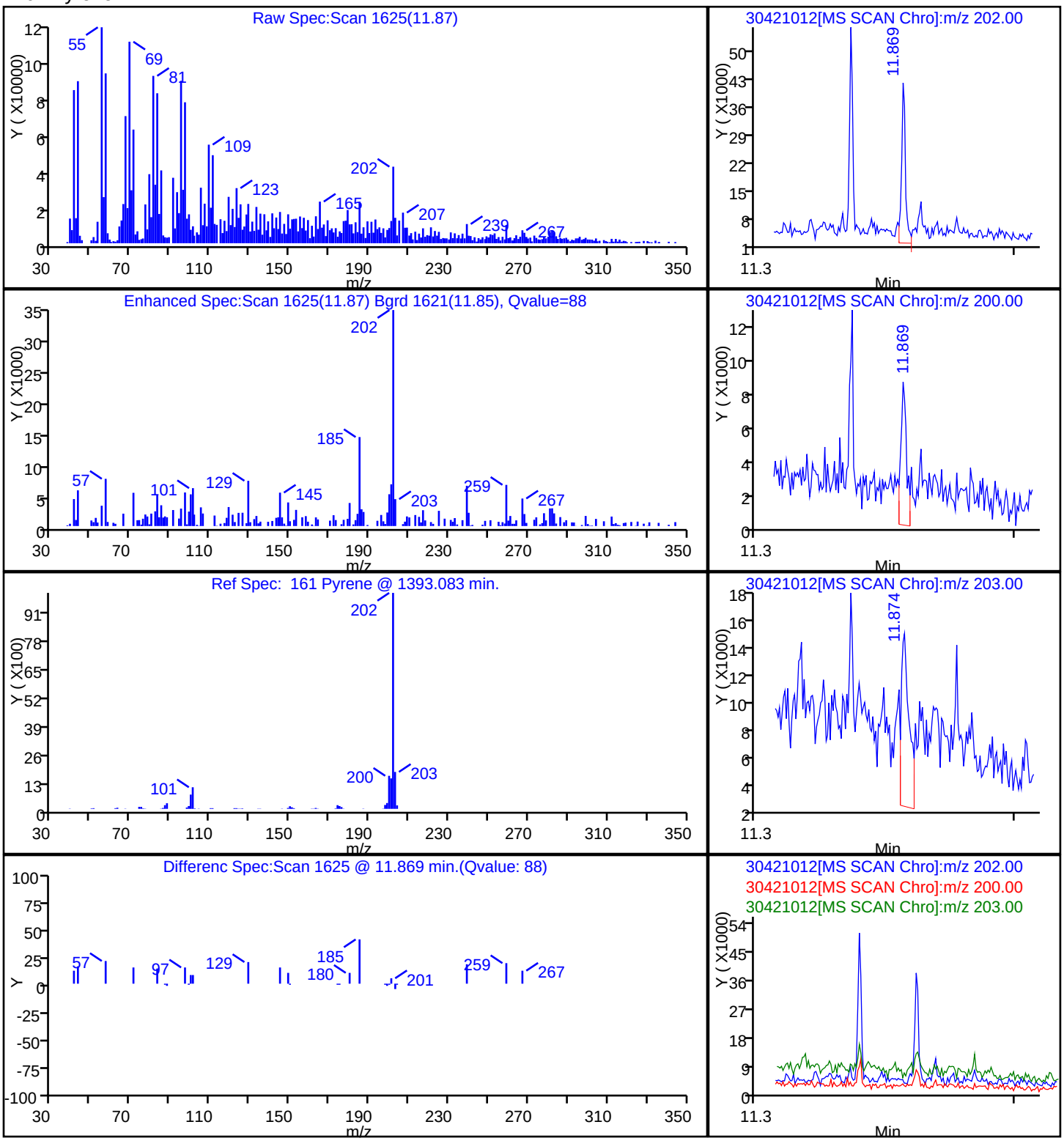


Report Date: 22-Apr-2013 08:55:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D		
Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Pyrene



Manual Integration/User Assign Peak Report

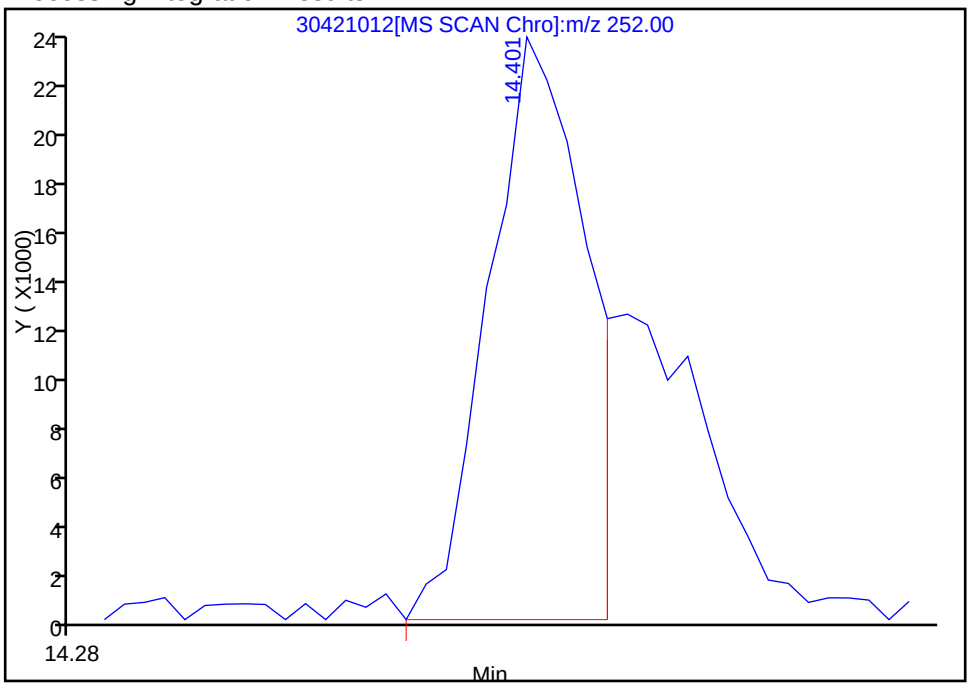
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421012.D		
Injection Date:	21-Apr-2013 15:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0028M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.45

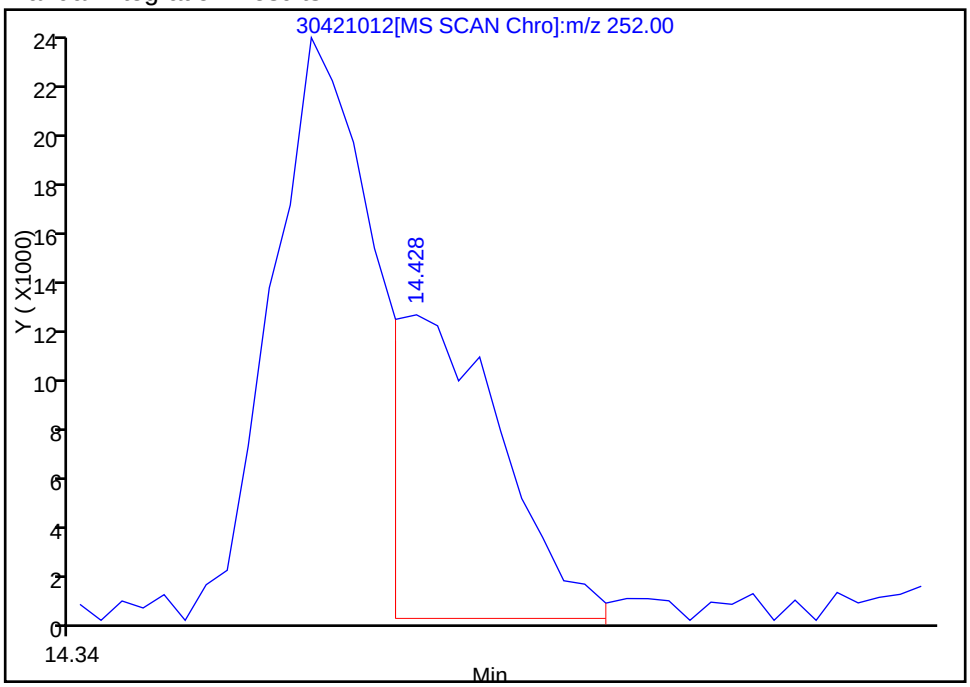
Processing Integration Results

RT: 14.40
Response: 42547
Amount: 0.180028



Manual Integration Results

RT: 14.43
Response: 24235
Amount: 0.102545



Reviewer: ulmanm, 22-Apr-2013 08:38:53
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0030M-0001-SO | Lab Sample ID: 240-22663-43

Matrix: Solid | Lab File ID: 30421013.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:05

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.76(g) | Date Analyzed: 04/21/2013 16:09

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.7	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.7	3.3	3.3
120-12-7	Anthracene	3.3	U	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	8.4		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	7.9		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	20		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	12	M	6.7	3.3	3.3
65-85-0	Benzoic acid	340	U	670	340	340
207-08-9	Benzo[k]fluoranthene	9.9	M	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.6
117-81-7	Bis(2-ethylhexyl) phthalate	53	J	71	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	71	27	10
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	50	27	13
218-01-9	Chrysene	17		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.7	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	50	27	9.8
541-73-1	1,3-Dichlorobenzene	27	U	50	27	11
106-46-7	1,4-Dichlorobenzene	27	U	50	27	20
91-94-1	3,3'-Dichlorobenzidine	81	U	100	81	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	71	27	16
105-67-9	2,4-Dimethylphenol	81	U	150	81	20
131-11-3	Dimethyl phthalate	27	U	71	27	17
84-74-2	Di-n-butyl phthalate	29	J	71	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0030M-0001-SO | Lab Sample ID: 240-22663-43

Matrix: Solid | Lab File ID: 30421013.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:05

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.76(g) | Date Analyzed: 04/21/2013 16:09

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	81	U	150	81	81
51-28-5	2,4-Dinitrophenol	81	U	330	81	81
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	71	27	27
206-44-0	Fluoranthene	14		6.7	3.3	3.3
86-73-7	Fluorene	3.3	U	6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	50	27	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	8.4	M	6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	4.1	J	6.7	3.3	3.3
95-48-7	2-Methylphenol	81	U	200	81	81
15831-10-4	3 & 4 Methylphenol	81	U	400	81	20
91-20-3	Naphthalene	6.1	J	6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.2
99-09-2	3-Nitroaniline	81	U	200	81	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	81	U	330	81	81
621-64-7	N-Nitrosodi-n-propylamine	27	U	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	50	27	21
87-86-5	Pentachlorophenol	81	U	150	81	81
85-01-8	Phenanthrene	5.6	J	6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	11		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0030M-0001-SO | Lab Sample ID: 240-22663-43

Matrix: Solid | Lab File ID: 30421013.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 14:05

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 29.76(g) | Date Analyzed: 04/21/2013 16:09

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	57		45-105
367-12-4	2-Fluorophenol (Surr)	59		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	53		35-100
4165-62-2	Phenol-d5 (Surr)	62		40-100
1718-51-0	Terphenyl-d14 (Surr)	59		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	68		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D
Lims ID: 240-22663-C-43-C Client ID: 068SB-0030M-0001-SO
Inject. Date: 21-Apr-2013 16:09:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019112-013
Misc. Info.: 240-22663-C-43-C =240-22663-C-43-C
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 82876 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:40:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.735	6.734	0.001	91	163630	4.00	
* 2 Naphthalene-d8	136	7.841	7.845	-0.004	99	683504	4.00	
* 3 Acenaphthene-d10	164	9.347	9.352	-0.005	77	416677	4.00	
* 4 Phenanthrene-d10	188	10.624	10.623	0.001	94	701742	4.00	
* 5 Chrysene-d12	240	12.996	13.001	-0.005	80	838105	4.00	
* 6 Perylene-d12	264	15.053	15.057	-0.004	93	766656	4.00	
$ 7 2-Fluorophenol	112	5.576	5.532	0.044	93	590379	8.88	
$ 8 Phenol-d5	99	6.366	6.360	0.006	93	834754	9.35	
$ 9 Nitrobenzene-d5	82	7.205	7.204	0.001	86	538304	5.34	
$ 10 2-Fluorobiphenyl (Surr)	172	8.738	8.738	0.0	99	708844	5.72	
$ 11 2,4,6-Tribromophenol	330	10.021	10.020	0.0	92	137518	10.2	
$ 12 Terphenyl-d14	244	11.938	11.937	0.001	98	883553	5.88	
43 Phenol	94		6.371					9
69 Bis(2-chloroethyl)ether	93		6.462					9
46 2-Chlorophenol	128		6.553					
47 1,3-Dichlorobenzene	146		6.691					9
48 1,4-Dichlorobenzene	146		6.750					9
49 Benzyl alcohol	108		6.825					9
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					9
53 2,2'-oxybis[1-chloropropane]	45		6.937					9
21 3 & 4 Methylphenol	108		7.028					
57 N-Nitrosodi-n-propylamine	70		7.044					
61 Hexachloroethane	117		7.194					
62 Nitrobenzene	77		7.220					
64 Isophorone	82		7.418					
65 2,4-Dimethylphenol	107		7.493					9
66 2-Nitrophenol	139		7.498					9
71 Benzoic acid	122		7.546					
70 Bis(2-chloroethoxy)methane	93		7.568					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.701					9
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128	7.862	7.861	0.001	61	14918	0.0902	
76 4-Chloroaniline	127		7.872					9
79 Hexachlorobutadiene	225		7.958					
86 4-Chloro-3-methylphenol	107		8.262					9
87 2-Methylnaphthalene	142	8.445	8.449	-0.004	60	6350	0.0609	
89 Hexachlorocyclopentadiene	237		8.588					
92 2,4,6-Trichlorophenol	196		8.673					9
93 2,4,5-Trichlorophenol	196		8.711					9
100 2-Chloronaphthalene	162		8.871					9
102 2-Nitroaniline	65		8.924					9
105 Dimethyl phthalate	163		9.047					9
107 2,6-Dinitrotoluene	165		9.111					
109 Acenaphthylene	152		9.234					
110 3-Nitroaniline	138		9.272					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109		9.373					9
112 Acenaphthene	153		9.379					
114 2,4-Dinitrotoluene	165		9.464					9
116 Dibenzofuran	168		9.523					9
121 Diethyl phthalate	149		9.640					9
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					9
126 Fluorene	166		9.817					9
128 4,6-Dinitro-2-methylphenol	198		9.822					
131 N-Nitrosodiphenylamine	169		9.875					9
139 4-Bromophenyl phenyl ether	248		10.201					
141 Hexachlorobenzene	284		10.303					
143 Pentachlorophenol	266		10.452					
148 Phenanthrene	178	10.646	10.645	0.001	78	14494	0.0837	
149 Anthracene	178		10.687					
151 Carbazole	167		10.800					
154 Di-n-butyl phthalate	149	11.014	11.013	0.001	96	22562	0.4246	
159 Fluoranthene	202	11.666	11.665	0.001	93	36435	0.2067	
161 Pyrene	202	11.869	11.873	-0.004	94	31578	0.1707	
168 Butyl benzyl phthalate	149		12.311					
173 Bis(2-ethylhexyl) phthalate	149	12.830	12.830	0.0	93	89597	0.7935	
175 3,3'-Dichlorobenzidine	252		12.899					
177 Benzo[a]anthracene	228	12.980	12.985	-0.004	51	24790	0.1251	
178 Chrysene	228	13.023	13.027	-0.004	56	47869	0.2510	
180 Di-n-octyl phthalate	149		13.577					9
182 Benzo[b]fluoranthene	252	14.401	14.406	-0.005	90	58628	0.2959	
183 Benzo[k]fluoranthene	252	14.428	14.448	-0.020	97	32981	0.1468	M
184 Benzo[a]pyrene	252	14.962	14.966	-0.004	42	22706	0.1169	
189 Dibenz(a,h)anthracene	278		17.354					
188 Indeno[1,2,3-cd]pyrene	276	17.329	17.354	-0.025	87	24526	0.1245	M
190 Benzo[g,h,i]perylene	276	18.060	18.070	-0.010	69	28373	0.1744	M

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

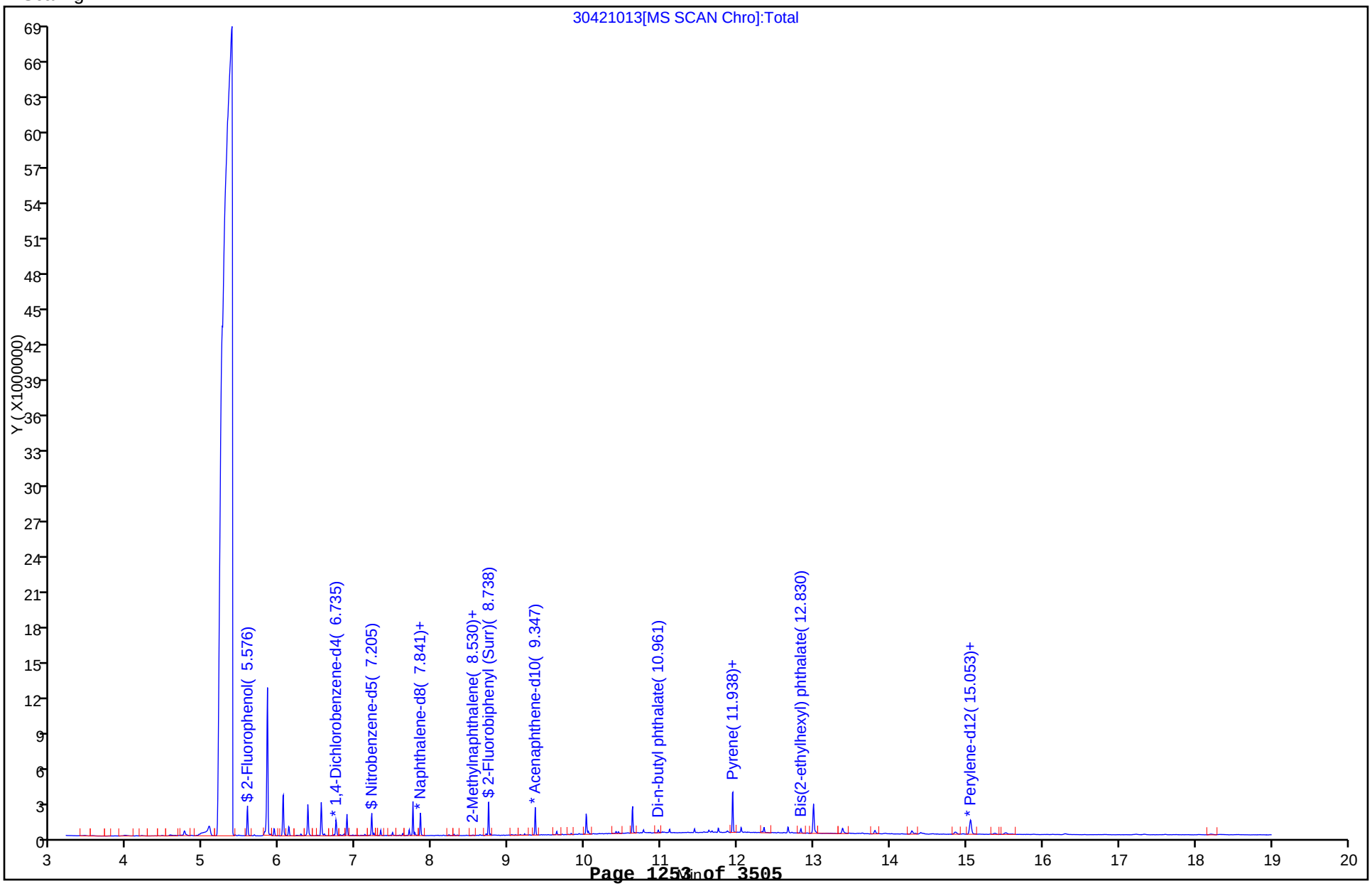
Review Flags
M - Manually Integrated

Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D		
Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



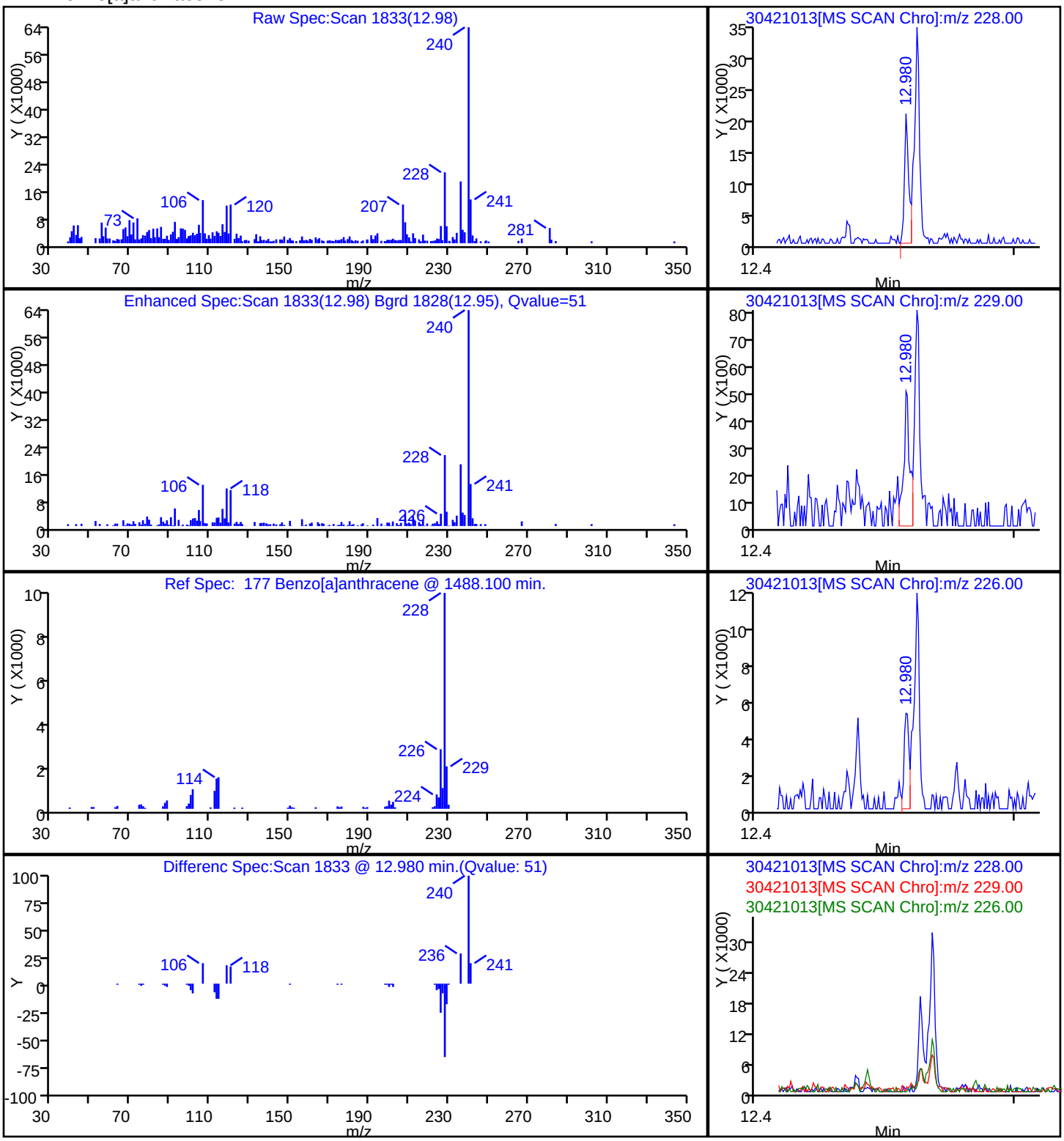
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



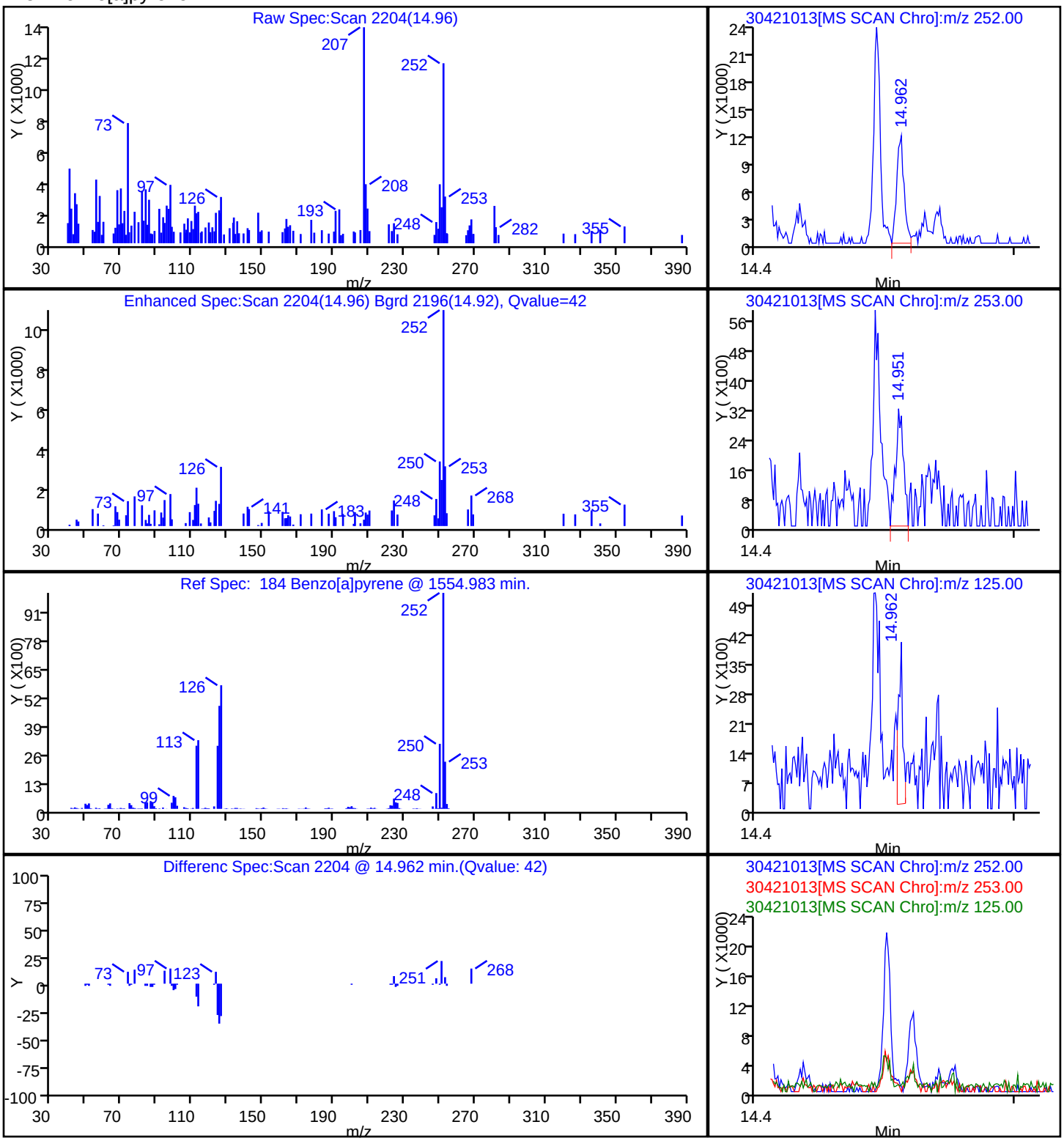
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



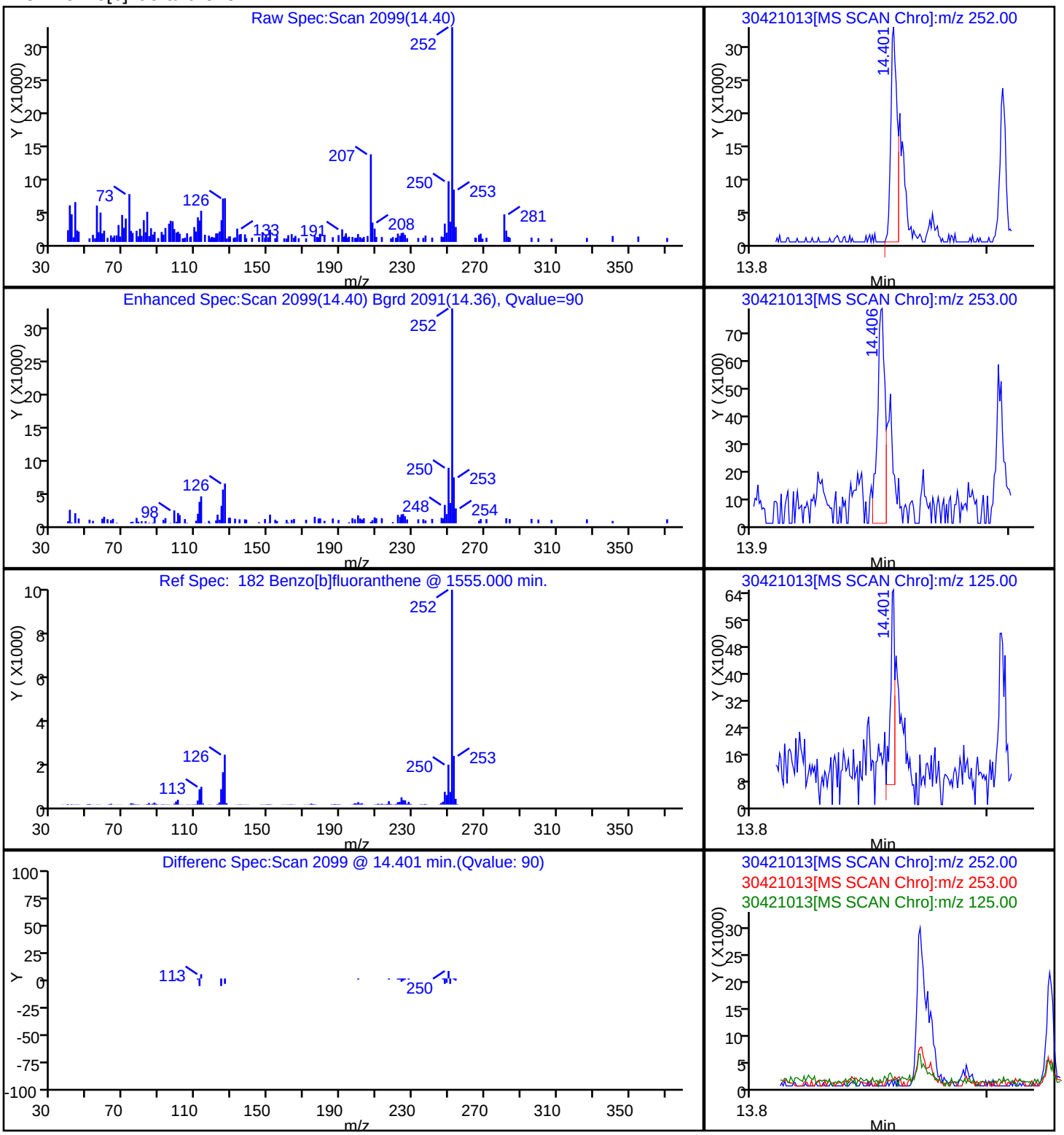
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



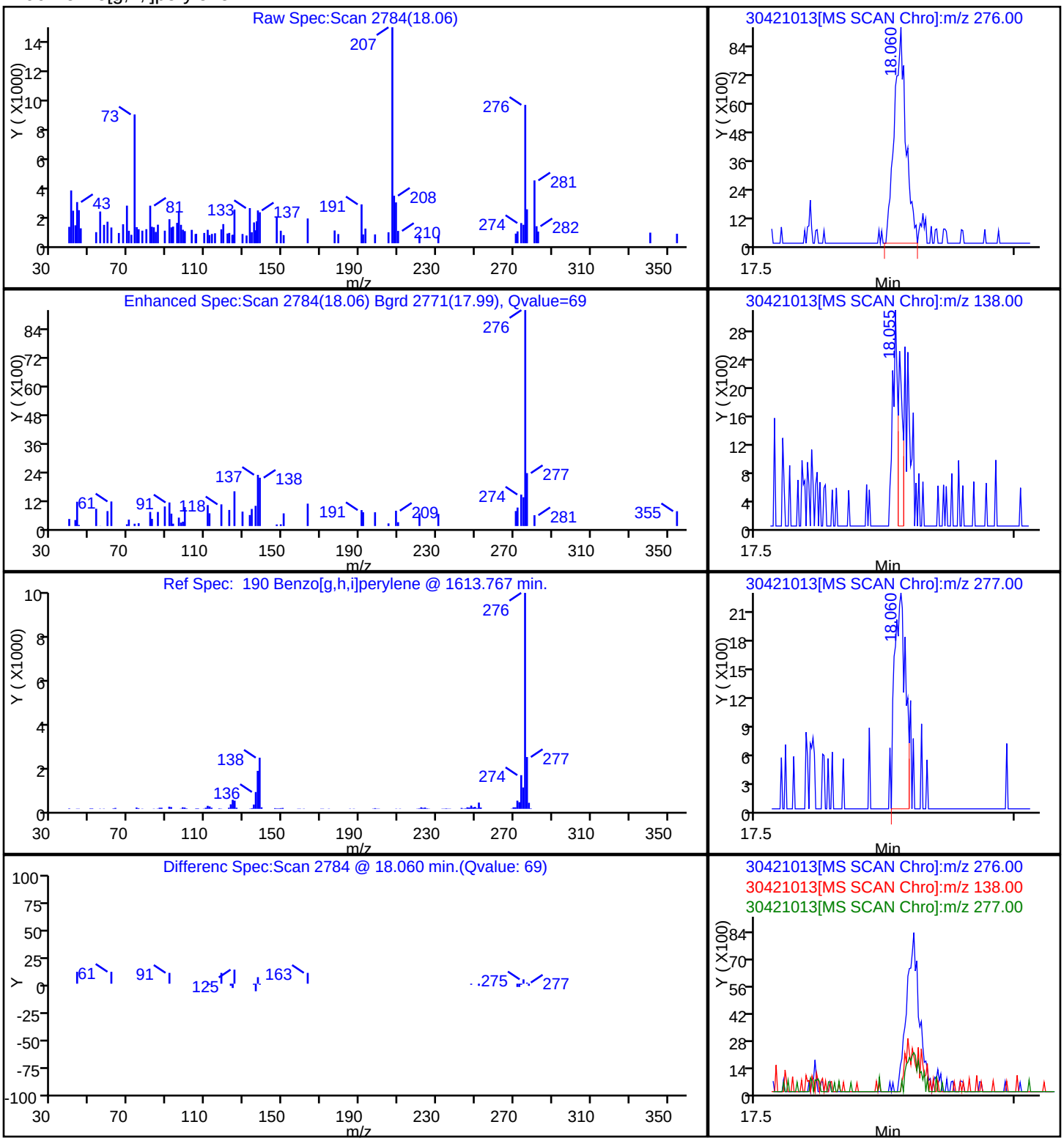
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene



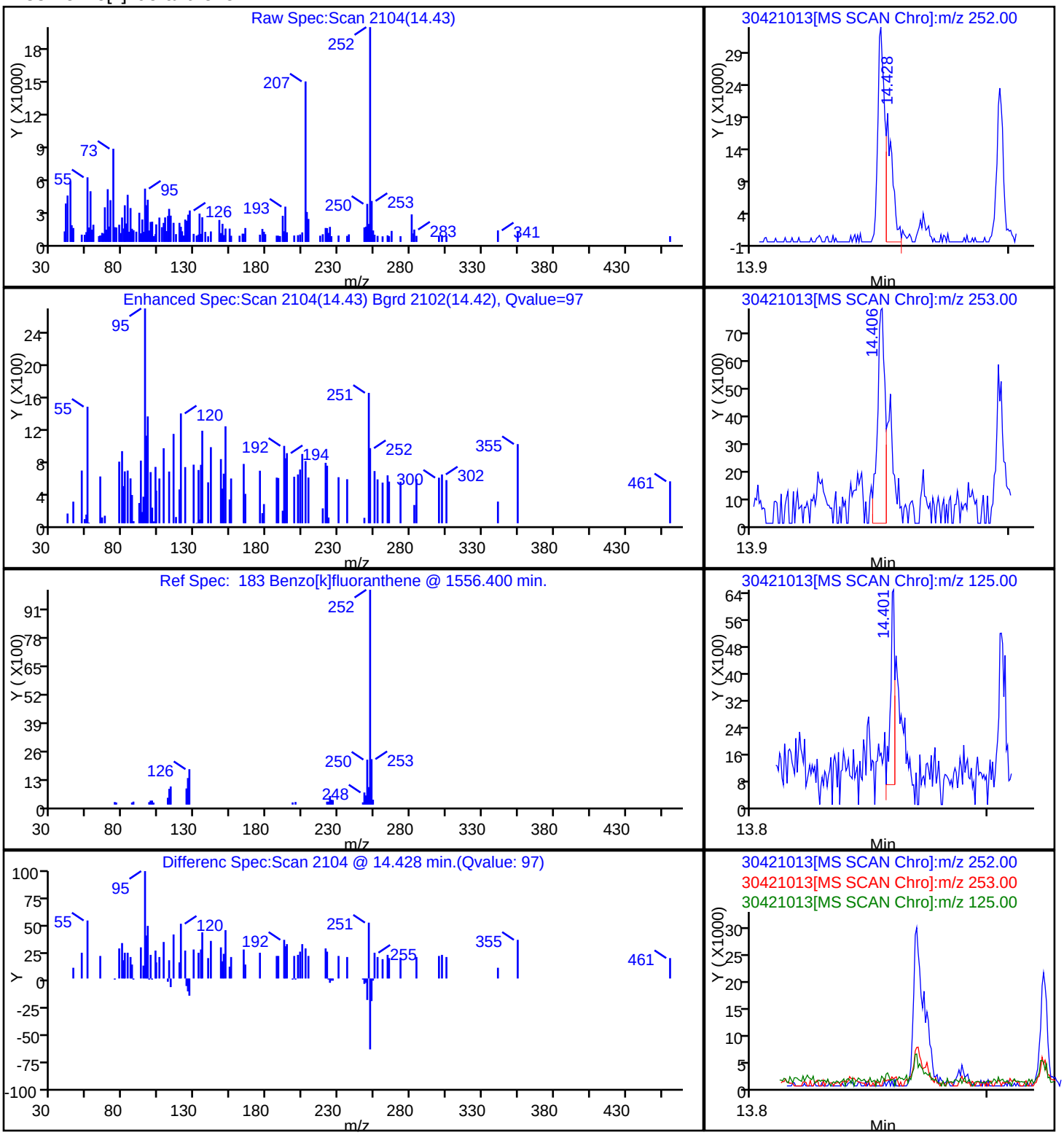
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



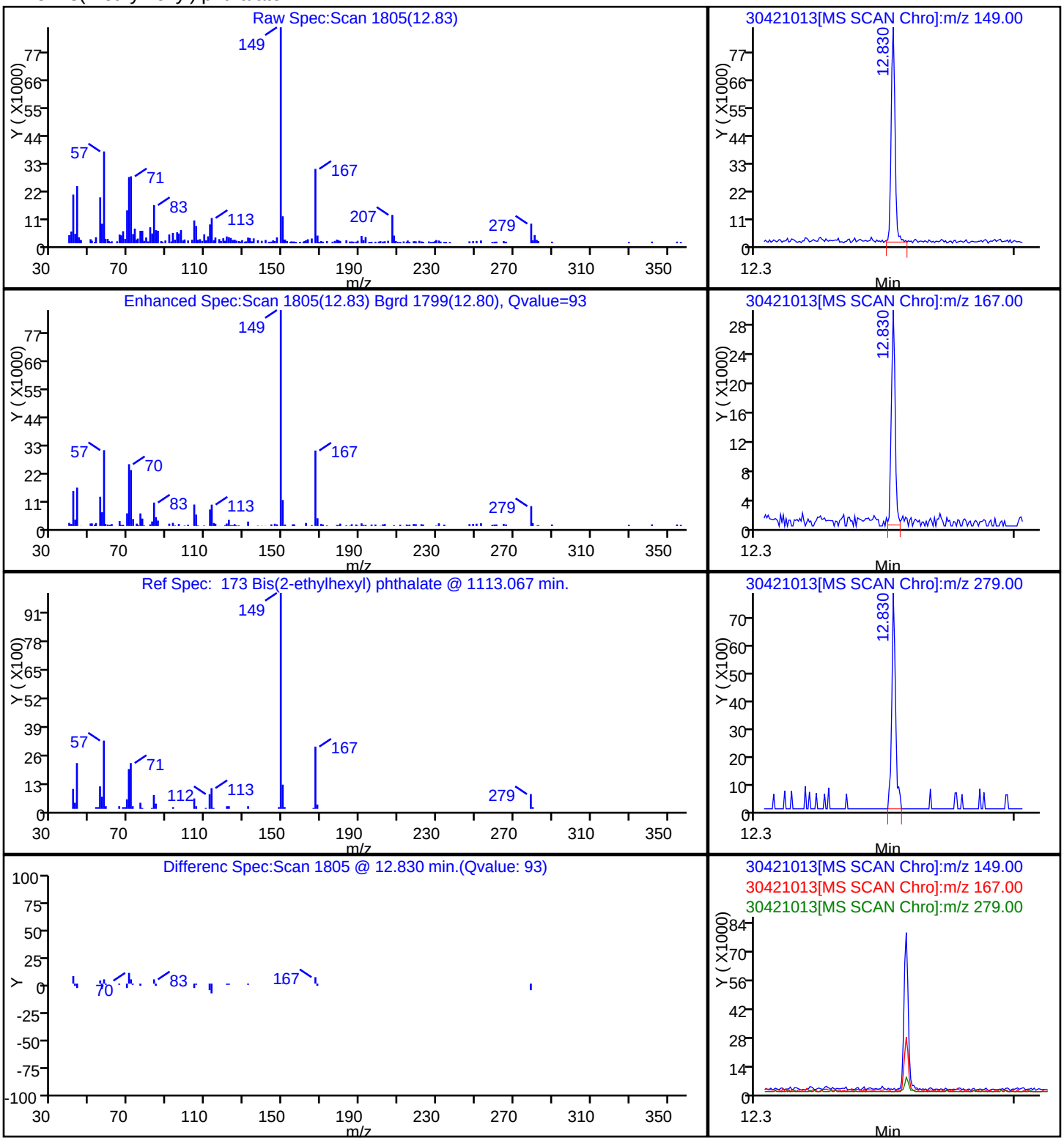
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



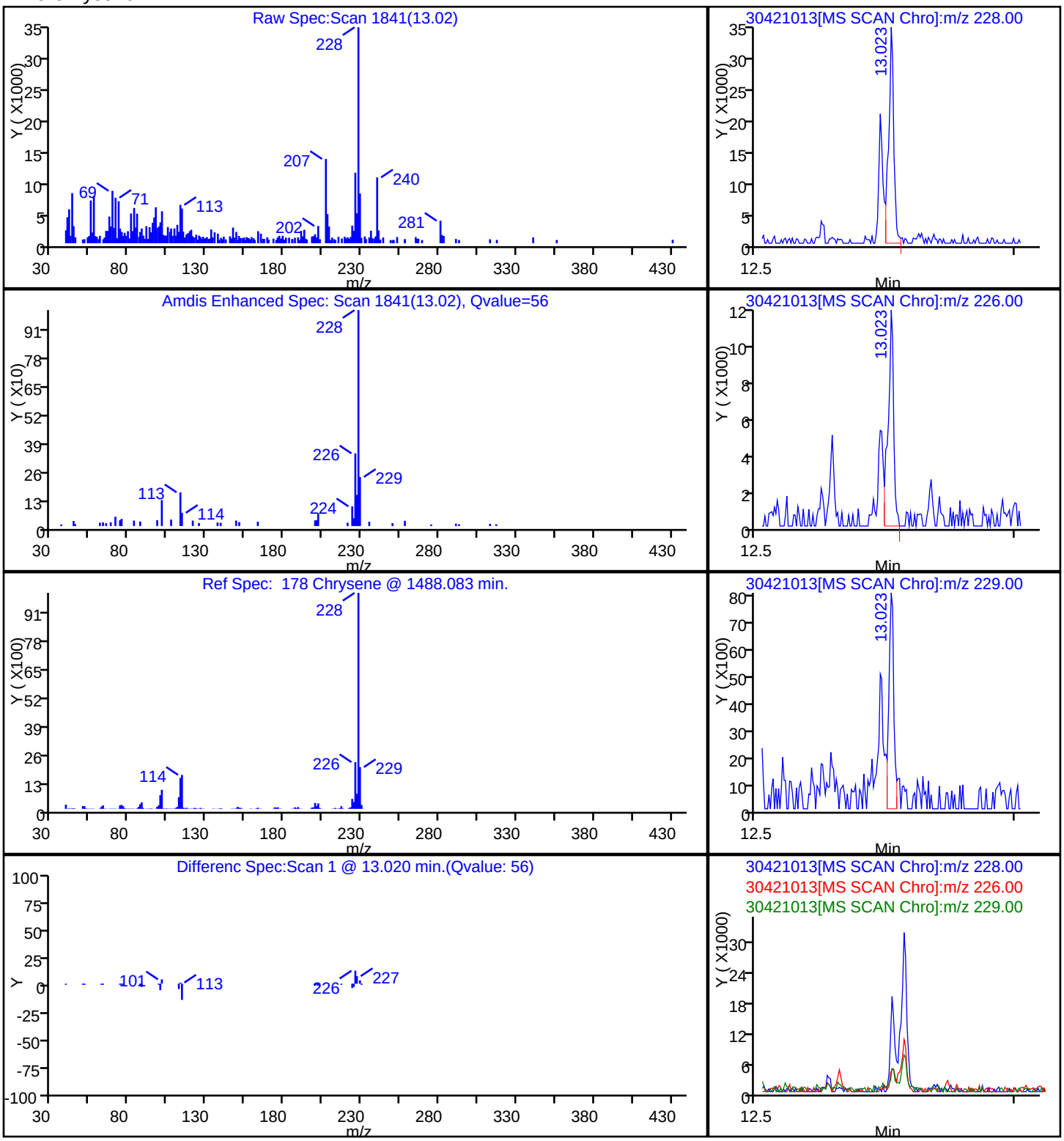
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



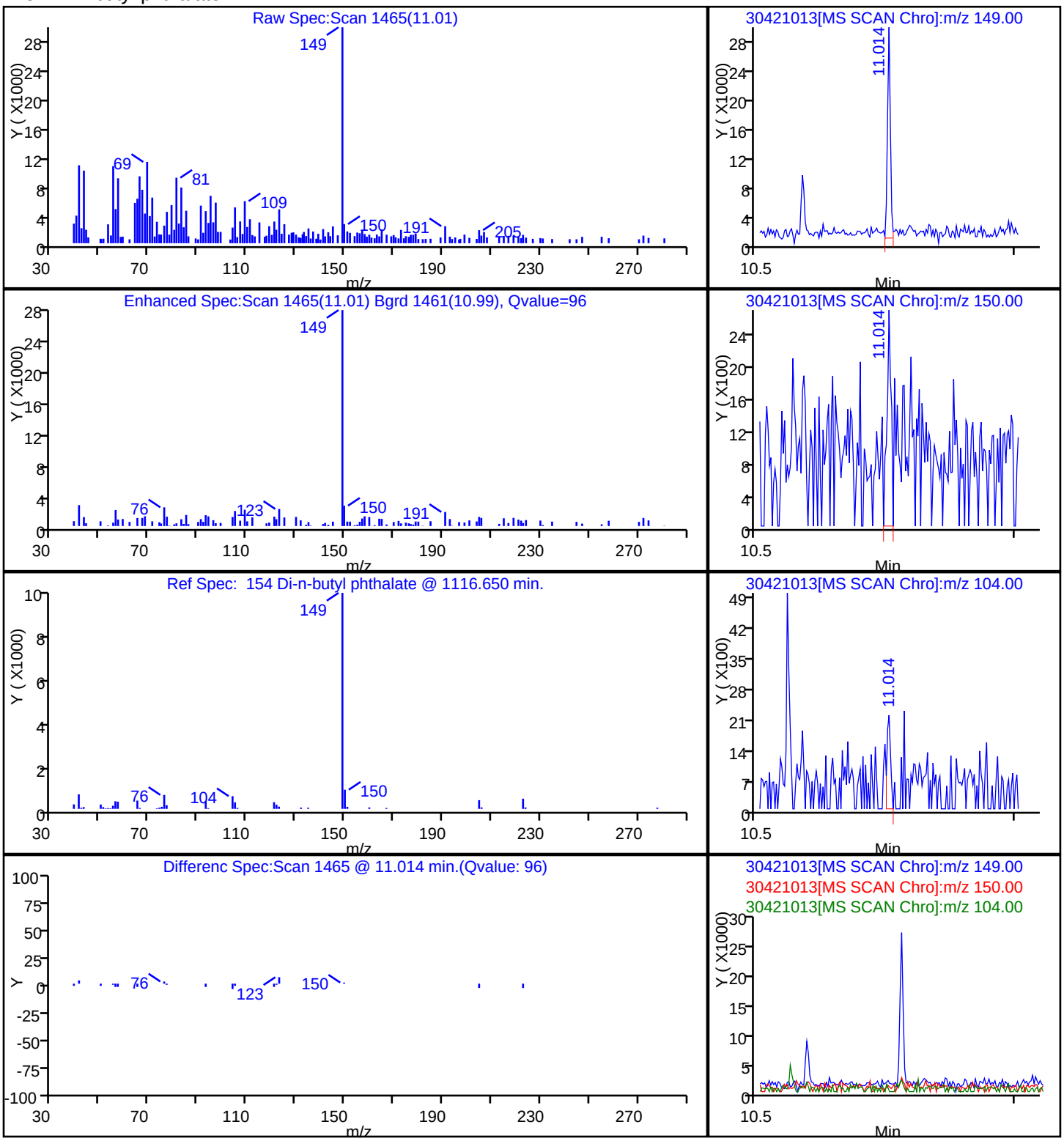
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

154 Di-n-butyl phthalate



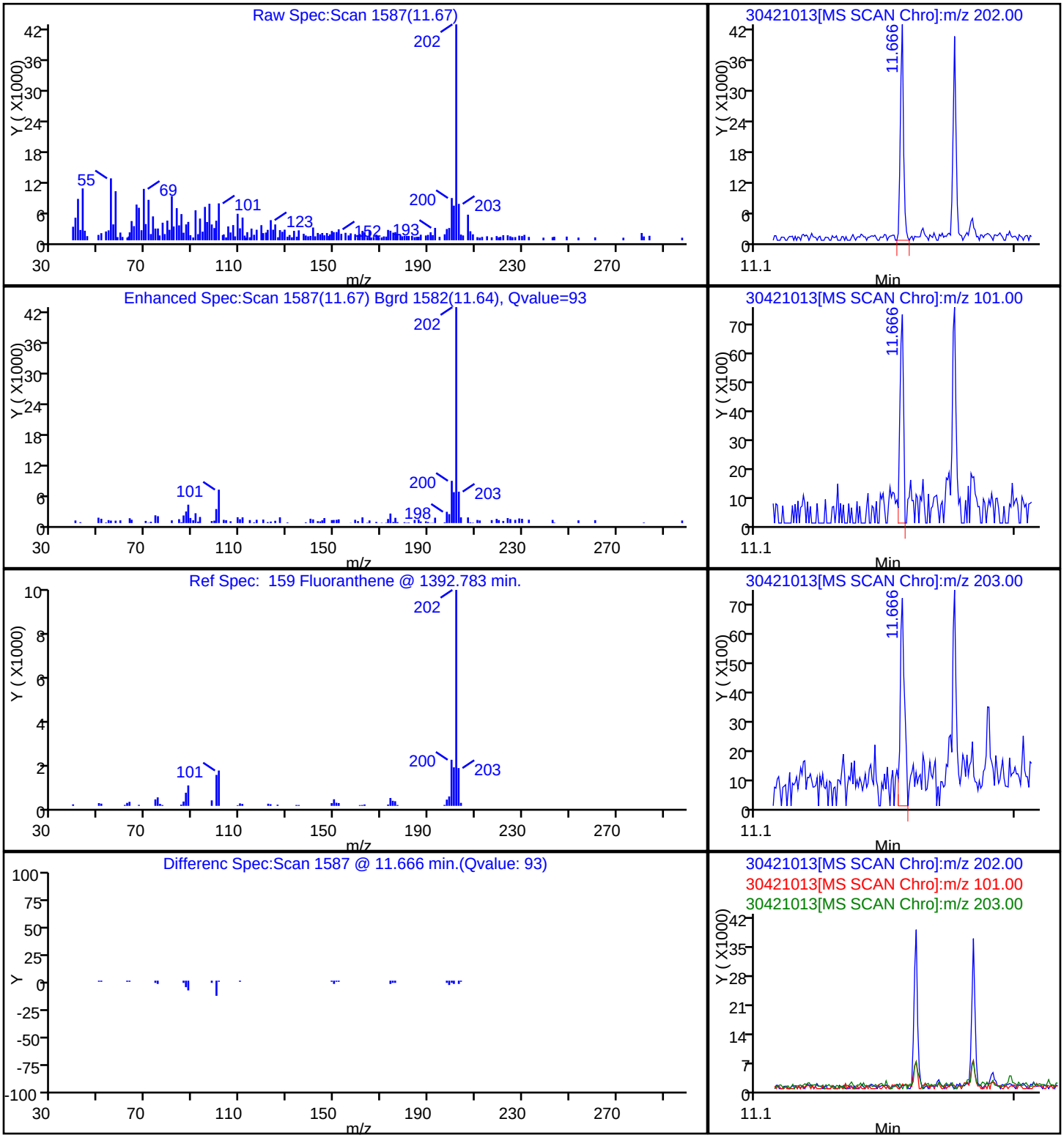
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



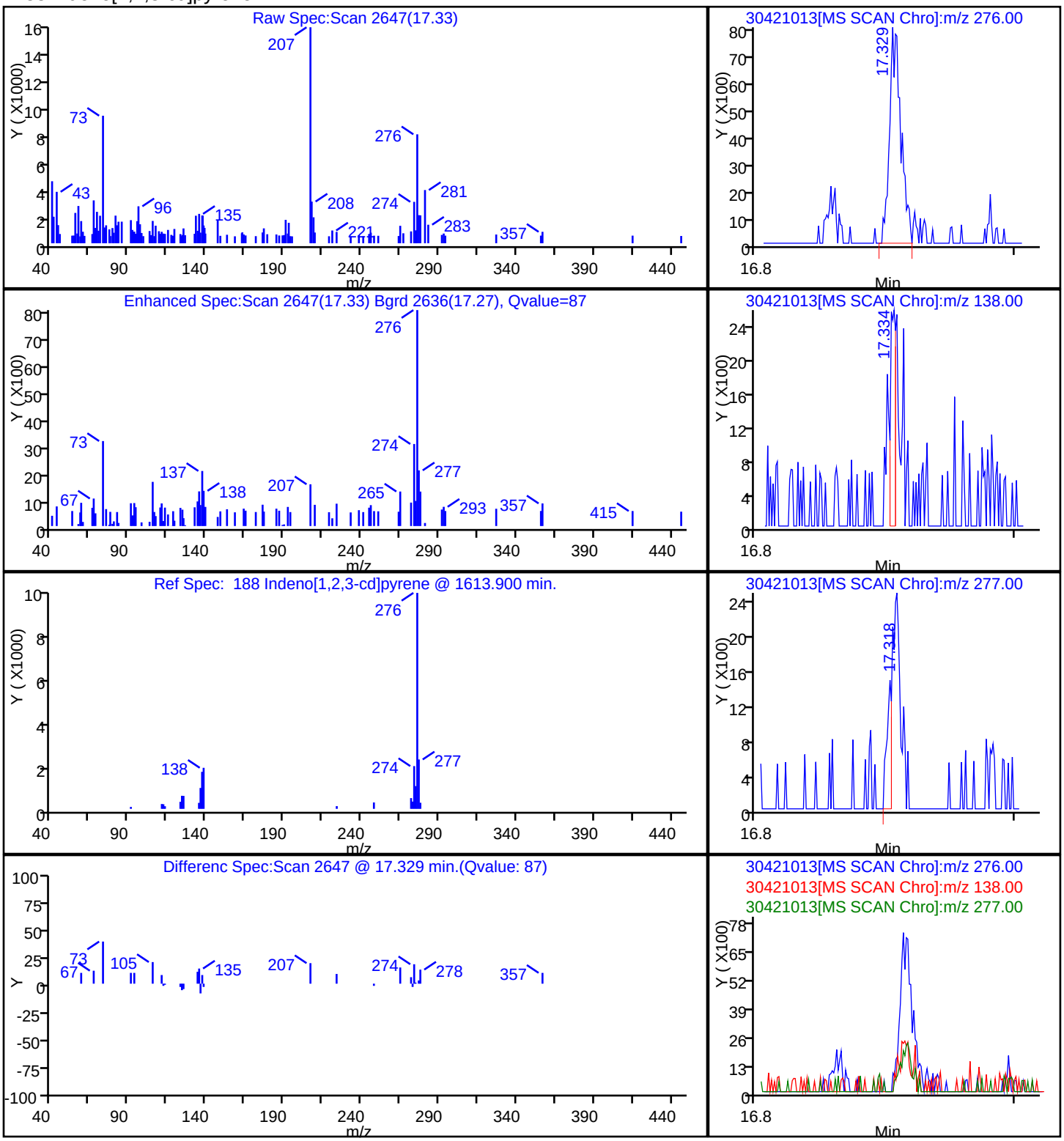
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene



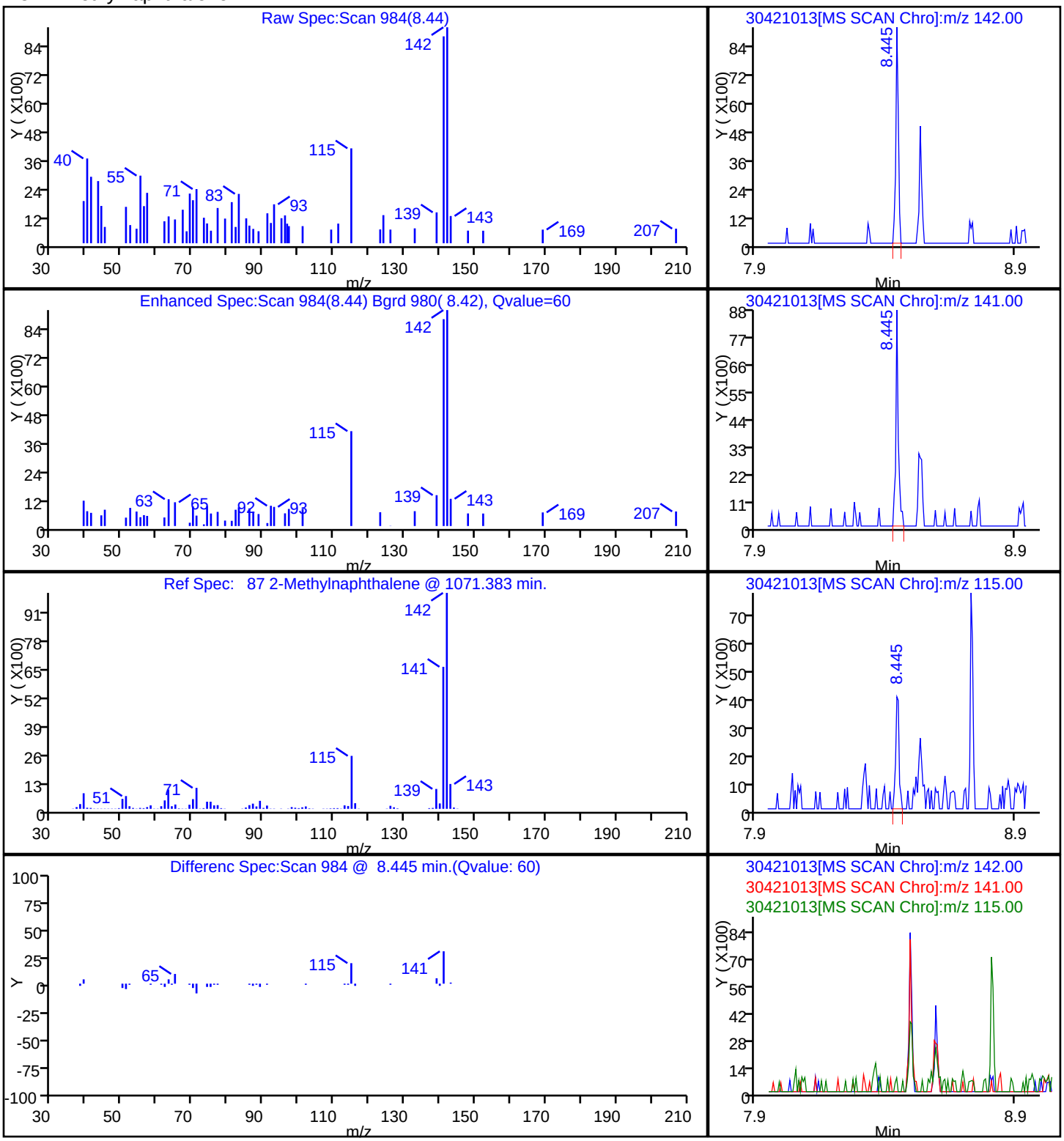
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene



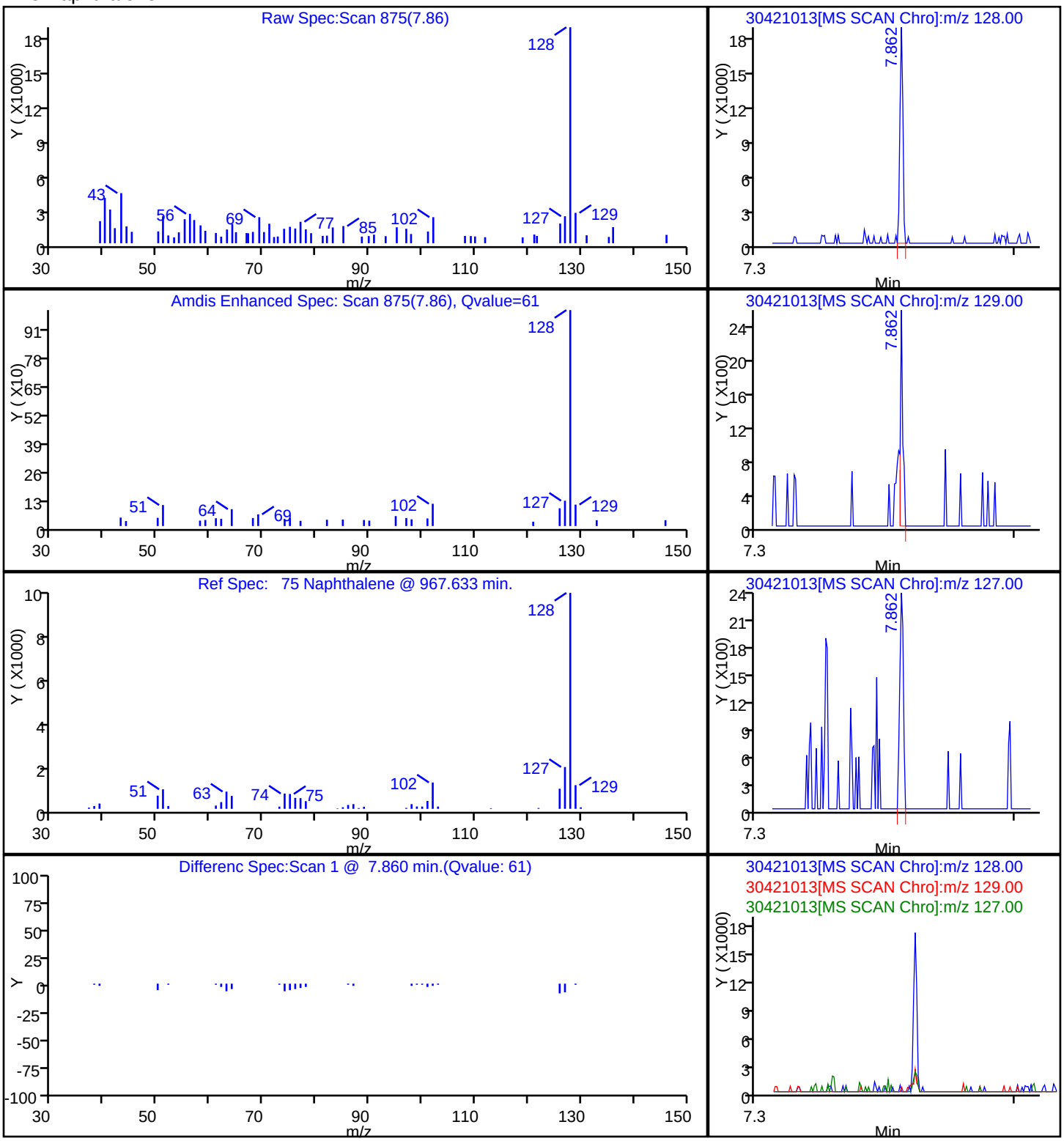
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



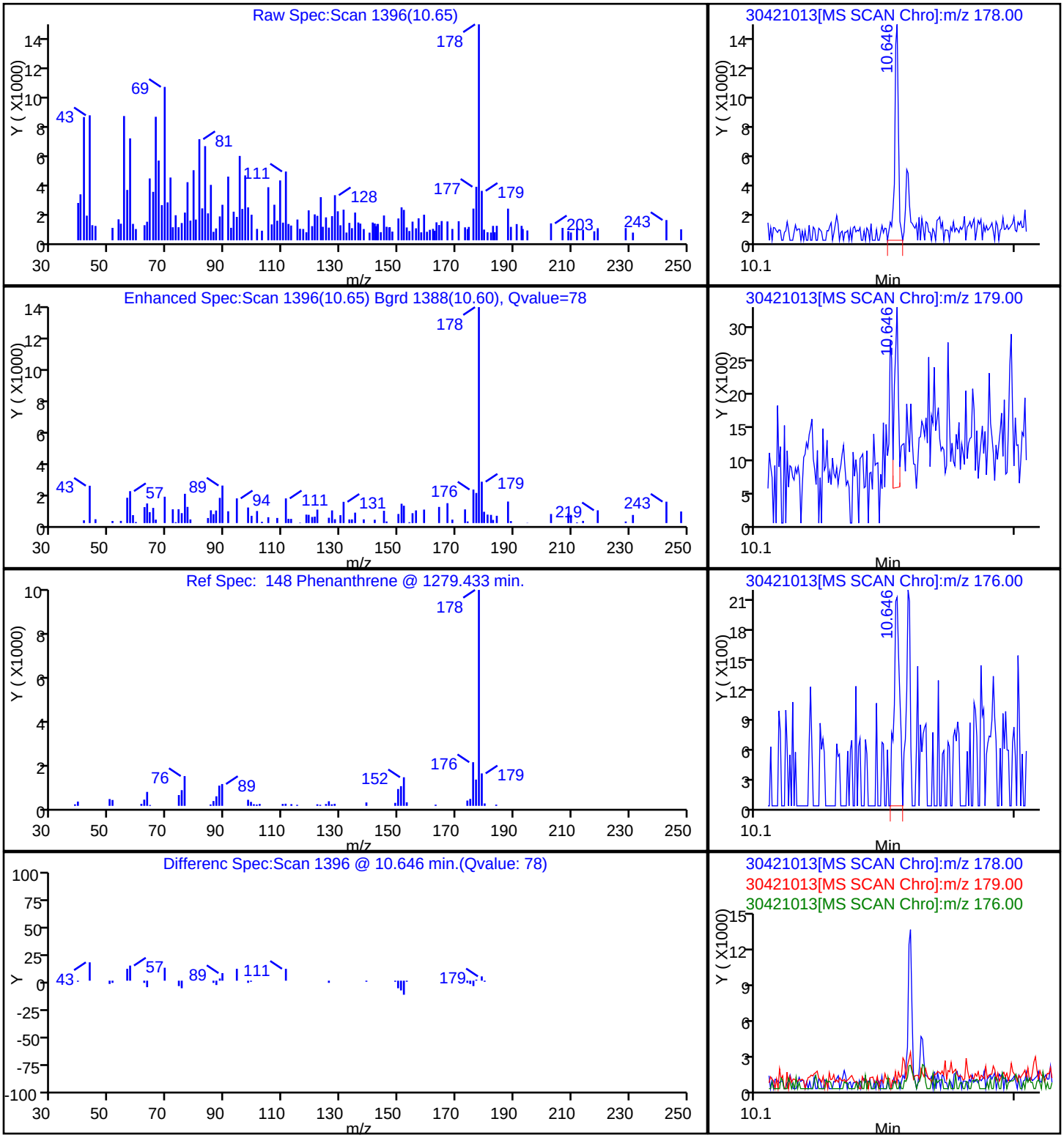
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



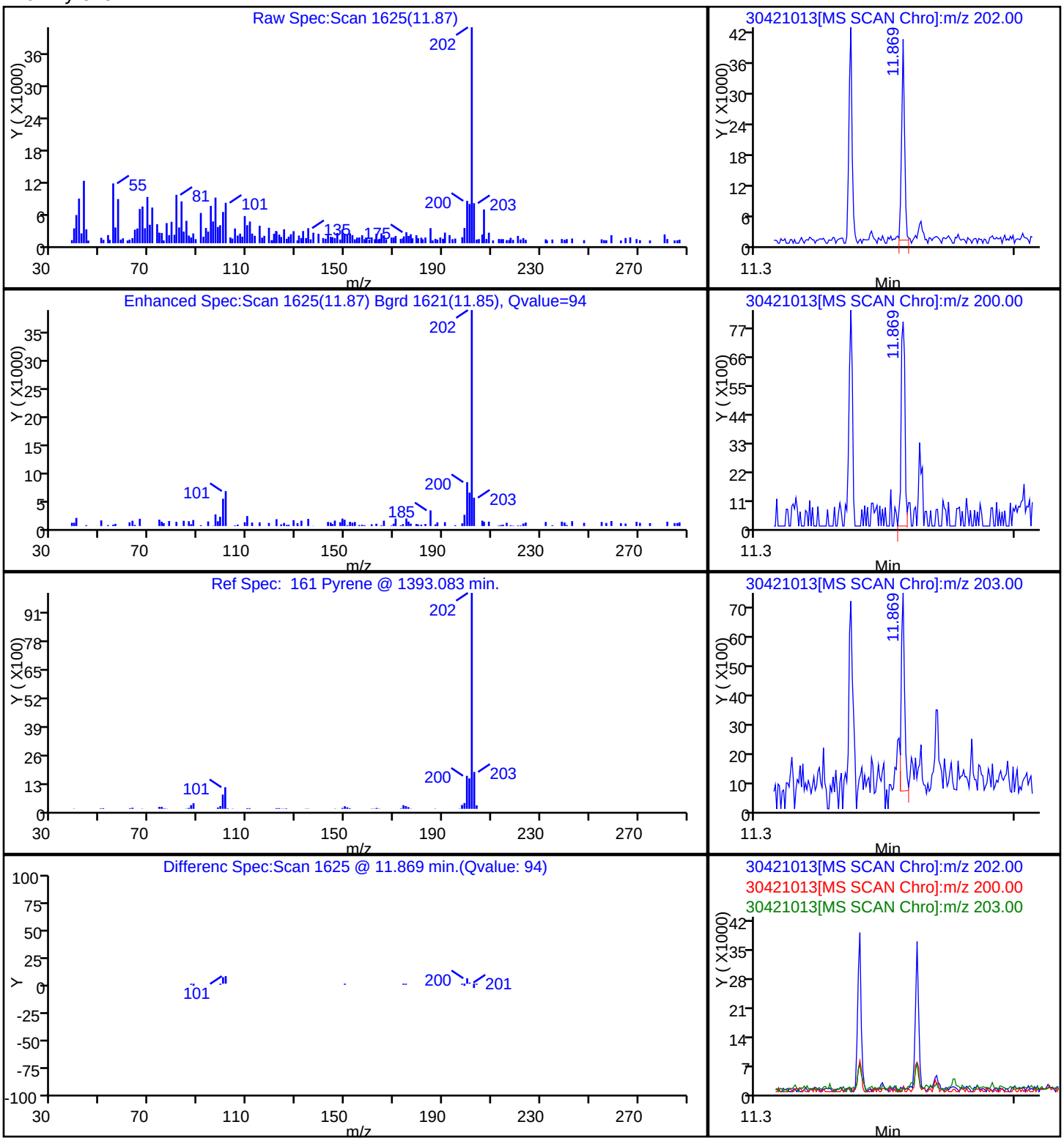
Report Date: 22-Apr-2013 08:55:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D

Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Pyrene



Manual Integration/User Assign Peak Report

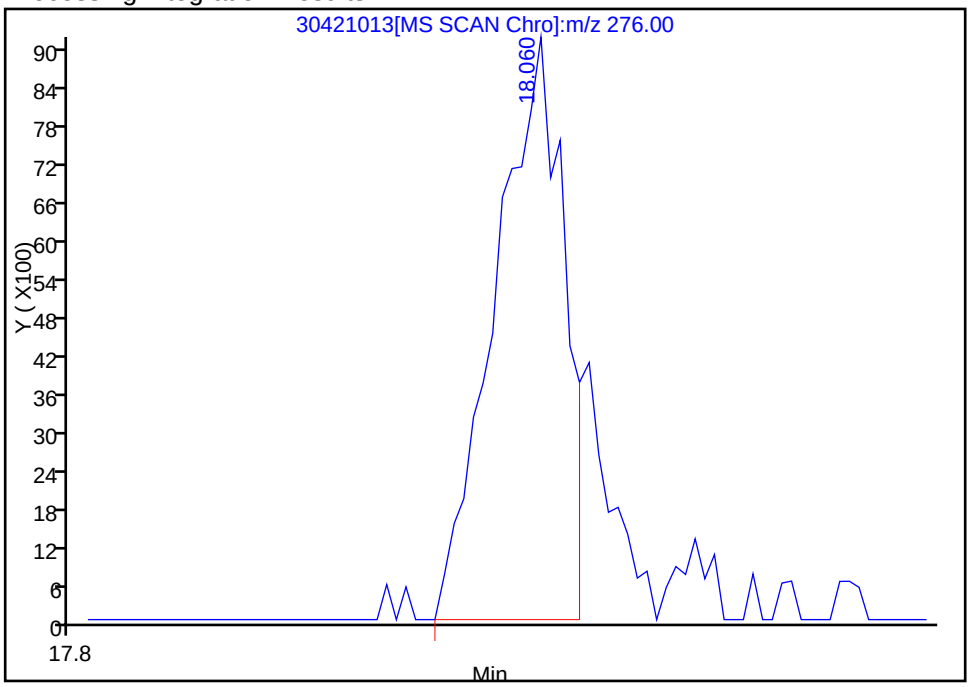
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D		
Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.07

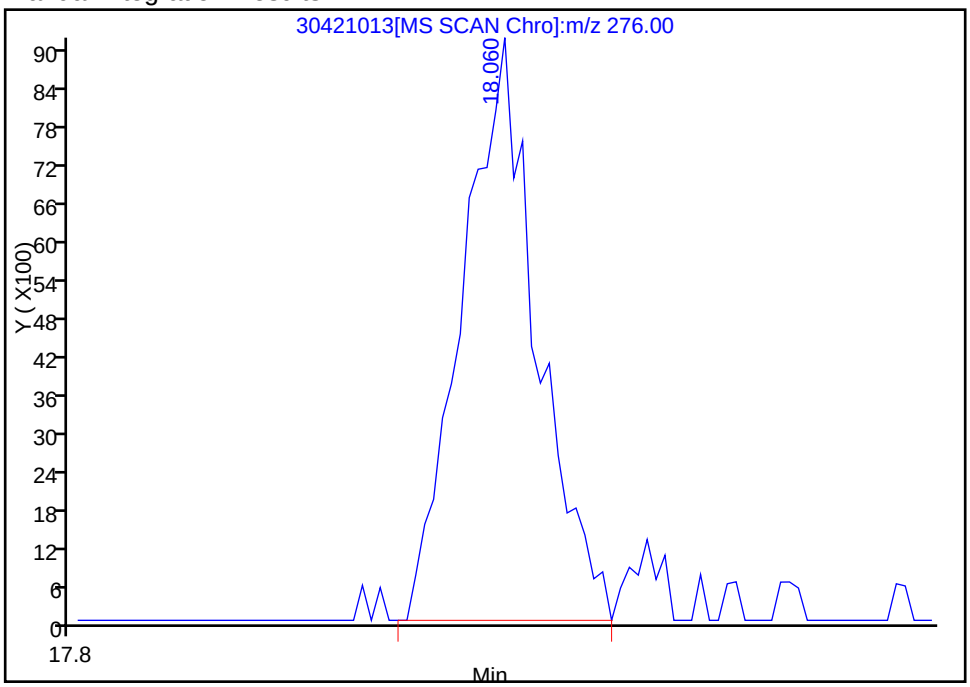
Processing Integration Results

RT: 18.06
Response: 24275
Amount: 0.149178



Manual Integration Results

RT: 18.06
Response: 28373
Amount: 0.174361



Reviewer: ulmanm, 22-Apr-2013 08:40:25
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

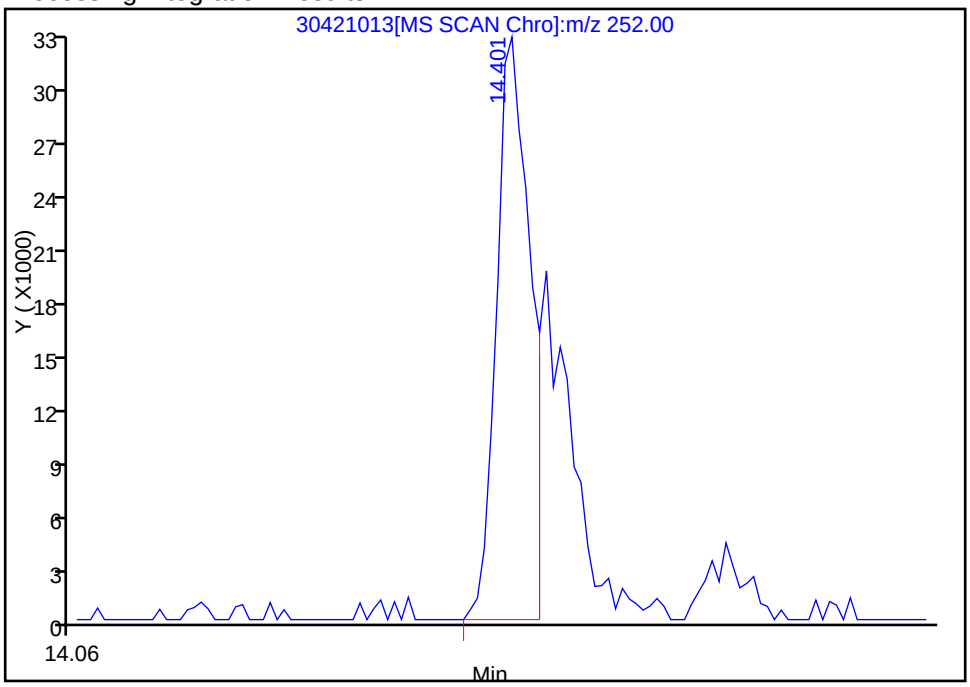
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D		
Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.45

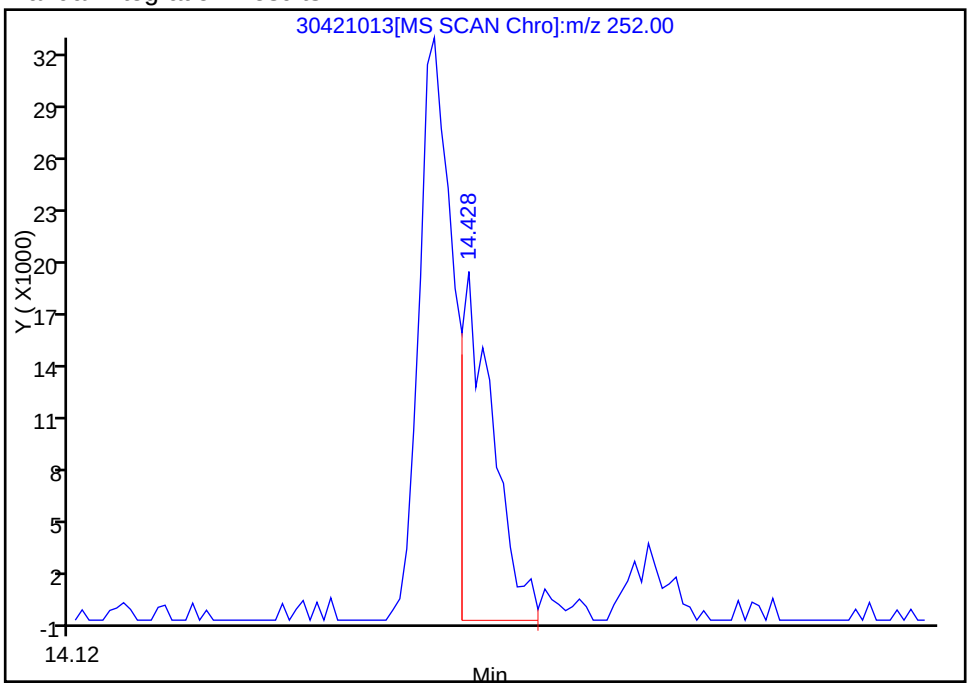
Processing Integration Results

RT: 14.40
Response: 58628
Amount: 0.260900



Manual Integration Results

RT: 14.43
Response: 32981
Amount: 0.146768



Reviewer: ulmanm, 22-Apr-2013 08:40:25
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

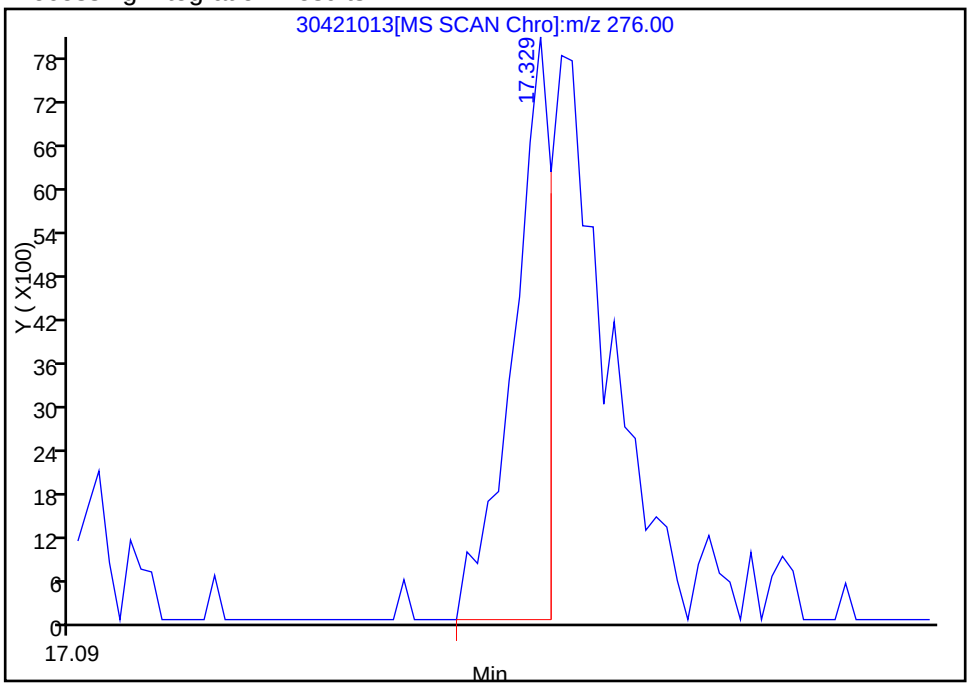
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421013.D		
Injection Date:	21-Apr-2013 16:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0030M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 17.35

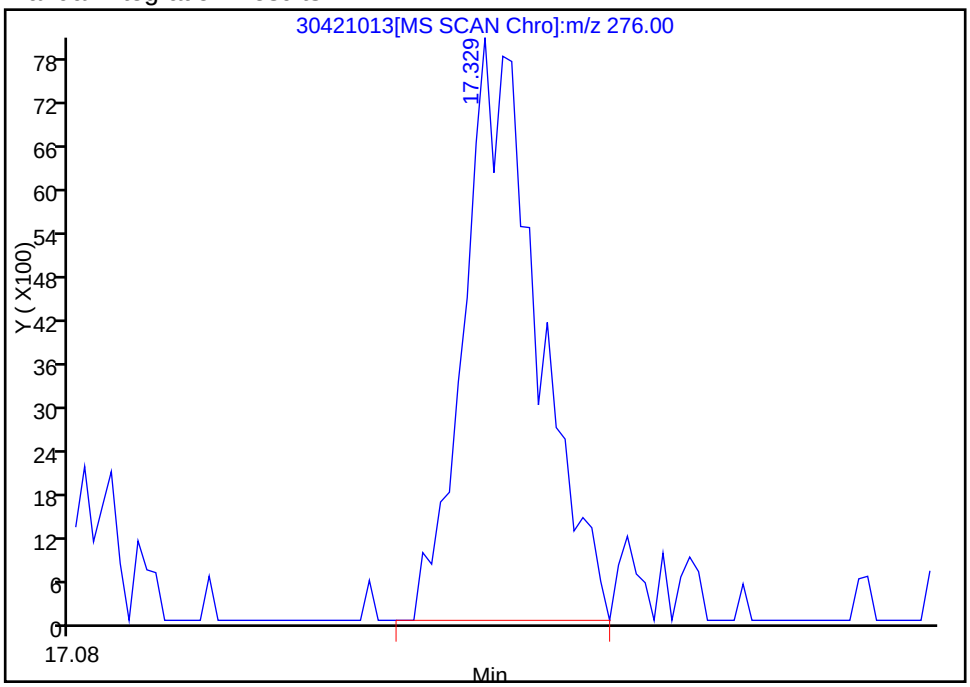
Processing Integration Results

RT: 17.33
Response: 10760
Amount: 0.054599



Manual Integration Results

RT: 17.33
Response: 24526
Amount: 0.124451



Reviewer: ulmanm, 22-Apr-2013 08:40:25
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0031M-0001-SO | Lab Sample ID: 240-22663-44

Matrix: Solid | Lab File ID: 30421019.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 13:44

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.40(g) | Date Analyzed: 04/21/2013 18:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	16	U	33	16	16
208-96-8	Acenaphthylene	16	U	33	16	16
120-12-7	Anthracene	16	U	33	16	16
56-55-3	Benzo[a]anthracene	16	U	33	16	16
50-32-8	Benzo[a]pyrene	16	U	33	16	16
205-99-2	Benzo[b]fluoranthene	21	J D	33	16	16
191-24-2	Benzo[g,h,i]perylene	16	U	33	16	16
65-85-0	Benzoic acid	1600	U	3300	1600	1600
207-08-9	Benzo[k]fluoranthene	16	U	33	16	16
100-51-6	Benzyl alcohol	130	U	1600	130	100
111-91-1	Bis(2-chloroethoxy)methane	130	U	490	130	110
111-44-4	Bis(2-chloroethyl)ether	16	U	490	16	9.9
108-60-1	bis (2-chloroisopropyl) ether	130	U	490	130	47
117-81-7	Bis(2-ethylhexyl) phthalate	130	U	350	130	94
101-55-3	4-Bromophenyl phenyl ether	130	U	250	130	64
85-68-7	Butyl benzyl phthalate	130	U	350	130	49
86-74-8	Carbazole	130	U	250	130	130
106-47-8	4-Chloroaniline	130	U	740	130	84
59-50-7	4-Chloro-3-methylphenol	130	U	740	130	100
91-58-7	2-Chloronaphthalene	16	U	250	16	16
95-57-8	2-Chlorophenol	130	U	250	130	130
7005-72-3	4-Chlorophenyl phenyl ether	130	U	250	130	64
218-01-9	Chrysene	16	U	33	16	5.4
53-70-3	Dibenz(a,h)anthracene	16	U	33	16	16
132-64-9	Dibenzofuran	16	U	250	16	16
95-50-1	1,2-Dichlorobenzene	130	U	250	130	48
541-73-1	1,3-Dichlorobenzene	130	U	250	130	54
106-46-7	1,4-Dichlorobenzene	130	U	250	130	99
91-94-1	3,3'-Dichlorobenzidine	390	U	490	390	89
120-83-2	2,4-Dichlorophenol	130	U	740	130	99
84-66-2	Diethyl phthalate	130	U	350	130	79
105-67-9	2,4-Dimethylphenol	390	U J	740	390	99
131-11-3	Dimethyl phthalate	130	U	350	130	84
84-74-2	Di-n-butyl phthalate	110	J D	350	130	74

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0031M-0001-SO | Lab Sample ID: 240-22663-44

Matrix: Solid | Lab File ID: 30421019.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 13:44

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.40(g) | Date Analyzed: 04/21/2013 18:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	390	U J	740	390	390
51-28-5	2,4-Dinitrophenol	390	U J	1600	390	390
121-14-2	2,4-Dinitrotoluene	130	U	990	130	130
606-20-2	2,6-Dinitrotoluene	130	U	990	130	100
117-84-0	Di-n-octyl phthalate	130	U	350	130	130
206-44-0	Fluoranthene	28	J D	33	16	16
86-73-7	Fluorene	16	U	33	16	16
118-74-1	Hexachlorobenzene	16	U	33	16	10
87-68-3	Hexachlorobutadiene	130	U	250	130	130
77-47-4	Hexachlorocyclopentadiene	130	U	1600	130	130
67-72-1	Hexachloroethane	130	U	250	130	44
193-39-5	Indeno[1,2,3-cd]pyrene	16	U	33	16	16
78-59-1	Isophorone	130	U	250	130	64
91-57-6	2-Methylnaphthalene	16	U	33	16	16
95-48-7	2-Methylphenol	390	U J	990	390	390
15831-10-4	3 & 4 Methylphenol	390	U	2000	390	99
91-20-3	Naphthalene	16	U	33	16	16
88-74-4	2-Nitroaniline	130	U	990	130	45
99-09-2	3-Nitroaniline	390	U	990	390	79
100-01-6	4-Nitroaniline	130	U	990	130	130
98-95-3	Nitrobenzene	16	U	490	16	11
88-75-5	2-Nitrophenol	130	U	250	130	130
100-02-7	4-Nitrophenol	390	U J	1600	390	390
621-64-7	N-Nitrosodi-n-propylamine	130	U	250	130	130
86-30-6	N-Nitrosodiphenylamine	130	U	250	130	100
87-86-5	Pentachlorophenol	390	U	740	390	390
85-01-8	Phenanthrene	16	U	33	16	16
108-95-2	Phenol	130	U	250	130	130
129-00-0	Pyrene	17	J D	33	16	16
120-82-1	1,2,4-Trichlorobenzene	130	U	250	130	130
95-95-4	2,4,5-Trichlorophenol	130	U	740	130	120
88-06-2	2,4,6-Trichlorophenol	390	U	740	390	390

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0031M-0001-SO | Lab Sample ID: 240-22663-44

Matrix: Solid | Lab File ID: 30421019.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 13:44

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.40(g) | Date Analyzed: 04/21/2013 18:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	61		45-105
367-12-4	2-Fluorophenol (Surr)	60		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	50		35-100
4165-62-2	Phenol-d5 (Surr)	63		40-100
1718-51-0	Terphenyl-d14 (Surr)	55		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	69		35-125

Report Date: 22-Apr-2013 08:55:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421019.D
Lims ID: 240-22663-C-44-C Client ID: 068SB-0031M-0001-SO
Inject. Date: 21-Apr-2013 18:45:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0019112-019
Misc. Info.: 240-22663-C-44-C =240-22663-C-44-C
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 82876 Lims Sample ID: 19
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:50:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.736	6.734	0.002	88	197021	4.00	
* 2 Naphthalene-d8	136	7.842	7.845	-0.003	99	830497	4.00	
* 3 Acenaphthene-d10	164	9.348	9.352	-0.004	78	494253	4.00	
* 4 Phenanthrene-d10	188	10.625	10.623	0.002	98	855695	4.00	
* 5 Chrysene-d12	240	12.997	13.001	-0.004	75	999579	4.00	
* 6 Perylene-d12	264	15.059	15.057	0.002	97	921310	4.00	
$ 7 2-Fluorophenol	112	5.555	5.532	0.023	93	143860	1.80	
$ 8 Phenol-d5	99	6.362	6.360	0.002	87	204338	1.90	
$ 9 Nitrobenzene-d5	82	7.201	7.204	-0.003	85	122808	1.00	
$ 10 2-Fluorobiphenyl (Surr)	172	8.734	8.738	-0.004	98	179066	1.22	
$ 11 2,4,6-Tribromophenol	330	10.021	10.020	0.001	83	33145	2.08	
$ 12 Terphenyl-d14	244	11.934	11.937	-0.003	98	197361	1.10	
43 Phenol	94		6.371					9
69 Bis(2-chloroethyl)ether	93		6.462					
46 2-Chlorophenol	128		6.553					
47 1,3-Dichlorobenzene	146		6.691					9
48 1,4-Dichlorobenzene	146		6.750					9
49 Benzyl alcohol	108		6.825					9
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					9
53 2,2'-oxybis[1-chloropropane]	45		6.937					
21 3 & 4 Methylphenol	108		7.028					
57 N-Nitrosodi-n-propylamine	70		7.044					9
61 Hexachloroethane	117		7.194					
62 Nitrobenzene	77		7.220					
64 Isophorone	82		7.418					9
65 2,4-Dimethylphenol	107		7.493					
66 2-Nitrophenol	139		7.498					
71 Benzoic acid	122		7.546					
70 Bis(2-chloroethoxy)methane	93		7.568					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.701					
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128		7.861					9
76 4-Chloroaniline	127		7.872					
79 Hexachlorobutadiene	225		7.958					
86 4-Chloro-3-methylphenol	107		8.262					
87 2-Methylnaphthalene	142		8.449					9
89 Hexachlorocyclopentadiene	237		8.588					
92 2,4,6-Trichlorophenol	196		8.673					
93 2,4,5-Trichlorophenol	196		8.711					
100 2-Chloronaphthalene	162		8.871					
102 2-Nitroaniline	65		8.924					9
105 Dimethyl phthalate	163		9.047					
107 2,6-Dinitrotoluene	165		9.111					
109 Acenaphthylene	152		9.234					9
110 3-Nitroaniline	138		9.272					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109		9.373					
112 Acenaphthene	153		9.379					9
114 2,4-Dinitrotoluene	165		9.464					9
116 Dibenzofuran	168		9.523					9
121 Diethyl phthalate	149		9.640					9
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					9
126 Fluorene	166		9.817					9
128 4,6-Dinitro-2-methylphenol	198		9.822					
131 N-Nitrosodiphenylamine	169		9.875					9
139 4-Bromophenyl phenyl ether	248		10.201					9
141 Hexachlorobenzene	284		10.303					
143 Pentachlorophenol	266		10.452					9
148 Phenanthrene	178		10.645					
149 Anthracene	178		10.687					
151 Carbazole	167		10.800					
154 Di-n-butyl phthalate	149	11.015	11.013	0.002	51	5624	0.3426	
159 Fluoranthene	202	11.667	11.665	0.002	86	13514	0.0863	
161 Pyrene	202	11.870	11.873	-0.003	60	11176	0.0507	
168 Butyl benzyl phthalate	149		12.311					
173 Bis(2-ethylhexyl) phthalate	149	12.831	12.830	0.001	91	24080	0.1788	
175 3,3'-Dichlorobenzidine	252		12.899					
177 Benzo[a]anthracene	228		12.985					9
178 Chrysene	228		13.027					9
180 Di-n-octyl phthalate	149		13.577					9
182 Benzo[b]fluoranthene	252	14.407	14.406	0.001	63	15012	0.0630	
183 Benzo[k]fluoranthene	252		14.448					
184 Benzo[a]pyrene	252		14.966					9
189 Dibenz(a,h)anthracene	278		17.354					
188 Indeno[1,2,3-cd]pyrene	276		17.354					9
190 Benzo[g,h,i]perylene	276		18.070					9

QC Flag Legend

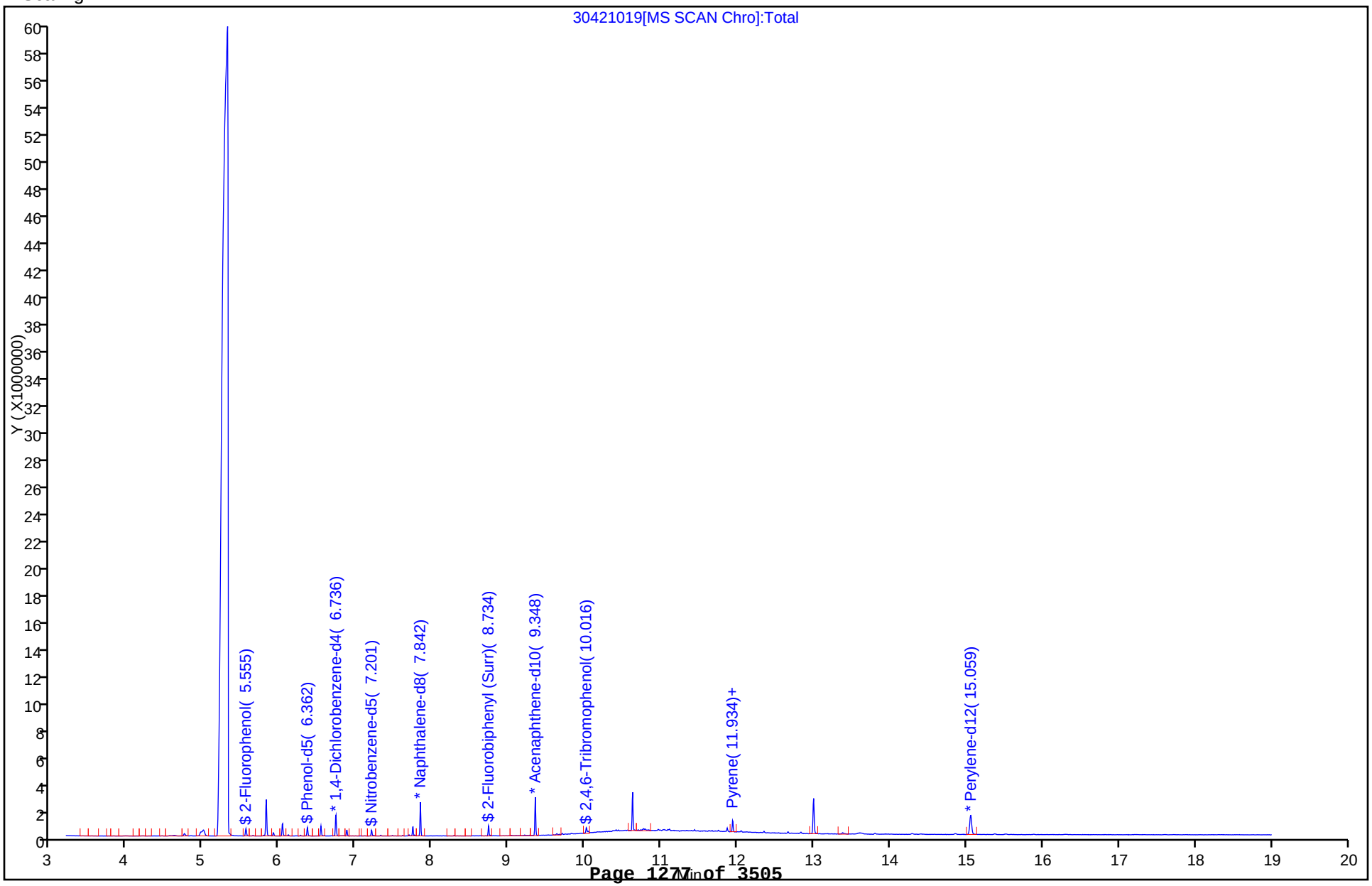
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9 - Failed A Reference Spectral Test

Report Date: 22-Apr-2013 08:55:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421019.D		
Injection Date:	21-Apr-2013 18:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0031M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



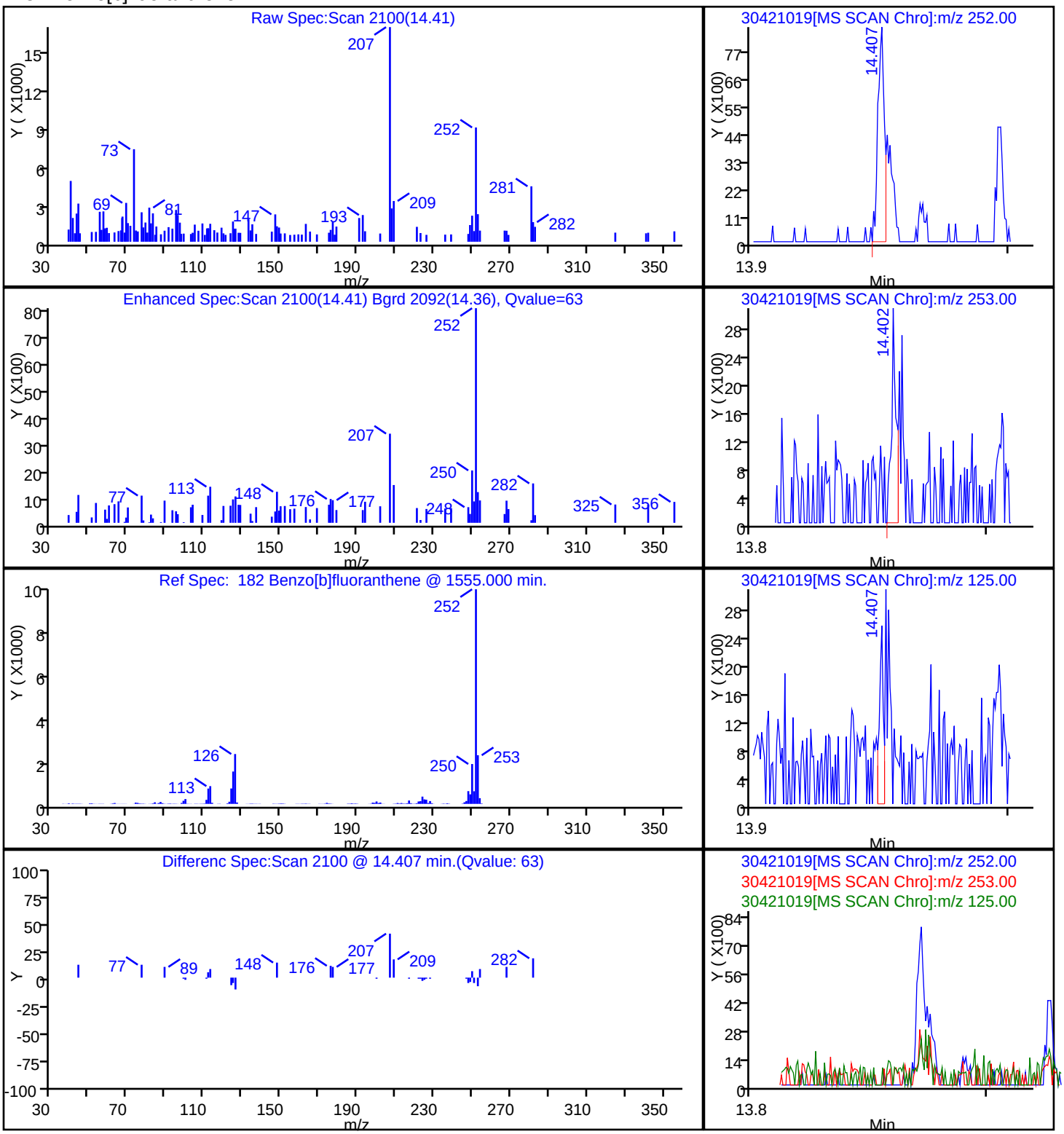
Report Date: 22-Apr-2013 08:55:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421019.D

Injection Date:	21-Apr-2013 18:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0031M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



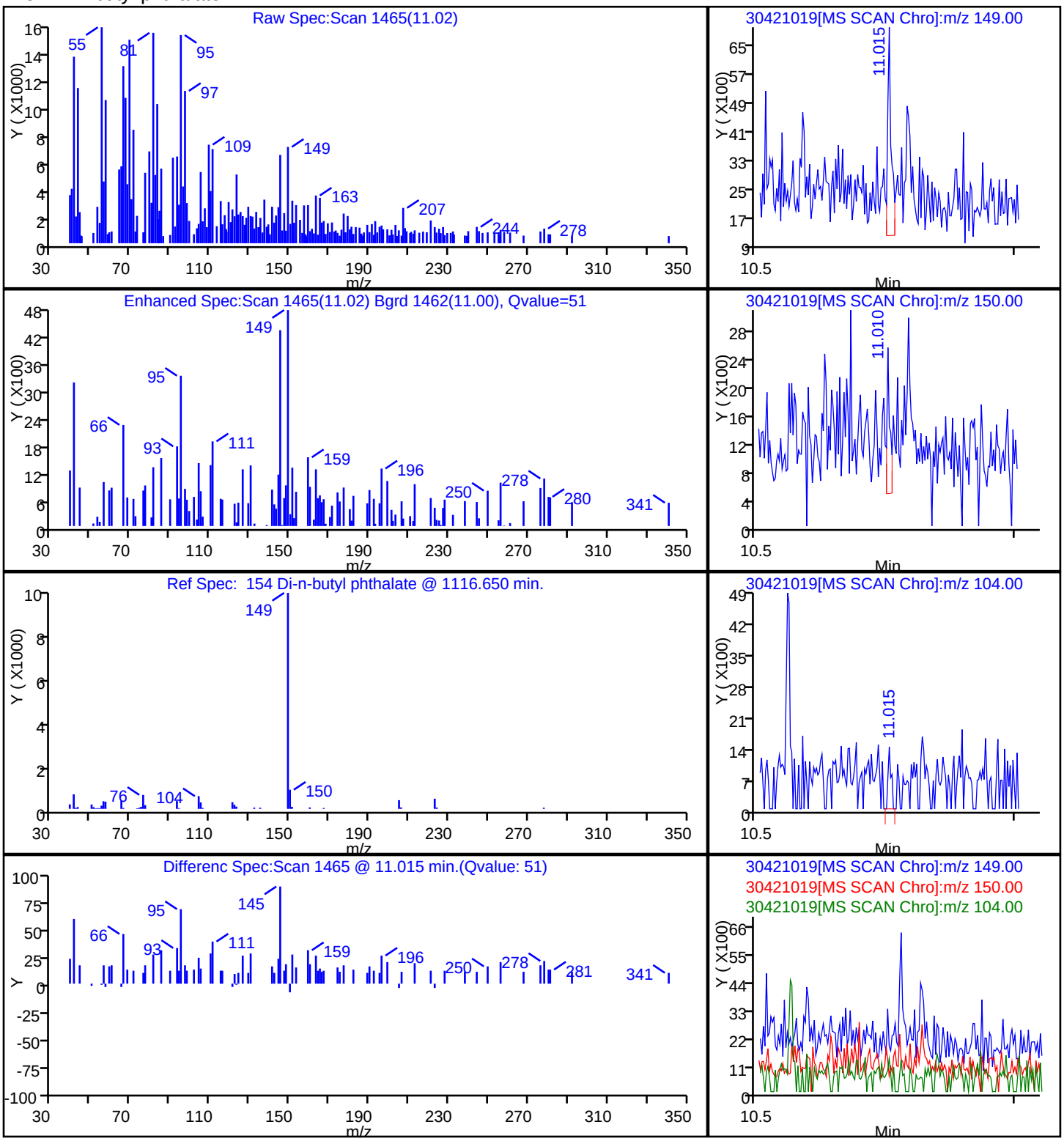
Report Date: 22-Apr-2013 08:55:51 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421019.D

Injection Date:	21-Apr-2013 18:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0031M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

154 Di-n-butyl phthalate



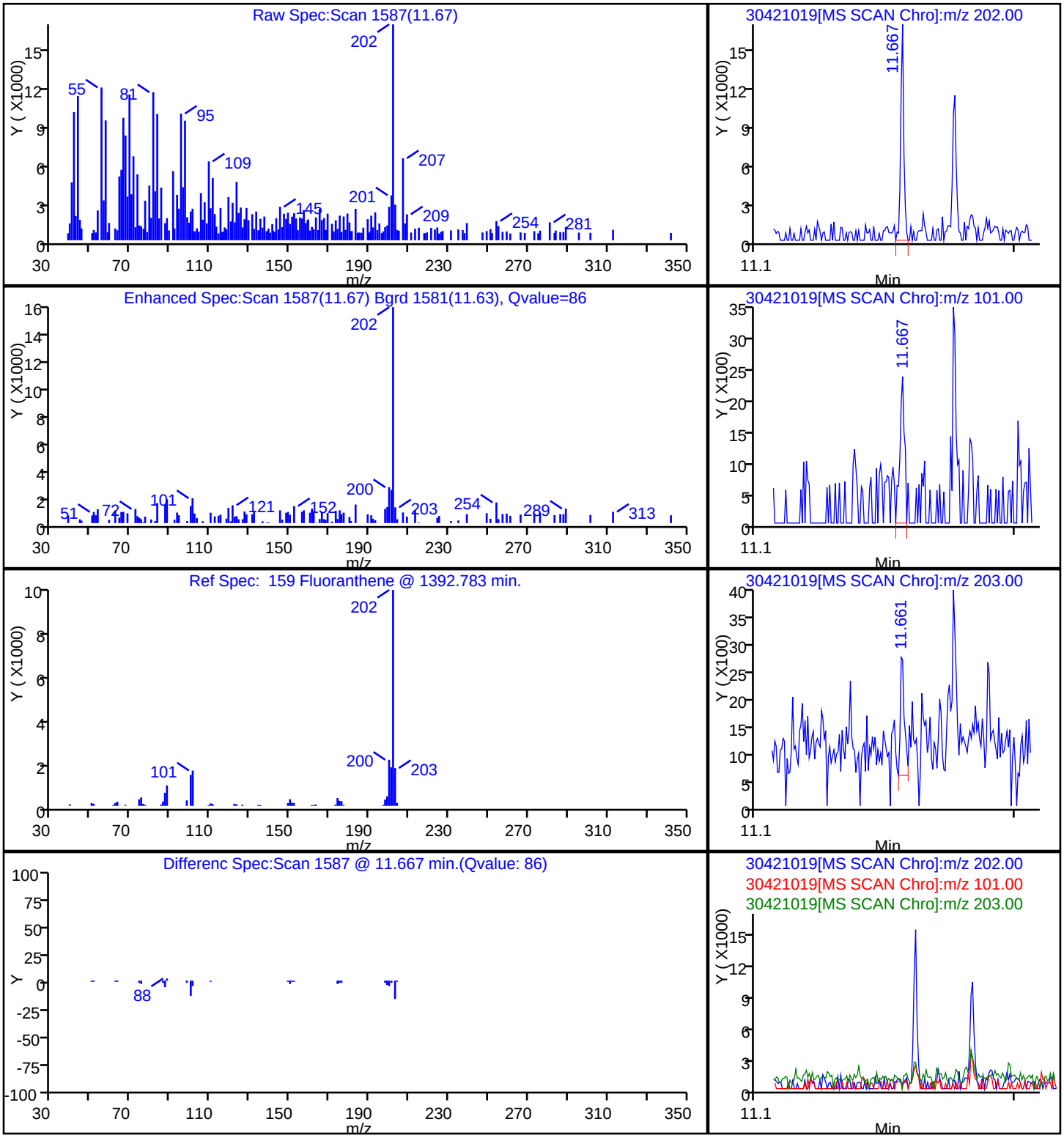
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421019.D

Injection Date:	21-Apr-2013 18:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0031M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



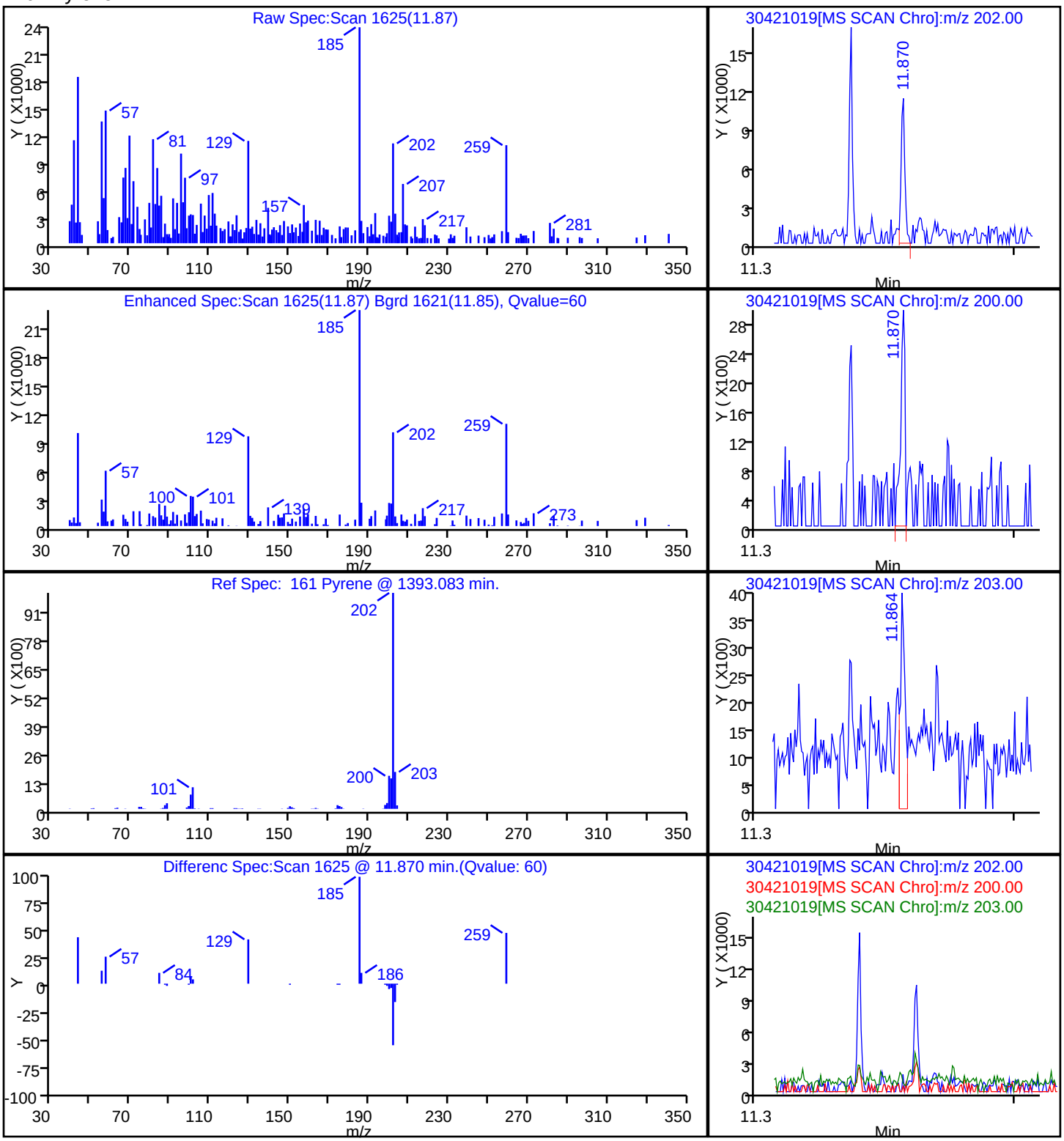
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TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421019.D

Injection Date:	21-Apr-2013 18:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SB-0031M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Pyrene



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 82668

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:42 Calibration End Date: 04/19/2013 14:12 Calibration ID: 14643

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-82668/6	30419106.D
Level 2	STD2 240-82668/5	30419105.D
Level 3	STD3 240-82668/4	30419104.D
Level 4	STD4 240-82668/3	30419103.D
Level 5	STD5 240-82668/2	30419102.D
Level 6	STD6 240-82668/10	30419110.D
Level 7	STD7 240-82668/9	30419109.D
Level 8	STD8 240-82668/8	30419108.D
Level 9	STD9 240-82668/7	30419107.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.7889	0.7028 0.7952	0.8273 0.8811	0.8562 0.8409	0.8329	Ave		0.8157			0.0500	6.7		15.0			
N-Nitrosodimethylamine	1.3424	1.2284 1.3242	1.2749 1.4765	1.3405 1.4072	1.3855	Ave		1.3475			0.0500	5.7		15.0			
Pyridine	2.1614	2.2581 2.1611	2.1996 2.3892	2.2667 2.2623	2.2945	Ave		2.2491			0.0500	3.4		15.0			
Benzaldehyde	1.9036 1.6848	1.7454 1.6293	1.7689 1.7481	1.8039 1.5765	1.8015	Ave		1.7402			0.0500	5.7		15.0			
Phenol	2.1793	2.3106 2.1287	2.2720 2.3488	2.2338 2.2204	2.2824	Ave		2.2470			0.0500	3.2		15.0			
Aniline	2.7826	2.6518 2.7891	2.9364 3.1310	2.9838 3.0064	2.9272	Ave		2.9010			0.0500	5.2		15.0			
Bis(2-chloroethyl)ether	1.9837	2.0082 1.9166	2.0776 2.0937	1.9442 1.9814	2.0941	Ave		2.0124			0.0500	3.4		15.0			
2-Chlorophenol	1.2548	1.2331 1.2433	1.2655 1.3544	1.3573 1.2735	1.3493	Ave		1.2914			0.0500	4.1		15.0			
1,3-Dichlorobenzene	1.3289	1.2974 1.2990	1.3495 1.4393	1.3730 1.3492	1.3953	Ave		1.3539			0.0500	3.6		15.0			
1,4-Dichlorobenzene	1.3507	1.4385 1.3181	1.4105 1.4573	1.3787 1.3782	1.4162	Ave		1.3935			0.0500	3.3		15.0			
Benzyl alcohol	1.0051	0.9464 0.9972	0.9498 1.0935	0.9828 1.0338	1.0511	Ave		1.0075			0.0500	5.0		15.0			
1,2-Dichlorobenzene	1.2564	1.2381 1.2221	1.3538 1.3549	1.2953 1.2907	1.3440	Ave		1.2944			0.0500	4.1		15.0			
2-Methylphenol	1.4035	1.3918 1.3534	1.4284 1.5139	1.4448 1.4134	1.4730	Ave		1.4278			0.0500	3.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 82668

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:42 Calibration End Date: 04/19/2013 14:12 Calibration ID: 14643

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
bis (2-chloroisopropyl) ether	1.8155	1.8870 1.8056	1.8712 1.9808	1.9154 1.8682	1.9267	Ave		1.8838			0.0500	3.1		15.0			
Indene	2.5848	2.5852 2.5216	2.6980 2.7869	2.7108 2.6225	2.6919	Ave		2.6502			0.0500	3.3		15.0			
3 & 4 Methylphenol	1.4835	1.3787 1.4559	1.4652 1.5964	1.4544 1.4997	1.5508	Ave		1.4856			0.0500	4.4		15.0			
N-Nitrosodi-n-propylamine	1.5206	1.3391 1.5197	1.4398 1.6343	1.5372 1.5822	1.5788	Ave		1.5190			0.0500	6.1		15.0			
Acetophenone	2.3192	2.2704 2.2894	2.4006 2.5087	2.4135 2.3839	2.4007	Ave		2.3733			0.0500	3.3		15.0			
Hexachloroethane	0.6340	0.6468 0.6317	0.6645 0.7045	0.6706 0.6539	0.6811	Ave		0.6609			0.0500	3.7		15.0			
Nitrobenzene	0.5212	0.5176 0.5411	0.5123 0.5721	0.5178 0.5592	0.5323	Ave		0.5342			0.0500	4.1		15.0			
Isophorone	0.8807	0.7891 0.9045	0.8400 0.9662	0.8567 0.9451	0.8907	Ave		0.8841			0.0500	6.4		15.0			
2,4-Dimethylphenol	0.3637	0.3743 0.3645	0.3822 0.3768	0.3945 0.3735	0.3699	Ave		0.3749			0.0500	2.7		15.0			
2-Nitrophenol	0.1594	0.1354 0.1651	0.1501 0.1699	0.1594 0.1653	0.1648	Ave		0.1587			0.0500	7.0		15.0			
Benzoic acid	0.1888	+++++ 0.2019	0.0901 0.2141	0.1195 0.2073	0.1735	Lin1	-0.305	0.2134			0.0500				0.9980		0.9950
Bis(2-chloroethoxy)methane	0.5076	0.4864 0.5122	0.4998 0.5304	0.5188 0.5133	0.5252	Ave		0.5117			0.0500	2.7		15.0			
2,4-Dichlorophenol	0.2411	0.2370 0.2459	0.2335 0.2597	0.2428 0.2521	0.2517	Ave		0.2455			0.0500	3.5		15.0			
1,2,4-Trichlorobenzene	0.2685	0.2890 0.2781	0.2806 0.2918	0.2736 0.2801	0.2880	Ave		0.2812			0.0500	2.8		15.0			
Naphthalene	1.0014 0.9360	0.9562 0.9506	0.9875 0.9923	0.9663 0.9678	0.9494	Ave		0.9675			0.0500	2.3		15.0			
4-Chloroaniline	0.5001	0.4755 0.5045	0.5142 0.5345	0.5060 0.5142	0.5197	Ave		0.5086			0.0500	3.4		15.0			
Hexachlorobutadiene	0.1621	0.1424 0.1653	0.1798 0.1763	0.1662 0.1698	0.1702	Ave		0.1665			0.0500	6.8		15.0			
Caprolactam	0.1056	0.1064 0.1077	0.1021 0.1154	0.1108 0.1126	0.1107	Ave		0.1089			0.0500	3.9		15.0			
4-Chloro-3-methylphenol	0.3318	0.3194 0.3357	0.3131 0.3589	0.3312 0.3473	0.3370	Ave		0.3343			0.0500	4.3		15.0			
2-Methylnaphthalene	0.6441 0.5895	0.5921 0.5968	0.6059 0.6295	0.6151 0.6058	0.6103	Ave		0.6099			0.0500	2.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 82668

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:42 Calibration End Date: 04/19/2013 14:12 Calibration ID: 14643

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.6127 0.5509	0.5803 0.5583	0.5505 0.5844	0.5619 0.5692	0.5627	Ave		0.5701			0.0500	3.5		15.0			
Hexachlorocyclopentadiene	0.3241	0.2645 0.3290	0.2662 0.3621	0.3172 0.3525	0.3400	Ave		0.3194			0.0500	11.0		15.0			
1,2,4,5-Tetrachlorobenzene	0.4434	0.4538 0.4437	0.4672 0.4847	0.4691 0.4664	0.4481	Ave		0.4596			0.0500	3.2		15.0			
2,4,6-Trichlorophenol	0.2956	0.2344 0.3029	0.2637 0.3310	0.2868 0.3194	0.2960	Ave		0.2912			0.0500	11.0		15.0			
2,4,5-Trichlorophenol	0.2991	0.2401 0.3082	0.2546 0.3388	0.3020 0.3262	0.3084	Ave		0.2972			0.0500	11.0		15.0			
1,1'-Biphenyl	1.4684 1.2783	1.2789 1.3001	1.3001 1.4097	1.3247 1.3675	1.2772	Ave		1.3339			0.0500	5.1		15.0			
2-Chloronaphthalene	1.1043 0.9460	0.9607 0.9686	0.9506 1.0479	0.9905 1.0160	0.9582	Ave		0.9937			0.0500	5.4		15.0			
2-Nitroaniline	0.4615	0.3569 0.4560	0.3767 0.4875	0.4370 0.4687	0.4590	Ave		0.4379			0.0500	11.0		15.0			
Dimethyl phthalate	1.0040	1.0427 0.9860	1.0362 1.0502	1.0958 1.0057	1.1103	Ave		1.0414			0.0500	4.2		15.0			
1,3-Dinitrobenzene	0.1753	0.1198 0.1773	0.1473 0.1955	0.1686 0.1893	0.1807	Ave		0.1692			0.0500	15.0		15.0			
2,6-Dinitrotoluene	0.2406	0.2072 0.2332	0.2374 0.2566	0.2505 0.2406	0.2543	Ave		0.2401			0.0500	6.5		15.0			
Acenaphthylene	1.5682 1.5009	1.4181 1.5172	1.4403 1.6948	1.5448 1.6387	1.5145	Ave		1.5375			0.0500	5.7		15.0			
3-Nitroaniline	0.2345	0.2184 0.2546	0.2406 0.2890	0.2708 0.2861	0.2710	Ave		0.2581			0.0500	9.8		15.0			
2,4-Dinitrophenol	0.1417	+++++ 0.1607	0.0847 0.1871	0.1162 0.1847	0.1397	Qua	-0.125	0.1359	0.0011		0.0500				0.9960		0.9950
4-Nitrophenol	0.2228	0.1746 0.2333	0.1908 0.2561	0.1778 0.2442	0.2086	Ave		0.2135			0.0500	14.0		15.0			
Acenaphthene	1.0269 0.9614	0.9815 0.9341	0.9507 0.9842	0.9893 0.9359	0.9652	Ave		0.9699			0.0500	3.0		15.0			
2,4-Dinitrotoluene	0.2899	0.2300 0.3163	0.2862 0.3570	0.3132 0.3500	0.3011	Ave		0.3054			0.0500	13.0		15.0			
Dibenzofuran	1.4834 1.3623	1.3649 1.3638	1.3606 1.4719	1.3980 1.4052	1.3799	Ave		1.3989			0.0500	3.4		15.0			
2,3,4,6-Tetrachlorophenol	0.2197	0.1914 0.2227	0.2171 0.2588	0.2433 0.2532	0.2434	Ave		0.2312			0.0500	9.7		15.0			
Diethyl phthalate	0.8363	1.0291 0.8859	1.0198 1.0159	1.0399 1.0171	0.9140	Ave		0.9697			0.0500	8.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 82668

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:42 Calibration End Date: 04/19/2013 14:12 Calibration ID: 14643

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Chlorophenyl phenyl ether	0.5382	0.5361 0.5340	0.5484 0.5687	0.5722 0.5191	0.5674	Ave		0.5480			0.0500	3.6		15.0			
4-Nitroaniline	0.2668	0.2071 0.2951	0.2210 0.3278	0.2068 0.3122	0.2426	Lin	-0.240	0.3226			0.0500				0.9950		0.9950
Fluorene	1.2006 1.0560	1.1469 1.0276	1.1010 1.0457	1.1765 0.9945	1.1233	Ave		1.0969			0.0500	6.4		15.0			
4,6-Dinitro-2-methylphenol	0.1476	+++++ 0.1454	0.0827 0.1467	0.0931 0.1441	0.1353	Lin1	-0.158	0.1499			0.0500				0.9990		0.9950
N-Nitrosodiphenylamine	0.4703	0.4624 0.4316	0.4881 0.4449	0.4976 0.4365	0.5376	Ave		0.4711			0.0500	7.6		15.0			
1,2-Diphenylhydrazine(as Azobenzene)	1.2848	1.0447 1.1421	1.1003 1.1212	1.1625 1.0709	1.3704	Ave		1.1618			0.0500	9.5		15.0			
Azobenzene	1.2852	1.0447 1.1422	1.1003 1.1212	1.1625 1.0710	1.3672	Ave		1.1618			0.0500	9.5		15.0			
4-Bromophenyl phenyl ether	0.1865	0.1645 0.1630	0.1898 0.1632	0.1892 0.1552	0.2092	Ave		0.1776			0.0500	11.0		15.0			
Atrazine	0.2120	0.1319 0.1917	0.1438 0.1869	0.1669 0.1757	0.2189	Qua	-0.153	0.2373	-0.001		0.0500				0.9990		0.9950
Hexachlorobenzene	0.1850 0.1935	0.1750 0.1711	0.1764 0.1667	0.1848 0.1578	0.2194	Ave		0.1811			0.0500	9.9		15.0			
Pentachlorophenol	0.1265	+++++ 0.1247	0.0763 0.1279	0.0880 0.1241	0.1132	Lin1	-0.124	0.1288			0.0500				0.9990		0.9950
Phenanthrene	1.1817 0.9512	0.9258 0.9553	0.9635 1.0113	0.9435 1.0018	0.9487	Ave		0.9870			0.0500	7.9		15.0			
Anthracene	0.9503 0.9726	0.8852 0.9959	0.9351 1.0591	0.9575 1.0376	0.9911	Ave		0.9760			0.0500	5.4		15.0			
Carbazole	1.0216	0.7342 0.9803	0.7480 1.0069	0.6592 0.9565	0.9788	Lin1	-0.220	0.9943			0.0500				0.9970		0.9950
Di-n-butyl phthalate	1.2939	0.6422 1.2210	0.6742 1.2311	0.8542 1.1892	1.2911	Lin1	-0.401	1.2481			0.0500				0.9970		0.9950
Fluoranthene	0.9736 1.3020	0.7437 1.2005	0.7948 1.2213	0.8466 1.1653	1.2896	Lin	-0.040	1.2004			0.0500				0.9970		0.9950
Benzidine	0.4181	0.3068 0.4160	0.3706 0.4271	0.3908 0.3840	0.4140	Ave		0.3909			0.0500	10.0		15.0			
Pyrene	0.9268 0.9449	0.6913 0.9675	0.7078 1.0055	0.7687 0.9841	0.9491	Ave		0.8829			0.0500	14.0		15.0			
Butyl benzyl phthalate	0.4102	0.3277 0.4183	0.3584 0.4503	0.3843 0.4488	0.4209	Ave		0.4024			0.0500	11.0		15.0			
Bis(2-ethylhexyl) phthalate	0.5560	0.3794 0.5845	0.4744 0.6268	0.4992 0.6129	0.5779	Ave		0.5389			0.0500	15.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 82668

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:42 Calibration End Date: 04/19/2013 14:12 Calibration ID: 14643

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
3,3'-Dichlorobenzidine	0.3263	0.2196 0.3318	0.2650 0.3527	0.2780 0.3426	0.3209	Ave		0.3046			0.0500	15.0		15.0			
Benzo[a]anthracene	1.0308 0.9234	0.8578 0.9520	0.8899 1.0307	0.8912 1.0059	0.9285	Ave		0.9456			0.0500	6.8		15.0			
Chrysene	0.9282 0.8858	0.8912 0.9056	0.8824 0.9784	0.8781 0.9665	0.8749	Ave		0.9101			0.0500	4.3		15.0			
Di-n-octyl phthalate	1.2383	0.6966 1.2881	0.9755 1.4407	1.0464 1.4128	1.2534	Lin1	-0.446	1.3897			0.0500				0.9970		0.9950
Benzo[b]fluoranthene	0.9932 1.0640	0.8236 1.0963	0.9156 1.2007	0.9835 1.1570	1.0705	Ave		1.0338			0.0500	11.0		15.0			
Benzo[k]fluoranthene	1.0891 1.1675	1.0550 1.1914	1.1915 1.3474	1.0974 1.2704	1.1423	Ave		1.1724			0.0500	7.9		15.0			
Benzo[a]pyrene	0.9587 1.0310	0.8249 1.0674	0.9118 1.1810	0.9809 1.1227	1.0417	Ave		1.0133			0.0500	11.0		15.0			
Indeno[1,2,3-cd]pyrene	0.8325 1.0244	0.8892 1.0610	1.0056 1.1775	1.0752 1.1216	1.0671	Ave		1.0282			0.0500	11.0		15.0			
Dibenz(a,h)anthracene	0.6630 0.8439	0.6588 0.8855	0.8103 0.9908	0.8400 0.9551	0.8857	Ave		0.8370			0.0500	14.0		15.0			
Benzo[g,h,i]perylene	0.7052 0.8358	0.7729 0.8646	0.8552 0.9351	0.8955 0.9035	0.8734	Ave		0.8490			0.0500	8.3		15.0			
2-Fluorophenol (Surr)	1.5767	1.5944 1.5687	1.6208 1.7216	1.6273 1.6319	1.6612	Ave		1.6253			0.0500	3.0		15.0			
Phenol-d5 (Surr)	2.0809	2.3427 2.0415	2.2107 2.2639	2.2005 2.0982	2.2293	Ave		2.1835			0.0500	4.7		15.0			
Nitrobenzene-d5 (Surr)	0.7006 0.5632	0.5548 0.5793	0.5536 0.6068	0.5662 0.5995	0.5844	Ave		0.5898			0.0500	7.7		15.0			
2-Fluorobiphenyl (Surr)	1.4306 1.1231	1.1170 1.1328	1.1726 1.2328	1.1639 1.1971	1.1455	Ave		1.1906			0.0500	8.2		15.0			
2,4,6-Tribromophenol (Surr)	0.1101	0.1430 0.1193	0.1205 0.1394	0.1381 0.1420	0.1217	Ave		0.1293			0.0500	9.8		15.0			
Terphenyl-d14 (Surr)	0.8724 0.6941	0.6535 0.6984	0.6830 0.7334	0.6921 0.7176	0.7069	Ave		0.7168			0.0500	8.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 82668

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:42 Calibration End Date: 04/19/2013 14:12 Calibration ID: 14643

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-82668/6	30419106.D
Level 2	STD2 240-82668/5	30419105.D
Level 3	STD3 240-82668/4	30419104.D
Level 4	STD4 240-82668/3	30419103.D
Level 5	STD5 240-82668/2	30419102.D
Level 6	STD6 240-82668/10	30419110.D
Level 7	STD7 240-82668/9	30419109.D
Level 8	STD8 240-82668/8	30419108.D
Level 9	STD9 240-82668/7	30419107.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	387348	16262 590252	37094 812444	71941 988590	194296	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	659093	28424 982936	57162 1361415	112630 1654390	323206	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	1061197	52250 1604091	98624 2202993	190449 2659677	535258	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Ave	18469 1654465	80773 2418692	158621 3223684	303136 3706882	840491	0.200 20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenol	DCB	Ave	1070027	53465 1580038	101870 2165715	187688 2610447	532416	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1366211	61358 2070261	131658 2886981	250699 3534522	682843	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	973949	46466 1422616	93151 1930519	163349 2329404	488512	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	616075	28533 922872	56740 1248867	114045 1497152	314756	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	652448	30019 964211	60505 1327133	115364 1586179	325494	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,4-Dichlorobenzene	DCB	Ave	663158	33284 978336	63242 1343698	115840 1620336	330374	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzyl alcohol	DCB	Ave	493469	21898 740168	42586 1008236	82575 1215382	245203	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	616890	28647 907094	60699 1249273	108834 1517434	313524	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	689087	32205 1004570	64044 1395947	121390 1661637	343621	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
bis (2-chloroisopropyl) ether	DCB	Ave	891371	43662 1340211	83898 1826443	160936 2196377	449449	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 82668

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:42 Calibration End Date: 04/19/2013 14:12 Calibration ID: 14643

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Indene	DCB	Ave	2538226	119635 3743409	241934 5139306	455520 6166202	1255890	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
3 & 4 Methylphenol	DCB	Ave	728377	31901 1080655	65695 1471948	122200 1763098	361769	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	746600	30984 1128001	64556 1506915	129155 1860091	368298	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	1138693	52535 1699365	107636 2313199	202785 2802627	560028	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	311292	14967 468915	29794 649632	56346 768790	158883	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	1066428	48686 1624294	96087 2227392	181471 2691173	523896	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Isophorone	NPT	Ave	1802001	74230 2715261	157540 3761811	300217 4548857	876679	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	744112	35206 1094395	71682 1466994	138257 1797738	364057	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	326117	12740 495629	28159 661368	55869 795770	162236	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Lin1	772555	+++++ 1212344	33814 1667453	83745 1995184	341558	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	1038549	45755 1537645	93730 2065153	181811 2470640	516989	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	493259	22295 738102	43796 1011187	85086 1213176	247737	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	549471	27180 834772	52629 1136145	95873 1348150	283468	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	19752 1915072	89948 2853867	185196 3863702	338658 4658064	934475	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	1023280	44723 1514662	96444 2081119	177337 2474616	511553	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	331570	13396 496305	33727 686578	58237 817410	167482	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Ave	432187	20024 646723	38308 898521	77654 1083786	217875	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
4-Chloro-3-methylphenol	NPT	Ave	678910	30046 1007734	58712 1397525	116074 1671310	331734	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylnaphthalene	NPT	Ave	12705 1206220	55693 1791630	113637 2450838	215574 2915876	600733	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1-Methylnaphthalene	NPT	Ave	12084 1127236	54590 1676016	103248 2275231	196911 2739417	553851	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	385123	14643 579269	29422 796140	64053 967015	198587	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 82668

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:42 Calibration End Date: 04/19/2013 14:12 Calibration ID: 14643

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	526923	25126 781232	51641 1065751	94710 1279687	261725	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	351312	12980 533354	29143 727774	57911 876426	172849	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	355474	13293 542576	28144 744934	60972 894995	180108	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	16838 1519274	70815 2288941	143692 3099638	267465 3751997	745919	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	12663 1124296	53197 1705271	105070 2304134	199989 2787567	559617	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	548472	19764 802771	41638 1071831	88236 1286061	268093	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	1193184	57737 1735965	114531 2309208	221252 2759410	648455	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dinitrobenzene	ANT	Ave	208369	6631 312145	16277 429965	34047 519250	105543	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	285986	11472 410597	26243 564221	50578 660203	148545	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	17982 1783720	78522 2671134	159192 3726458	311903 4496065	884481	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	278753	12094 448191	26590 635564	54680 784911	158269	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Qua	336730	+++++ 565951	18721 822967	46911 1013327	163155	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
4-Nitrophenol	ANT	Ave	529661	19338 821487	42171 1126365	71786 1340191	243624	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Acenaphthene	ANT	Ave	11775 1142574	54348 1644598	105082 2164078	199756 2567810	563679	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrotoluene	ANT	Ave	344477	12733 556842	31632 785033	63236 960227	175843	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	17010 1619051	75576 2401088	150379 3236409	282269 3855502	805893	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	261156	10599 392032	23998 568952	49117 694735	142156	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	993873	56980 1559614	112714 2233871	209973 2790662	533797	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	639607	29683 940212	60614 1250534	115536 1424113	331381	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Lin	317127	11465 519515	24431 720865	41760 856483	141685	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	13767 1255075	63504 1809132	121691 2299363	237538 2728562	656039	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 82668

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:42 Calibration End Date: 04/19/2013 14:12 Calibration ID: 14643

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4,6-Dinitro-2-methylphenol	PHN	Lin1	490327	+++++ 784484	30074 1069548	60865 1320383	216079	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
N-Nitrosodiphenylamine	PHN	Ave	1561939	87670 2328546	177410 3243346	325388 3999799	858420	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	2133513	99034 3080858	199971 4086649	380059 4907228	1094101	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	2134224	99034 3081209	199971 4086731	380059 4907597	1091495	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	309660	15596 439656	34500 594929	61844 711337	167049	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Qua	704063	25004 1034035	52260 1362144	109099 1610541	349522	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Hexachlorobenzene	PHN	Ave	3668 321362	16590 461461	32057 607689	60415 722944	175139	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pentachlorophenol	PHN	Lin1	420206	+++++ 672581	27746 932518	57573 1137172	180749	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	23428 1579555	87765 2577032	175110 3685938	308476 4590420	757433	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	18840 1615072	83921 2686405	169938 3860287	313042 4754357	791266	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Lin1	1696404	69606 2644490	135936 3670033	215522 4382626	781475	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Lin1	2148552	60881 3293727	122524 4486958	279275 5448935	1030759	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Lin	19302 2162136	70505 3238363	144439 4451266	276781 5339471	1029570	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Ave	1948580	63350 2891335	151287 3871055	305616 4307655	943524	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Pyrene	CRY	Ave	19455 2201819	71362 3362426	144462 4557161	300557 5519777	1081453	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	955943	33830 1453791	73148 2040840	150251 2517161	479549	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1295685	39168 2031399	96825 2840962	195198 3437753	658518	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dichlorobenzidine	CRY	Ave	1520756	45331 2305932	108153 3197040	217414 3843001	731175	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Benzo[a]anthracene	CRY	Ave	21637 2151624	88558 3308538	181615 4671400	348474 5642433	1057910	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	19483 2064001	92004 3147091	180096 4434155	343353 5421401	996846	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Lin1	2294885	58531 3542740	157277 5025851	319542 6233895	1165903	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 82668

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:42 Calibration End Date: 04/19/2013 14:12 Calibration ID: 14643

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzo[b]fluoranthene	PRY	Ave	16652 1971824	69210 3015223	147613 4188587	300350 5105522	995767	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	18261 2163727	88649 3276799	192101 4700490	335113 5605660	1062594	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	16074 1910774	69316 2935701	147012 4120044	299537 4954138	968987	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	13958 1898488	74718 2918202	162130 4107625	328346 4949381	992591	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	11116 1564082	55359 2435344	130647 3456338	256535 4214255	823868	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	11824 1548912	64944 2377859	137884 3262037	273467 3986748	812483	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	774150	36893 1164383	72671 1587421	136727 1918556	387528	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	1021709	54207 1515351	99118 2087423	184885 2466708	520040	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	13819 1152344	52183 1738998	103817 2362564	198409 2885488	575197	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	16404 1334806	61852 1994393	129610 2710703	234992 3284523	668983	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	130851	7916 210053	13319 306580	27890 389531	71048	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	18313 1617452	67466 2426922	139382 3323820	270637 4024960	805473	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419102.D		
Lims ID:	std5 lst1	Client ID:	
Inject. Date:	19-Apr-2013 10:42:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0019052-002		
Misc. Info.:	STD5 LST1 =STD5 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	82668	Lims Sample ID:	2
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\8270 _9.m		
Last Update:	19-Apr-2013 15:20:10	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK006		
First Level Reviewer: ulmanm		Date:	19-Apr-2013 11:09:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.752	6.752	0.0	94	186620	4.00	
* 2 Naphthalene-d8	136	7.863	7.863	0.0	99	787422	4.00	
* 3 Acenaphthene-d10	164	9.369	9.369	0.0	80	467220	4.00	
* 4 Phenanthrene-d10	188	10.646	10.646	0.0	97	638696	4.00	
* 5 Chrysene-d12	240	13.029	13.029	0.0	76	911534	4.00	
* 6 Perylene-d12	264	15.107	15.107	0.0	93	744171	4.00	
$ 7 2-Fluorophenol	112	5.550	5.550	0.0	94	387528	5.11	
$ 8 Phenol-d5	99	6.373	6.373	0.0	95	520040	5.10	
$ 9 Nitrobenzene-d5	82	7.222	7.222	0.0	86	575197	4.95	
$ 10 2-Fluorobiphenyl (Surr)	172	8.755	8.755	0.0	99	668983	4.81	
$ 11 2,4,6-Tribromophenol	330	10.043	10.043	0.0	87	71048	4.71	
$ 12 Terphenyl-d14	244	11.960	11.960	0.0	96	805473	4.93	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	3.579	3.579	0.0	91	194296	5.11	M
26 N-Nitrosodimethylamine	74	4.027	4.027	0.0	81	323206	5.14	
27 Pyridine	79	4.086	4.086	0.0	93	535258	5.10	M
41 Benzaldehyde	77	6.362	6.362	0.0	87	840491	10.4	
43 Phenol	94	6.383	6.383	0.0	77	532416	5.08	
44 Aniline	93	6.447	6.447	0.0	96	682843	5.05	
69 Bis(2-chloroethyl)ether	93	6.479	6.479	0.0	95	488512	5.20	
46 2-Chlorophenol	128	6.570	6.570	0.0	90	314756	5.22	
47 1,3-Dichlorobenzene	146	6.709	6.709	0.0	88	325494	5.15	
48 1,4-Dichlorobenzene	146	6.768	6.768	0.0	84	330374	5.08	
49 Benzyl alcohol	108	6.837	6.837	0.0	85	245203	5.22	
50 1,2-Dichlorobenzene	146	6.907	6.907	0.0	76	313524	5.19	
51 2-Methylphenol	108	6.917	6.917	0.0	95	343621	5.16	
53 2,2'-oxybis[1-chloropropane]	45	6.955	6.955	0.0	94	449449	5.11	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.982	6.982	0.0	71	1255890	10.2	
21 3 & 4 Methylphenol	108	7.046	7.046	0.0	91	361769	5.22	
57 N-Nitrosodi-n-propylamine	70	7.062	7.062	0.0	73	368298	5.20	
58 Acetophenone	105	7.078	7.078	0.0	84	560028	5.06	
61 Hexachloroethane	117	7.211	7.211	0.0	83	158883	5.15	
62 Nitrobenzene	77	7.238	7.238	0.0	75	523896	4.98	
64 Isophorone	82	7.430	7.430	0.0	96	876679	5.04	
65 2,4-Dimethylphenol	107	7.505	7.505	0.0	96	364057	4.93	
66 2-Nitrophenol	139	7.516	7.516	0.0	80	162236	5.19	
71 Benzoic acid	122	7.542	7.542	0.0	74	341558	9.56	
70 Bis(2-chloroethoxy)methane	93	7.585	7.585	0.0	97	516989	5.13	
73 2,4-Dichlorophenol	162	7.719	7.719	0.0	95	247737	5.13	
74 1,2,4-Trichlorobenzene	180	7.804	7.804	0.0	86	283468	5.12	
75 Naphthalene	128	7.879	7.879	0.0	97	934475	4.91	
76 4-Chloroaniline	127	7.890	7.890	0.0	74	511553	5.11	
79 Hexachlorobutadiene	225	7.975	7.975	0.0	91	167482	5.11	
84 Caprolactam	113	8.167	8.167	0.0	79	217875	10.2	
86 4-Chloro-3-methylphenol	107	8.274	8.274	0.0	81	331734	5.04	
87 2-Methylnaphthalene	142	8.467	8.467	0.0	84	600733	5.00	
88 1-Methylnaphthalene	142	8.557	8.557	0.0	80	553851	4.94	
89 Hexachlorocyclopentadiene	237	8.606	8.606	0.0	95	198587	5.32	
91 1,2,4,5-Tetrachlorobenzene	216	8.611	8.611	0.0	91	261725	4.88	
92 2,4,6-Trichlorophenol	196	8.691	8.691	0.0	89	172849	5.08	
93 2,4,5-Trichlorophenol	196	8.728	8.728	0.0	87	180108	5.19	
98 1,1'-Biphenyl	154	8.851	8.851	0.0	96	745919	4.79	
100 2-Chloronaphthalene	162	8.889	8.889	0.0	99	559617	4.82	
102 2-Nitroaniline	65	8.947	8.947	0.0	72	268093	5.24	
105 Dimethyl phthalate	163	9.065	9.065	0.0	94	648455	5.33	
106 1,3-Dinitrobenzene	168	9.108	9.108	0.0	79	105543	5.34	
107 2,6-Dinitrotoluene	165	9.129	9.129	0.0	67	148545	5.30	
109 Acenaphthylene	152	9.252	9.252	0.0	91	884481	4.93	
110 3-Nitroaniline	138	9.289	9.289	0.0	83	158269	5.25	
111 2,4-Dinitrophenol	184	9.375	9.375	0.0	74	163155	10.3	
113 4-Nitrophenol	109	9.385	9.385	0.0	87	243624	9.77	
112 Acenaphthene	153	9.396	9.396	0.0	91	563679	4.98	
114 2,4-Dinitrotoluene	165	9.482	9.482	0.0	78	175843	4.93	
116 Dibenzofuran	168	9.540	9.540	0.0	84	805893	4.93	
119 2,3,4,6-Tetrachlorophenol	232	9.631	9.631	0.0	77	142156	5.26	
121 Diethyl phthalate	149	9.658	9.658	0.0	94	533797	4.71	
123 4-Chlorophenyl phenyl ether	204	9.802	9.802	0.0	94	331381	5.18	
125 4-Nitroaniline	138	9.813	9.813	0.0	76	141685	4.50	
126 Fluorene	166	9.834	9.834	0.0	80	656039	5.12	
128 4,6-Dinitro-2-methylphenol	198	9.840	9.840	0.0	80	216079	10.1	
131 N-Nitrosodiphenylamine	169	9.893	9.893	0.0	99	858420	11.4	
132 1,2-Diphenylhydrazine	77	9.936	9.936	0.0	99	1094101	5.90	
133 Azobenzene	77	9.936	9.936	0.0	95	1091495	5.88	
139 4-Bromophenyl phenyl ether	248	10.224	10.224	0.0	70	167049	5.89	
142 Atrazine	200	10.304	10.304	0.0	83	349522	10.4	
141 Hexachlorobenzene	284	10.326	10.326	0.0	81	175139	6.06	
143 Pentachlorophenol	266	10.470	10.470	0.0	79	180749	9.75	
148 Phenanthrene	178	10.668	10.668	0.0	98	757433	4.81	
149 Anthracene	178	10.710	10.710	0.0	99	791266	5.08	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.823	10.823	0.0	83	781475	5.14	
154 Di-n-butyl phthalate	149	11.036	11.036	0.0	99	1030759	5.49	
159 Fluoranthene	202	11.688	11.688	0.0	99	1029570	5.41	
160 Benzidine	184	11.747	11.747	0.0	98	943524	10.6	
161 Pyrene	202	11.896	11.896	0.0	96	1081453	5.38	
168 Butyl benzyl phthalate	149	12.334	12.334	0.0	89	479549	5.23	
173 Bis(2-ethylhexyl) phthalate	149	12.863	12.863	0.0	95	658518	5.36	
175 3,3'-Dichlorobenzidine	252	12.927	12.927	0.0	66	731175	10.5	
177 Benzo[a]anthracene	228	13.018	13.018	0.0	99	1057910	4.91	
178 Chrysene	228	13.061	13.061	0.0	92	996846	4.81	
180 Di-n-octyl phthalate	149	13.616	13.616	0.0	99	1165903	4.83	
182 Benzo[b]fluoranthene	252	14.450	14.450	0.0	87	995767	5.18	
183 Benzo[k]fluoranthene	252	14.493	14.493	0.0	94	1062594	4.87	
184 Benzo[a]pyrene	252	15.016	15.016	0.0	75	968987	5.14	
188 Indeno[1,2,3-cd]pyrene	276	17.425	17.425	0.0	94	992591	5.19	M
189 Dibenz(a,h)anthracene	278	17.431	17.431	0.0	65	823868	5.29	
190 Benzo[g,h,i]perylene	276	18.152	18.152	0.0	89	812483	5.14	
S 245 Total Cresols	100				0		10.4	
S 191 Methyl Phenols,Total	100				0		10.4	

QC Flag Legend

Review Flags
M - Manually Integrated

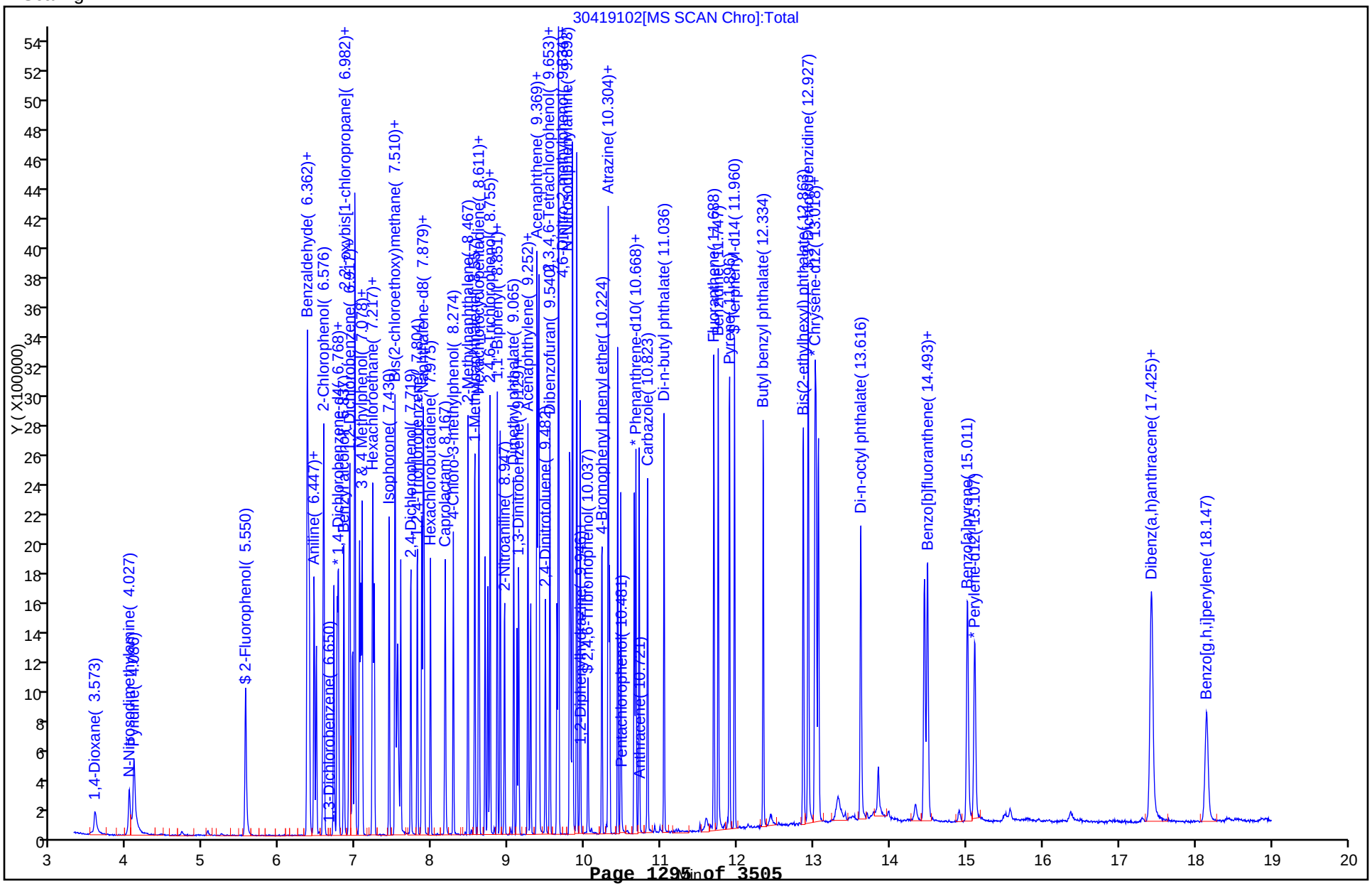
Report Date: 19-Apr-2013 15:20:10 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419102.D

Injection Date:	19-Apr-2013 10:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

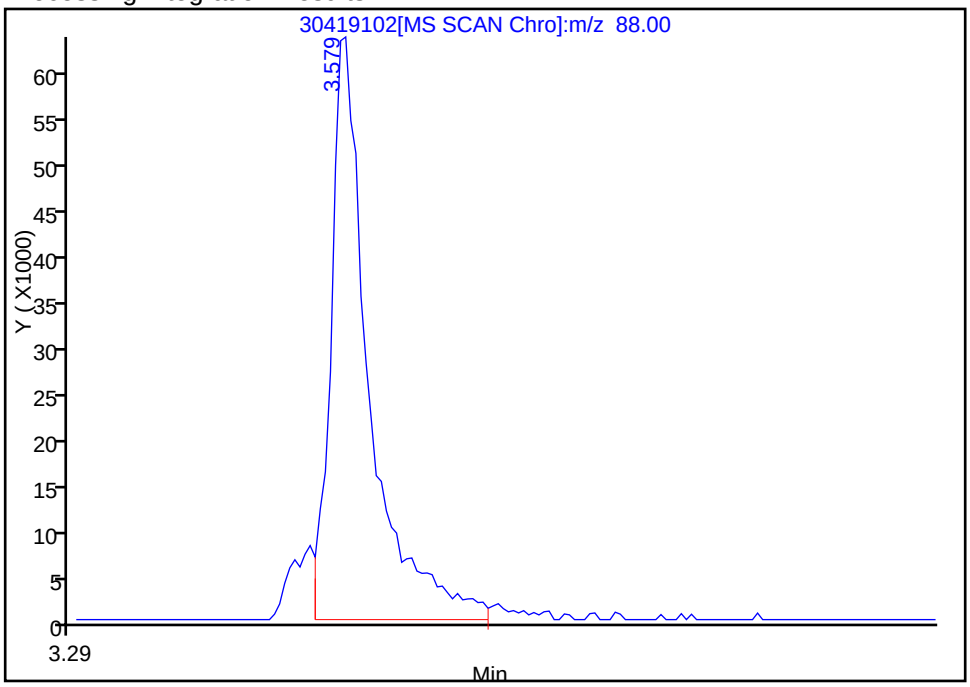
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419102.D		
Injection Date:	19-Apr-2013 10:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 3.58

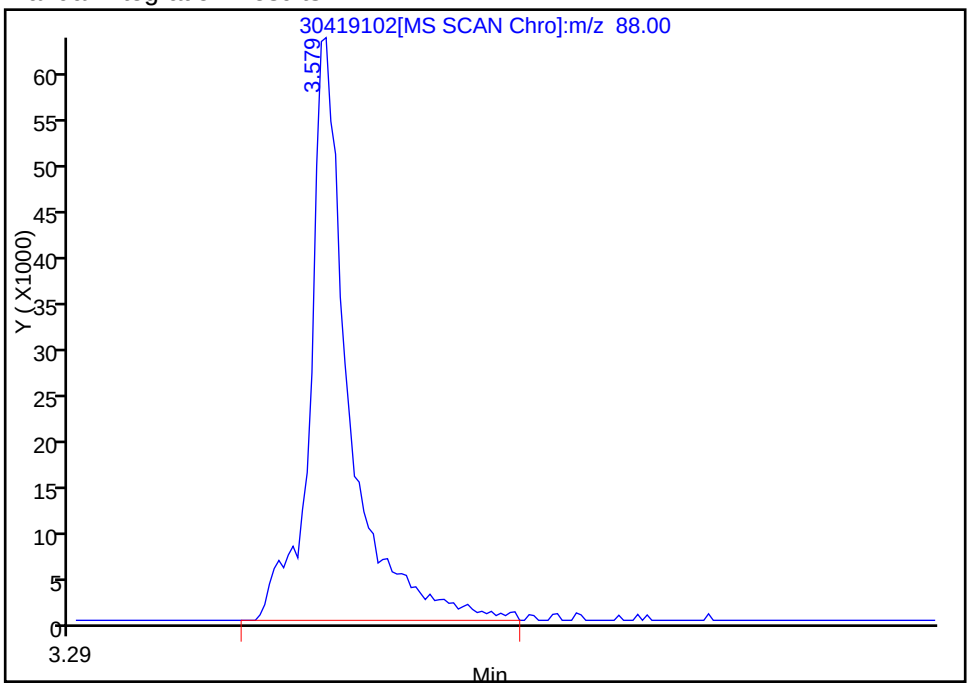
Processing Integration Results

RT: 3.58
Response: 178041
Amount: 5.000000



Manual Integration Results

RT: 3.58
Response: 194296
Amount: 5.105622



Reviewer: ulmanm, 19-Apr-2013 11:09:28
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

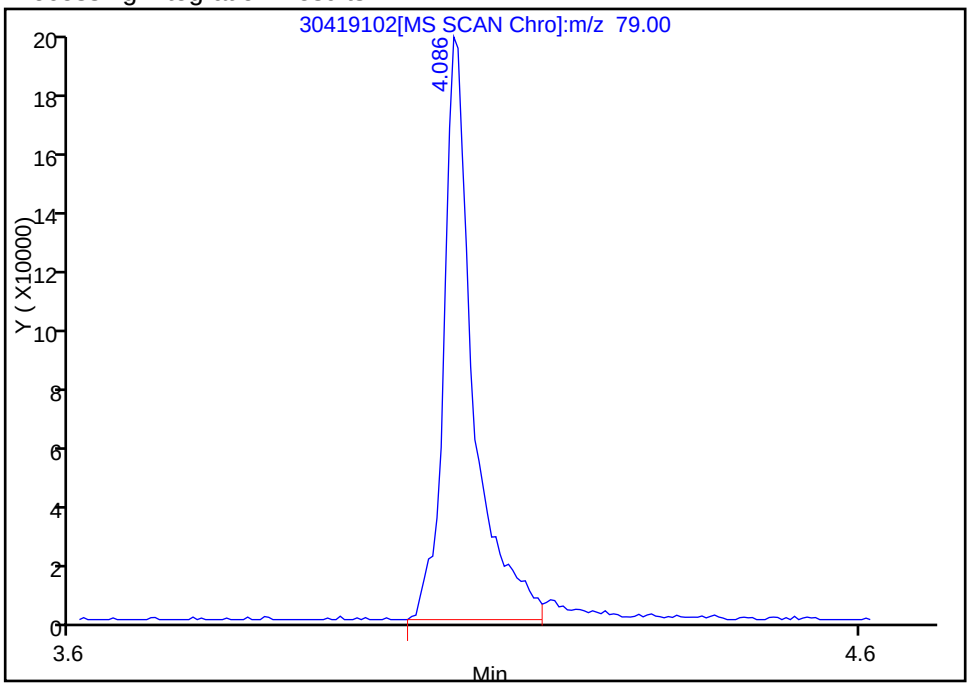
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419102.D		
Injection Date:	19-Apr-2013 10:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 4.09

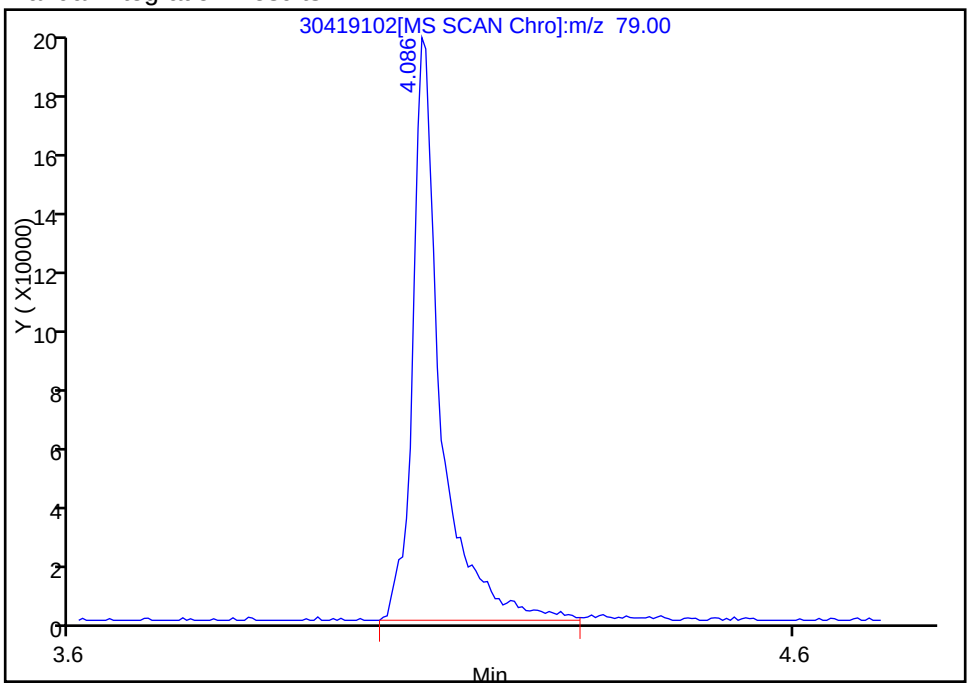
Processing Integration Results

RT: 4.09
Response: 515092
Amount: 5.000000



Manual Integration Results

RT: 4.09
Response: 535258
Amount: 5.100964



Reviewer: ulmanm, 19-Apr-2013 11:09:28
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

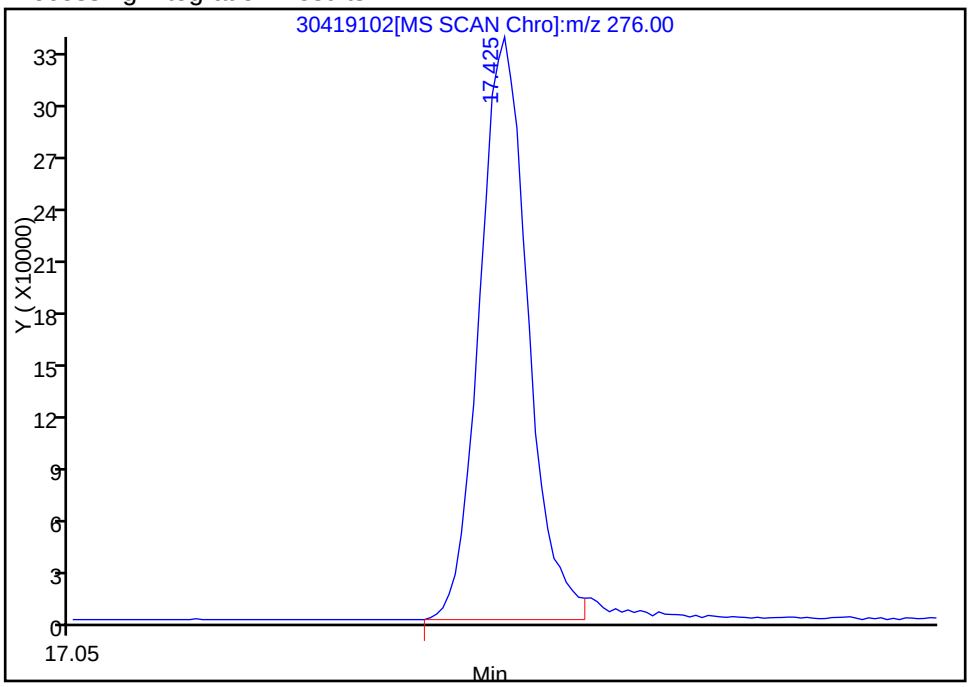
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419102.D		
Injection Date:	19-Apr-2013 10:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 17.43

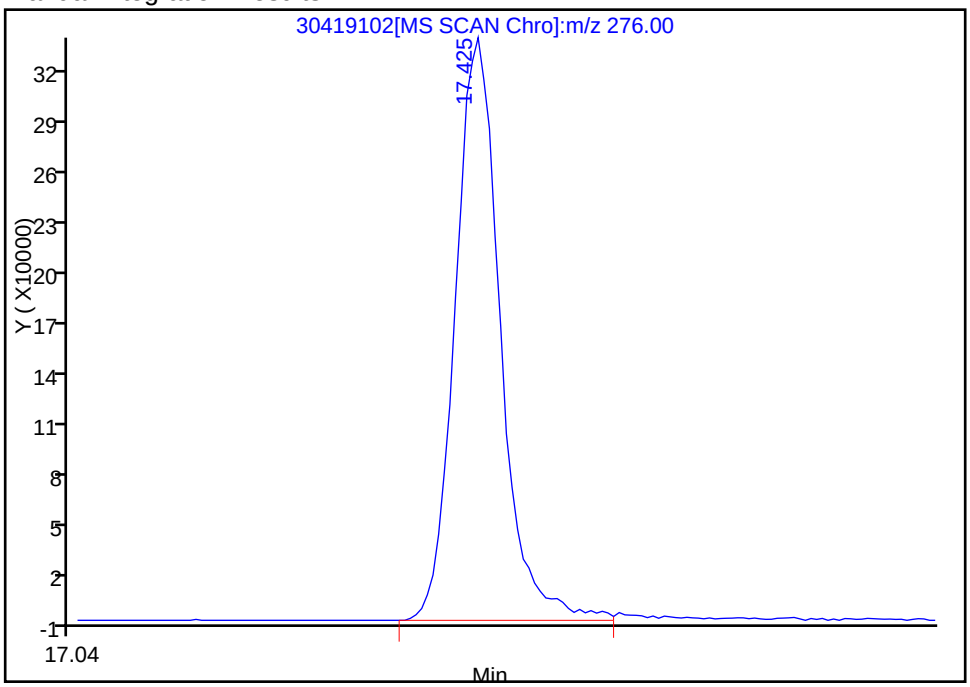
Processing Integration Results

RT: 17.43
Response: 971417
Amount: 5.000000



Manual Integration Results

RT: 17.43
Response: 992591
Amount: 5.188816



Reviewer: ulmanm, 19-Apr-2013 11:09:28
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419103.D
Lims ID: std4 lst1 Client ID:
Inject. Date: 19-Apr-2013 11:08:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0019052-003
Misc. Info.: STD4 LST1 =STD4 LST1
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 82668 Lims Sample ID: 3
Sublist: chrom-8270 _9*sub23
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\8270 _9.m
Last Update: 19-Apr-2013 15:20:12 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK006

First Level Reviewer: ulmanm Date: 19-Apr-2013 11:35:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.751	6.752	-0.001	88	168041	4.00	
* 2 Naphthalene-d8	136	7.862	7.863	-0.001	99	700902	4.00	
* 3 Acenaphthene-d10	164	9.368	9.369	-0.001	76	403816	4.00	
* 4 Phenanthrene-d10	188	10.645	10.646	-0.001	93	653870	4.00	
* 5 Chrysene-d12	240	13.028	13.029	-0.001	79	782030	4.00	
* 6 Perylene-d12	264	15.111	15.107	0.004	93	610765	4.00	
$ 7 2-Fluorophenol	112	5.554	5.550	0.004	89	136727	2.00	
$ 8 Phenol-d5	99	6.371	6.373	-0.002	95	184885	2.02	
$ 9 Nitrobenzene-d5	82	7.221	7.222	-0.001	84	198409	1.92	
$ 10 2-Fluorobiphenyl (Surr)	172	8.754	8.755	-0.001	98	234992	1.96	
$ 11 2,4,6-Tribromophenol	330	10.041	10.043	-0.002	81	27890	2.14	
$ 12 Terphenyl-d14	244	11.959	11.960	-0.001	97	270637	1.93	
244 n-Octadecane	57		0.000					
247 Hexadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	3.583	3.579	0.004	78	71941	2.10	M
26 N-Nitrosodimethylamine	74	4.026	4.027	-0.001	80	112630	1.99	
27 Pyridine	79	4.090	4.086	0.004	92	190449	2.02	
41 Benzaldehyde	77	6.361	6.362	-0.001	85	303136	4.15	
43 Phenol	94	6.387	6.383	0.004	77	187688	1.99	
44 Aniline	93	6.451	6.447	0.004	96	250699	2.06	
69 Bis(2-chloroethyl)ether	93	6.478	6.479	-0.001	94	163349	1.93	
46 2-Chlorophenol	128	6.569	6.570	-0.001	93	114045	2.10	
47 1,3-Dichlorobenzene	146	6.708	6.709	-0.001	86	115364	2.03	
48 1,4-Dichlorobenzene	146	6.767	6.768	-0.001	68	115840	1.98	
49 Benzyl alcohol	108	6.841	6.837	0.004	84	82575	1.95	
50 1,2-Dichlorobenzene	146	6.911	6.907	0.004	79	108834	2.00	
51 2-Methylphenol	108	6.921	6.917	0.004	93	121390	2.02	
53 2,2'-oxybis[1-chloropropane]	45	6.954	6.955	-0.001	94	160936	2.03	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.986	6.982	0.004	70	455520	4.09	
21 3 & 4 Methylphenol	108	7.044	7.046	-0.002	85	122200	1.96	
57 N-Nitrosodi-n-propylamine	70	7.060	7.062	-0.002	67	129155	2.02	
58 Acetophenone	105	7.076	7.078	-0.002	84	202785	2.03	
61 Hexachloroethane	117	7.210	7.211	-0.001	87	56346	2.03	
62 Nitrobenzene	77	7.237	7.238	-0.001	80	181471	1.94	
64 Isophorone	82	7.434	7.430	0.004	96	300217	1.94	
65 2,4-Dimethylphenol	107	7.509	7.505	0.004	94	138257	2.10	
66 2-Nitrophenol	139	7.514	7.516	-0.002	84	55869	2.01	
71 Benzoic acid	122	7.530	7.542	-0.012	78	83745	3.67	M
70 Bis(2-chloroethoxy)methane	93	7.584	7.585	-0.001	99	181811	2.03	
73 2,4-Dichlorophenol	162	7.717	7.719	-0.002	93	85086	1.98	
74 1,2,4-Trichlorobenzene	180	7.803	7.804	-0.001	86	95873	1.95	
75 Naphthalene	128	7.878	7.879	-0.001	97	338658	2.00	
76 4-Chloroaniline	127	7.894	7.890	0.004	65	177337	1.99	
79 Hexachlorobutadiene	225	7.974	7.975	-0.001	88	58237	2.00	
84 Caprolactam	113	8.161	8.167	-0.006	79	77654	4.07	
86 4-Chloro-3-methylphenol	107	8.273	8.274	-0.001	78	116074	1.98	
87 2-Methylnaphthalene	142	8.465	8.467	-0.002	85	215574	2.02	
88 1-Methylnaphthalene	142	8.556	8.557	-0.001	78	196911	1.97	
89 Hexachlorocyclopentadiene	237	8.604	8.606	-0.002	84	64053	1.99	
91 1,2,4,5-Tetrachlorobenzene	216	8.615	8.611	0.004	92	94710	2.04	
92 2,4,6-Trichlorophenol	196	8.690	8.691	-0.001	84	57911	1.97	
93 2,4,5-Trichlorophenol	196	8.727	8.728	-0.001	85	60972	2.03	
98 1,1'-Biphenyl	154	8.850	8.851	-0.001	96	267465	1.99	
100 2-Chloronaphthalene	162	8.887	8.889	-0.002	98	199989	1.99	
102 2-Nitroaniline	65	8.946	8.947	-0.001	58	88236	2.00	
105 Dimethyl phthalate	163	9.064	9.065	-0.001	93	221252	2.10	
106 1,3-Dinitrobenzene	168	9.106	9.108	-0.002	78	34047	1.99	
107 2,6-Dinitrotoluene	165	9.128	9.129	-0.001	61	50578	2.09	
109 Acenaphthylene	152	9.251	9.252	-0.001	85	311903	2.01	
110 3-Nitroaniline	138	9.288	9.289	-0.001	86	54680	2.10	
111 2,4-Dinitrophenol	184	9.374	9.375	-0.001	54	46911	4.20	M
113 4-Nitrophenol	109	9.384	9.385	-0.001	87	71786	3.33	
112 Acenaphthene	153	9.395	9.396	-0.001	89	199756	2.04	
114 2,4-Dinitrotoluene	165	9.480	9.482	-0.002	73	63236	2.05	
116 Dibenzofuran	168	9.539	9.540	-0.001	83	282269	2.00	
119 2,3,4,6-Tetrachlorophenol	232	9.635	9.631	0.004	70	49117	2.10	
121 Diethyl phthalate	149	9.657	9.658	-0.001	94	209973	2.14	
123 4-Chlorophenyl phenyl ether	204	9.801	9.802	-0.001	93	115536	2.09	
125 4-Nitroaniline	138	9.812	9.813	-0.001	79	41760	2.03	
126 Fluorene	166	9.833	9.834	-0.001	82	237538	2.15	
128 4,6-Dinitro-2-methylphenol	198	9.838	9.840	-0.002	74	60865	3.54	
131 N-Nitrosodiphenylamine	169	9.892	9.893	-0.001	99	325388	4.23	
132 1,2-Diphenylhydrazine	77	9.934	9.936	-0.002	99	380059	2.00	
133 Azobenzene	77	9.934	9.936	-0.002	95	380059	2.00	
139 4-Bromophenyl phenyl ether	248	10.223	10.224	-0.001	69	61844	2.13	
142 Atrazine	200	10.303	10.304	-0.001	83	109099	3.52	
141 Hexachlorobenzene	284	10.324	10.326	-0.002	81	60415	2.04	
143 Pentachlorophenol	266	10.469	10.470	-0.001	78	57573	3.69	
148 Phenanthrene	178	10.666	10.668	-0.002	98	308476	1.91	
149 Anthracene	178	10.709	10.710	-0.001	88	313042	1.96	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.821	10.823	-0.002	83	215522	1.55	
154 Di-n-butyl phthalate	149	11.035	11.036	-0.001	99	279275	1.69	
159 Fluoranthene	202	11.687	11.688	-0.001	99	276781	1.44	
160 Benzidine	184	11.745	11.747	-0.002	98	305616	4.00	
161 Pyrene	202	11.890	11.896	-0.006	94	300557	1.74	
168 Butyl benzyl phthalate	149	12.338	12.334	0.004	92	150251	1.91	
173 Bis(2-ethylhexyl) phthalate	149	12.862	12.863	-0.001	94	195198	1.85	
175 3,3'-Dichlorobenzidine	252	12.926	12.927	-0.001	68	217414	3.65	
177 Benzo[a]anthracene	228	13.012	13.018	-0.006	90	348474	1.88	
178 Chrysene	228	13.060	13.061	-0.001	93	343353	1.93	
180 Di-n-octyl phthalate	149	13.615	13.616	-0.001	99	319542	1.83	
182 Benzo[b]fluoranthene	252	14.449	14.450	-0.001	92	300350	1.90	
183 Benzo[k]fluoranthene	252	14.486	14.493	-0.007	96	335113	1.87	
184 Benzo[a]pyrene	252	15.009	15.016	-0.007	64	299537	1.94	
188 Indeno[1,2,3-cd]pyrene	276	17.419	17.425	-0.006	94	328346	2.09	
189 Dibenz(a,h)anthracene	278	17.424	17.431	-0.007	50	256535	2.01	
190 Benzo[g,h,i]perylene	276	18.140	18.152	-0.012	88	273467	2.11	
S 245 Total Cresols	100				0		3.98	
S 191 Methyl Phenols,Total	100				0		3.98	

QC Flag Legend

Review Flags
M - Manually Integrated

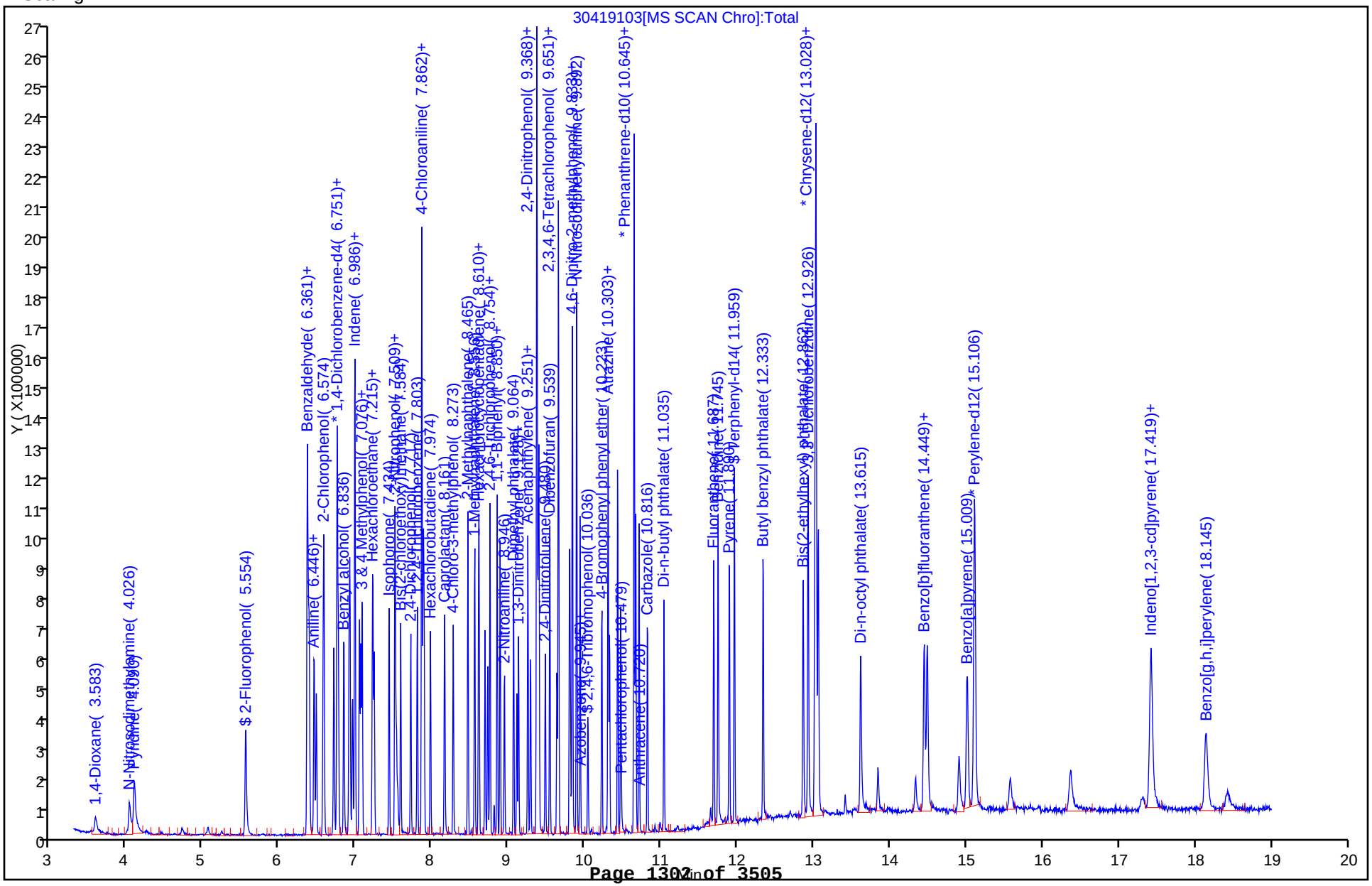
Report Date: 19-Apr-2013 15:20:12 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419103.D

Injection Date:	19-Apr-2013 11:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

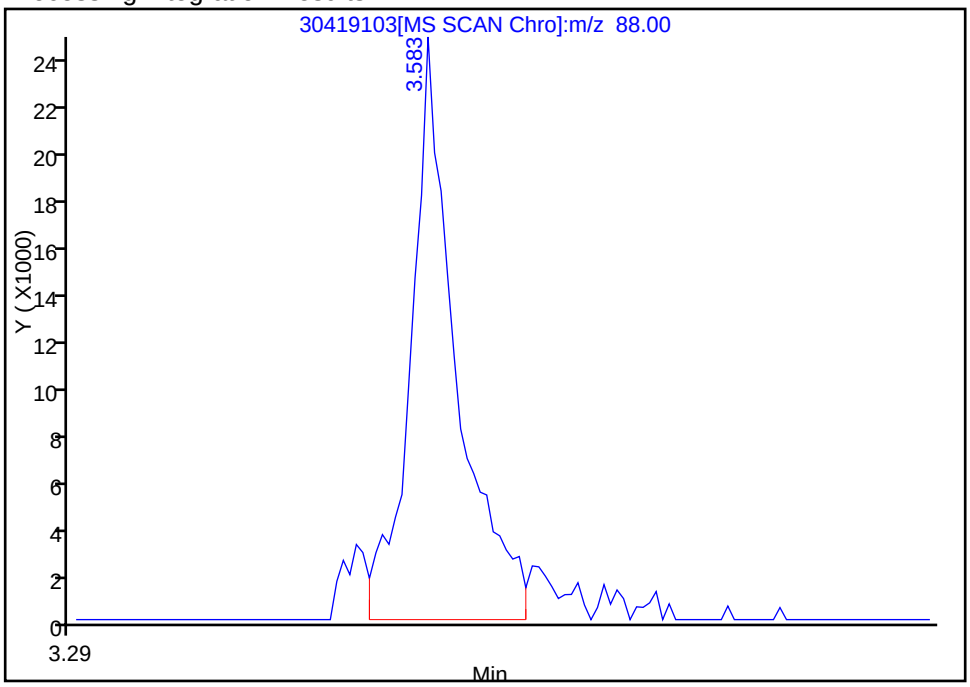
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419103.D		
Injection Date:	19-Apr-2013 11:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 3.58

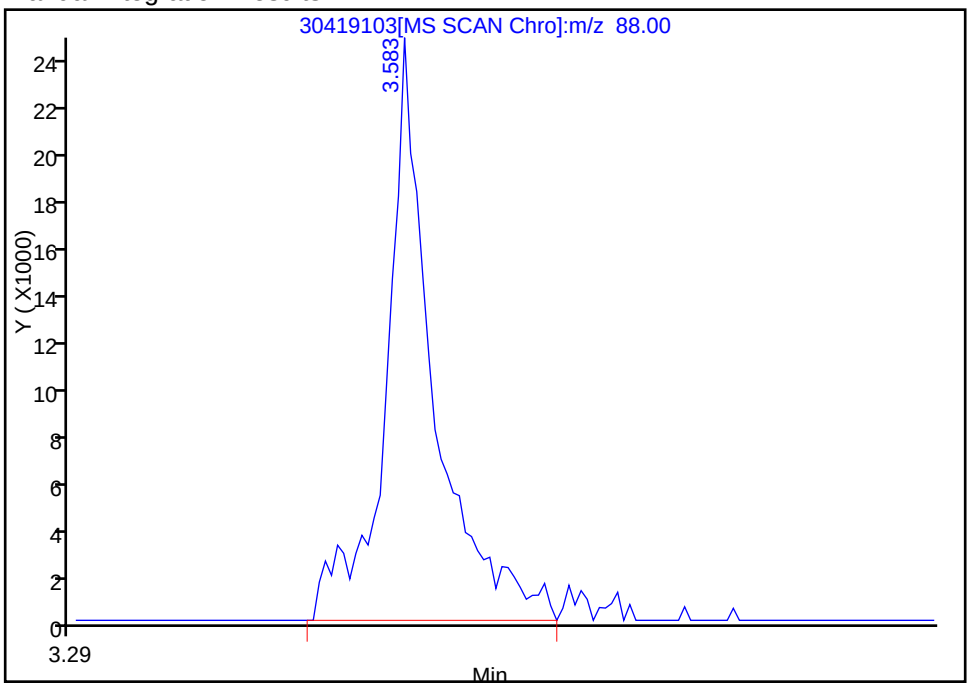
Processing Integration Results

RT: 3.58
Response: 63953
Amount: 1.909984



Manual Integration Results

RT: 3.58
Response: 71941
Amount: 2.099444



Reviewer: ulmanm, 19-Apr-2013 11:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

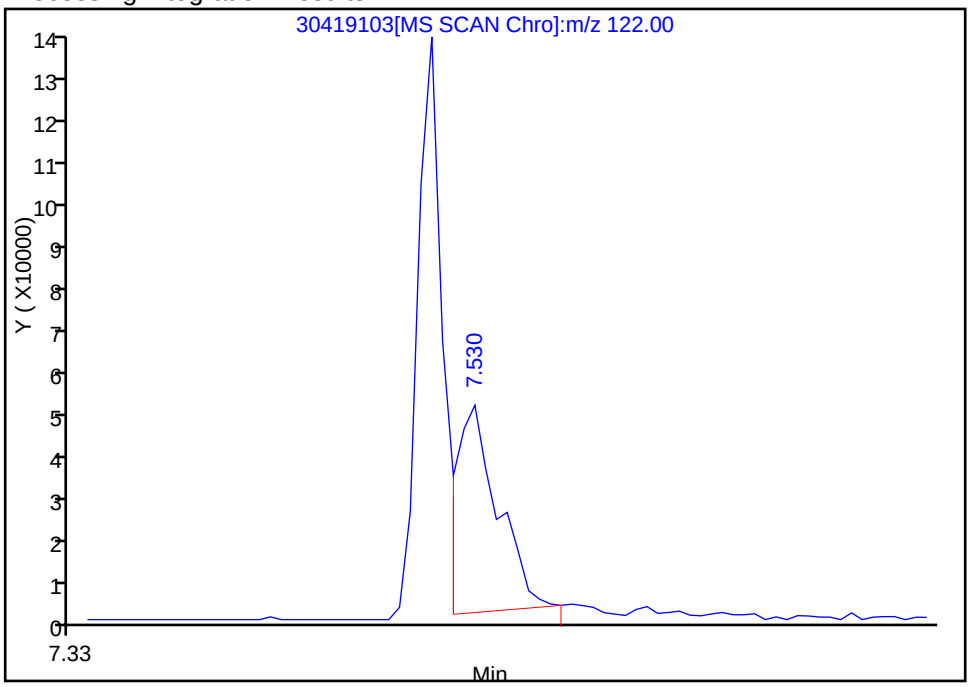
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419103.D		
Injection Date:	19-Apr-2013 11:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 7.54

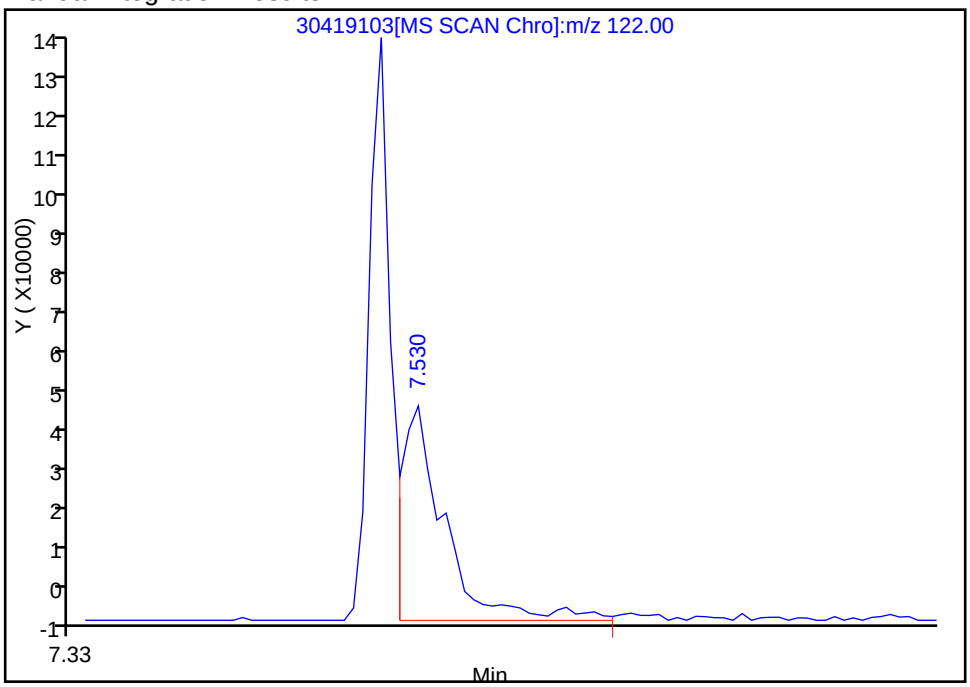
Processing Integration Results

RT: 7.53
Response: 67942
Amount: 2.867456



Manual Integration Results

RT: 7.53
Response: 83745
Amount: 3.669784



Reviewer: ulmanm, 19-Apr-2013 11:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

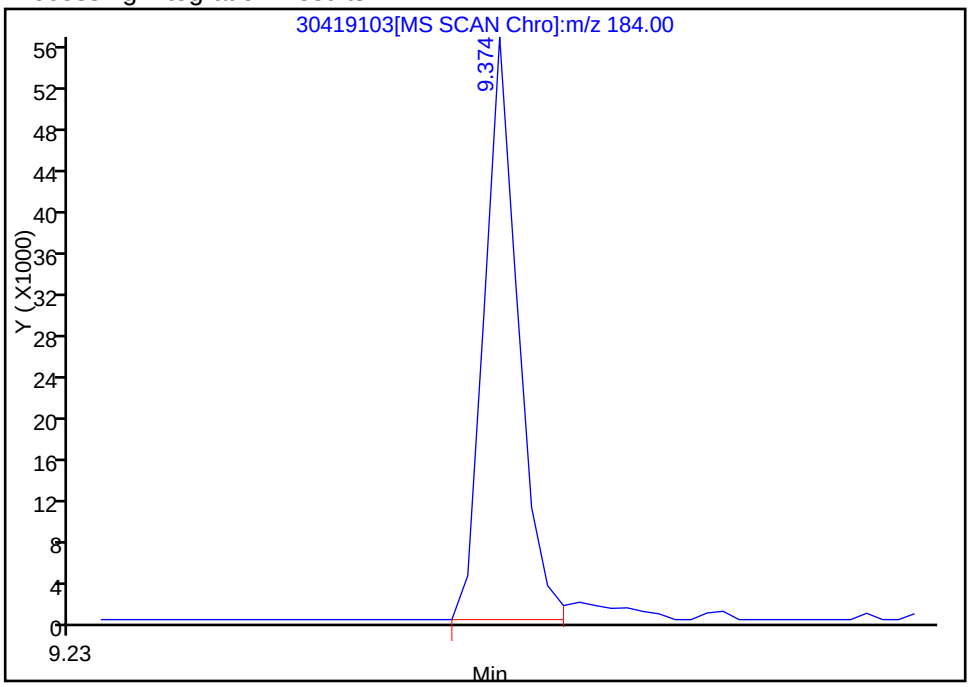
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419103.D		
Injection Date:	19-Apr-2013 11:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

111 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 9.37

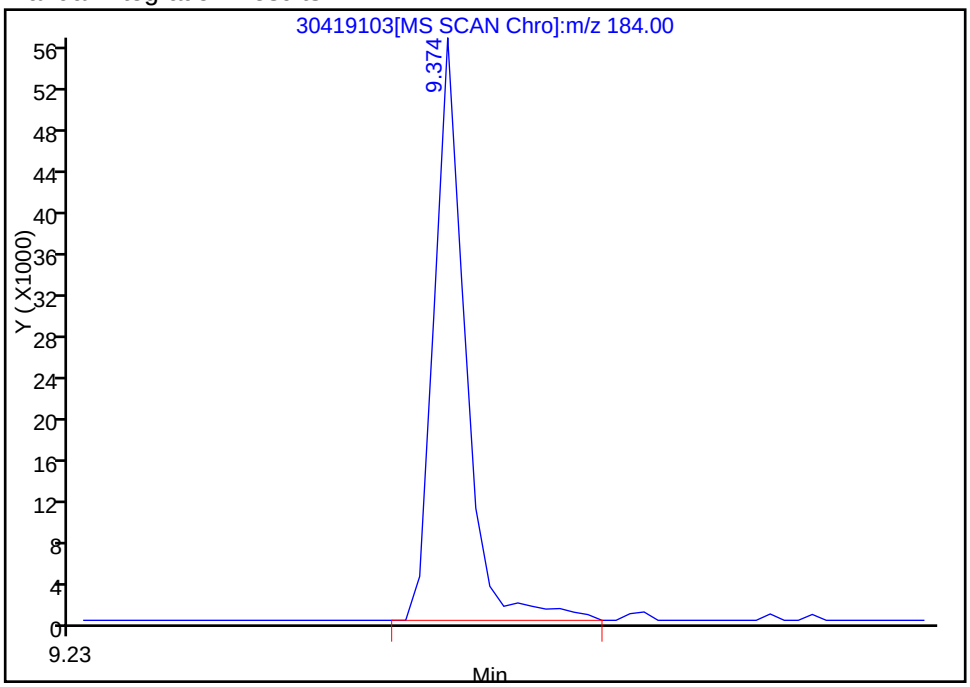
Processing Integration Results

RT: 9.37
Response: 44754
Amount: 3.539277



Manual Integration Results

RT: 9.37
Response: 46911
Amount: 4.197810



Reviewer: ulmanm, 19-Apr-2013 11:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419104.D		
Lims ID:	std3 lst1	Client ID:	
Inject. Date:	19-Apr-2013 11:34:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0019052-004		
Misc. Info.:	STD3 LST1 =STD3 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	82668	Lims Sample ID:	4
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\8270 _9.m		
Last Update:	19-Apr-2013 15:20:13	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK006		
First Level Reviewer: ulmanm		Date:	19-Apr-2013 12:40:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.750	6.752	-0.002	92	179345	4.00	
* 2 Naphthalene-d8	136	7.861	7.863	-0.002	98	750181	4.00	
* 3 Acenaphthene-d10	164	9.367	9.369	-0.002	77	442110	4.00	
* 4 Phenanthrene-d10	188	10.644	10.646	-0.002	97	726954	4.00	
* 5 Chrysene-d12	240	13.027	13.029	-0.002	80	816346	4.00	
* 6 Perylene-d12	264	15.110	15.107	0.003	97	644898	4.00	
$ 7 2-Fluorophenol	112	5.553	5.550	0.003	89	72671	1.00	
$ 8 Phenol-d5	99	6.376	6.373	0.003	92	99118	1.01	
$ 9 Nitrobenzene-d5	82	7.220	7.222	-0.002	85	103817	0.9385	
$ 10 2-Fluorobiphenyl (Surr)	172	8.753	8.755	-0.002	99	129610	0.9849	
$ 11 2,4,6-Tribromophenol	330	10.040	10.043	-0.003	71	13319	0.9323	
$ 12 Terphenyl-d14	244	11.958	11.960	-0.002	96	139382	0.9528	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	3.582	3.579	0.003	88	37094	1.01	M
26 N-Nitrosodimethylamine	74	4.030	4.027	0.003	77	57162	0.9462	
27 Pyridine	79	4.094	4.086	0.008	91	98624	0.9780	M
41 Benzaldehyde	77	6.360	6.362	-0.002	88	158621	2.03	
43 Phenol	94	6.386	6.383	0.003	71	101870	1.01	
44 Aniline	93	6.450	6.447	0.003	97	131658	1.01	
69 Bis(2-chloroethyl)ether	93	6.477	6.479	-0.002	90	93151	1.03	
46 2-Chlorophenol	128	6.568	6.570	-0.002	92	56740	0.9799	
47 1,3-Dichlorobenzene	146	6.707	6.709	-0.002	85	60505	1.00	
48 1,4-Dichlorobenzene	146	6.766	6.768	-0.002	75	63242	1.01	
49 Benzyl alcohol	108	6.840	6.837	0.003	84	42586	0.9428	
50 1,2-Dichlorobenzene	146	6.910	6.907	0.003	75	60699	1.05	
51 2-Methylphenol	108	6.920	6.917	0.003	94	64044	1.00	
53 2,2'-oxybis[1-chloropropane]	45	6.953	6.955	-0.003	93	83898	0.99	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.985	6.982	0.003	69	241934	2.04	
21 3 & 4 Methylphenol	108	7.043	7.046	-0.003	85	65695	0.9863	
57 N-Nitrosodi-n-propylamine	70	7.059	7.062	-0.003	71	64556	0.9479	
58 Acetophenone	105	7.081	7.078	0.003	80	107636	1.01	
61 Hexachloroethane	117	7.214	7.211	0.003	79	29794	1.01	
62 Nitrobenzene	77	7.236	7.238	-0.002	81	96087	0.9591	
64 Isophorone	82	7.433	7.430	0.003	96	157540	0.9501	
65 2,4-Dimethylphenol	107	7.508	7.505	0.003	95	71682	1.02	
66 2-Nitrophenol	139	7.513	7.516	-0.003	80	28159	0.9462	
71 Benzoic acid	122	7.519	7.542	-0.023	0	33814	2.28	M
70 Bis(2-chloroethoxy)methane	93	7.583	7.585	-0.002	98	93730	0.9767	
73 2,4-Dichlorophenol	162	7.716	7.719	-0.003	93	43796	0.9513	
74 1,2,4-Trichlorobenzene	180	7.802	7.804	-0.002	90	52629	1.00	
75 Naphthalene	128	7.882	7.879	0.003	78	185196	1.02	
76 4-Chloroaniline	127	7.893	7.890	0.003	65	96444	1.01	
79 Hexachlorobutadiene	225	7.973	7.975	-0.002	90	33727	1.08	
84 Caprolactam	113	8.160	8.167	-0.007	75	38308	1.88	
86 4-Chloro-3-methylphenol	107	8.272	8.274	-0.002	84	58712	0.9365	
87 2-Methylnaphthalene	142	8.464	8.467	-0.003	86	113637	0.99	
88 1-Methylnaphthalene	142	8.555	8.557	-0.002	76	103248	0.9657	
89 Hexachlorocyclopentadiene	237	8.603	8.606	-0.003	85	29422	0.8333	
91 1,2,4,5-Tetrachlorobenzene	216	8.609	8.611	-0.002	91	51641	1.02	
92 2,4,6-Trichlorophenol	196	8.689	8.691	-0.002	87	29143	0.9054	
93 2,4,5-Trichlorophenol	196	8.726	8.728	-0.002	82	28144	0.8569	
98 1,1'-Biphenyl	154	8.849	8.851	-0.002	95	143692	0.9746	
100 2-Chloronaphthalene	162	8.886	8.889	-0.003	98	105070	0.9567	
102 2-Nitroaniline	65	8.945	8.947	-0.002	66	41638	0.8602	
105 Dimethyl phthalate	163	9.063	9.065	-0.002	93	114531	1.00	
106 1,3-Dinitrobenzene	168	9.105	9.108	-0.003	77	16277	0.8702	
107 2,6-Dinitrotoluene	165	9.127	9.129	-0.002	69	26243	0.9890	
109 Acenaphthylene	152	9.250	9.252	-0.002	91	159192	0.9368	
110 3-Nitroaniline	138	9.287	9.289	-0.002	85	26590	0.9320	
111 2,4-Dinitrophenol	184	9.373	9.375	-0.003	41	18721	2.13	
113 4-Nitrophenol	109	9.389	9.385	0.004	85	42171	1.79	
112 Acenaphthene	153	9.394	9.396	-0.002	86	105082	0.9802	
114 2,4-Dinitrotoluene	165	9.479	9.482	-0.003	72	31632	0.9370	
116 Dibenzofuran	168	9.538	9.540	-0.002	86	150379	0.9726	
119 2,3,4,6-Tetrachlorophenol	232	9.634	9.631	0.003	66	23998	0.9391	
121 Diethyl phthalate	149	9.656	9.658	-0.002	92	112714	1.05	
123 4-Chlorophenyl phenyl ether	204	9.800	9.802	-0.002	93	60614	1.00	
125 4-Nitroaniline	138	9.811	9.813	-0.002	73	24431	1.43	
126 Fluorene	166	9.832	9.834	-0.002	80	121691	1.00	
128 4,6-Dinitro-2-methylphenol	198	9.837	9.840	-0.003	71	30074	2.16	
131 N-Nitrosodiphenylamine	169	9.891	9.893	-0.002	99	177410	2.07	
132 1,2-Diphenylhydrazine	77	9.933	9.936	-0.003	99	199971	0.9471	
133 Azobenzene	77	9.933	9.936	-0.003	95	199971	0.9471	
139 4-Bromophenyl phenyl ether	248	10.222	10.224	-0.002	70	34500	1.07	
142 Atrazine	200	10.302	10.304	-0.002	84	52260	1.87	
141 Hexachlorobenzene	284	10.323	10.326	-0.003	76	32057	0.9741	
143 Pentachlorophenol	266	10.473	10.470	0.003	76	27746	2.14	M
148 Phenanthrene	178	10.665	10.668	-0.003	90	175110	0.9762	
149 Anthracene	178	10.708	10.710	-0.002	98	169938	0.9580	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.820	10.823	-0.003	83	135936	0.9732	
154 Di-n-butyl phthalate	149	11.034	11.036	-0.002	99	122524	0.8617	
159 Fluoranthene	202	11.686	11.688	-0.002	98	144439	0.6958	
160 Benzidine	184	11.744	11.747	-0.003	97	151287	1.90	
161 Pyrene	202	11.894	11.896	-0.002	96	144462	0.8018	
168 Butyl benzyl phthalate	149	12.337	12.334	0.003	87	73148	0.8908	
173 Bis(2-ethylhexyl) phthalate	149	12.861	12.863	-0.002	94	96825	0.8803	
175 3,3'-Dichlorobenzidine	252	12.925	12.927	-0.002	71	108153	1.74	
177 Benzo[a]anthracene	228	13.016	13.018	-0.002	99	181615	0.9411	
178 Chrysene	228	13.059	13.061	-0.002	91	180096	0.9696	
180 Di-n-octyl phthalate	149	13.614	13.616	-0.002	97	157277	1.02	
182 Benzo[b]fluoranthene	252	14.448	14.450	-0.002	85	147613	0.8856	
183 Benzo[k]fluoranthene	252	14.485	14.493	-0.008	98	192101	1.02	
184 Benzo[a]pyrene	252	15.008	15.016	-0.008	73	147012	0.8998	
188 Indeno[1,2,3-cd]pyrene	276	17.412	17.425	-0.013	92	162130	0.9780	M
189 Dibenz(a,h)anthracene	278	17.423	17.431	-0.008	45	130647	0.9681	M
190 Benzo[g,h,i]perylene	276	18.139	18.152	-0.013	1	137884	1.01	M
S 245 Total Cresols	100				0		1.99	
S 191 Methyl Phenols,Total	100				0		1.99	

QC Flag Legend

Review Flags
M - Manually Integrated

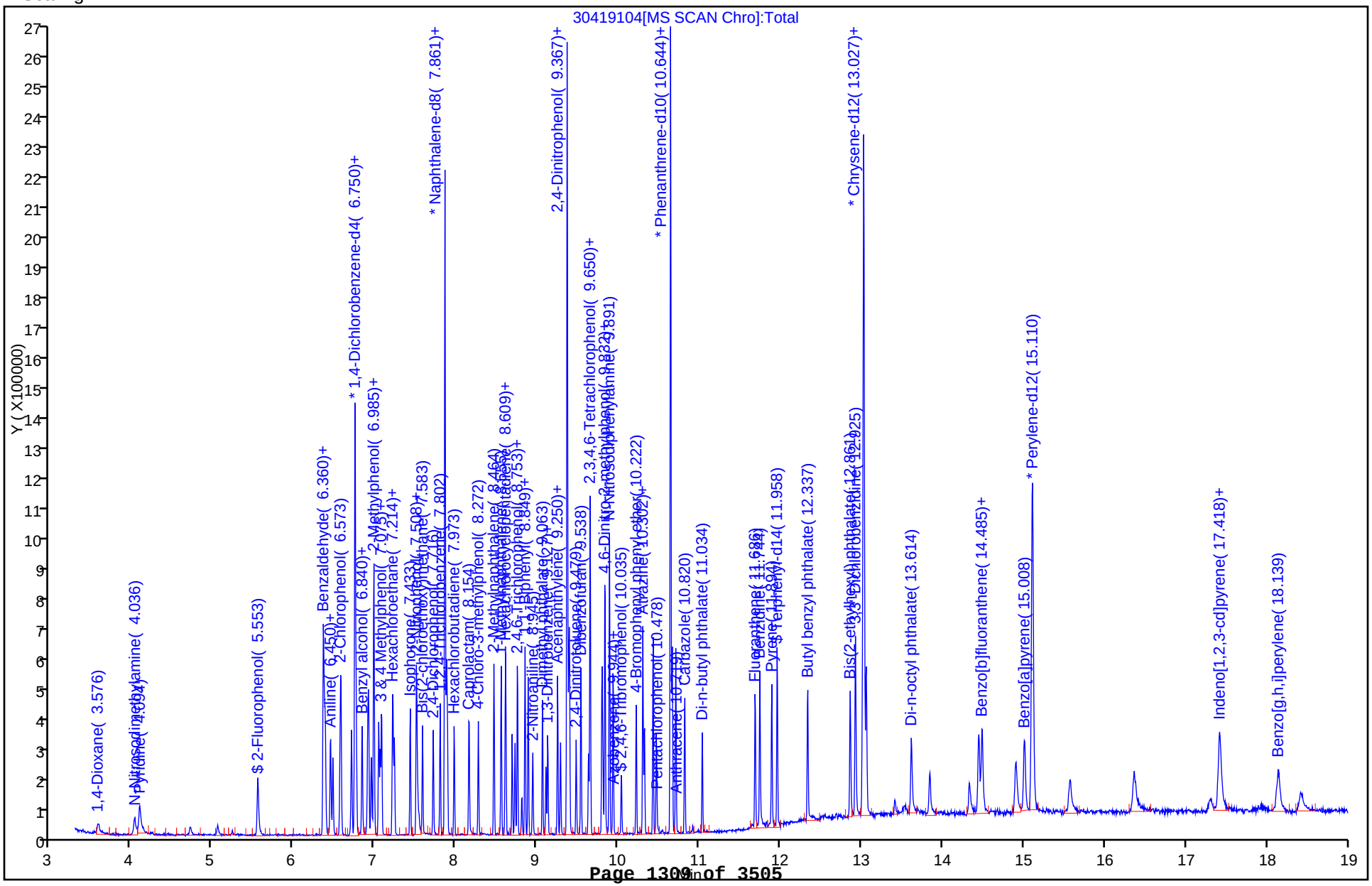
Report Date: 19-Apr-2013 15:20:13 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419104.D

Injection Date:	19-Apr-2013 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

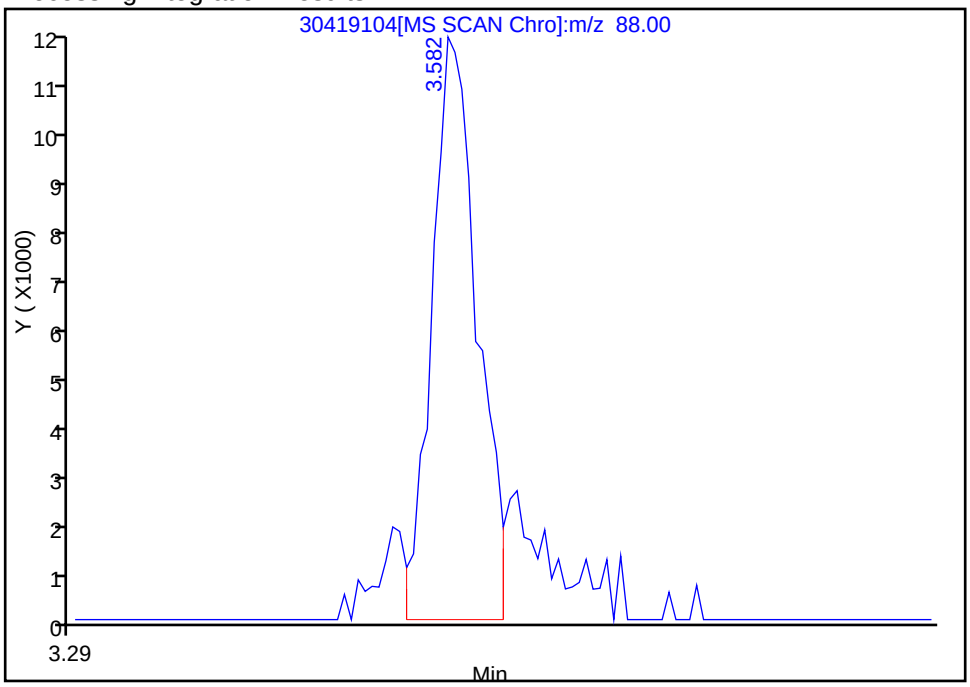
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419104.D		
Injection Date:	19-Apr-2013 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 3.58

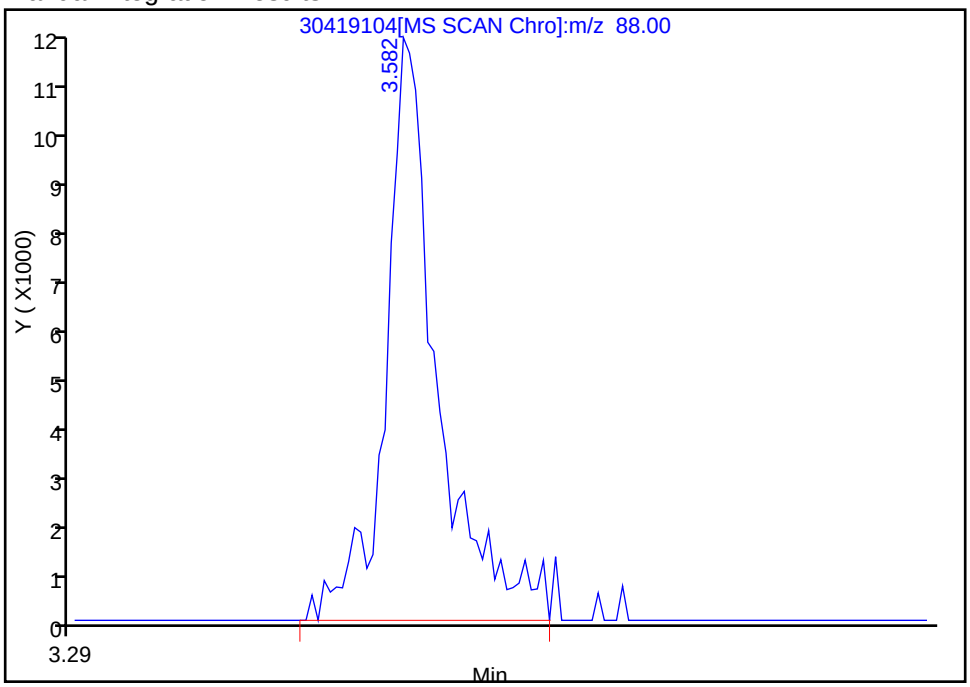
Processing Integration Results

RT: 3.58
Response: 28493
Amount: 0.857952



Manual Integration Results

RT: 3.58
Response: 37094
Amount: 1.014279



Reviewer: ulmanm, 19-Apr-2013 12:40:04
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

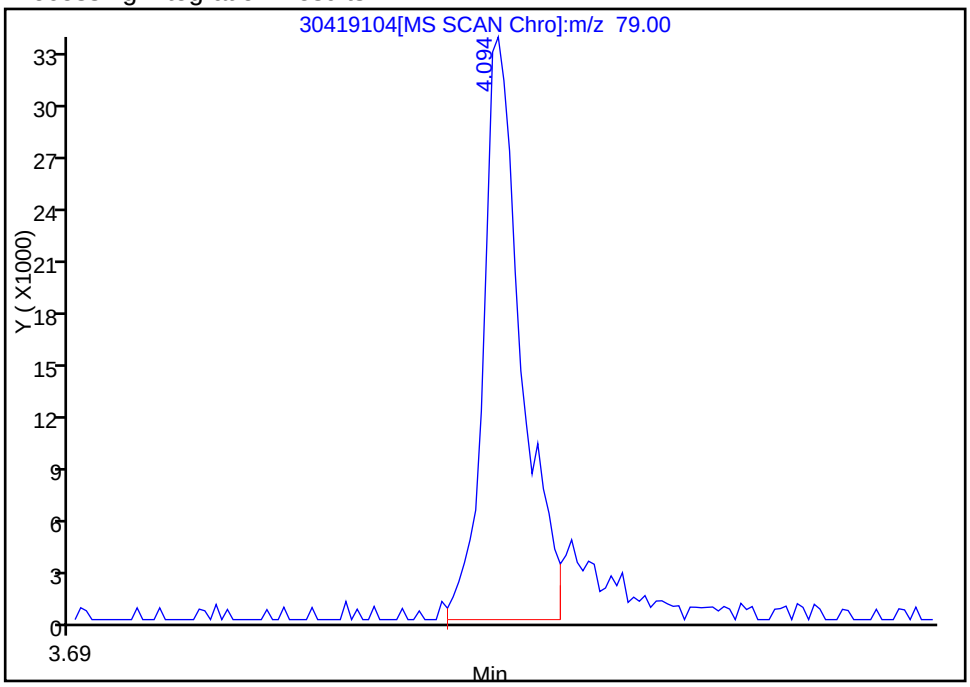
TestAmerica Canton

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Injection Date:	19-Apr-2013 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 4.09

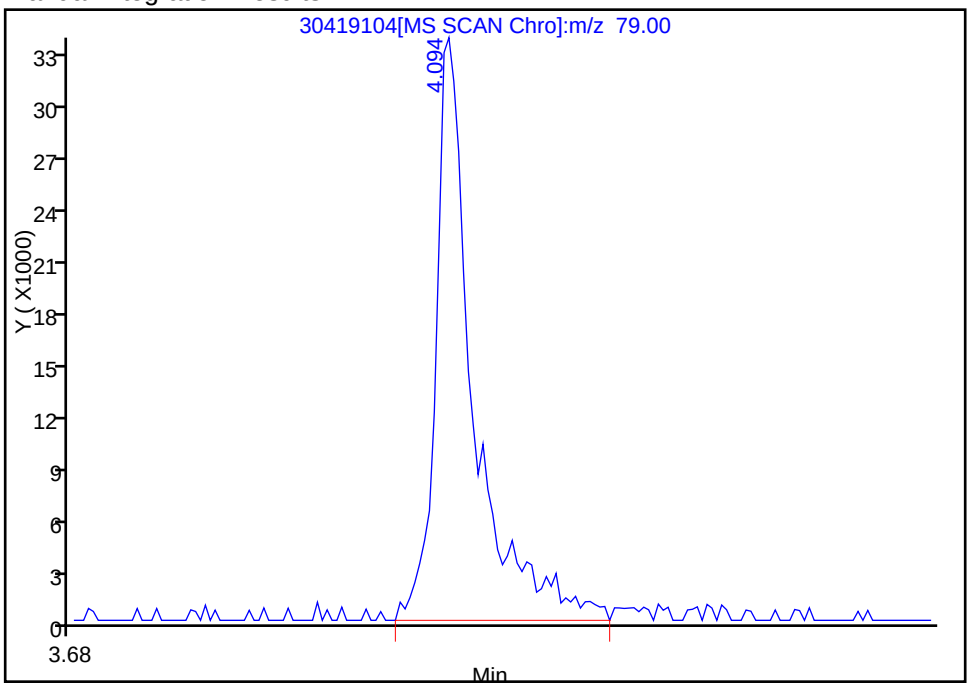
Processing Integration Results

RT: 4.09
Response: 84789
Amount: 0.885457



Manual Integration Results

RT: 4.09
Response: 98624
Amount: 0.978004



Reviewer: ulmanm, 19-Apr-2013 12:40:04
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

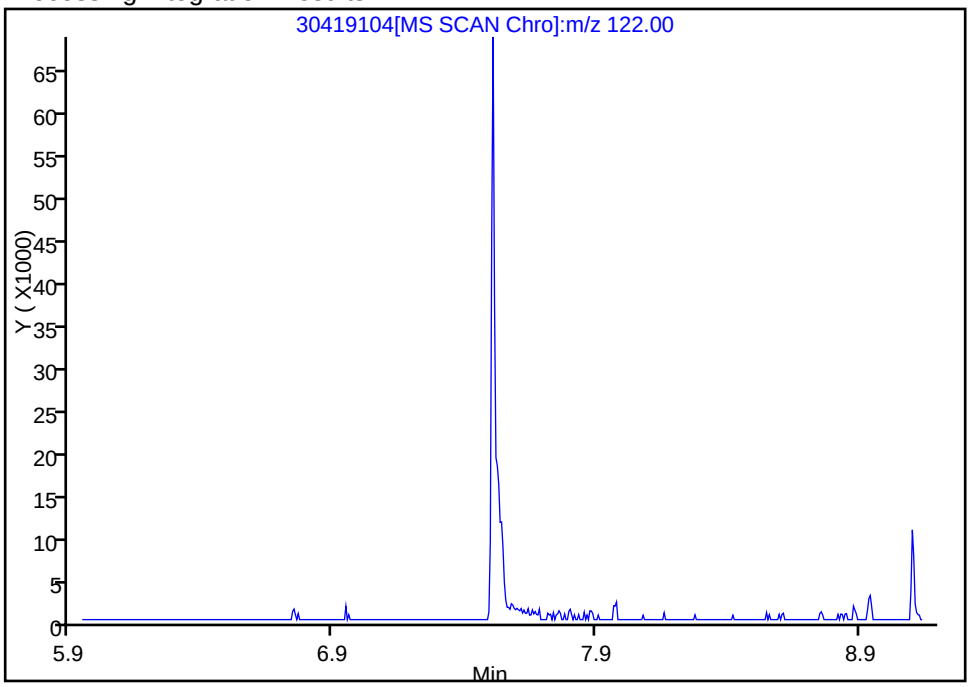
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419104.D		
Injection Date:	19-Apr-2013 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 7.54

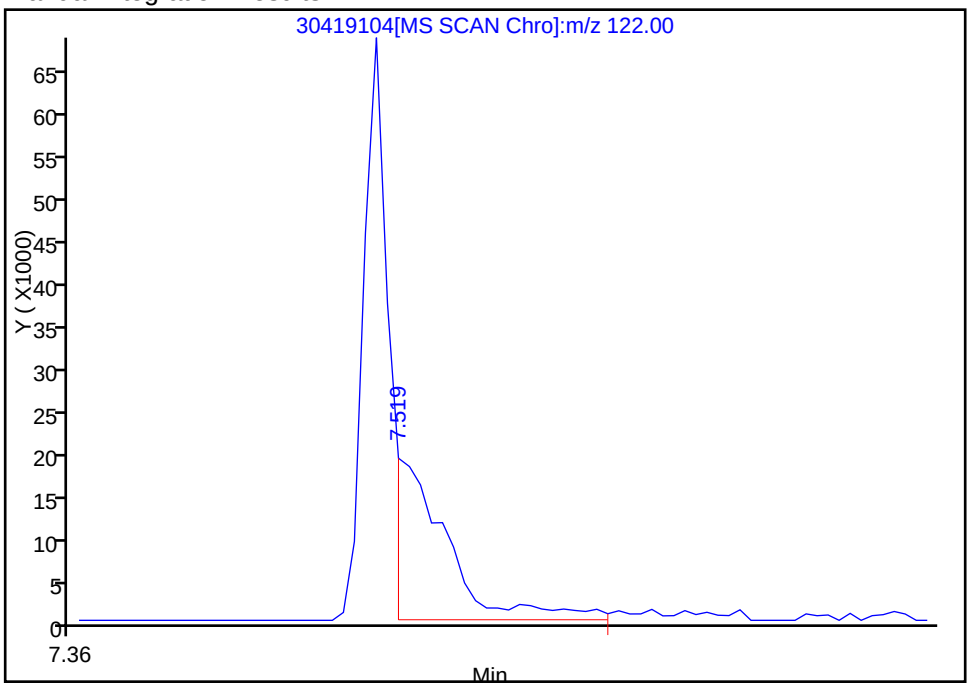
Processing Integration Results

Not Detected
Expected RT: 7.54



Manual Integration Results

RT: 7.52
Response: 33814
Amount: 2.275157



Reviewer: ulmanm, 19-Apr-2013 12:40:04
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

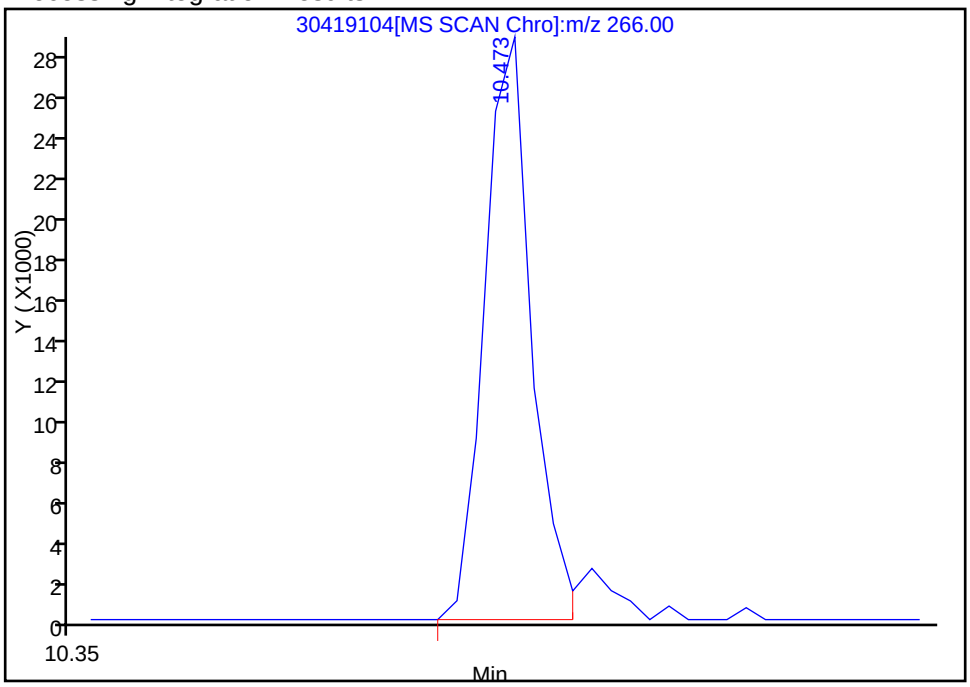
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419104.D		
Injection Date:	19-Apr-2013 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 10.47

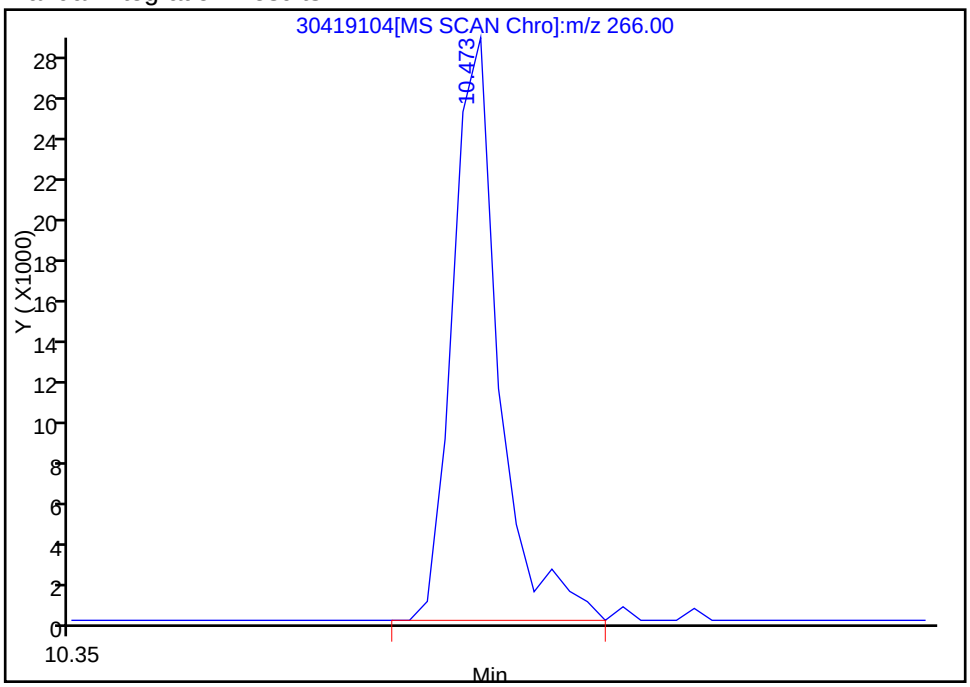
Processing Integration Results

RT: 10.47
Response: 26182
Amount: 1.752199



Manual Integration Results

RT: 10.47
Response: 27746
Amount: 2.144207



Reviewer: ulmanm, 19-Apr-2013 12:40:04
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

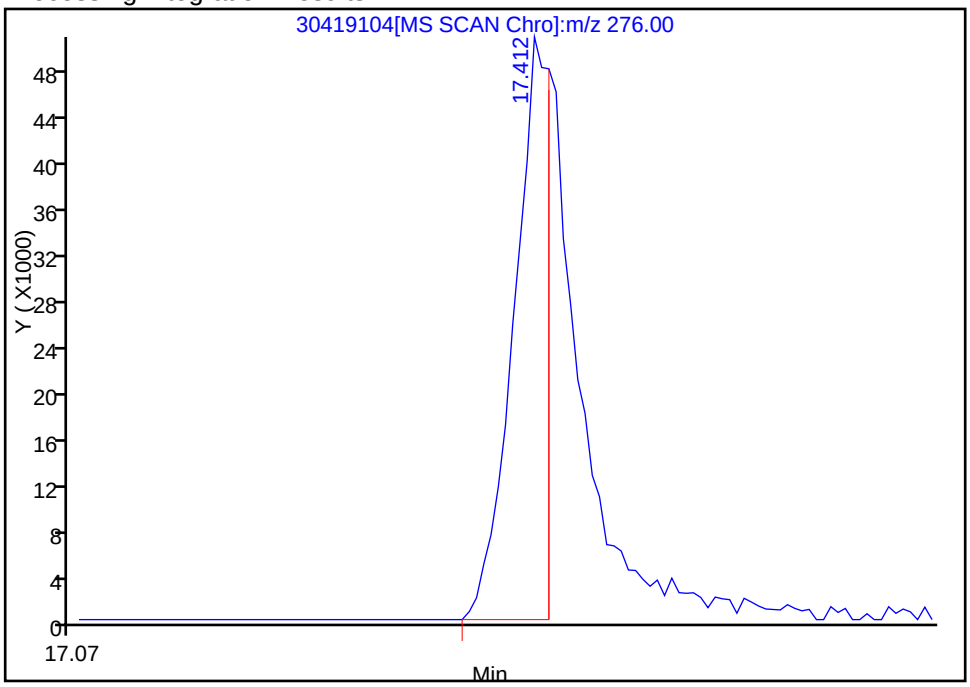
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419104.D		
Injection Date:	19-Apr-2013 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 17.43

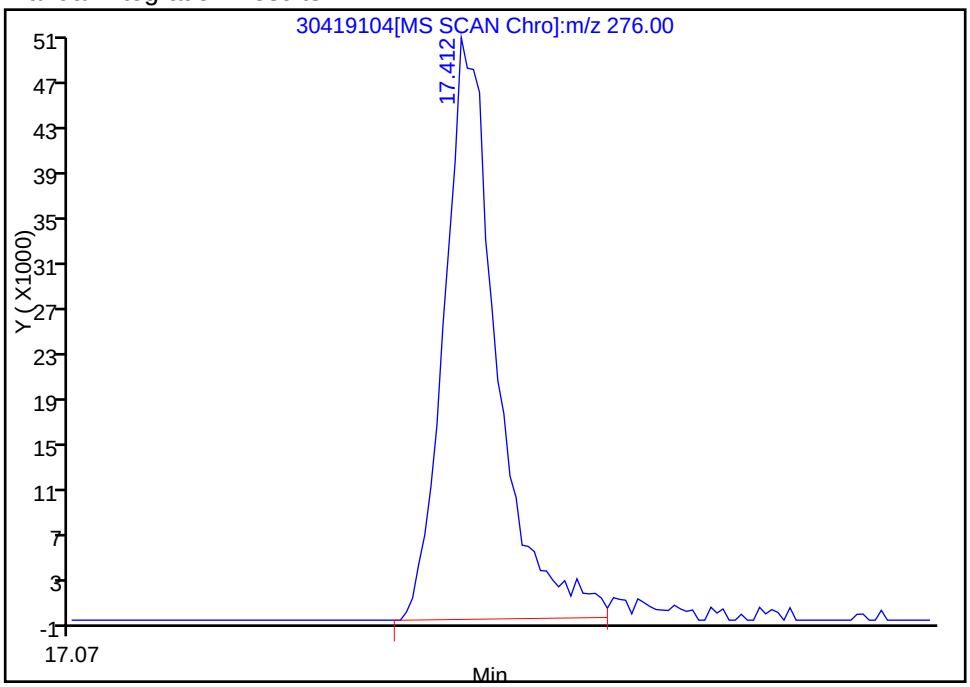
Processing Integration Results

RT: 17.41
Response: 92419
Amount: 0.654090



Manual Integration Results

RT: 17.41
Response: 162130
Amount: 0.978009



Reviewer: ulmanm, 19-Apr-2013 12:40:04
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

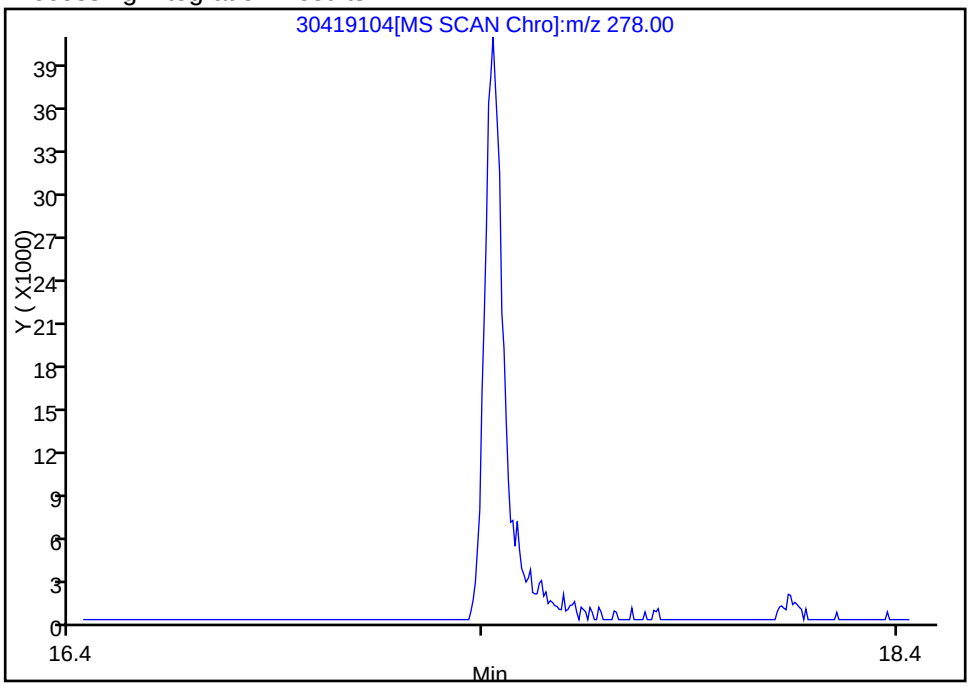
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419104.D		
Injection Date:	19-Apr-2013 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 17.43

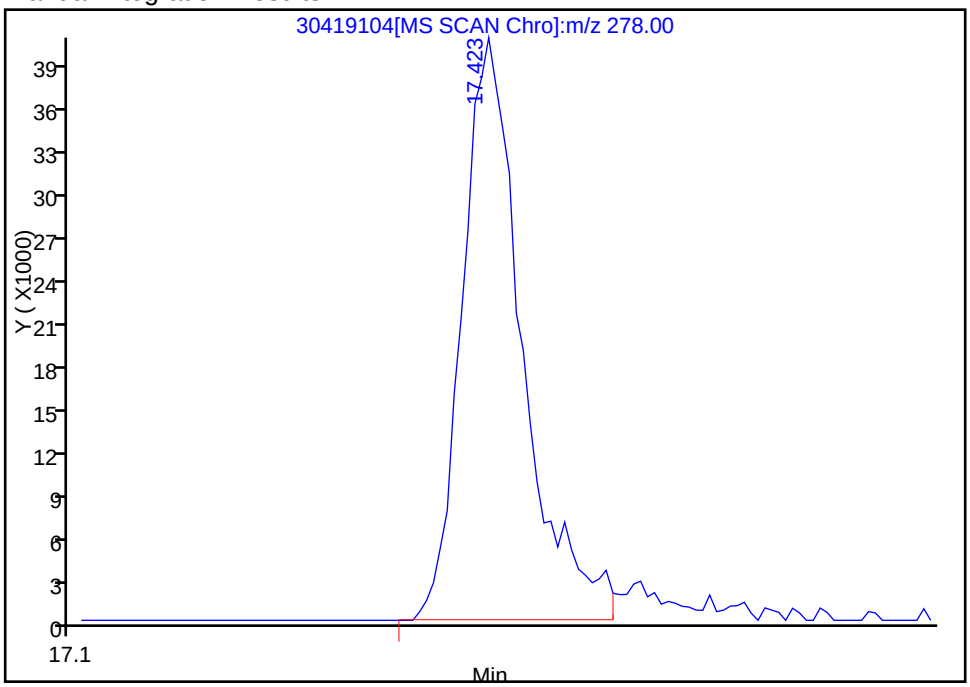
Processing Integration Results

Not Detected
Expected RT: 17.43



Manual Integration Results

RT: 17.42
Response: 130647
Amount: 0.968142



Reviewer: ulmanm, 19-Apr-2013 12:40:04
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

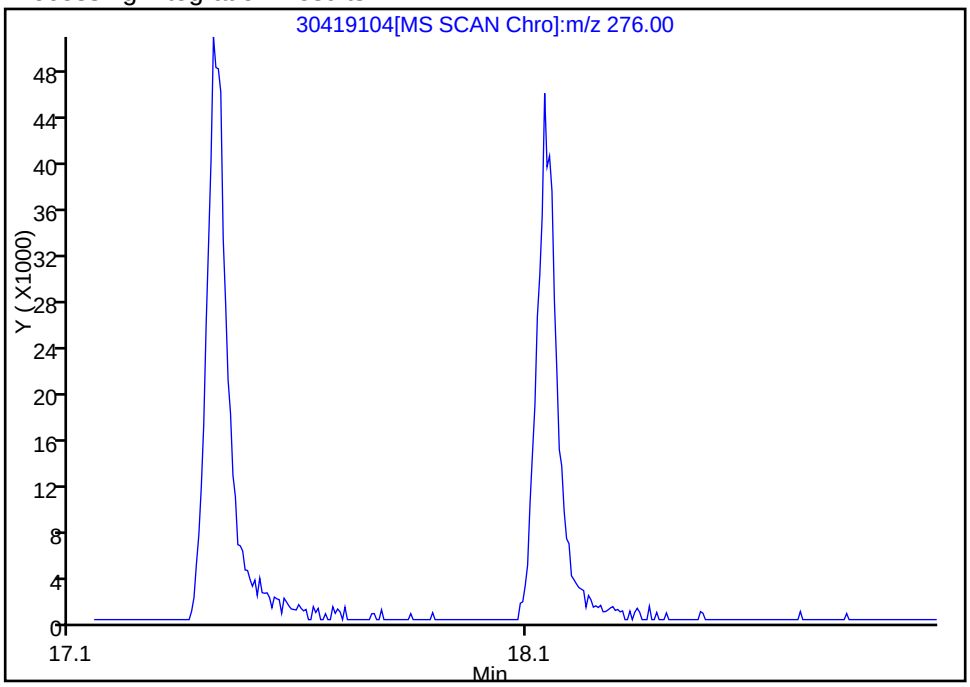
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419104.D		
Injection Date:	19-Apr-2013 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.15

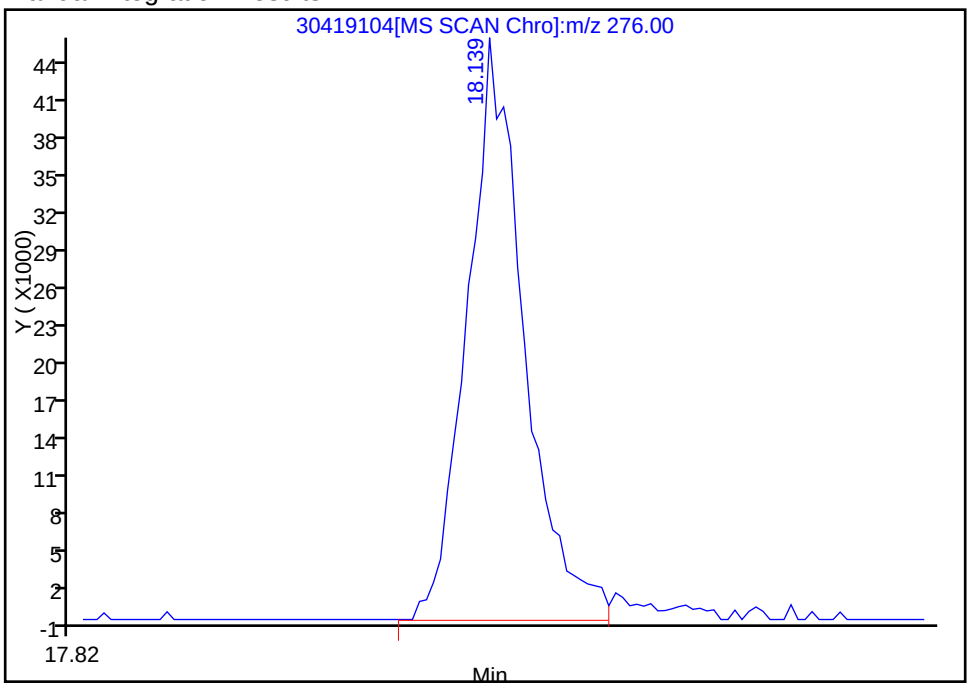
Processing Integration Results

Not Detected
Expected RT: 18.15



Manual Integration Results

RT: 18.14
Response: 137884
Amount: 1.007323



Reviewer: ulmanm, 19-Apr-2013 12:40:04
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419105.D		
Lims ID:	std2 lst1	Client ID:	
Inject. Date:	19-Apr-2013 12:01:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0019052-005		
Misc. Info.:	STD2 LST1 =STD2 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	82668	Lims Sample ID:	5
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\8270 _9.m		
Last Update:	19-Apr-2013 15:20:15	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK006		
First Level Reviewer: ulmanm		Date:	19-Apr-2013 12:43:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.752	6.752	0.0	95	185109	4.00	
* 2 Naphthalene-d8	136	7.858	7.863	-0.005	98	752512	4.00	
* 3 Acenaphthene-d10	164	9.370	9.369	0.001	83	442967	4.00	
* 4 Phenanthrene-d10	188	10.646	10.646	0.0	98	758403	4.00	
* 5 Chrysene-d12	240	13.029	13.029	0.0	79	825879	4.00	
* 6 Perylene-d12	264	15.107	15.107	0.0	94	672230	4.00	
$ 7 2-Fluorophenol	112	5.550	5.550	0.0	83	36893	0.4905	
$ 8 Phenol-d5	99	6.373	6.373	0.0	95	54207	0.5365	
$ 9 Nitrobenzene-d5	82	7.222	7.222	0.0	80	52183	0.4703	
$ 10 2-Fluorobiphenyl (Surr)	172	8.755	8.755	0.0	94	61852	0.4691	
$ 11 2,4,6-Tribromophenol	330	10.037	10.043	-0.006	57	7916	0.5530	
$ 12 Terphenyl-d14	244	11.961	11.960	0.001	93	67466	0.4558	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	3.589	3.579	0.010	69	16262	0.4308	M
26 N-Nitrosodimethylamine	74	4.033	4.027	0.006	73	28424	0.4558	
27 Pyridine	79	4.097	4.086	0.011	90	52250	0.5020	M
41 Benzaldehyde	77	6.362	6.362	0.0	89	80773	1.00	
43 Phenol	94	6.383	6.383	0.0	89	53465	0.5142	
44 Aniline	93	6.448	6.447	0.001	92	61358	0.4570	
69 Bis(2-chloroethyl)ether	93	6.480	6.479	0.001	85	46466	0.4989	
46 2-Chlorophenol	128	6.565	6.570	-0.005	91	28533	0.4774	
47 1,3-Dichlorobenzene	146	6.709	6.709	0.0	83	30019	0.4791	
48 1,4-Dichlorobenzene	146	6.768	6.768	0.0	78	33284	0.5161	
49 Benzyl alcohol	108	6.838	6.837	0.001	80	21898	0.4697	
50 1,2-Dichlorobenzene	146	6.907	6.907	0.0	81	28647	0.4782	
51 2-Methylphenol	108	6.918	6.917	0.001	88	32205	0.4874	
53 2,2'-oxybis[1-chloropropane]	45	6.950	6.955	-0.005	92	43662	0.5008	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.982	6.982	0.0	77	119635	0.9755	
21 3 & 4 Methylphenol	108	7.041	7.046	-0.006	82	31901	0.4640	
57 N-Nitrosodi-n-propylamine	70	7.062	7.062	0.0	74	30984	0.4408	
58 Acetophenone	105	7.078	7.078	0.0	86	52535	0.4783	
61 Hexachloroethane	117	7.211	7.211	0.0	81	14967	0.4894	
62 Nitrobenzene	77	7.233	7.238	-0.005	78	48686	0.4845	
64 Isophorone	82	7.430	7.430	0.0	94	74230	0.4463	
65 2,4-Dimethylphenol	107	7.505	7.505	0.0	92	35206	0.4991	
66 2-Nitrophenol	139	7.511	7.516	-0.005	78	12740	0.4267	
71 Benzoic acid	122		7.542					9
70 Bis(2-chloroethoxy)methane	93	7.585	7.585	0.0	96	45755	0.4753	
73 2,4-Dichlorophenol	162	7.714	7.719	-0.005	88	22295	0.4828	
74 1,2,4-Trichlorobenzene	180	7.804	7.804	0.0	84	27180	0.5138	
75 Naphthalene	128	7.879	7.879	0.0	92	89948	0.4942	
76 4-Chloroaniline	127	7.890	7.890	0.0	54	44723	0.4674	
79 Hexachlorobutadiene	225	7.975	7.975	0.0	84	13396	0.4276	
84 Caprolactam	113	8.157	8.167	-0.010	72	20024	0.9772	
86 4-Chloro-3-methylphenol	107	8.275	8.274	0.001	79	30046	0.4777	
87 2-Methylnaphthalene	142	8.467	8.467	0.0	81	55693	0.4854	
88 1-Methylnaphthalene	142	8.552	8.557	-0.005	79	54590	0.5090	
89 Hexachlorocyclopentadiene	237	8.606	8.606	0.0	75	14643	0.4139	
91 1,2,4,5-Tetrachlorobenzene	216	8.611	8.611	0.0	88	25126	0.4937	
92 2,4,6-Trichlorophenol	196	8.691	8.691	0.0	78	12980	0.4025	
93 2,4,5-Trichlorophenol	196	8.723	8.728	-0.005	81	13293	0.4039	
98 1,1'-Biphenyl	154	8.846	8.851	-0.005	95	70815	0.4794	
100 2-Chloronaphthalene	162	8.889	8.889	0.0	96	53197	0.4834	
102 2-Nitroaniline	65	8.942	8.947	-0.005	44	19764	0.4075	
105 Dimethyl phthalate	163	9.065	9.065	0.0	94	57737	0.5006	
106 1,3-Dinitrobenzene	168	9.108	9.108	0.0	73	6631	0.3538	
107 2,6-Dinitrotoluene	165	9.129	9.129	0.0	70	11472	0.4315	
109 Acenaphthylene	152	9.252	9.252	0.0	88	78522	0.4612	
110 3-Nitroaniline	138	9.290	9.289	0.001	80	12094	0.4231	
111 2,4-Dinitrophenol	184		9.375					29
113 4-Nitrophenol	109	9.386	9.385	0.001	60	19338	0.8178	
112 Acenaphthene	153	9.396	9.396	0.0	90	54348	0.5060	
114 2,4-Dinitrotoluene	165	9.482	9.482	0.0	64	12733	0.3764	
116 Dibenzofuran	168	9.535	9.540	-0.005	83	75576	0.4879	
119 2,3,4,6-Tetrachlorophenol	232	9.631	9.631	0.0	68	10599	0.4140	
121 Diethyl phthalate	149	9.653	9.658	-0.005	92	56980	0.5306	
123 4-Chlorophenyl phenyl ether	204	9.797	9.802	-0.005	88	29683	0.4891	
125 4-Nitroaniline	138	9.808	9.813	-0.005	65	11465	1.07	
126 Fluorene	166	9.834	9.834	0.0	82	63504	0.5228	
128 4,6-Dinitro-2-methylphenol	198		9.840					
131 N-Nitrosodiphenylamine	169	9.888	9.893	-0.005	98	87670	0.9815	
132 1,2-Diphenylhydrazine	77	9.936	9.936	0.0	98	99034	0.4496	
133 Azobenzene	77	9.936	9.936	0.0	94	99034	0.4496	
139 4-Bromophenyl phenyl ether	248	10.224	10.224	0.0	64	15596	0.4632	
142 Atrazine	200	10.305	10.304	0.001	82	25004	1.21	
141 Hexachlorobenzene	284	10.321	10.326	-0.005	68	16590	0.4832	
143 Pentachlorophenol	266		10.470					
148 Phenanthrene	178	10.662	10.668	-0.006	65	87765	0.4690	
149 Anthracene	178	10.711	10.710	0.001	97	83921	0.4535	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.817	10.823	-0.006	82	69606	0.5901	
154 Di-n-butyl phthalate	149	11.036	11.036	0.0	97	60881	0.5788	
159 Fluoranthene	202	11.688	11.688	0.0	97	70505	0.3435	
160 Benzidine	184	11.747	11.747	0.0	94	63350	0.7849	M
161 Pyrene	202	11.891	11.896	-0.005	95	71362	0.3915	
168 Butyl benzyl phthalate	149	12.335	12.334	0.001	82	33830	0.4072	
173 Bis(2-ethylhexyl) phthalate	149	12.858	12.863	-0.005	90	39168	0.3520	
175 3,3'-Dichlorobenzidine	252	12.928	12.927	0.001	52	45331	0.7208	
177 Benzo[a]anthracene	228	13.013	13.018	-0.005	98	88558	0.4536	
178 Chrysene	228	13.056	13.061	-0.005	87	92004	0.4896	
180 Di-n-octyl phthalate	149	13.617	13.616	0.001	88	58531	0.5718	
182 Benzo[b]fluoranthene	252	14.450	14.450	0.0	87	69210	0.3984	
183 Benzo[k]fluoranthene	252	14.487	14.493	-0.006	80	88649	0.4499	
184 Benzo[a]pyrene	252	15.016	15.016	0.0	61	69316	0.4070	
188 Indeno[1,2,3-cd]pyrene	276	17.420	17.425	-0.005	92	74718	0.4324	M
189 Dibenz(a,h)anthracene	278	17.420	17.431	-0.011	0	55359	0.3936	M
190 Benzo[g,h,i]perylene	276	18.152	18.152	0.0	80	64944	0.4552	M
S 245 Total Cresols	100				0		0.9514	
S 191 Methyl Phenols,Total	100				0		0.9514	

QC Flag Legend

Processing Flags
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

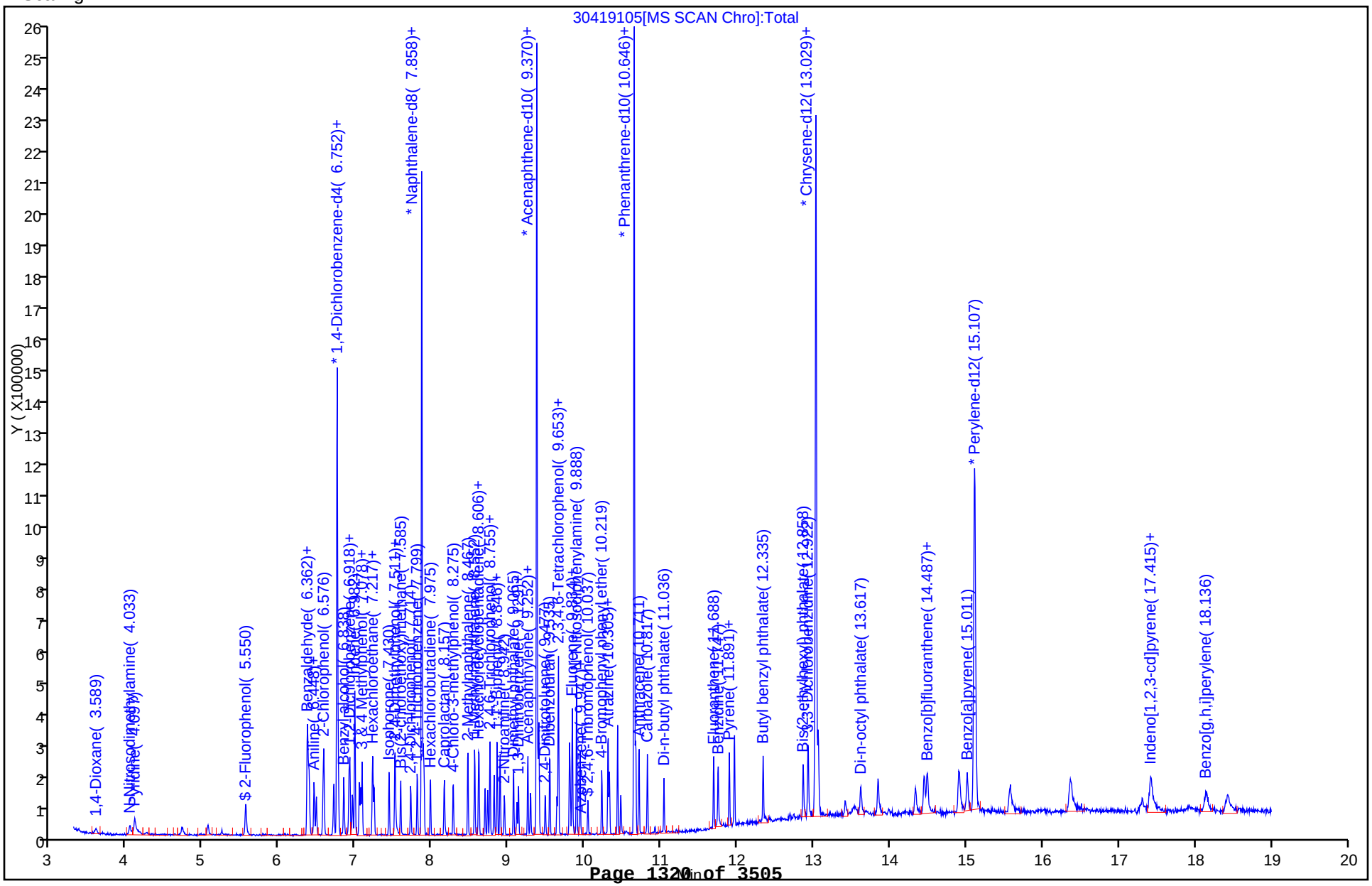
Report Date: 19-Apr-2013 15:20:15 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419105.D

Injection Date:	19-Apr-2013 12:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

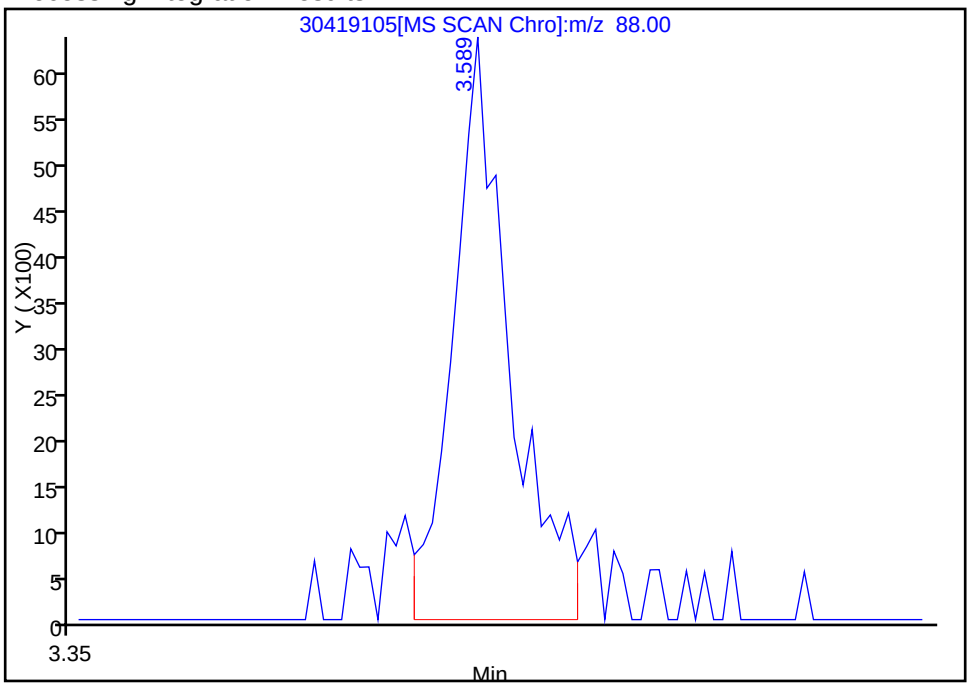
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419105.D		
Injection Date:	19-Apr-2013 12:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 3.58

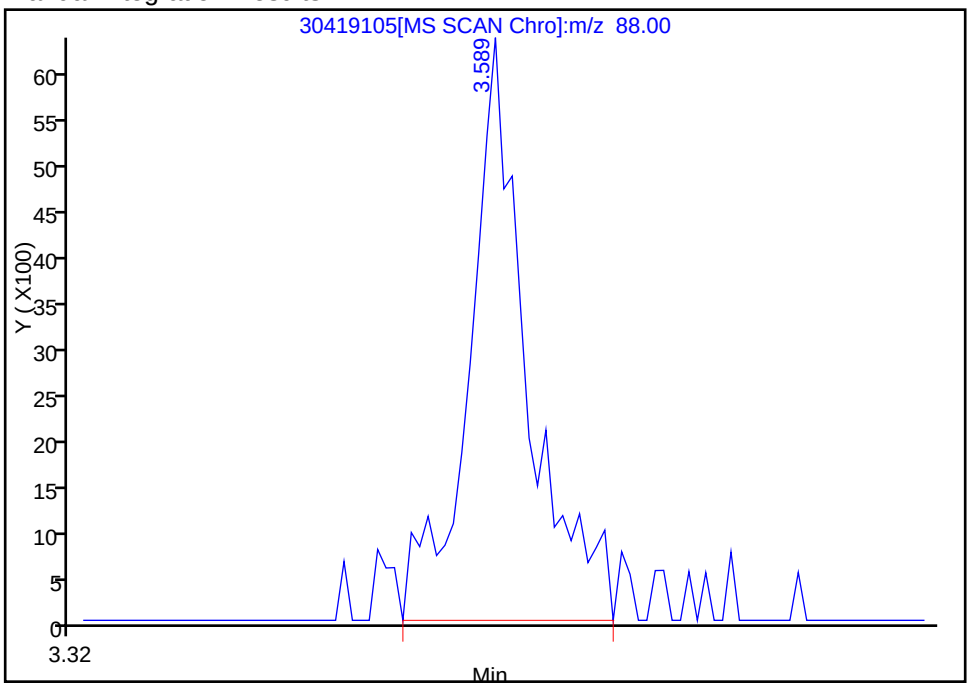
Processing Integration Results

RT: 3.59
Response: 14767
Amount: 0.404606



Manual Integration Results

RT: 3.59
Response: 16262
Amount: 0.430814



Reviewer: ulmanm, 19-Apr-2013 12:43:18
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

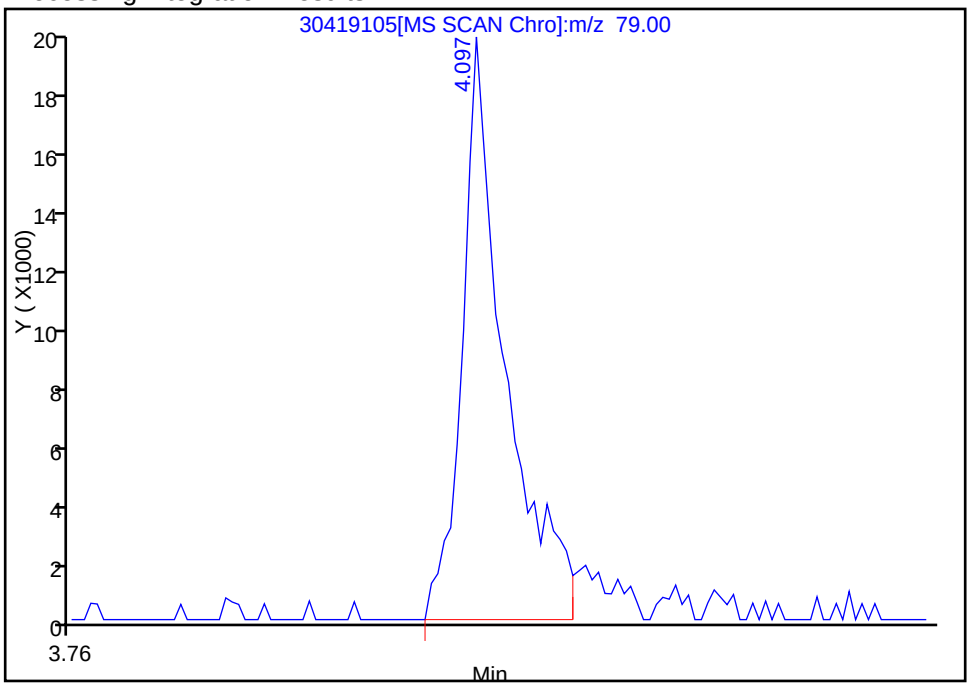
TestAmerica Canton

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Injection Date:	19-Apr-2013 12:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 4.09

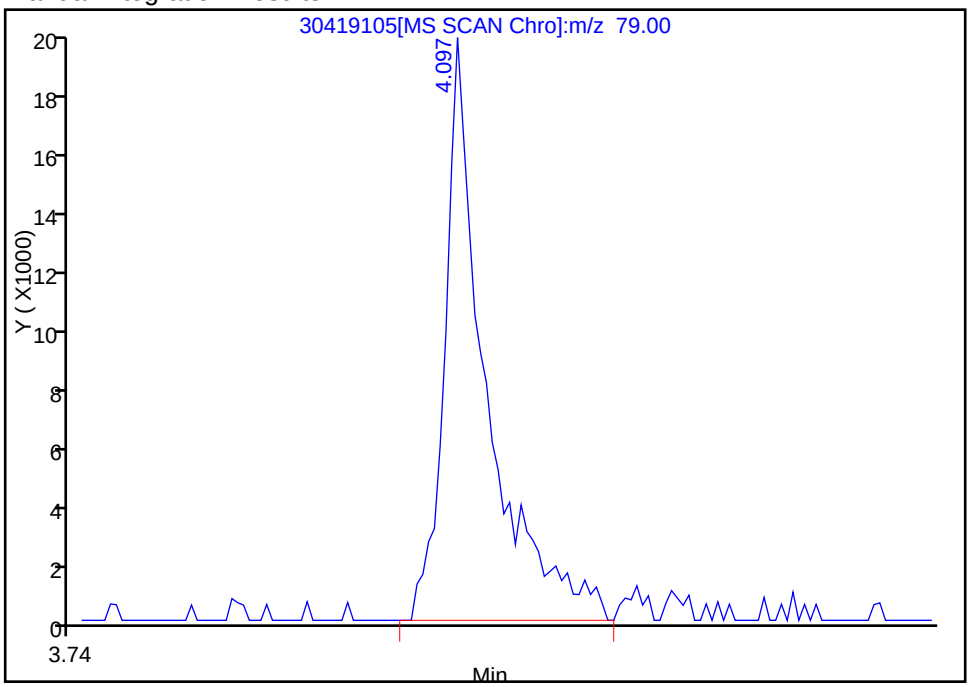
Processing Integration Results

RT: 4.10
Response: 48372
Amount: 0.472361



Manual Integration Results

RT: 4.10
Response: 52250
Amount: 0.502003



Reviewer: ulmanm, 19-Apr-2013 12:43:18
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

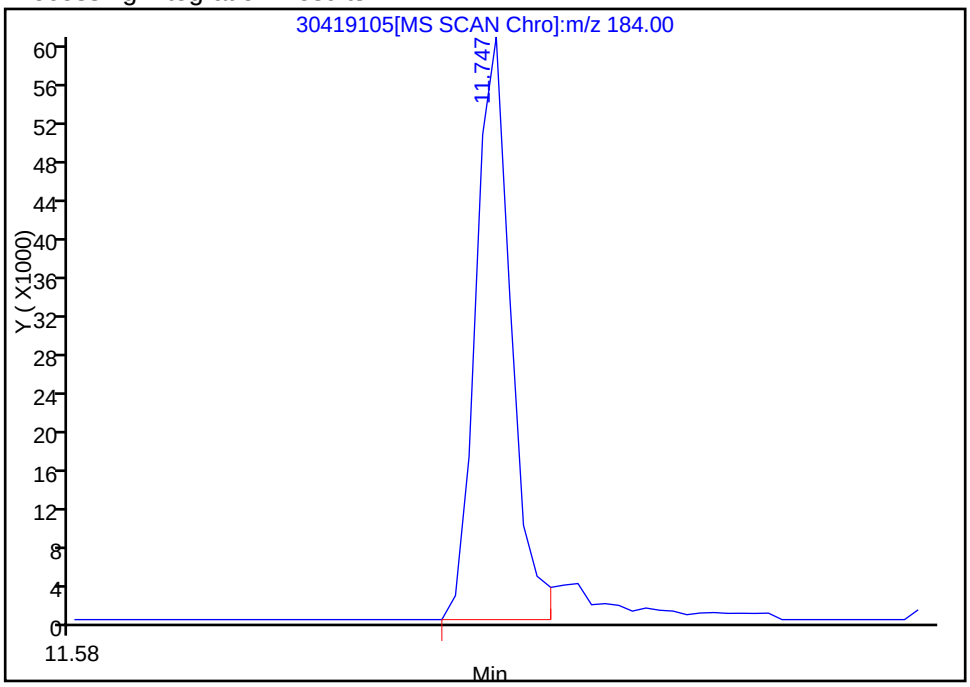
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419105.D		
Injection Date:	19-Apr-2013 12:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 11.75

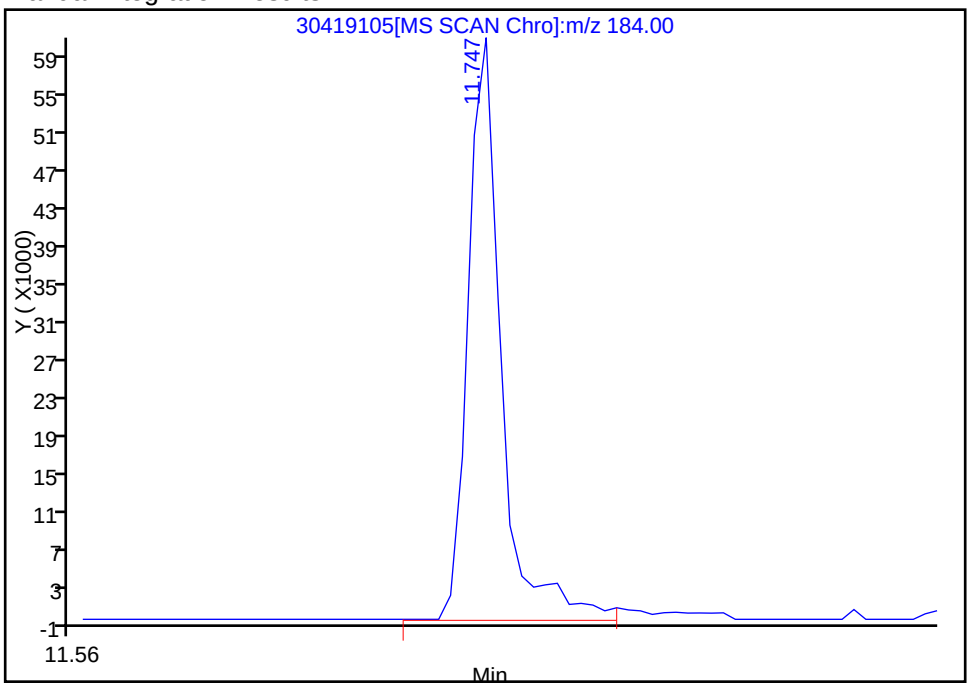
Processing Integration Results

RT: 11.75
Response: 58206
Amount: 0.773740



Manual Integration Results

RT: 11.75
Response: 63350
Amount: 0.784852



Reviewer: ulmanm, 19-Apr-2013 12:43:18
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

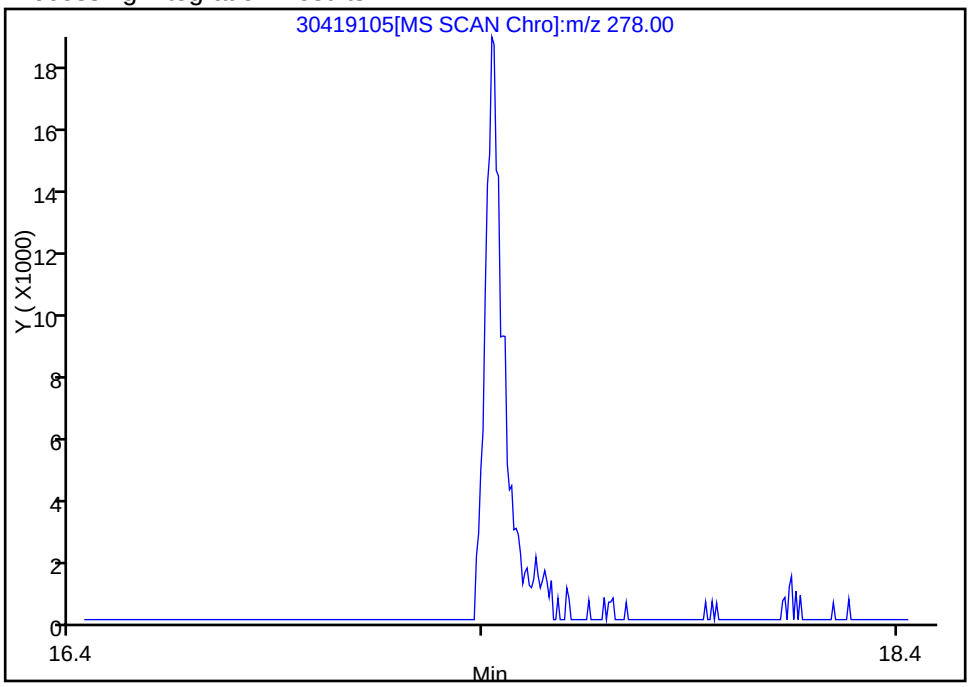
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419105.D		
Injection Date:	19-Apr-2013 12:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 17.43

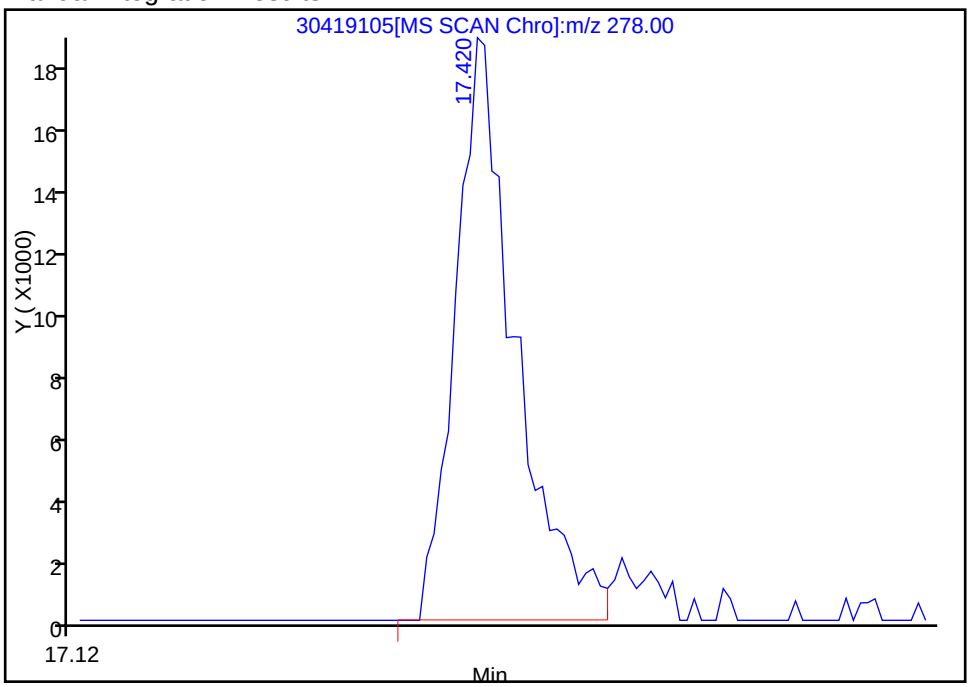
Processing Integration Results

Not Detected
Expected RT: 17.43



Manual Integration Results

RT: 17.42
Response: 55359
Amount: 0.393551



Reviewer: ulmanm, 19-Apr-2013 12:43:18
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

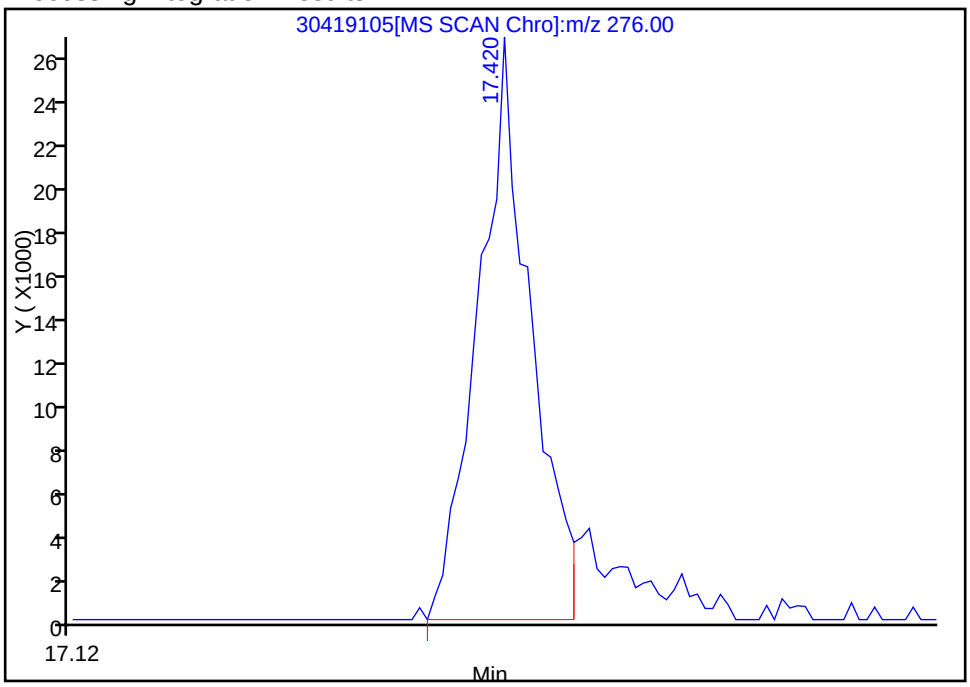
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419105.D		
Injection Date:	19-Apr-2013 12:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 17.43

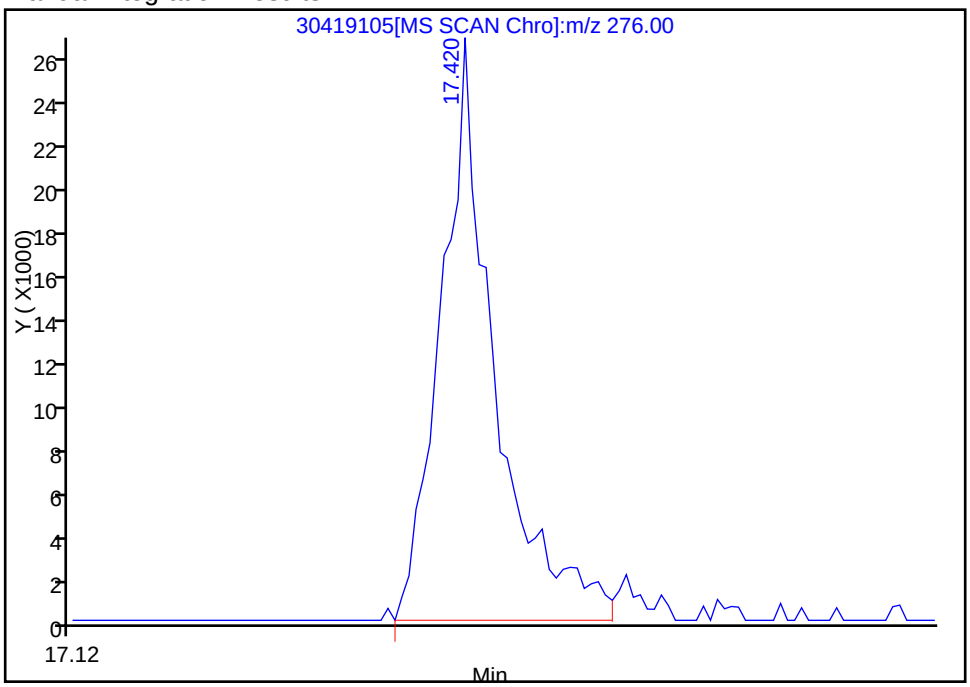
Processing Integration Results

RT: 17.42
Response: 66386
Amount: 0.401248



Manual Integration Results

RT: 17.42
Response: 74718
Amount: 0.432392



Reviewer: ulmanm, 19-Apr-2013 12:43:18
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

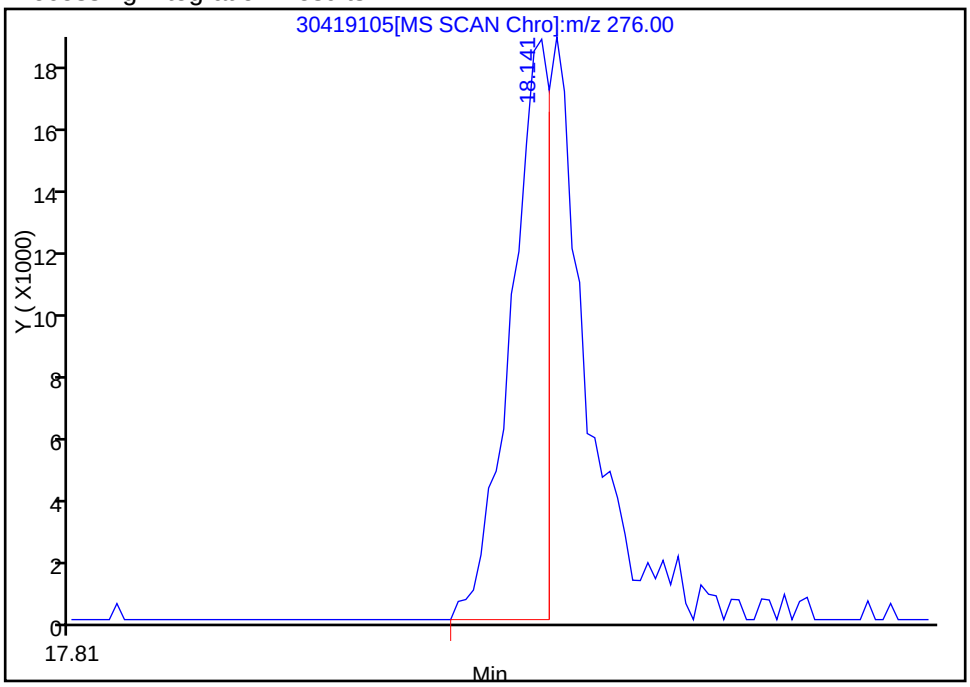
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419105.D		
Injection Date:	19-Apr-2013 12:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.15

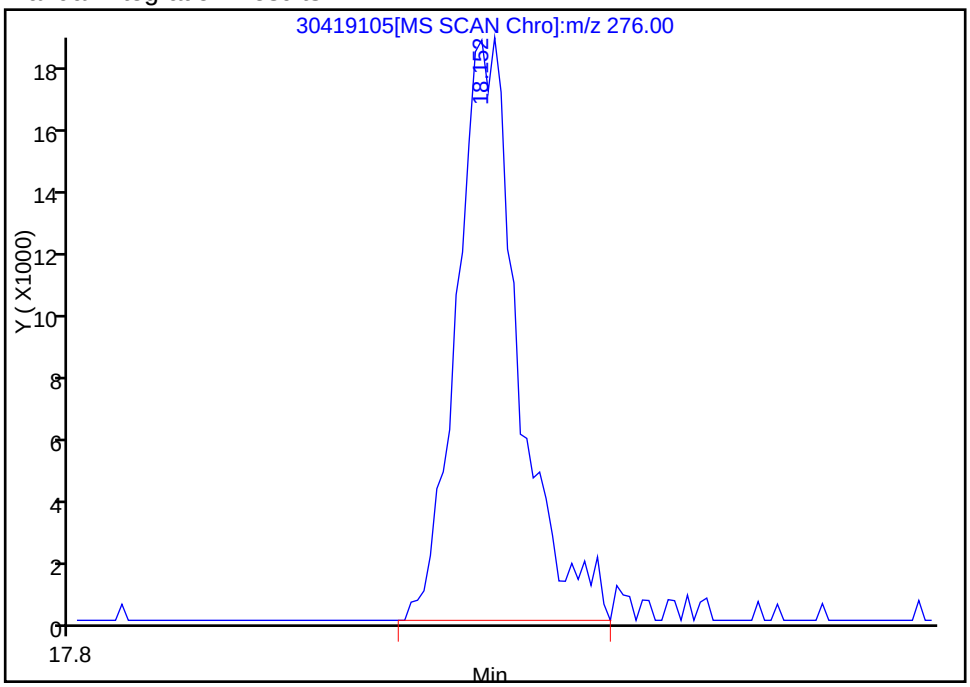
Processing Integration Results

RT: 18.14
Response: 34557
Amount: 0.270970



Manual Integration Results

RT: 18.15
Response: 64944
Amount: 0.455163



Reviewer: ulmanm, 19-Apr-2013 12:43:18
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419106.D		
Lims ID:	std1 lst1	Client ID:	
Inject. Date:	19-Apr-2013 12:27:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0019052-006		
Misc. Info.:	STD1 LST1 =STD1 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	82668	Lims Sample ID:	6
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\8270 _9.m		
Last Update:	19-Apr-2013 15:20:16	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK006		
First Level Reviewer: ulmanm		Date:	19-Apr-2013 12:53:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.750	6.752	-0.002	95	194046	4.00	
* 2 Naphthalene-d8	136	7.861	7.863	-0.002	99	788960	4.00	
* 3 Acenaphthene-d10	164	9.368	9.369	-0.001	75	458661	4.00	
* 4 Phenanthrene-d10	188	10.644	10.646	-0.002	93	793054	4.00	
* 5 Chrysene-d12	240	13.027	13.029	-0.002	79	839620	4.00	
* 6 Perylene-d12	264	15.105	15.107	-0.002	93	670665	4.00	
$ 9 Nitrobenzene-d5	82	7.220	7.222	-0.002	76	13819	0.1188	
$ 10 2-Fluorobiphenyl (Surr)	172	8.753	8.755	-0.002	78	16404	0.1202	
$ 12 Terphenyl-d14	244	11.959	11.960	-0.001	64	18313	0.1217	
41 Benzaldehyde	77	6.360	6.362	-0.002	78	18469	0.2188	
75 Naphthalene	128	7.877	7.879	-0.002	65	19752	0.1035	
87 2-Methylnaphthalene	142	8.465	8.467	-0.002	58	12705	0.1056	
88 1-Methylnaphthalene	142	8.556	8.557	-0.001	61	12084	0.1075	
98 1,1'-Biphenyl	154	8.850	8.851	-0.001	85	16838	0.1101	
100 2-Chloronaphthalene	162	8.887	8.889	-0.002	82	12663	0.1111	
109 Acenaphthylene	152	9.250	9.252	-0.002	79	17982	0.1020	
112 Acenaphthene	153	9.394	9.396	-0.002	79	11775	0.1059	
116 Dibenzofuran	168	9.539	9.540	-0.001	68	17010	0.1060	
126 Fluorene	166	9.832	9.834	-0.002	72	13767	0.1095	
141 Hexachlorobenzene	284	10.319	10.326	-0.007	23	3668	0.1022	
148 Phenanthrene	178	10.666	10.668	-0.002	46	23428	0.1197	
149 Anthracene	178	10.709	10.710	-0.001	74	18840	0.0974	
159 Fluoranthene	202	11.692	11.688	0.004	77	19302	0.1148	
161 Pyrene	202	11.895	11.896	-0.001	89	19455	0.1050	
177 Benzo[a]anthracene	228	13.016	13.018	-0.002	53	21637	0.1090	
178 Chrysene	228	13.059	13.061	-0.002	51	19483	0.1020	
182 Benzo[b]fluoranthene	252	14.448	14.450	-0.002	69	16652	0.0961	
183 Benzo[k]fluoranthene	252	14.485	14.493	-0.008	69	18261	0.0929	
184 Benzo[a]pyrene	252	15.014	15.016	-0.002	35	16074	0.0946	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
188 Indeno[1,2,3-cd]pyrene	276	17.418	17.425	-0.007	0	13958	0.0810	M
189 Dibenz(a,h)anthracene	278	17.418	17.431	-0.013	0	11116	0.0792	M
190 Benzo[g,h,i]perylene	276	18.156	18.152	0.004	0	11824	0.0831	M

QC Flag Legend

Review Flags
M - Manually Integrated

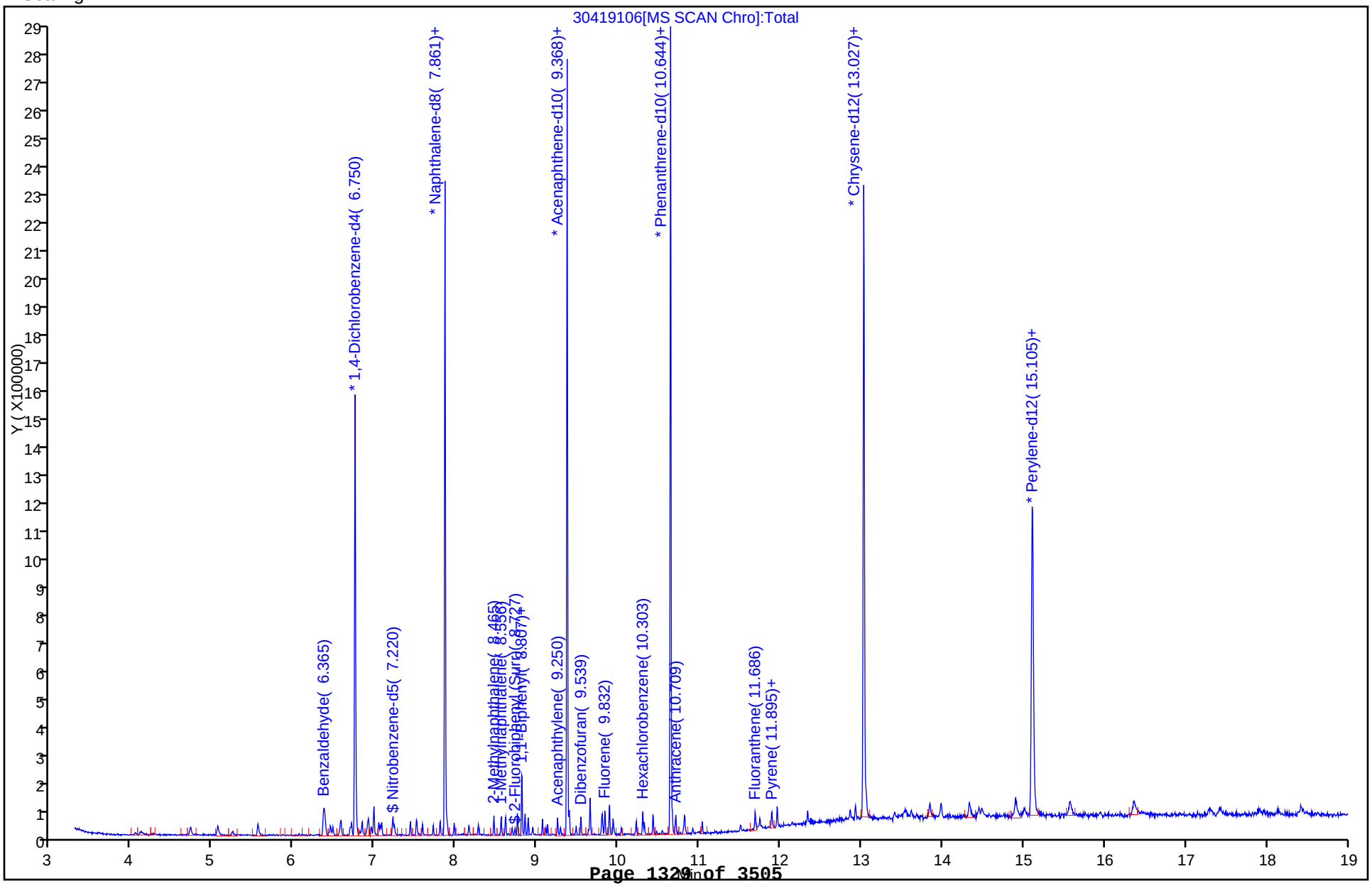
Report Date: 19-Apr-2013 15:20:16 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419106.D

Injection Date:	19-Apr-2013 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

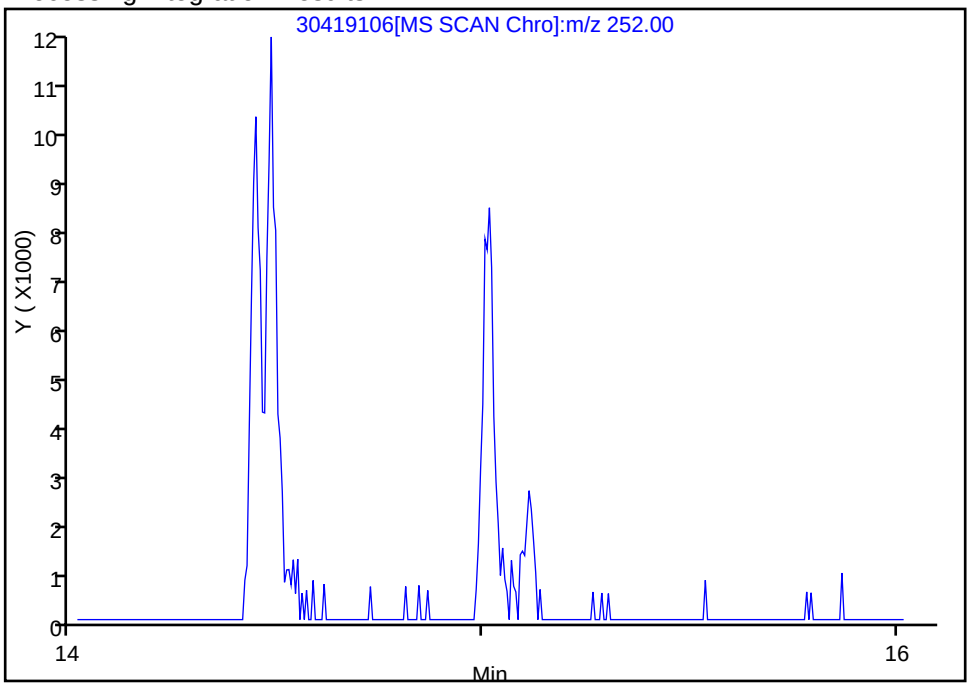
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419106.D		
Injection Date:	19-Apr-2013 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.02

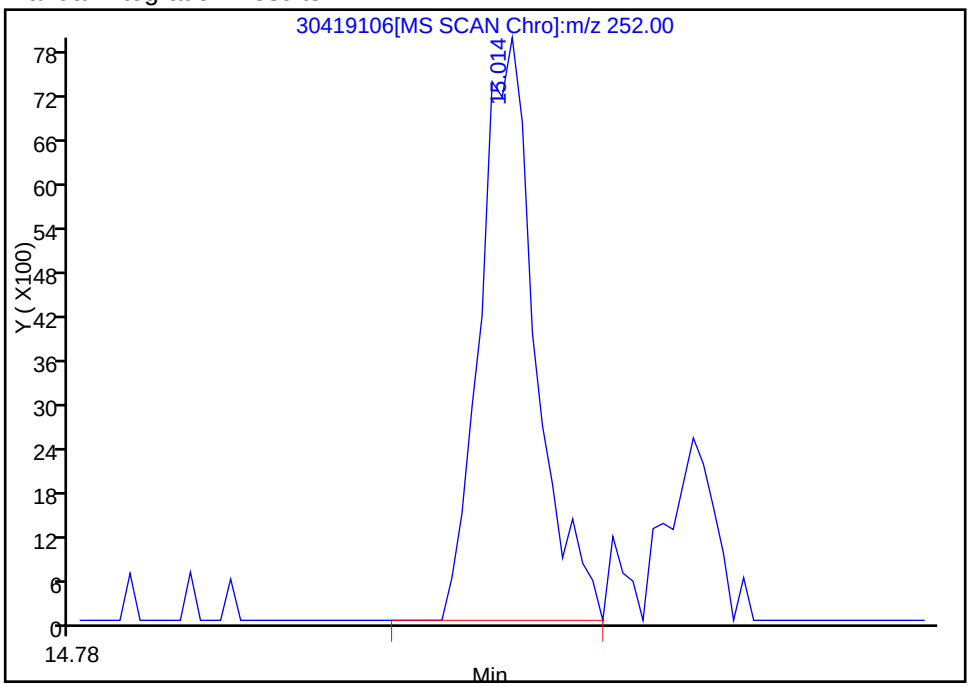
Processing Integration Results

Not Detected
Expected RT: 15.02



Manual Integration Results

RT: 15.01
Response: 16074
Amount: 0.094606



Reviewer: ulmanm, 19-Apr-2013 12:53:32
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

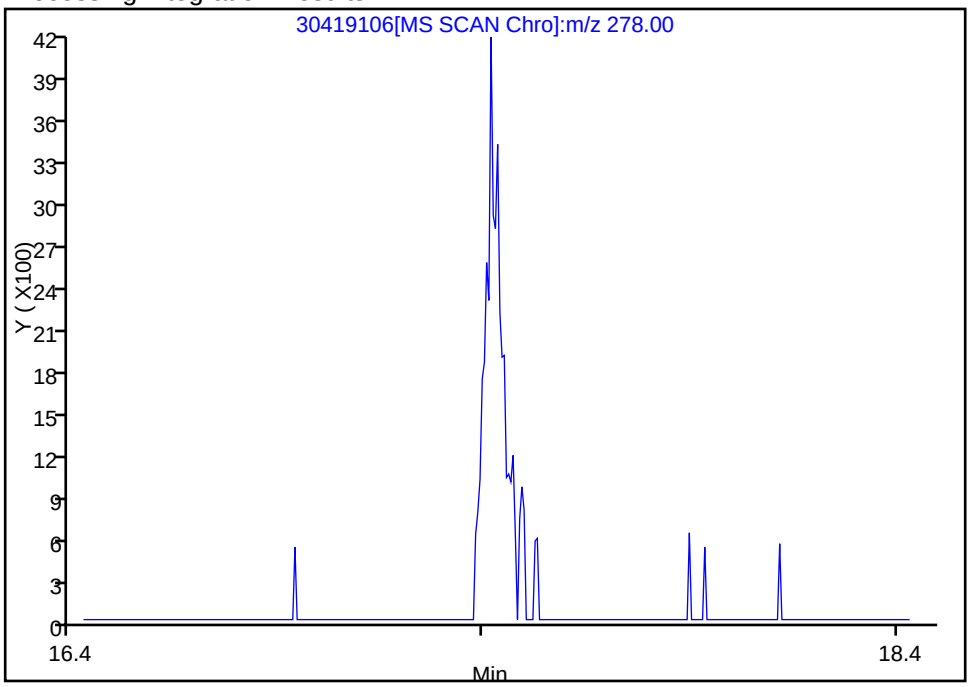
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419106.D		
Injection Date:	19-Apr-2013 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 17.43

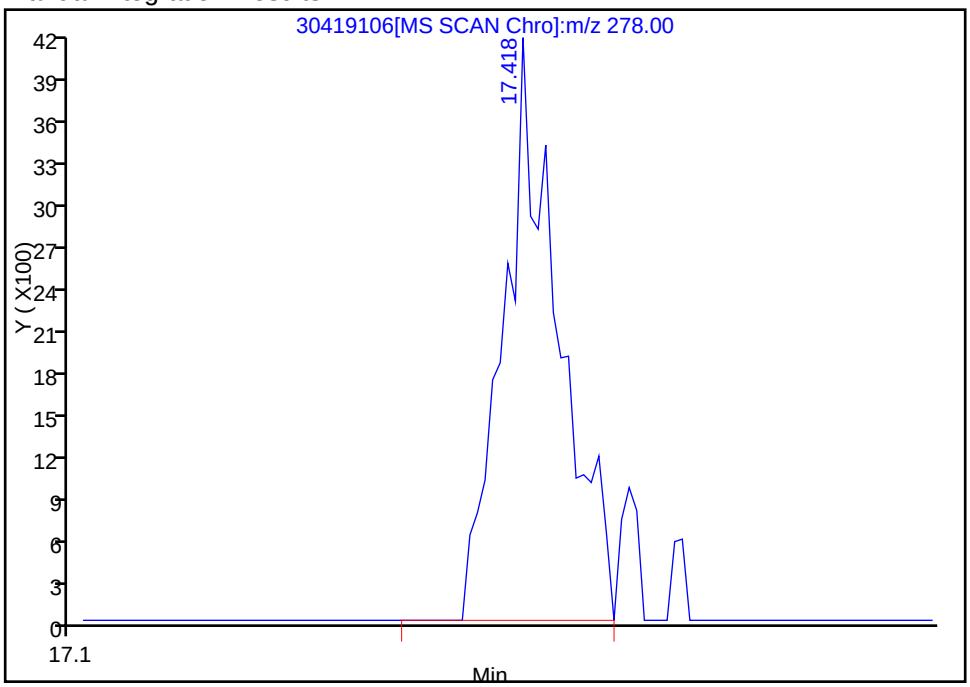
Processing Integration Results

Not Detected
Expected RT: 17.43



Manual Integration Results

RT: 17.42
Response: 11116
Amount: 0.079209



Reviewer: ulmanm, 19-Apr-2013 12:53:32
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

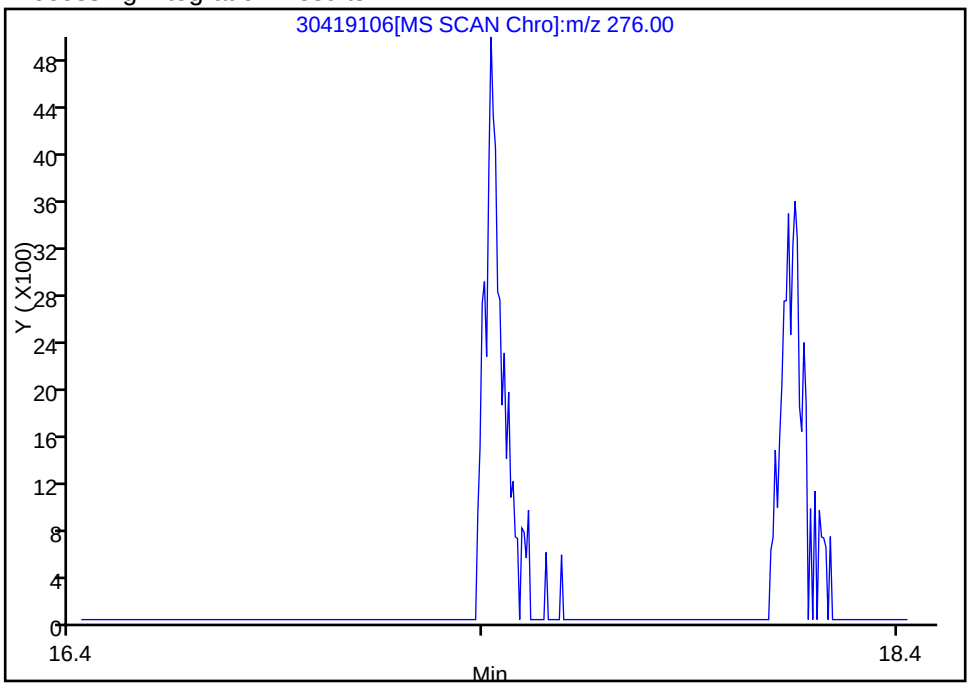
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419106.D		
Injection Date:	19-Apr-2013 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 17.43

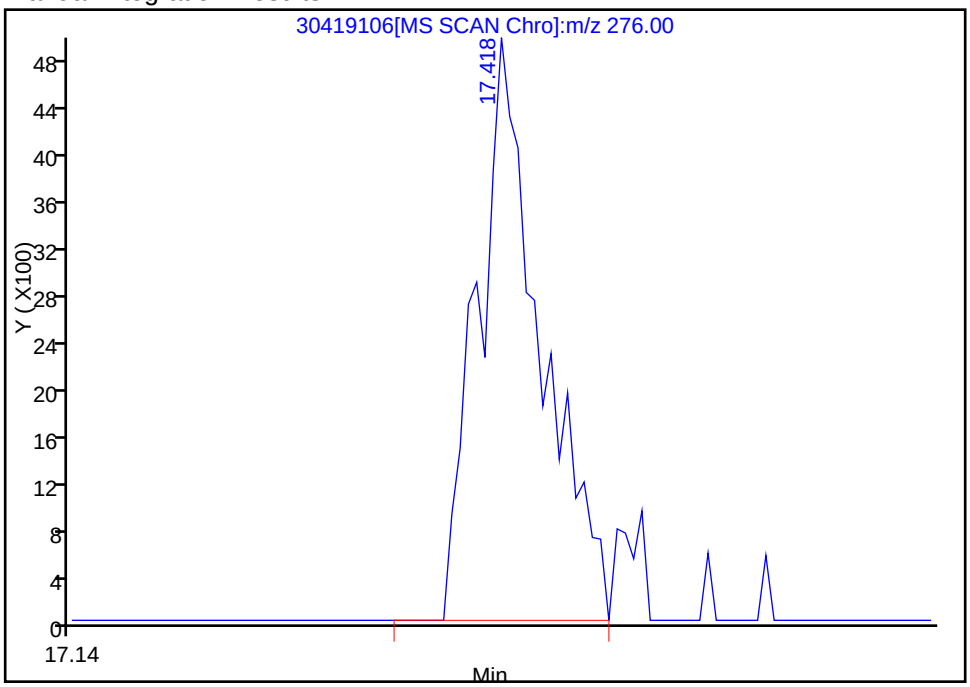
Processing Integration Results

Not Detected
Expected RT: 17.43



Manual Integration Results

RT: 17.42
Response: 13958
Amount: 0.080963



Reviewer: ulmanm, 19-Apr-2013 12:53:32
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

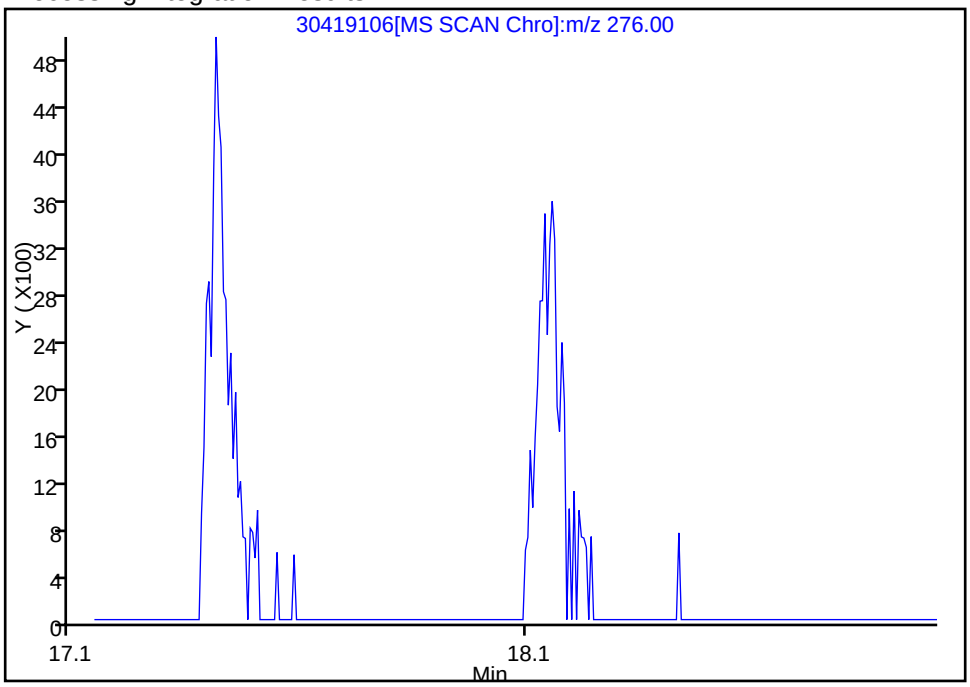
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419106.D		
Injection Date:	19-Apr-2013 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.15

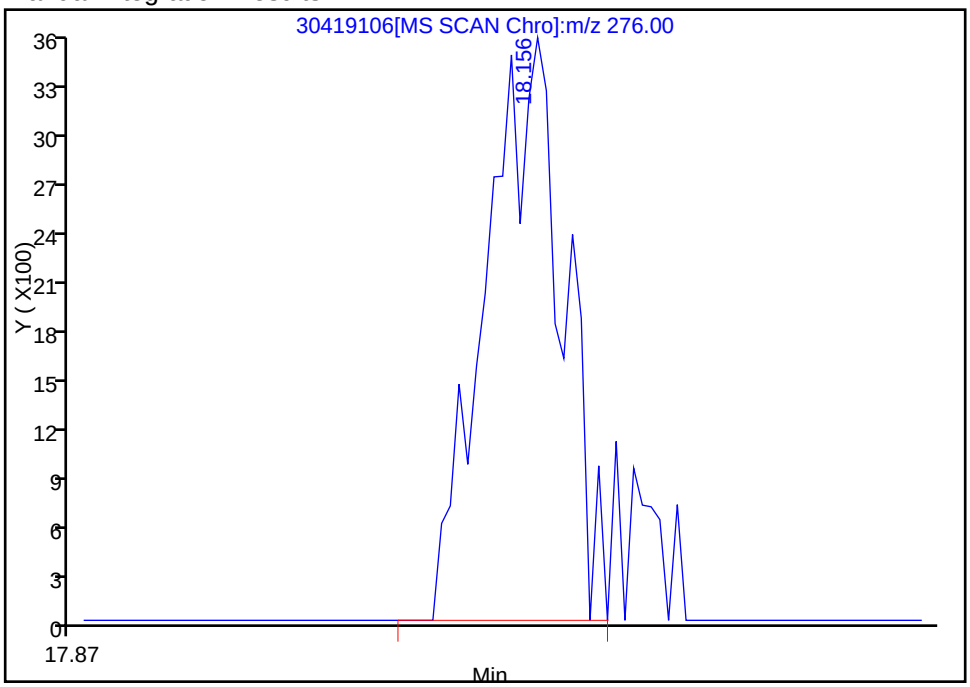
Not Detected
Expected RT: 18.15

Processing Integration Results



Manual Integration Results

RT: 18.16
Response: 11824
Amount: 0.083062



Reviewer: ulmanm, 19-Apr-2013 12:53:32
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419107.D		
Lims ID:	std9 lst1	Client ID:	
Inject. Date:	19-Apr-2013 12:53:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	240-0019052-007		
Misc. Info.:	STD9 LST1 =STD9 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	82668	Lims Sample ID:	7
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\8270 _9.m		
Last Update:	19-Apr-2013 15:36:12	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK006		
First Level Reviewer: ulmanm		Date:	19-Apr-2013 13:19:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.752	6.753	-0.001	93	188105	4.00	
* 2 Naphthalene-d8	136	7.864	7.859	0.005	99	770075	4.00	
* 3 Acenaphthene-d10	164	9.370	9.371	-0.001	81	438986	4.00	
* 4 Phenanthrene-d10	188	10.647	10.647	0.0	97	733147	4.00	
* 5 Chrysene-d12	240	13.035	13.030	0.005	80	897460	4.00	
* 6 Perylene-d12	264	15.113	15.108	0.005	97	706015	4.00	
$ 7 2-Fluorophenol	112	5.556	5.551	0.005	94	1918556	25.1	
$ 8 Phenol-d5	99	6.379	6.374	0.005	89	2466708	24.0	
$ 9 Nitrobenzene-d5	82	7.223	7.223	0.0	83	2885488	25.4	
$ 10 2-Fluorobiphenyl (Surr)	172	8.756	8.756	0.0	99	3284523	25.1	
$ 11 2,4,6-Tribromophenol	330	10.043	10.038	0.005	89	389531	27.5	
$ 12 Terphenyl-d14	244	11.961	11.962	-0.001	97	4024960	25.0	
244 n-Octadecane	57		0.000					
247 Hexadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	3.585	3.585	0.0	94	988590	25.8	M
26 N-Nitrosodimethylamine	74	4.039	4.034	0.005	87	1654390	26.1	
27 Pyridine	79	4.092	4.093	-0.001	92	2659677	25.1	
41 Benzaldehyde	77	6.362	6.363	-0.001	84	3706882	45.3	
43 Phenol	94	6.389	6.390	-0.001	91	2610447	24.7	
44 Aniline	93	6.453	6.449	0.004	97	3534522	25.9	
69 Bis(2-chloroethyl)ether	93	6.480	6.481	-0.001	96	2329404	24.6	
46 2-Chlorophenol	128	6.571	6.566	0.005	89	1497152	24.7	
47 1,3-Dichlorobenzene	146	6.710	6.710	0.0	79	1586179	24.9	
48 1,4-Dichlorobenzene	146	6.768	6.769	-0.001	77	1620336	24.7	
49 Benzyl alcohol	108	6.843	6.838	0.005	83	1215382	25.7	
50 1,2-Dichlorobenzene	146	6.907	6.908	-0.001	77	1517434	24.9	
51 2-Methylphenol	108	6.923	6.919	0.004	94	1661637	24.7	
53 2,2'-oxybis[1-chloropropane]	45	6.955	6.951	0.004	96	2196377	24.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.988	6.983	0.005	70	6166202	49.5	
21 3 & 4 Methylphenol	108	7.052	7.047	0.005	94	1763098	25.2	
57 N-Nitrosodi-n-propylamine	70	7.068	7.063	0.005	69	1860091	26.0	
58 Acetophenone	105	7.084	7.079	0.005	80	2802627	25.1	
61 Hexachloroethane	117	7.212	7.212	0.0	89	768790	24.7	
62 Nitrobenzene	77	7.239	7.239	0.0	76	2691173	26.2	
64 Isophorone	82	7.436	7.431	0.005	95	4548857	26.7	
65 2,4-Dimethylphenol	107	7.511	7.506	0.005	93	1797738	24.9	
66 2-Nitrophenol	139	7.516	7.517	-0.001	86	795770	26.0	
71 Benzoic acid	122	7.591	7.560	0.031	82	1995184	50.0	M
70 Bis(2-chloroethoxy)methane	93	7.586	7.586	0.0	98	2470640	25.1	
73 2,4-Dichlorophenol	162	7.719	7.715	0.004	93	1213176	25.7	
74 1,2,4-Trichlorobenzene	180	7.805	7.800	0.005	86	1348150	24.9	
75 Naphthalene	128	7.880	7.880	0.0	99	4658064	25.0	
76 4-Chloroaniline	127	7.896	7.891	0.005	78	2474616	25.3	
79 Hexachlorobutadiene	225	7.976	7.976	0.0	91	817410	25.5	
84 Caprolactam	113	8.195	8.174	0.021	79	1083786	51.7	
86 4-Chloro-3-methylphenol	107	8.280	8.276	0.004	79	1671310	26.0	
87 2-Methylnaphthalene	142	8.467	8.468	-0.001	83	2915876	24.8	
88 1-Methylnaphthalene	142	8.558	8.553	0.005	78	2739417	25.0	
89 Hexachlorocyclopentadiene	237	8.606	8.607	-0.001	96	967015	27.6	
91 1,2,4,5-Tetrachlorobenzene	216	8.617	8.612	0.005	94	1279687	25.4	
92 2,4,6-Trichlorophenol	196	8.692	8.692	0.0	87	876426	27.4	
93 2,4,5-Trichlorophenol	196	8.729	8.730	-0.001	87	894995	27.4	
98 1,1'-Biphenyl	154	8.852	8.852	0.0	95	3751997	25.6	
100 2-Chloronaphthalene	162	8.889	8.890	-0.001	98	2787567	25.6	
102 2-Nitroaniline	65	8.948	8.943	0.005	70	1286061	26.8	
105 Dimethyl phthalate	163	9.071	9.066	0.005	94	2759410	24.1	
106 1,3-Dinitrobenzene	168	9.114	9.109	0.005	80	519250	28.0	
107 2,6-Dinitrotoluene	165	9.135	9.130	0.005	62	660203	25.1	
109 Acenaphthylene	152	9.253	9.253	0.0	86	4496065	26.6	
110 3-Nitroaniline	138	9.295	9.291	0.004	82	784911	27.7	
111 2,4-Dinitrophenol	184	9.381	9.376	0.005	73	1013327	49.2	
113 4-Nitrophenol	109	9.397	9.392	0.005	84	1340191	57.2	
112 Acenaphthene	153	9.402	9.397	0.005	94	2567810	24.1	
114 2,4-Dinitrotoluene	165	9.488	9.483	0.005	77	960227	28.6	
116 Dibenzofuran	168	9.541	9.542	-0.001	84	3855502	25.1	
119 2,3,4,6-Tetrachlorophenol	232	9.637	9.632	0.005	74	694735	27.4	
121 Diethyl phthalate	149	9.659	9.659	0.0	92	2790662	26.2	
123 4-Chlorophenyl phenyl ether	204	9.803	9.798	0.005	95	1424113	23.7	
125 4-Nitroaniline	138	9.819	9.814	0.005	71	856483	24.9	
126 Fluorene	166	9.835	9.835	0.0	87	2728562	22.7	
128 4,6-Dinitro-2-methylphenol	198	9.846	9.841	0.005	75	1320383	49.1	
131 N-Nitrosodiphenylamine	169	9.899	9.894	0.005	99	3999799	46.3	
132 1,2-Diphenylhydrazine	77	9.936	9.937	-0.001	99	4907228	23.0	
133 Azobenzene	77	9.936	9.937	-0.001	94	4907597	23.0	
139 4-Bromophenyl phenyl ether	248	10.225	10.220	0.005	69	711337	21.9	
142 Atrazine	200	10.310	10.306	0.004	81	1610541	50.2	
141 Hexachlorobenzene	284	10.326	10.322	0.004	86	722944	21.8	
143 Pentachlorophenol	266	10.476	10.471	0.005	80	1137172	49.1	
148 Phenanthrene	178	10.668	10.669	-0.001	87	4590420	25.4	
149 Anthracene	178	10.711	10.712	-0.001	87	4754357	26.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.823	10.818	0.005	83	4382626	24.3	
154 Di-n-butyl phthalate	149	11.037	11.037	0.0	100	5448935	24.1	
159 Fluoranthene	202	11.694	11.689	0.005	98	5339471	24.3	
160 Benzidine	184	11.753	11.748	0.005	98	4307655	49.1	
161 Pyrene	202	11.897	11.892	0.005	95	5519777	27.9	
168 Butyl benzyl phthalate	149	12.335	12.336	-0.001	89	2517161	27.9	
173 Bis(2-ethylhexyl) phthalate	149	12.864	12.859	0.005	95	3437753	28.4	
175 3,3'-Dichlorobenzidine	252	12.933	12.929	0.004	71	3843001	56.2	
177 Benzo[a]anthracene	228	13.019	13.019	0.0	89	5642433	26.6	
178 Chrysene	228	13.067	13.062	0.005	95	5421401	26.5	
180 Di-n-octyl phthalate	149	13.617	13.618	-0.001	99	6233895	25.7	
182 Benzo[b]fluoranthene	252	14.456	14.451	0.005	86	5105522	28.0	
183 Benzo[k]fluoranthene	252	14.499	14.494	0.005	90	5605660	27.1	
184 Benzo[a]pyrene	252	15.022	15.017	0.005	77	4954138	27.7	
188 Indeno[1,2,3-cd]pyrene	276	17.453	17.432	0.021	90	4949381	27.3	
189 Dibenz(a,h)anthracene	278	17.453	17.437	0.016	67	4214255	28.5	
190 Benzo[g,h,i]perylene	276	18.169	18.153	0.016	93	3986748	26.6	
S 245 Total Cresols	100				0		50.0	
S 191 Methyl Phenols,Total	100				0		50.0	

QC Flag Legend

Review Flags
M - Manually Integrated

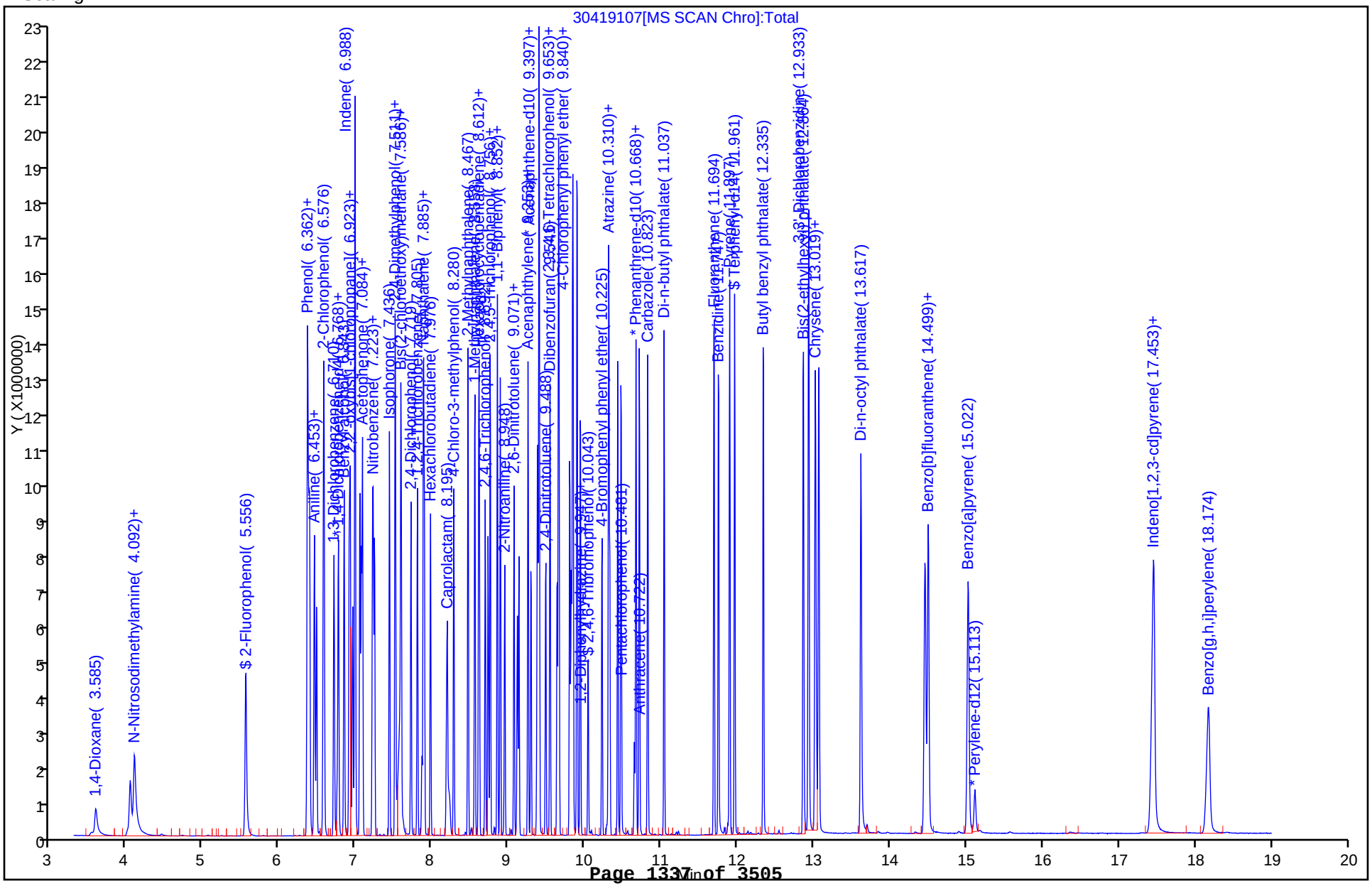
Report Date: 19-Apr-2013 15:36:12 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419107.D

Injection Date:	19-Apr-2013 12:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

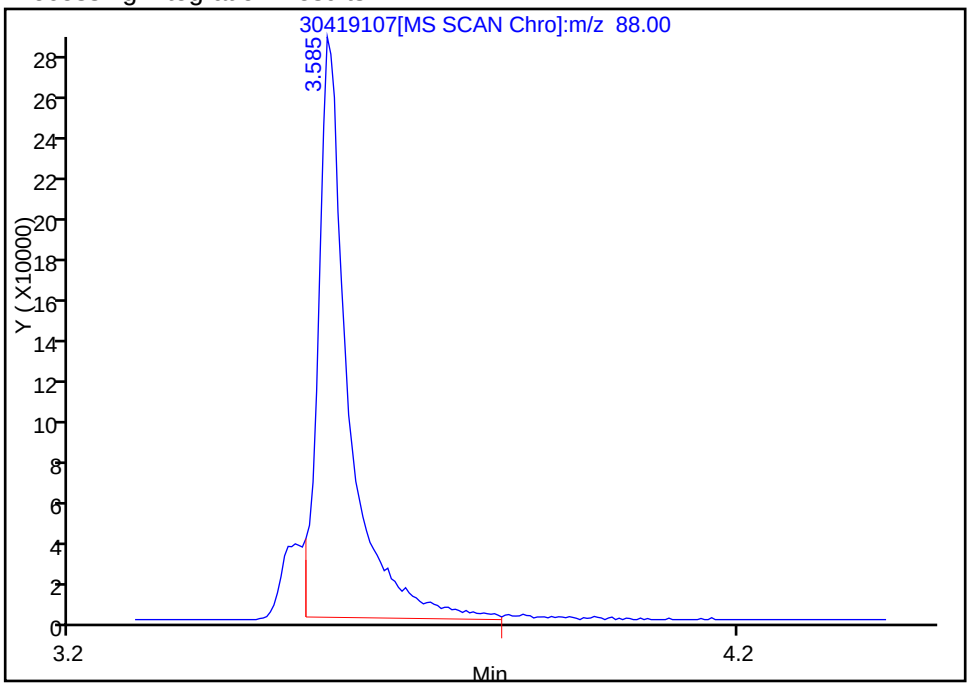
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419107.D		
Injection Date:	19-Apr-2013 12:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 3.59

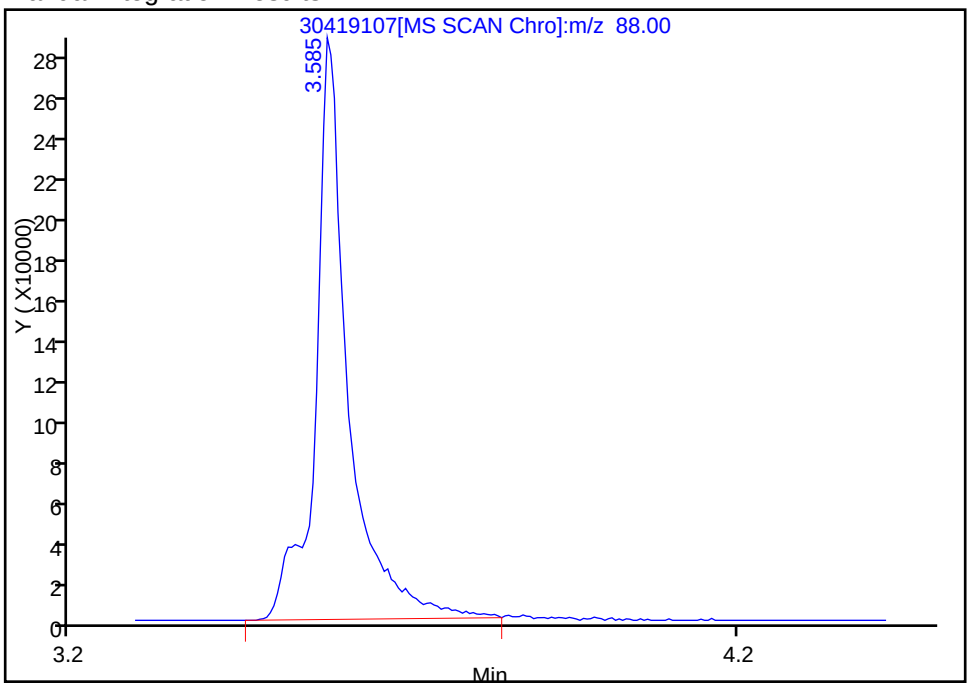
Processing Integration Results

RT: 3.58
Response: 907635
Amount: 24.178402



Manual Integration Results

RT: 3.58
Response: 988590
Amount: 25.772639



Reviewer: ulmanm, 19-Apr-2013 13:19:10
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

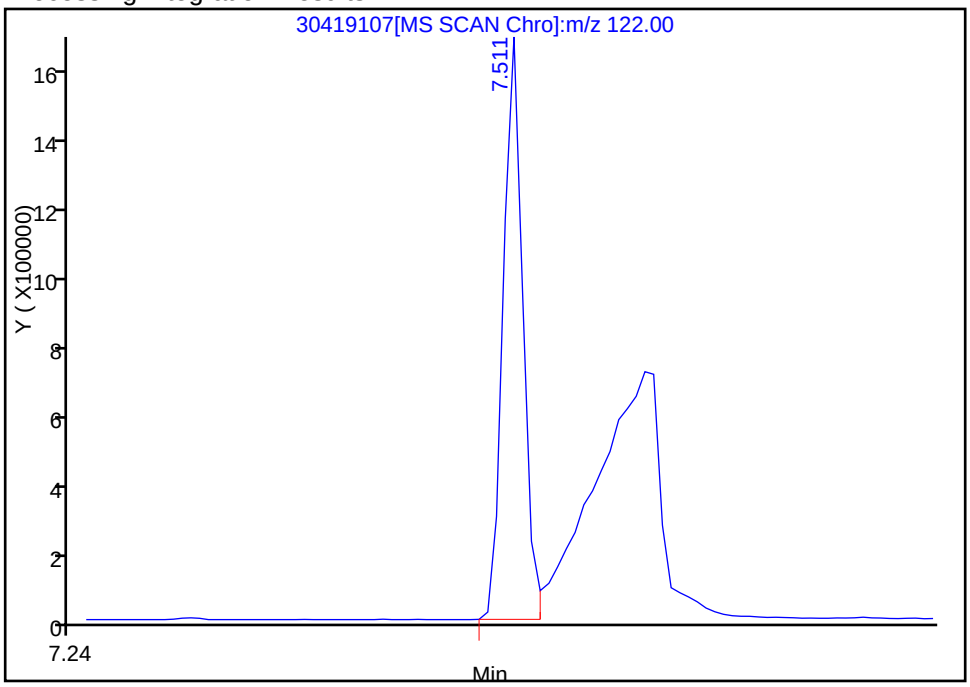
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419107.D		
Injection Date:	19-Apr-2013 12:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 7.56

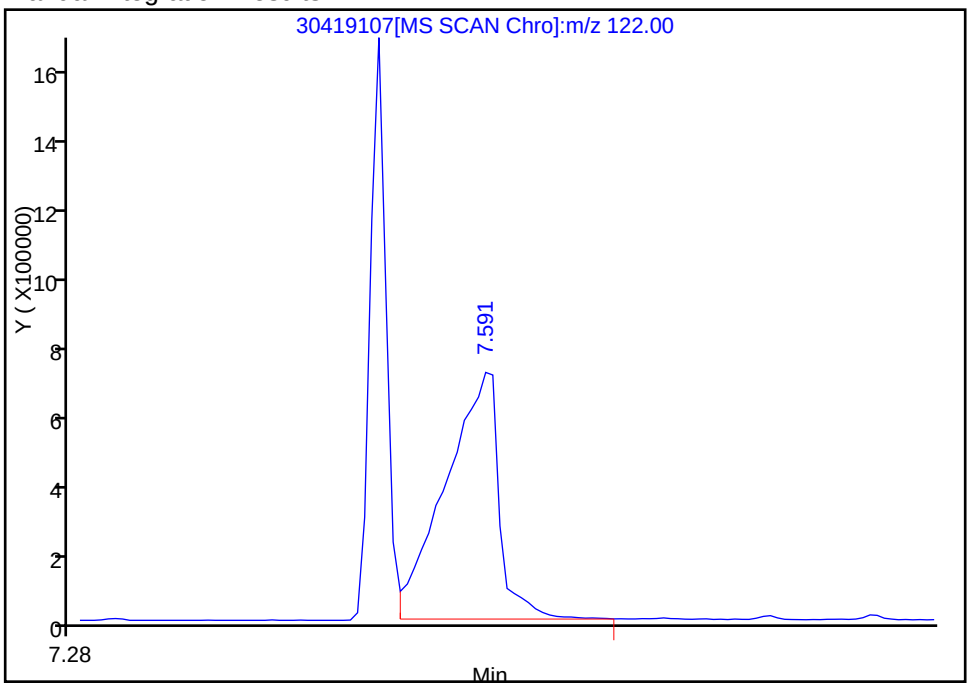
Processing Integration Results

RT: 7.51
Response: 1401791
Amount: 55.081821



Manual Integration Results

RT: 7.59
Response: 1995184
Amount: 49.991858



Reviewer: ulmanm, 19-Apr-2013 13:19:10
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 19-Apr-2013 15:20:19 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419108.D
Lims ID: std8 lst1 Client ID:
Inject. Date: 19-Apr-2013 13:19:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: 240-0019052-008
Misc. Info.: STD8 LST1 =STD8 LST1
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 82668 Lims Sample ID: 8
Sublist: chrom-8270 _9*sub23
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\8270 _9.m
Last Update: 19-Apr-2013 15:20:19 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK006

First Level Reviewer: ulmanm Date: 19-Apr-2013 13:43:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.751	6.752	-0.001	89	184412	4.00	
* 2 Naphthalene-d8	136	7.862	7.863	-0.001	99	778701	4.00	
* 3 Acenaphthene-d10	164	9.369	9.369	-0.001	78	439764	4.00	
* 4 Phenanthrene-d10	188	10.645	10.646	-0.001	97	728960	4.00	
* 5 Chrysene-d12	240	13.033	13.029	0.004	80	906443	4.00	
* 6 Perylene-d12	264	15.111	15.107	0.004	94	697713	4.00	
$ 7 2-Fluorophenol	112	5.554	5.550	0.004	94	1587421	21.2	
$ 8 Phenol-d5	99	6.377	6.373	0.004	90	2087423	20.7	
$ 9 Nitrobenzene-d5	82	7.221	7.222	-0.001	85	2362564	20.6	
$ 10 2-Fluorobiphenyl (Surr)	172	8.760	8.755	0.005	99	2710703	20.7	
$ 11 2,4,6-Tribromophenol	330	10.042	10.043	-0.001	88	306580	21.6	
$ 12 Terphenyl-d14	244	11.959	11.960	-0.001	97	3323820	20.5	
244 n-Octadecane	57		0.000					
247 Hexadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	3.588	3.579	0.009	94	812444	21.6	M
26 N-Nitrosodimethylamine	74	4.037	4.027	0.010	85	1361415	21.9	
27 Pyridine	79	4.096	4.086	0.010	91	2202993	21.2	
41 Benzaldehyde	77	6.361	6.362	-0.001	84	3223684	40.2	
43 Phenol	94	6.388	6.383	0.005	77	2165715	20.9	
44 Aniline	93	6.452	6.447	0.005	97	2886981	21.6	
69 Bis(2-chloroethyl)ether	93	6.478	6.479	-0.001	96	1930519	20.8	
46 2-Chlorophenol	128	6.569	6.570	-0.001	89	1248867	21.0	
47 1,3-Dichlorobenzene	146	6.708	6.709	-0.001	79	1327133	21.3	
48 1,4-Dichlorobenzene	146	6.767	6.768	-0.001	77	1343698	20.9	
49 Benzyl alcohol	108	6.842	6.837	0.005	83	1008236	21.7	
50 1,2-Dichlorobenzene	146	6.911	6.907	0.004	81	1249273	20.9	
51 2-Methylphenol	108	6.922	6.917	0.005	94	1395947	21.2	
53 2,2'-oxybis[1-chloropropane]	45	6.954	6.955	-0.001	95	1826443	21.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.986	6.982	0.004	69	5139306	42.1	
21 3 & 4 Methylphenol	108	7.050	7.046	0.004	94	1471948	21.5	
57 N-Nitrosodi-n-propylamine	70	7.066	7.062	0.004	73	1506915	21.5	
58 Acetophenone	105	7.082	7.078	0.004	82	2313199	21.1	
61 Hexachloroethane	117	7.216	7.211	0.005	83	649632	21.3	
62 Nitrobenzene	77	7.242	7.238	0.004	75	2227392	21.4	
64 Isophorone	82	7.435	7.430	0.005	95	3761811	21.9	
65 2,4-Dimethylphenol	107	7.509	7.505	0.004	93	1466994	20.1	
66 2-Nitrophenol	139	7.515	7.516	-0.001	83	661368	21.4	
71 Benzoic acid	122	7.584	7.542	0.042	81	1667453	41.6	
70 Bis(2-chloroethoxy)methane	93	7.584	7.585	-0.001	98	2065153	20.7	
73 2,4-Dichlorophenol	162	7.718	7.719	-0.001	93	1011187	21.2	
74 1,2,4-Trichlorobenzene	180	7.803	7.804	-0.001	84	1136145	20.8	
75 Naphthalene	128	7.883	7.879	0.004	99	3863702	20.5	
76 4-Chloroaniline	127	7.894	7.890	0.004	78	2081119	21.0	
79 Hexachlorobutadiene	225	7.974	7.975	-0.001	89	686578	21.2	
84 Caprolactam	113	8.188	8.167	0.021	83	898521	42.4	
86 4-Chloro-3-methylphenol	107	8.279	8.274	0.005	83	1397525	21.5	
87 2-Methylnaphthalene	142	8.466	8.467	-0.001	83	2450838	20.6	
88 1-Methylnaphthalene	142	8.557	8.557	-0.001	79	2275231	20.5	
89 Hexachlorocyclopentadiene	237	8.605	8.606	-0.001	92	796140	22.7	
91 1,2,4,5-Tetrachlorobenzene	216	8.615	8.611	0.004	93	1065751	21.1	
92 2,4,6-Trichlorophenol	196	8.695	8.691	0.004	89	727774	22.7	
93 2,4,5-Trichlorophenol	196	8.727	8.728	-0.001	87	744934	22.8	
98 1,1'-Biphenyl	154	8.850	8.851	-0.001	96	3099638	21.1	
100 2-Chloronaphthalene	162	8.893	8.889	0.004	98	2304134	21.1	
102 2-Nitroaniline	65	8.946	8.947	-0.001	71	1071831	22.3	
105 Dimethyl phthalate	163	9.069	9.065	0.004	94	2309208	20.2	
106 1,3-Dinitrobenzene	168	9.112	9.108	0.004	80	429965	23.1	
107 2,6-Dinitrotoluene	165	9.133	9.129	0.004	62	564221	21.4	
109 Acenaphthylene	152	9.251	9.252	-0.001	87	3726458	22.0	
110 3-Nitroaniline	138	9.294	9.289	0.005	85	635564	22.4	
111 2,4-Dinitrophenol	184	9.379	9.375	0.004	74	822967	41.8	
113 4-Nitrophenol	109	9.395	9.385	0.010	85	1126365	48.0	
112 Acenaphthene	153	9.401	9.396	0.005	94	2164078	20.3	
114 2,4-Dinitrotoluene	165	9.486	9.482	0.004	75	785033	23.4	
116 Dibenzofuran	168	9.539	9.540	-0.001	84	3236409	21.0	
119 2,3,4,6-Tetrachlorophenol	232	9.636	9.631	0.005	75	568952	22.4	
121 Diethyl phthalate	149	9.657	9.658	-0.001	92	2233871	21.0	
123 4-Chlorophenyl phenyl ether	204	9.801	9.802	-0.001	94	1250534	20.8	
125 4-Nitroaniline	138	9.817	9.813	0.004	77	720865	21.1	
126 Fluorene	166	9.839	9.834	0.005	80	2299363	19.1	
128 4,6-Dinitro-2-methylphenol	198	9.844	9.840	0.004	71	1069548	40.2	
131 N-Nitrosodiphenylamine	169	9.897	9.893	0.004	99	3243346	37.8	
132 1,2-Diphenylhydrazine	77	9.940	9.936	0.004	99	4086649	19.3	
133 Azobenzene	77	9.940	9.936	0.004	95	4086731	19.3	
139 4-Bromophenyl phenyl ether	248	10.223	10.224	-0.001	69	594929	18.4	
142 Atrazine	200	10.309	10.304	0.005	85	1362144	40.1	
141 Hexachlorobenzene	284	10.325	10.326	-0.001	87	607689	18.4	
143 Pentachlorophenol	266	10.474	10.470	0.004	83	932518	40.7	
148 Phenanthrene	178	10.667	10.668	-0.001	98	3685938	20.5	
149 Anthracene	178	10.709	10.710	-0.001	87	3860287	21.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.822	10.823	-0.001	83	3670033	20.5	
154 Di-n-butyl phthalate	149	11.035	11.036	-0.001	100	4486958	20.0	
159 Fluoranthene	202	11.692	11.688	0.004	98	4451266	20.4	
160 Benzidine	184	11.751	11.747	0.004	98	3871055	43.7	
161 Pyrene	202	11.895	11.896	-0.001	97	4557161	22.8	
168 Butyl benzyl phthalate	149	12.339	12.334	0.005	90	2040840	22.4	
173 Bis(2-ethylhexyl) phthalate	149	12.862	12.863	-0.001	95	2840962	23.3	
175 3,3'-Dichlorobenzidine	252	12.932	12.927	0.005	71	3197040	46.3	
177 Benzo[a]anthracene	228	13.017	13.018	-0.001	89	4671400	21.8	
178 Chrysene	228	13.065	13.061	0.004	94	4434155	21.5	
180 Di-n-octyl phthalate	149	13.616	13.616	0.0	100	5025851	21.1	
182 Benzo[b]fluoranthene	252	14.454	14.450	0.004	87	4188587	23.2	
183 Benzo[k]fluoranthene	252	14.497	14.493	0.004	90	4700490	23.0	
184 Benzo[a]pyrene	252	15.020	15.016	0.004	75	4120044	23.3	
188 Indeno[1,2,3-cd]pyrene	276	17.446	17.425	0.021	87	4107625	22.9	
189 Dibenz(a,h)anthracene	278	17.451	17.431	0.020	54	3456338	23.7	
190 Benzo[g,h,i]perylene	276	18.172	18.152	0.020	89	3262037	22.0	
S 245 Total Cresols	100				0		42.7	
S 191 Methyl Phenols,Total	100				0		42.7	

QC Flag Legend

Review Flags
M - Manually Integrated

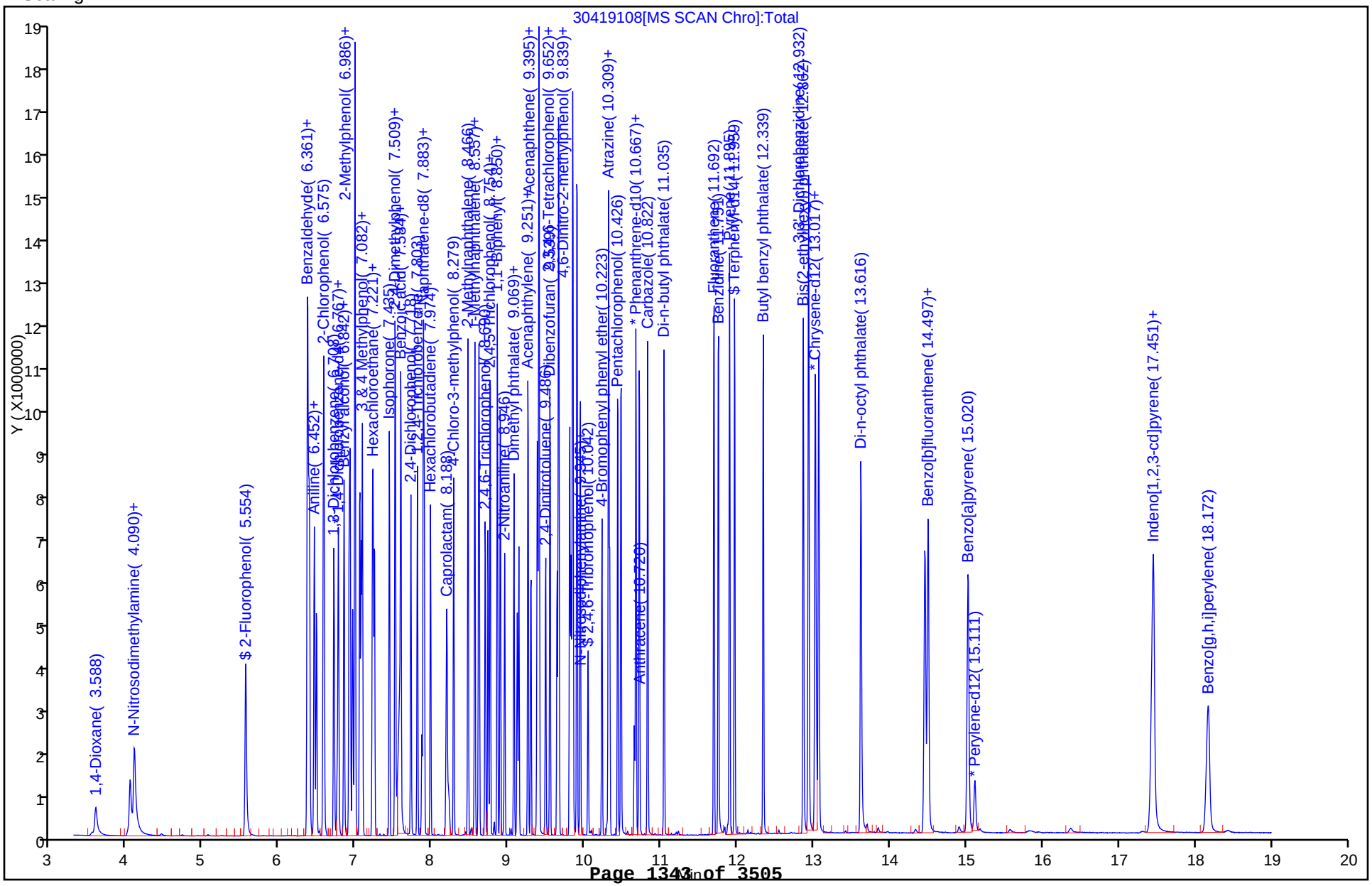
Report Date: 19-Apr-2013 15:20:19 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419108.D

Injection Date:	19-Apr-2013 13:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	8
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

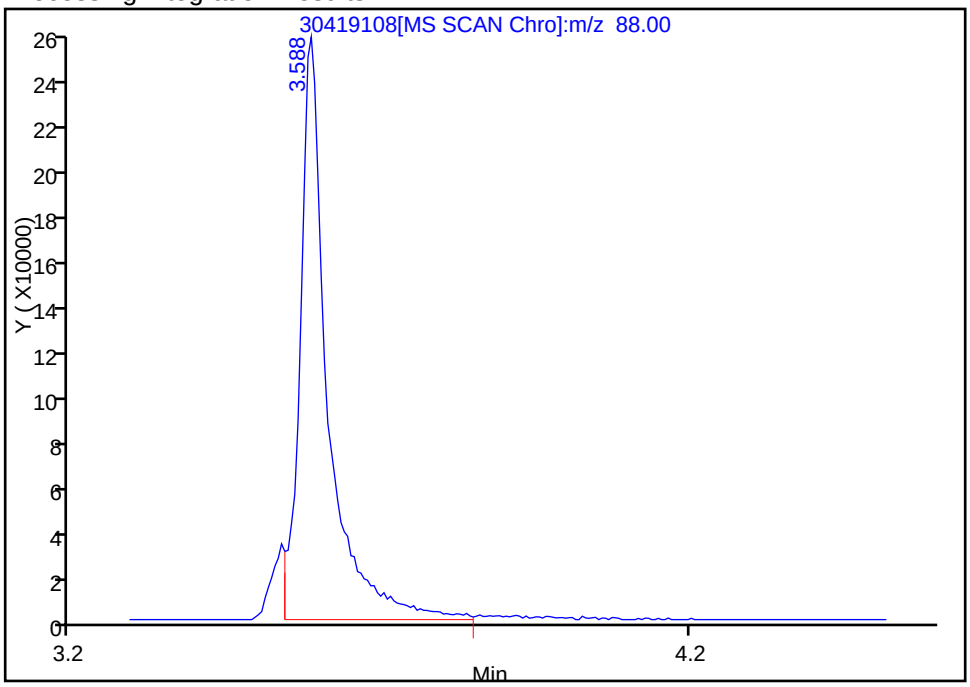
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419108.D		
Injection Date:	19-Apr-2013 13:19:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	8
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 3.58

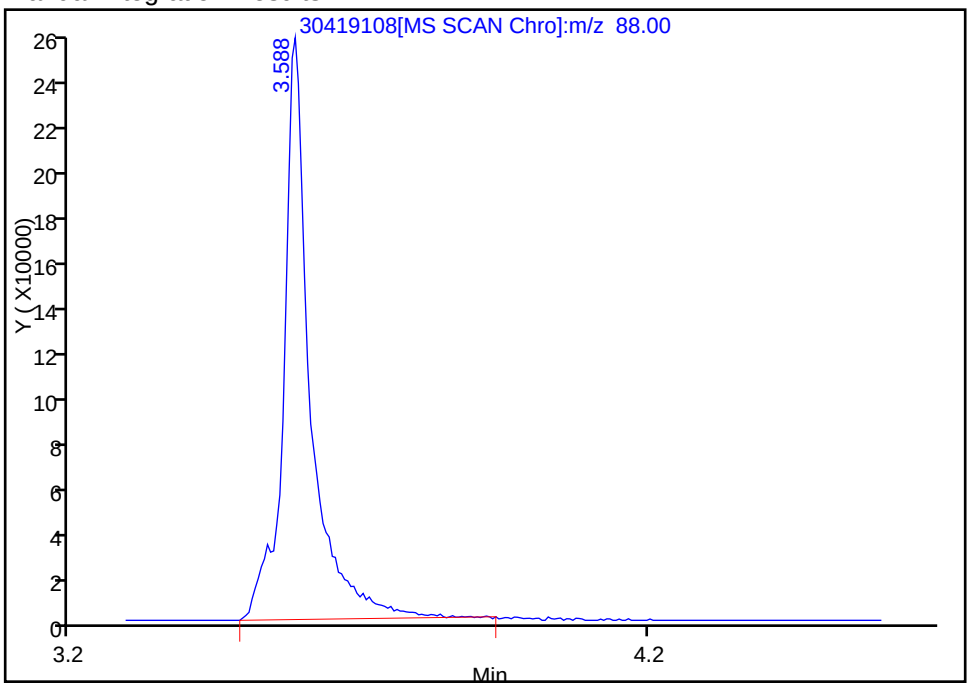
Processing Integration Results

RT: 3.59
Response: 784078
Amount: 20.780464



Manual Integration Results

RT: 3.59
Response: 812444
Amount: 21.604652



Reviewer: ulmanm, 19-Apr-2013 13:43:41
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419109.D		
Lims ID:	std7 lst1	Client ID:	
Inject. Date:	19-Apr-2013 13:45:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	240-0019052-009		
Misc. Info.:	STD7 LST1 =STD7 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	82668	Lims Sample ID:	9
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\8270 _9.m		
Last Update:	19-Apr-2013 15:20:20	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK006		
First Level Reviewer: ulmanm		Date:	19-Apr-2013 14:11:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.755	6.752	0.002	95	197936	4.00	
* 2 Naphthalene-d8	136	7.860	7.863	-0.003	99	800557	4.00	
* 3 Acenaphthene-d10	164	9.367	9.369	-0.002	75	469479	4.00	
* 4 Phenanthrene-d10	188	10.644	10.646	-0.002	96	719337	4.00	
* 5 Chrysene-d12	240	13.032	13.029	0.003	78	926720	4.00	
* 6 Perylene-d12	264	15.110	15.107	0.003	97	733437	4.00	
$ 7 2-Fluorophenol	112	5.553	5.550	0.003	94	1164383	14.5	
$ 8 Phenol-d5	99	6.375	6.373	0.002	89	1515351	14.0	
$ 9 Nitrobenzene-d5	82	7.219	7.222	-0.003	83	1738998	14.7	
$ 10 2-Fluorobiphenyl (Surr)	172	8.758	8.755	0.003	99	1994393	14.3	
$ 11 2,4,6-Tribromophenol	330	10.040	10.043	-0.003	84	210053	13.8	
$ 12 Terphenyl-d14	244	11.963	11.960	0.003	98	2426922	14.6	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	3.581	3.579	0.002	92	590252	14.6	M
26 N-Nitrosodimethylamine	74	4.035	4.027	0.008	84	982936	14.7	
27 Pyridine	79	4.089	4.086	0.003	93	1604091	14.4	
41 Benzaldehyde	77	6.359	6.362	-0.003	84	2418692	28.1	
43 Phenol	94	6.386	6.383	0.003	93	1580038	14.2	
44 Aniline	93	6.450	6.447	0.003	94	2070261	14.4	
69 Bis(2-chloroethyl)ether	93	6.477	6.479	-0.002	94	1422616	14.3	
46 2-Chlorophenol	128	6.568	6.570	-0.002	89	922872	14.4	
47 1,3-Dichlorobenzene	146	6.706	6.709	-0.003	82	964211	14.4	
48 1,4-Dichlorobenzene	146	6.765	6.768	-0.003	82	978336	14.2	
49 Benzyl alcohol	108	6.840	6.837	0.003	83	740168	14.8	
50 1,2-Dichlorobenzene	146	6.909	6.907	0.002	79	907094	14.2	
51 2-Methylphenol	108	6.920	6.917	0.003	94	1004570	14.2	
53 2,2'-oxybis[1-chloropropane]	45	6.952	6.955	-0.003	95	1340211	14.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.984	6.982	0.002	68	3743409	28.5	
21 3 & 4 Methylphenol	108	7.048	7.046	0.002	94	1080655	14.7	
57 N-Nitrosodi-n-propylamine	70	7.064	7.062	0.002	71	1128001	15.0	
58 Acetophenone	105	7.080	7.078	0.002	81	1699365	14.5	
61 Hexachloroethane	117	7.214	7.211	0.003	82	468915	14.3	
62 Nitrobenzene	77	7.241	7.238	0.003	80	1624294	15.2	
64 Isophorone	82	7.433	7.430	0.003	95	2715261	15.3	
65 2,4-Dimethylphenol	107	7.508	7.505	0.003	97	1094395	14.6	
66 2-Nitrophenol	139	7.513	7.516	-0.003	84	495629	15.6	
71 Benzoic acid	122	7.572	7.542	0.030	84	1212344	29.8	
70 Bis(2-chloroethoxy)methane	93	7.588	7.585	0.003	95	1537645	15.0	
73 2,4-Dichlorophenol	162	7.716	7.719	-0.003	93	738102	15.0	
74 1,2,4-Trichlorobenzene	180	7.802	7.804	-0.002	84	834772	14.8	
75 Naphthalene	128	7.882	7.879	0.003	99	2853867	14.7	
76 4-Chloroaniline	127	7.892	7.890	0.002	77	1514662	14.9	
79 Hexachlorobutadiene	225	7.973	7.975	-0.003	90	496305	14.9	
84 Caprolactam	113	8.181	8.167	0.014	81	646723	29.7	
86 4-Chloro-3-methylphenol	107	8.277	8.274	0.003	79	1007734	15.1	
87 2-Methylnaphthalene	142	8.464	8.467	-0.003	85	1791630	14.7	
88 1-Methylnaphthalene	142	8.555	8.557	-0.002	78	1676016	14.7	
89 Hexachlorocyclopentadiene	237	8.603	8.606	-0.003	89	579269	15.5	
91 1,2,4,5-Tetrachlorobenzene	216	8.614	8.611	0.003	92	781232	14.5	
92 2,4,6-Trichlorophenol	196	8.694	8.691	0.003	89	533354	15.6	
93 2,4,5-Trichlorophenol	196	8.726	8.728	-0.002	85	542576	15.6	
98 1,1'-Biphenyl	154	8.849	8.851	-0.002	96	2288941	14.6	
100 2-Chloronaphthalene	162	8.891	8.889	0.002	98	1705271	14.6	
102 2-Nitroaniline	65	8.945	8.947	-0.002	72	802771	15.6	
105 Dimethyl phthalate	163	9.068	9.065	0.003	93	1735965	14.2	
106 1,3-Dinitrobenzene	168	9.110	9.108	0.002	80	312145	15.7	
107 2,6-Dinitrotoluene	165	9.132	9.129	0.003	63	410597	14.6	
109 Acenaphthylene	152	9.255	9.252	0.003	87	2671134	14.8	
110 3-Nitroaniline	138	9.292	9.289	0.003	86	448191	14.8	
111 2,4-Dinitrophenol	184	9.377	9.375	0.002	74	565951	29.4	
113 4-Nitrophenol	109	9.394	9.385	0.009	85	821487	32.8	
112 Acenaphthene	153	9.399	9.396	0.003	92	1644598	14.4	
114 2,4-Dinitrotoluene	165	9.484	9.482	0.002	75	556842	15.5	
116 Dibenzofuran	168	9.543	9.540	0.003	85	2401088	14.6	
119 2,3,4,6-Tetrachlorophenol	232	9.634	9.631	0.003	76	392032	14.4	
121 Diethyl phthalate	149	9.655	9.658	-0.003	92	1559614	13.7	
123 4-Chlorophenyl phenyl ether	204	9.800	9.802	-0.002	95	940212	14.6	
125 4-Nitroaniline	138	9.816	9.813	0.003	77	519515	14.5	
126 Fluorene	166	9.837	9.834	0.003	80	1809132	14.1	
128 4,6-Dinitro-2-methylphenol	198	9.842	9.840	0.002	75	784484	30.2	
131 N-Nitrosodiphenylamine	169	9.896	9.893	0.003	99	2328546	27.5	
132 1,2-Diphenylhydrazine	77	9.938	9.936	0.002	99	3080858	14.7	
133 Azobenzene	77	9.938	9.936	0.002	95	3081209	14.7	
139 4-Bromophenyl phenyl ether	248	10.222	10.224	-0.002	69	439656	13.8	
142 Atrazine	200	10.307	10.304	0.003	80	1034035	29.1	
141 Hexachlorobenzene	284	10.323	10.326	-0.003	88	461461	14.2	
143 Pentachlorophenol	266	10.473	10.470	0.003	82	672581	30.0	
148 Phenanthrene	178	10.665	10.668	-0.003	98	2577032	14.5	
149 Anthracene	178	10.713	10.710	0.003	87	2686405	15.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.820	10.823	-0.003	83	2644490	15.0	
154 Di-n-butyl phthalate	149	11.039	11.036	0.003	100	3293727	15.0	
159 Fluoranthene	202	11.691	11.688	0.003	98	3238363	15.0	
160 Benzidine	184	11.749	11.747	0.002	99	2891335	31.9	
161 Pyrene	202	11.894	11.896	-0.002	96	3362426	16.4	
168 Butyl benzyl phthalate	149	12.337	12.334	0.003	89	1453791	15.6	
173 Bis(2-ethylhexyl) phthalate	149	12.861	12.863	-0.002	94	2031399	16.3	
175 3,3'-Dichlorobenzidine	252	12.930	12.927	0.003	64	2305932	32.7	
177 Benzo[a]anthracene	228	13.015	13.018	-0.003	89	3308538	15.1	
178 Chrysene	228	13.064	13.061	0.003	93	3147091	14.9	
180 Di-n-octyl phthalate	149	13.619	13.616	0.003	100	3542740	14.2	
182 Benzo[b]fluoranthene	252	14.453	14.450	0.002	88	3015223	15.9	
183 Benzo[k]fluoranthene	252	14.495	14.493	0.002	90	3276799	15.2	
184 Benzo[a]pyrene	252	15.019	15.016	0.003	75	2935701	15.8	
188 Indeno[1,2,3-cd]pyrene	276	17.439	17.425	0.014	92	2918202	15.5	
189 Dibenz(a,h)anthracene	278	17.439	17.431	0.008	61	2435344	15.9	
190 Benzo[g,h,i]perylene	276	18.160	18.152	0.008	95	2377859	15.3	
S 245 Total Cresols	100				0		28.9	
S 191 Methyl Phenols,Total	100				0		28.9	

QC Flag Legend

Review Flags
M - Manually Integrated

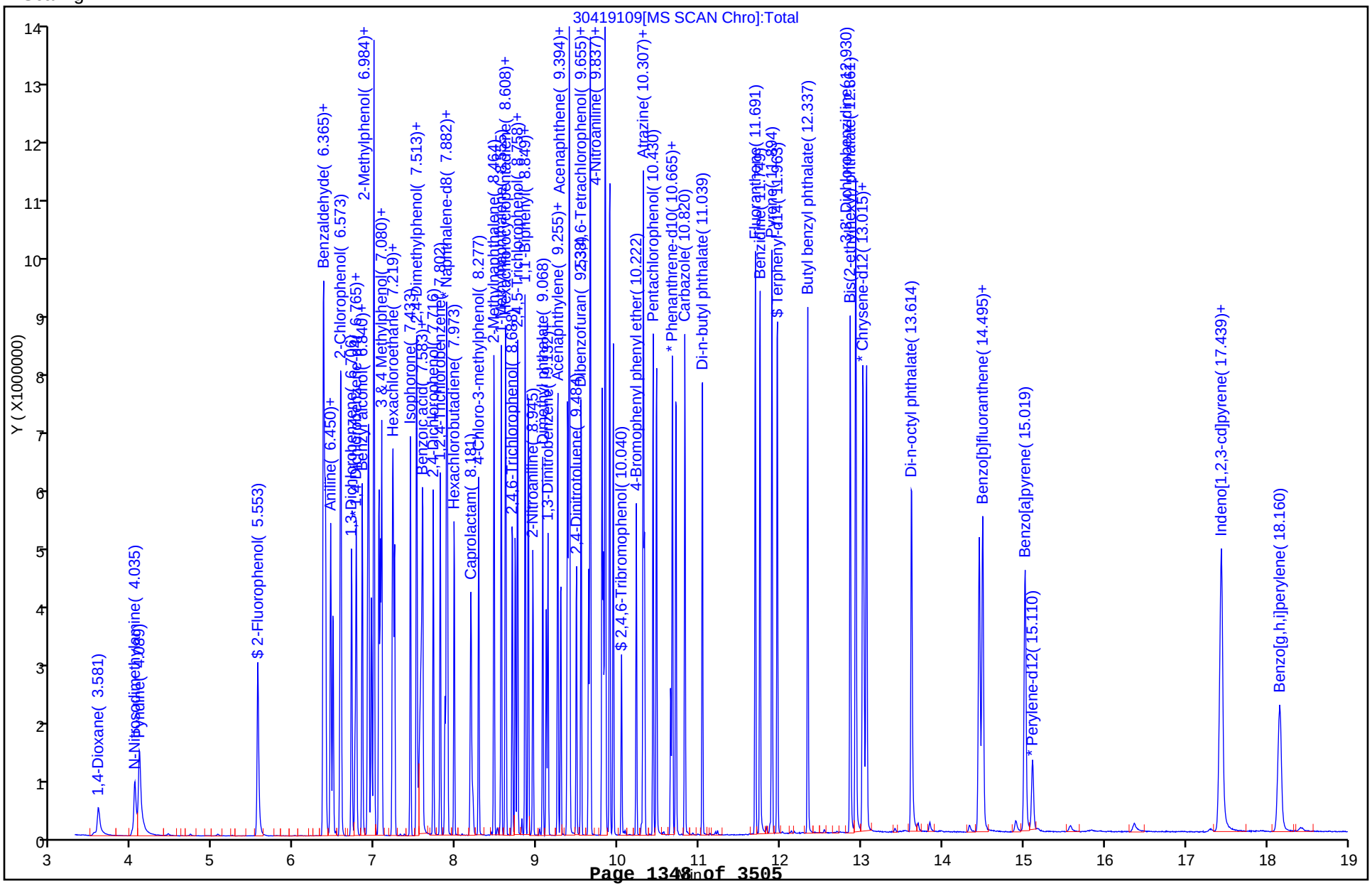
Report Date: 19-Apr-2013 15:20:20 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419109.D

Injection Date:	19-Apr-2013 13:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

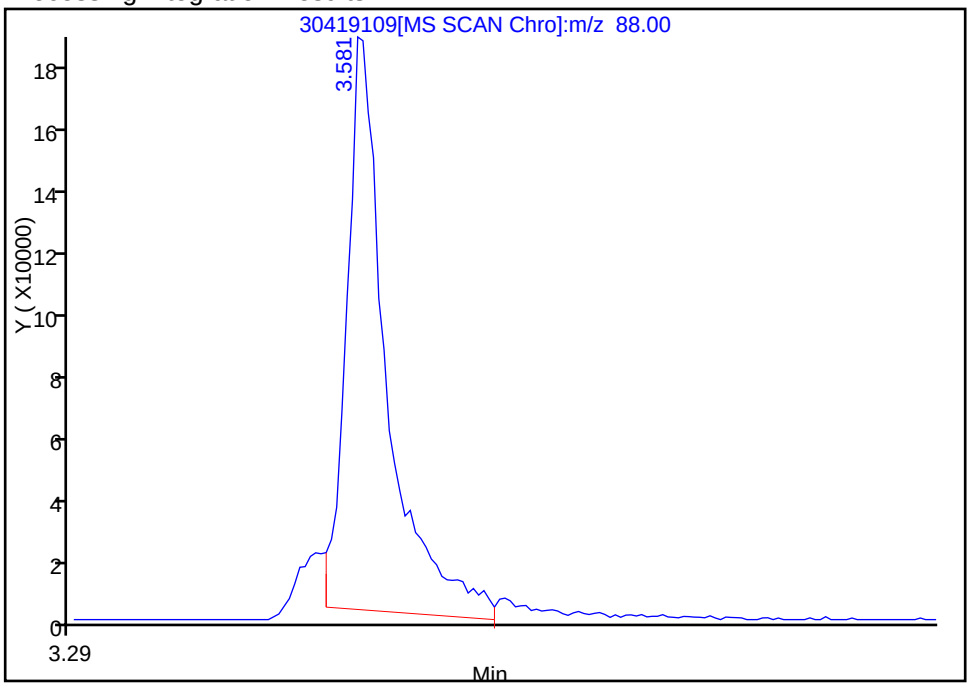
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419109.D		
Injection Date:	19-Apr-2013 13:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 3.58

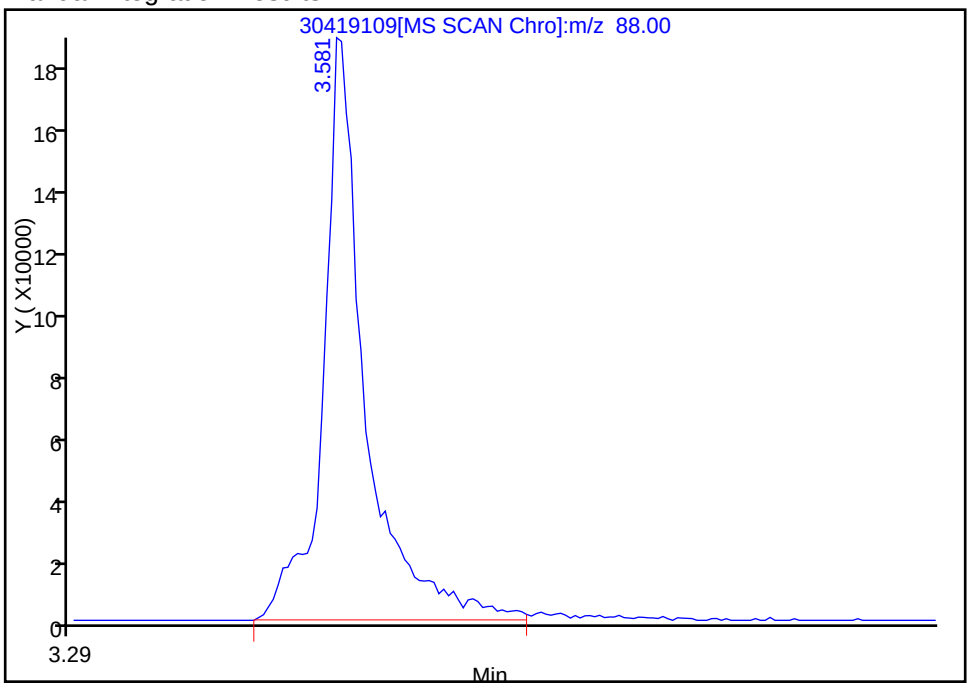
Processing Integration Results

RT: 3.58
Response: 517082
Amount: 12.974042



Manual Integration Results

RT: 3.58
Response: 590252
Amount: 14.623647



Reviewer: ulmanm, 19-Apr-2013 14:11:24
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Lims ID:	std6 lst1	Client ID:	
Inject. Date:	19-Apr-2013 14:12:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	240-0019052-010		
Misc. Info.:	STD6 LST1 =STD6 LST1		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	82668	Lims Sample ID:	10
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\8270 _9.m		
Last Update:	21-Apr-2013 09:47:23	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK037		
First Level Reviewer: ulmanm		Date:	21-Apr-2013 09:47:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.753	6.753	0.0	93	196394	4.00	
* 2 Naphthalene-d8	136	7.859	7.859	0.0	99	818437	4.00	
* 3 Acenaphthene-d10	164	9.371	9.371	0.0	82	475386	4.00	
* 4 Phenanthrene-d10	188	10.647	10.647	0.0	97	664233	4.00	
* 5 Chrysene-d12	240	13.030	13.030	0.0	79	932069	4.00	
* 6 Perylene-d12	264	15.108	15.108	0.0	93	741321	4.00	
$ 7 2-Fluorophenol	112	5.551	5.551	0.0	94	774150	9.70	
$ 8 Phenol-d5	99	6.374	6.374	0.0	90	1021709	9.53	
$ 9 Nitrobenzene-d5	82	7.223	7.223	0.0	85	1152344	9.55	
$ 10 2-Fluorobiphenyl (Surr)	172	8.756	8.756	0.0	99	1334806	9.43	
$ 11 2,4,6-Tribromophenol	330	10.038	10.038	0.0	83	130851	8.52	
$ 12 Terphenyl-d14	244	11.962	11.962	0.0	98	1617452	9.68	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	3.585	3.585	0.0	93	387348	9.67	M
26 N-Nitrosodimethylamine	74	4.034	4.034	0.0	85	659093	9.96	
27 Pyridine	79	4.093	4.093	0.0	93	1061197	9.61	
41 Benzaldehyde	77	6.363	6.363	0.0	86	1654465	19.4	
43 Phenol	94	6.390	6.390	0.0	77	1070027	9.70	
44 Aniline	93	6.449	6.449	0.0	94	1366211	9.59	
69 Bis(2-chloroethyl)ether	93	6.481	6.481	0.0	94	973949	9.86	
46 2-Chlorophenol	128	6.566	6.566	0.0	88	616075	9.72	
47 1,3-Dichlorobenzene	146	6.710	6.710	0.0	83	652448	9.81	
48 1,4-Dichlorobenzene	146	6.769	6.769	0.0	85	663158	9.69	
49 Benzyl alcohol	108	6.838	6.838	0.0	85	493469	9.98	
50 1,2-Dichlorobenzene	146	6.908	6.908	0.0	79	616890	9.71	
51 2-Methylphenol	108	6.919	6.919	0.0	94	689087	9.83	
53 2,2'-oxybis[1-chloropropane]	45	6.951	6.951	0.0	95	891371	9.64	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.983	6.983	0.0	69	2538226	19.5	
21 3 & 4 Methylphenol	108	7.047	7.047	0.0	94	728377	9.99	
57 N-Nitrosodi-n-propylamine	70	7.063	7.063	0.0	72	746600	10.0	
58 Acetophenone	105	7.079	7.079	0.0	82	1138693	9.77	
61 Hexachloroethane	117	7.212	7.212	0.0	82	311292	9.59	
62 Nitrobenzene	77	7.239	7.239	0.0	74	1066428	9.76	
64 Isophorone	82	7.431	7.431	0.0	96	1802001	9.96	
65 2,4-Dimethylphenol	107	7.506	7.506	0.0	95	744112	9.70	
66 2-Nitrophenol	139	7.517	7.517	0.0	84	326117	10.0	
71 Benzoic acid	122	7.560	7.560	0.0	68	772555	19.1	
70 Bis(2-chloroethoxy)methane	93	7.586	7.586	0.0	92	1038549	9.92	
73 2,4-Dichlorophenol	162	7.715	7.715	0.0	91	493259	9.82	
74 1,2,4-Trichlorobenzene	180	7.800	7.800	0.0	83	549471	9.55	
75 Naphthalene	128	7.880	7.880	0.0	99	1915072	9.67	
76 4-Chloroaniline	127	7.891	7.891	0.0	75	1023280	9.83	
79 Hexachlorobutadiene	225	7.976	7.976	0.0	90	331570	9.73	
84 Caprolactam	113	8.174	8.174	0.0	83	432187	19.4	
86 4-Chloro-3-methylphenol	107	8.276	8.276	0.0	86	678910	9.93	
87 2-Methylnaphthalene	142	8.468	8.468	0.0	83	1206220	9.67	
88 1-Methylnaphthalene	142	8.553	8.553	0.0	79	1127236	9.66	
89 Hexachlorocyclopentadiene	237	8.607	8.607	0.0	95	385123	10.1	
91 1,2,4,5-Tetrachlorobenzene	216	8.612	8.612	0.0	93	526923	9.65	
92 2,4,6-Trichlorophenol	196	8.692	8.692	0.0	89	351312	10.2	
93 2,4,5-Trichlorophenol	196	8.730	8.730	0.0	88	355474	10.1	
98 1,1'-Biphenyl	154	8.852	8.852	0.0	96	1519274	9.58	
100 2-Chloronaphthalene	162	8.890	8.890	0.0	98	1124296	9.52	
102 2-Nitroaniline	65	8.943	8.943	0.0	70	548472	10.5	
105 Dimethyl phthalate	163	9.066	9.066	0.0	92	1193184	9.64	
106 1,3-Dinitrobenzene	168	9.109	9.109	0.0	80	208369	10.4	
107 2,6-Dinitrotoluene	165	9.130	9.130	0.0	71	285986	10.0	
109 Acenaphthylene	152	9.253	9.253	0.0	92	1783720	9.76	
110 3-Nitroaniline	138	9.291	9.291	0.0	87	278753	9.09	
111 2,4-Dinitrophenol	184	9.376	9.376	0.0	72	336730	18.9	
113 4-Nitrophenol	109	9.392	9.392	0.0	87	529661	20.9	
112 Acenaphthene	153	9.397	9.397	0.0	93	1142574	9.91	
114 2,4-Dinitrotoluene	165	9.483	9.483	0.0	73	344477	9.49	
116 Dibenzofuran	168	9.542	9.542	0.0	84	1619051	9.74	
119 2,3,4,6-Tetrachlorophenol	232	9.632	9.632	0.0	76	261156	9.50	
121 Diethyl phthalate	149	9.659	9.659	0.0	92	993873	8.62	
123 4-Chlorophenyl phenyl ether	204	9.798	9.798	0.0	95	639607	9.82	
125 4-Nitroaniline	138	9.814	9.814	0.0	71	317127	9.01	
126 Fluorene	166	9.835	9.835	0.0	80	1255075	9.63	
128 4,6-Dinitro-2-methylphenol	198	9.841	9.841	0.0	79	490327	20.8	
131 N-Nitrosodiphenylamine	169	9.894	9.894	0.0	99	1561939	20.0	
132 1,2-Diphenylhydrazine	77	9.937	9.937	0.0	98	2133513	11.1	
133 Azobenzene	77	9.937	9.937	0.0	95	2134224	11.1	
139 4-Bromophenyl phenyl ether	248	10.220	10.220	0.0	72	309660	10.5	
142 Atrazine	200	10.306	10.306	0.0	84	704063	20.6	
141 Hexachlorobenzene	284	10.322	10.322	0.0	85	321362	10.7	
143 Pentachlorophenol	266	10.471	10.471	0.0	78	420206	20.6	
148 Phenanthrene	178	10.669	10.669	0.0	98	1579555	9.64	
149 Anthracene	178	10.712	10.712	0.0	88	1615072	9.96	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.818	10.818	0.0	83	1696404	10.5	
154 Di-n-butyl phthalate	149	11.037	11.037	0.0	100	2148552	10.7	
159 Fluoranthene	202	11.689	11.689	0.0	99	2162136	10.9	
160 Benzidine	184	11.748	11.748	0.0	99	1948580	21.4	
161 Pyrene	202	11.892	11.892	0.0	96	2201819	10.7	
168 Butyl benzyl phthalate	149	12.336	12.336	0.0	89	955943	10.2	
173 Bis(2-ethylhexyl) phthalate	149	12.859	12.859	0.0	93	1295685	10.3	
175 3,3'-Dichlorobenzidine	252	12.929	12.929	0.0	72	1520756	21.4	
177 Benzo[a]anthracene	228	13.019	13.019	0.0	90	2151624	9.77	
178 Chrysene	228	13.062	13.062	0.0	93	2064001	9.73	
180 Di-n-octyl phthalate	149	13.618	13.618	0.0	99	2294885	9.23	
182 Benzo[b]fluoranthene	252	14.451	14.451	0.0	94	1971824	10.3	
183 Benzo[k]fluoranthene	252	14.494	14.494	0.0	90	2163727	9.96	
184 Benzo[a]pyrene	252	15.017	15.017	0.0	75	1910774	10.2	
188 Indeno[1,2,3-cd]pyrene	276	17.432	17.432	0.0	88	1898488	9.96	
189 Dibenz(a,h)anthracene	278	17.437	17.437	0.0	66	1564082	10.1	
190 Benzo[g,h,i]perylene	276	18.153	18.153	0.0	92	1548912	9.84	
S 245 Total Cresols	100				0		19.8	
S 191 Methyl Phenols,Total	100				0		19.8	

QC Flag Legend

Review Flags
M - Manually Integrated

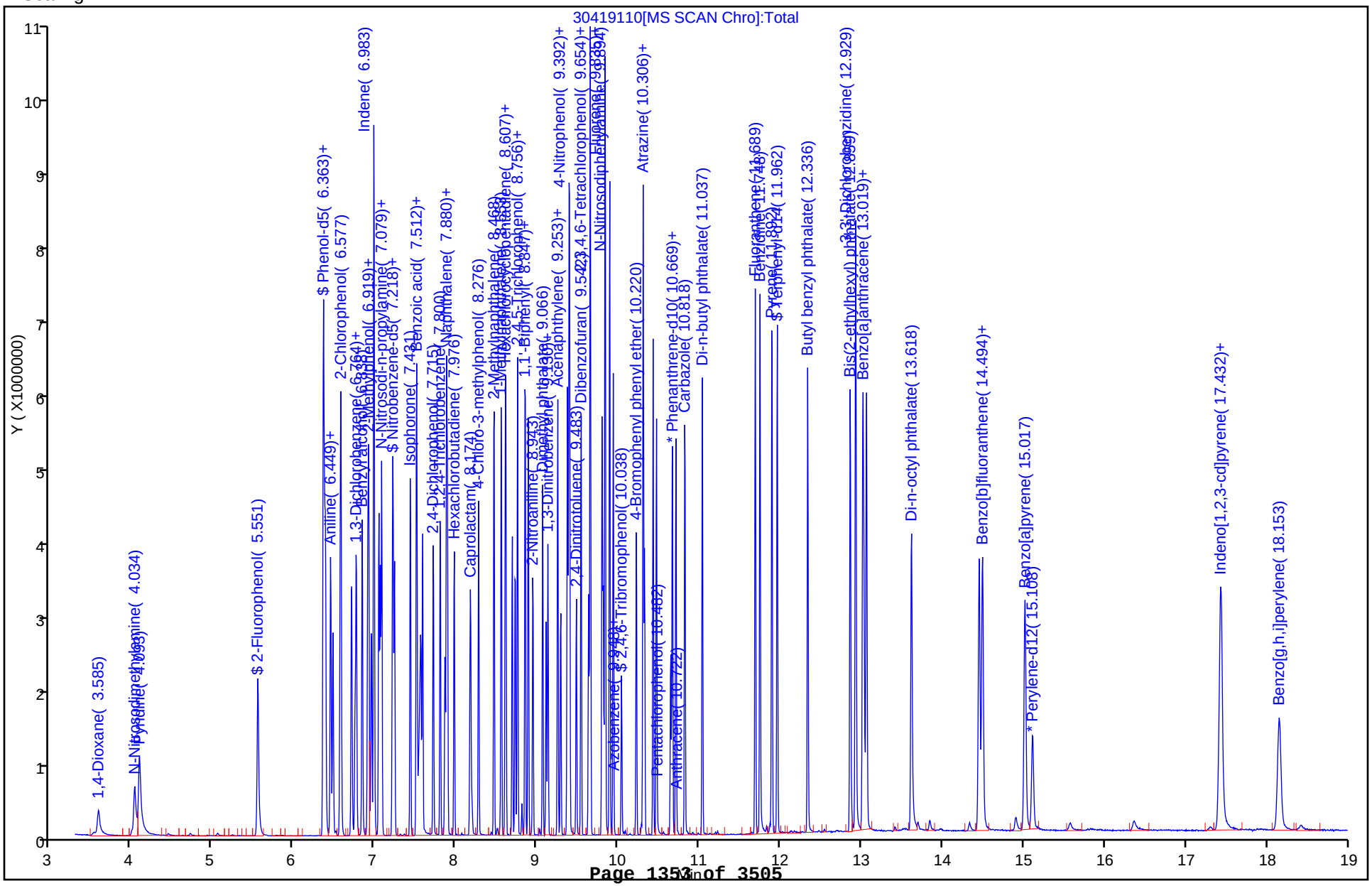
Report Date: 21-Apr-2013 09:47:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D

Injection Date:	19-Apr-2013 14:12:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

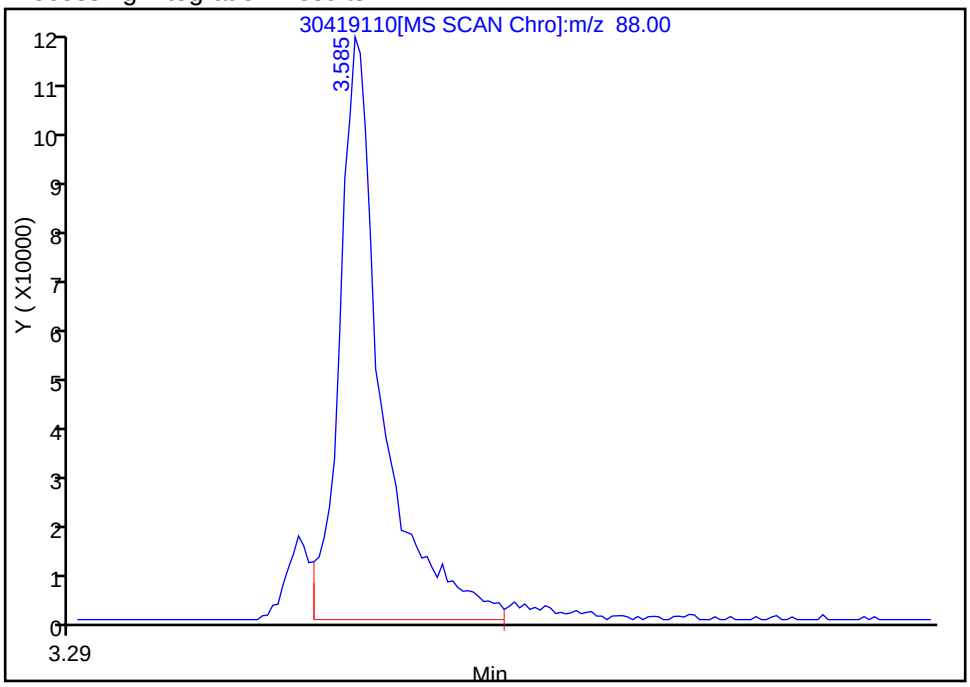
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Injection Date:	19-Apr-2013 14:12:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 3.59

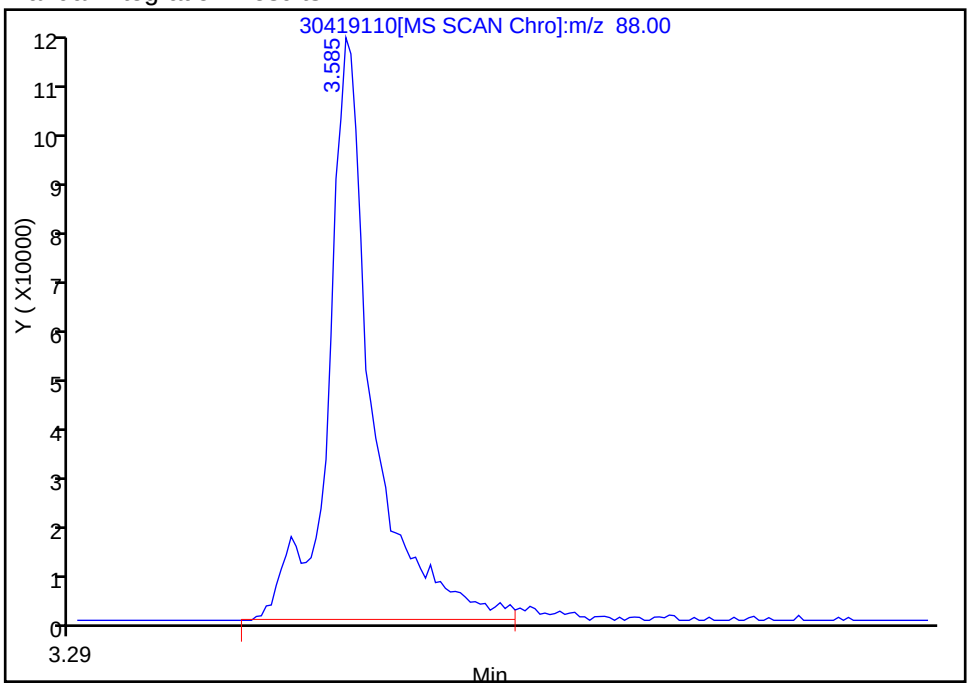
Processing Integration Results

RT: 3.59
Response: 360066
Amount: 9.067987



Manual Integration Results

RT: 3.59
Response: 387348
Amount: 9.671996



Reviewer: ulmanm, 19-Apr-2013 14:42:55
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-82668/11 Calibration Date: 04/19/2013 14:38

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30419111.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8157	0.8006		9.82	10.0	-1.8	
N-Nitrosodimethylamine	Ave	1.347	1.245		9.24	10.0	-7.6	
Pyridine	Ave	2.249	2.139		9.51	10.0	-4.9	
Benzaldehyde	Ave	1.740	1.630		18.7	20.0	-6.3	
Phenol	Ave	2.247	2.136		9.51	10.0	-4.9	
Aniline	Ave	2.901	2.796		9.64	10.0	-3.6	
Bis(2-chloroethyl)ether	Ave	2.012	1.866		9.27	10.0	-7.3	
2-Chlorophenol	Ave	1.291	1.237		9.58	10.0	-4.2	
1,3-Dichlorobenzene	Ave	1.354	1.299		9.59	10.0	-4.1	
1,4-Dichlorobenzene	Ave	1.394	1.326		9.51	10.0	-4.9	
Benzyl alcohol	Ave	1.007	0.9763		9.69	10.0	-3.1	
1,2-Dichlorobenzene	Ave	1.294	1.220		9.43	10.0	-5.7	
2-Methylphenol	Ave	1.428	1.395		9.77	10.0	-2.3	
bis (2-chloroisopropyl) ether	Ave	1.884	1.941		7.42	7.20	3.0	
3 & 4 Methylphenol	Ave	1.486	1.456		9.80	10.0	-2.0	
N-Nitrosodi-n-propylamine	Ave	1.519	1.478		9.73	10.0	-2.7	
Acetophenone	Ave	2.373	2.248		9.47	10.0	-5.3	
Hexachloroethane	Ave	0.6609	0.6329		9.58	10.0	-4.2	
Nitrobenzene	Ave	0.5342	0.5105		9.56	10.0	-4.4	
Isophorone	Ave	0.8841	0.8881		10.0	10.0	0.5	
2,4-Dimethylphenol	Ave	0.3749	0.3532		9.42	10.0	-5.8	
2-Nitrophenol	Ave	0.1587	0.1526		9.62	10.0	-3.8	
Benzoic acid	Lin1		0.1839		18.7	20.0	-6.7	
Bis(2-chloroethoxy)methane	Ave	0.5117	0.4766		9.31	10.0	-6.9	
2,4-Dichlorophenol	Ave	0.2455	0.2294		9.35	10.0	-6.5	
1,2,4-Trichlorobenzene	Ave	0.2812	0.2596		9.23	10.0	-7.7	
Naphthalene	Ave	0.9675	0.8857		9.15	10.0	-8.5	
4-Chloroaniline	Ave	0.5086	0.4651		9.14	10.0	-8.6	
Hexachlorobutadiene	Ave	0.1665	0.1572		9.44	10.0	-5.6	
Caprolactam	Ave	0.1089	0.1032		18.9	20.0	-5.3	
4-Chloro-3-methylphenol	Ave	0.3343	0.3117		9.32	10.0	-6.8	
2-Methylnaphthalene	Ave	0.6099	0.5597		9.18	10.0	-8.2	
1-Methylnaphthalene	Ave	0.5701	0.5209		9.14	10.0	-8.6	
Hexachlorocyclopentadiene	Ave	0.3194	0.3251		10.2	10.0	1.8	
1,2,4,5-Tetrachlorobenzene	Ave	0.4596	0.4307		9.37	10.0	-6.3	
2,4,6-Trichlorophenol	Ave	0.2912	0.2927		10.1	10.0	0.5	
2,4,5-Trichlorophenol	Ave	0.2972	0.3010		10.1	10.0	1.3	
1,1'-Biphenyl	Ave	1.334	1.241		9.31	10.0	-6.9	
2-Chloronaphthalene	Ave	0.9937	0.9282		9.34	10.0	-6.6	
2-Nitroaniline	Ave	0.4379	0.4586		10.5	10.0	4.7	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-82668/11 Calibration Date: 04/19/2013 14:38

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30419111.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.041	0.9939		9.54	10.0	-4.6	
2,6-Dinitrotoluene	Ave	0.2401	0.2362		9.84	10.0	-1.6	
Acenaphthylene	Ave	1.537	1.485		9.66	10.0	-3.4	
3-Nitroaniline	Ave	0.2581	0.2271		8.80	10.0	-12.0	
2,4-Dinitrophenol	Qua		0.1385		18.5	20.0	-7.4	
4-Nitrophenol	Ave	0.2135	0.2182		20.4	20.0	2.2	
Acenaphthene	Ave	0.9699	0.9508		9.80	10.0	-2.0	
2,4-Dinitrotoluene	Ave	0.3054	0.2856		9.35	10.0	-6.5	
Dibenzofuran	Ave	1.399	1.325		9.47	10.0	-5.3	
2,3,4,6-Tetrachlorophenol	Ave	0.2312	0.2244		9.71	10.0	-2.9	
Diethyl phthalate	Ave	0.9697	0.8350		8.61	10.0	-13.9	
4-Chlorophenyl phenyl ether	Ave	0.5480	0.5281		9.64	10.0	-3.6	
4-Nitroaniline	Lin		0.2605		8.82	10.0	-11.8	
Fluorene	Ave	1.097	1.067		9.73	10.0	-2.7	
4,6-Dinitro-2-methylphenol	Lin1		0.1460		20.5	20.0	2.7	
N-Nitrosodiphenylamine	Ave	0.4711	0.4558		19.3	20.0	-3.3	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162	1.281		11.0	10.0	10.3	
Azobenzene	Ave	1.162	1.281		11.0	10.0	10.2	
4-Bromophenyl phenyl ether	Ave	0.1776	0.1811		10.2	10.0	2.0	
Atrazine	Qua		0.2037		19.7	20.0	-1.3	
Hexachlorobenzene	Ave	0.1811	0.1910		10.5	10.0	5.5	
Pentachlorophenol	Lin1		0.1281		20.9	20.0	4.3	
Phenanthrene	Ave	0.9870	0.9193		9.31	10.0	-6.9	
Anthracene	Ave	0.9760	0.9574		9.81	10.0	-1.9	
Carbazole	Lin1		0.9648		9.92	10.0	-0.8	
Di-n-butyl phthalate	Lin1		1.255		10.4	10.0	3.8	
Fluoranthene	Lin		1.250		10.4	10.0	4.5	
Benzidine	Ave	0.3909	0.4285		21.9	20.0	9.6	
Pyrene	Ave	0.8829	0.9536		10.8	10.0	8.0	
Butyl benzyl phthalate	Ave	0.4024	0.4109		10.2	10.0	2.1	
Bis(2-ethylhexyl) phthalate	Ave	0.5389	0.5522		10.2	10.0	2.5	
3,3'-Dichlorobenzidine	Ave	0.3046	0.3211		21.1	20.0	5.4	
Benzo[a]anthracene	Ave	0.9456	0.9148		9.67	10.0	-3.3	
Chrysene	Ave	0.9101	0.9128		10.0	10.0	0.3	
Di-n-octyl phthalate	Lin1		1.184		8.84	10.0	-11.6	
Benzo[b]fluoranthene	Ave	1.034	0.9806		9.48	10.0	-5.2	
Benzo[k]fluoranthene	Ave	1.172	1.129		9.63	10.0	-3.7	
Benzo[a]pyrene	Ave	1.013	0.9451		9.33	10.0	-6.7	
Indeno[1,2,3-cd]pyrene	Ave	1.028	0.9311		9.06	10.0	-9.4	
Dibenz(a,h)anthracene	Ave	0.8370	0.8070		9.64	10.0	-3.6	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-82668/11 Calibration Date: 04/19/2013 14:38

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30419111.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.8490	0.7763		9.14	10.0	-8.6	
2-Fluorophenol (Surr)	Ave	1.625	1.665		10.2	10.0	2.4	
Phenol-d5 (Surr)	Ave	2.183	2.276		10.4	10.0	4.3	
Nitrobenzene-d5 (Surr)	Ave	0.5898	0.6009		10.2	10.0	1.9	
2-Fluorobiphenyl (Surr)	Ave	1.191	1.201		10.1	10.0	0.9	
2,4,6-Tribromophenol (Surr)	Ave	0.1293	0.1275		9.86	10.0	-1.4	
Terphenyl-d14 (Surr)	Ave	0.7168	0.7545		10.5	10.0	5.2	

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419111.D
Lims ID: icv tcl Client ID:
Inject. Date: 19-Apr-2013 14:38:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0019052-011
Misc. Info.: ICV TCL =ICV TCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 82668 Lims Sample ID: 11
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\8270 _9.m
Last Update: 19-Apr-2013 15:21:00 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK006

First Level Reviewer: ulmanm Date: 19-Apr-2013 15:21:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.750	6.753	-0.003	94	184345	4.00	
* 2 Naphthalene-d8	136	7.862	7.859	0.003	99	782369	4.00	
* 3 Acenaphthene-d10	164	9.368	9.371	-0.003	82	449358	4.00	
* 4 Phenanthrene-d10	188	10.645	10.647	-0.002	97	632105	4.00	
* 5 Chrysene-d12	240	13.033	13.030	0.003	79	876638	4.00	
* 6 Perylene-d12	264	15.111	15.108	0.003	94	726232	4.00	
$ 7 2-Fluorophenol	112	5.554	5.551	0.003	94	767224	10.2	
$ 8 Phenol-d5	99	6.376	6.374	0.002	94	1049120	10.4	
$ 9 Nitrobenzene-d5	82	7.220	7.223	-0.003	84	1175209	10.2	
$ 10 2-Fluorobiphenyl (Surr)	172	8.754	8.756	-0.002	99	1349265	10.1	
$ 11 2,4,6-Tribromophenol	330	10.041	10.038	0.003	90	143208	9.86	
$ 12 Terphenyl-d14	244	11.959	11.962	-0.003	97	1653446	10.5	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	3.588	3.585	0.003	92	368967	9.82	M
26 N-Nitrosodimethylamine	74	4.037	4.034	0.003	84	573838	9.24	
27 Pyridine	79	4.090	4.093	-0.003	92	985707	9.51	
41 Benzaldehyde	77	6.360	6.363	-0.003	88	1502550	18.7	
43 Phenol	94	6.387	6.390	-0.003	87	984377	9.51	
44 Aniline	93	6.451	6.449	0.002	97	1288437	9.64	
69 Bis(2-chloroethyl)ether	93	6.478	6.481	-0.003	95	860005	9.27	
46 2-Chlorophenol	128	6.569	6.566	0.003	89	570007	9.58	
47 1,3-Dichlorobenzene	146	6.708	6.710	-0.002	81	598525	9.59	
48 1,4-Dichlorobenzene	146	6.766	6.769	-0.003	82	610951	9.51	
49 Benzyl alcohol	108	6.841	6.838	0.003	83	449944	9.69	
50 1,2-Dichlorobenzene	146	6.911	6.908	0.003	83	562330	9.43	
51 2-Methylphenol	108	6.921	6.919	0.002	95	642905	9.77	
53 2,2'-oxybis[1-chloropropane]	45	6.953	6.951	0.002	93	644039	7.42	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.985	6.983	0.002	68	2309869	18.9	
21 3 & 4 Methylphenol	108	7.044	7.047	-0.003	93	670872	9.80	
57 N-Nitrosodi-n-propylamine	70	7.066	7.063	0.003	71	680924	9.73	
58 Acetophenone	105	7.082	7.079	0.003	76	1036022	9.47	
61 Hexachloroethane	117	7.215	7.212	0.003	82	291679	9.58	
62 Nitrobenzene	77	7.237	7.239	-0.003	74	998407	9.56	
64 Isophorone	82	7.434	7.431	0.003	95	1737106	10.0	
65 2,4-Dimethylphenol	107	7.509	7.506	0.003	94	690855	9.42	
66 2-Nitrophenol	139	7.514	7.517	-0.003	78	298541	9.62	
71 Benzoic acid	122	7.562	7.560	0.002	62	719182	18.7	M
70 Bis(2-chloroethoxy)methane	93	7.584	7.586	-0.002	94	932137	9.31	
73 2,4-Dichlorophenol	162	7.717	7.715	0.002	93	448731	9.35	
74 1,2,4-Trichlorobenzene	180	7.803	7.800	0.003	86	507798	9.23	
75 Naphthalene	128	7.878	7.880	-0.002	99	1732304	9.15	
76 4-Chloroaniline	127	7.894	7.891	0.003	76	909700	9.14	
79 Hexachlorobutadiene	225	7.974	7.976	-0.002	90	307551	9.44	
84 Caprolactam	113	8.177	8.174	0.003	81	403592	18.9	
86 4-Chloro-3-methylphenol	107	8.273	8.276	-0.003	82	609588	9.32	
87 2-Methylnaphthalene	142	8.465	8.468	-0.003	86	1094739	9.18	
88 1-Methylnaphthalene	142	8.556	8.553	0.003	80	1018823	9.14	
89 Hexachlorocyclopentadiene	237	8.604	8.607	-0.003	96	365197	10.2	
91 1,2,4,5-Tetrachlorobenzene	216	8.615	8.612	0.003	96	483804	9.37	
92 2,4,6-Trichlorophenol	196	8.690	8.692	-0.002	86	328815	10.1	
93 2,4,5-Trichlorophenol	196	8.727	8.730	-0.003	87	338137	10.1	
98 1,1'-Biphenyl	154	8.850	8.852	-0.002	96	1394461	9.31	
100 2-Chloronaphthalene	162	8.887	8.890	-0.003	98	1042762	9.34	
102 2-Nitroaniline	65	8.946	8.943	0.003	70	515135	10.5	
105 Dimethyl phthalate	163	9.064	9.066	-0.002	94	1116501	9.54	
106 1,3-Dinitrobenzene	168	9.112	9.109	0.003	81	183507	9.65	
107 2,6-Dinitrotoluene	165	9.133	9.130	0.003	61	265312	9.84	
109 Acenaphthylene	152	9.251	9.253	-0.003	86	1668026	9.66	
110 3-Nitroaniline	138	9.288	9.291	-0.003	83	255142	8.80	
111 2,4-Dinitrophenol	184	9.373	9.376	-0.003	70	311188	18.5	
113 4-Nitrophenol	109	9.389	9.392	-0.003	87	490332	20.4	
112 Acenaphthene	153	9.395	9.397	-0.002	93	1068173	9.80	
114 2,4-Dinitrotoluene	165	9.480	9.483	-0.003	74	320844	9.35	
116 Dibenzofuran	168	9.539	9.542	-0.003	83	1488729	9.47	
119 2,3,4,6-Tetrachlorophenol	232	9.635	9.632	0.003	72	252130	9.71	
121 Diethyl phthalate	149	9.656	9.659	-0.003	92	938078	8.61	
123 4-Chlorophenyl phenyl ether	204	9.801	9.798	0.003	94	593310	9.64	
125 4-Nitroaniline	138	9.811	9.814	-0.003	77	292680	8.82	
126 Fluorene	166	9.833	9.835	-0.002	80	1198499	9.73	
128 4,6-Dinitro-2-methylphenol	198	9.838	9.841	-0.003	73	461465	20.5	
131 N-Nitrosodiphenylamine	169	9.892	9.894	-0.002	99	1440470	19.3	
132 1,2-Diphenylhydrazine	77	9.934	9.937	-0.003	99	2024158	11.0	
133 Azobenzene	77	9.934	9.937	-0.003	95	2024045	11.0	
139 4-Bromophenyl phenyl ether	248	10.223	10.220	0.003	70	286152	10.2	
142 Atrazine	200	10.308	10.306	0.002	87	643685	19.7	
141 Hexachlorobenzene	284	10.324	10.322	0.002	78	301803	10.5	
143 Pentachlorophenol	266	10.469	10.471	-0.003	82	404968	20.9	
148 Phenanthrene	178	10.666	10.669	-0.003	98	1452699	9.31	
149 Anthracene	178	10.709	10.712	-0.003	88	1512998	9.81	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.821	10.818	0.003	83	1524636	9.92	
154 Di-n-butyl phthalate	149	11.035	11.037	-0.002	100	1982947	10.4	
159 Fluoranthene	202	11.687	11.689	-0.003	99	1975955	10.4	
160 Benzidine	184	11.745	11.748	-0.003	99	1878205	21.9	
161 Pyrene	202	11.895	11.892	0.003	96	2089985	10.8	
168 Butyl benzyl phthalate	149	12.338	12.336	0.002	89	900447	10.2	
173 Bis(2-ethylhexyl) phthalate	149	12.862	12.859	0.003	94	1210296	10.2	
175 3,3'-Dichlorobenzidine	252	12.926	12.929	-0.003	64	1407279	21.1	
177 Benzo[a]anthracene	228	13.017	13.019	-0.002	89	2004933	9.67	
178 Chrysene	228	13.059	13.062	-0.003	93	2000533	10.0	
180 Di-n-octyl phthalate	149	13.615	13.618	-0.003	99	2150175	8.84	
182 Benzo[b]fluoranthene	252	14.448	14.451	-0.003	86	1780284	9.48	
183 Benzo[k]fluoranthene	252	14.491	14.494	-0.003	86	2048879	9.63	
184 Benzo[a]pyrene	252	15.015	15.017	-0.002	76	1715979	9.33	
188 Indeno[1,2,3-cd]pyrene	276	17.429	17.432	-0.003	91	1690550	9.06	
189 Dibenz(a,h)anthracene	278	17.435	17.437	-0.002	64	1465209	9.64	
190 Benzo[g,h,i]perylene	276	18.150	18.153	-0.003	92	1409450	9.14	

QC Flag Legend

Review Flags
M - Manually Integrated

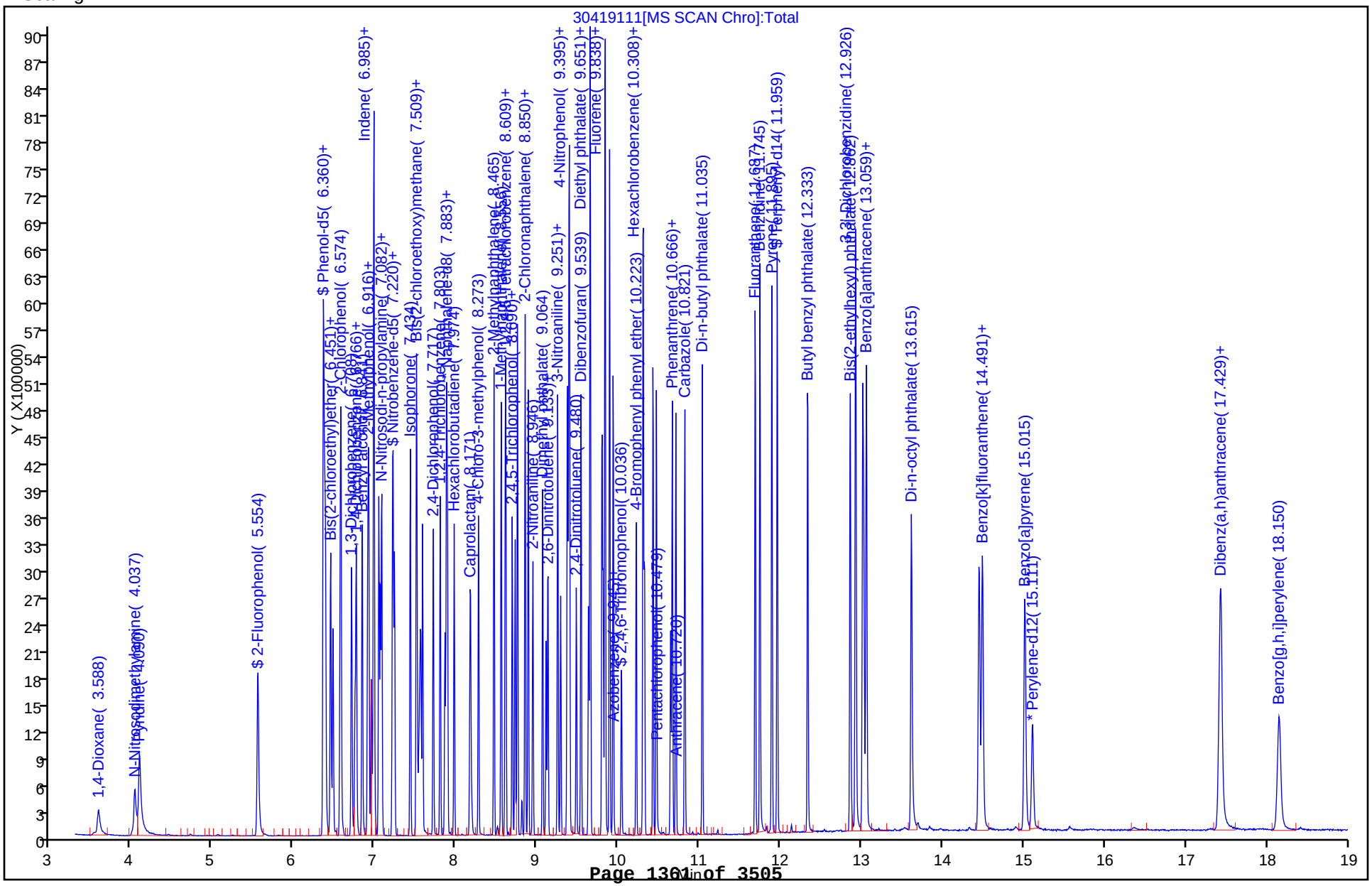
Report Date: 19-Apr-2013 15:21:03 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419111.D

Injection Date:	19-Apr-2013 14:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

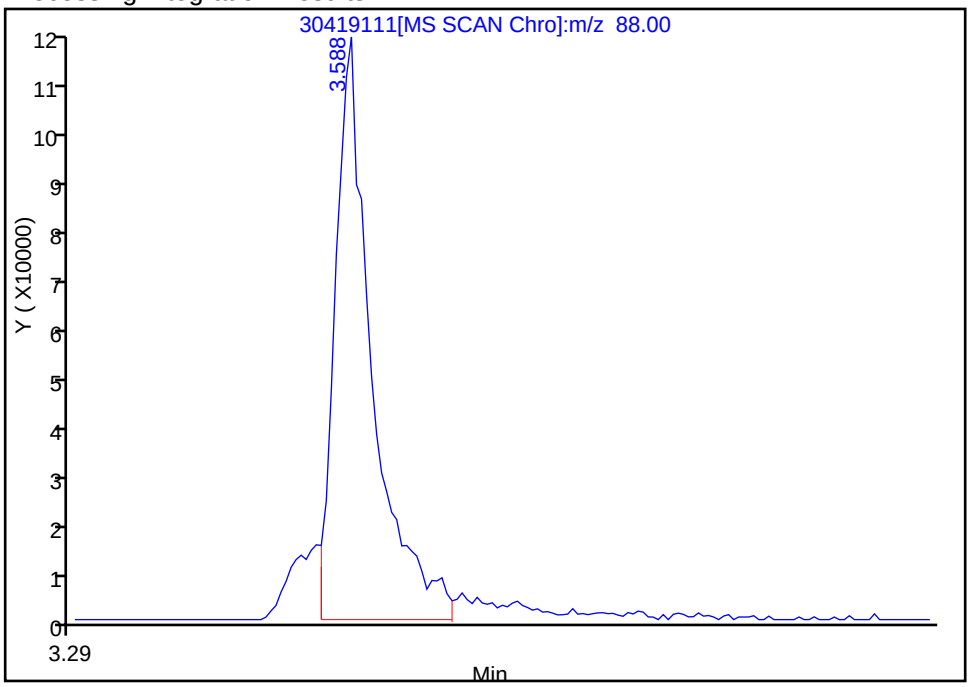
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419111.D		
Injection Date:	19-Apr-2013 14:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 3.59

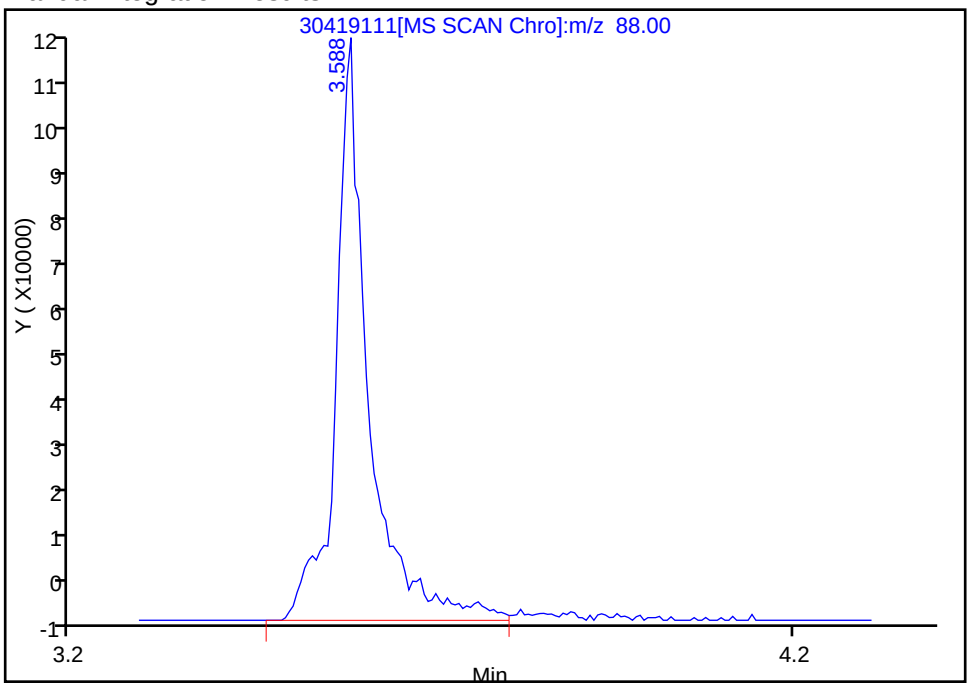
Processing Integration Results

RT: 3.59
Response: 319182
Amount: 8.490828



Manual Integration Results

RT: 3.59
Response: 368967
Amount: 9.815200



Reviewer: ulmanm, 19-Apr-2013 15:05:44
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

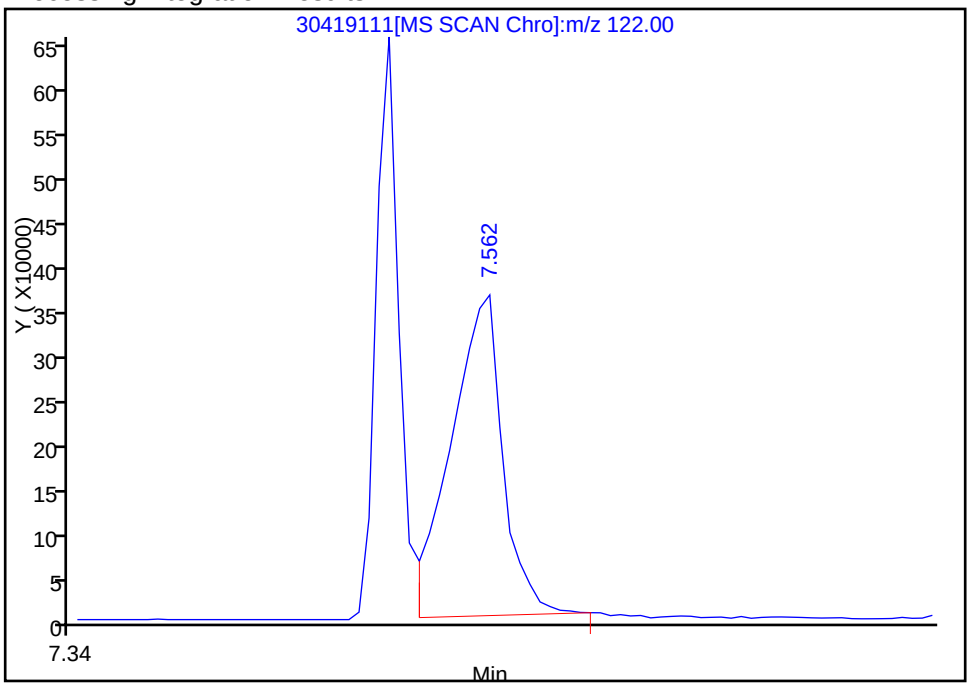
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419111.D		
Injection Date:	19-Apr-2013 14:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 7.56

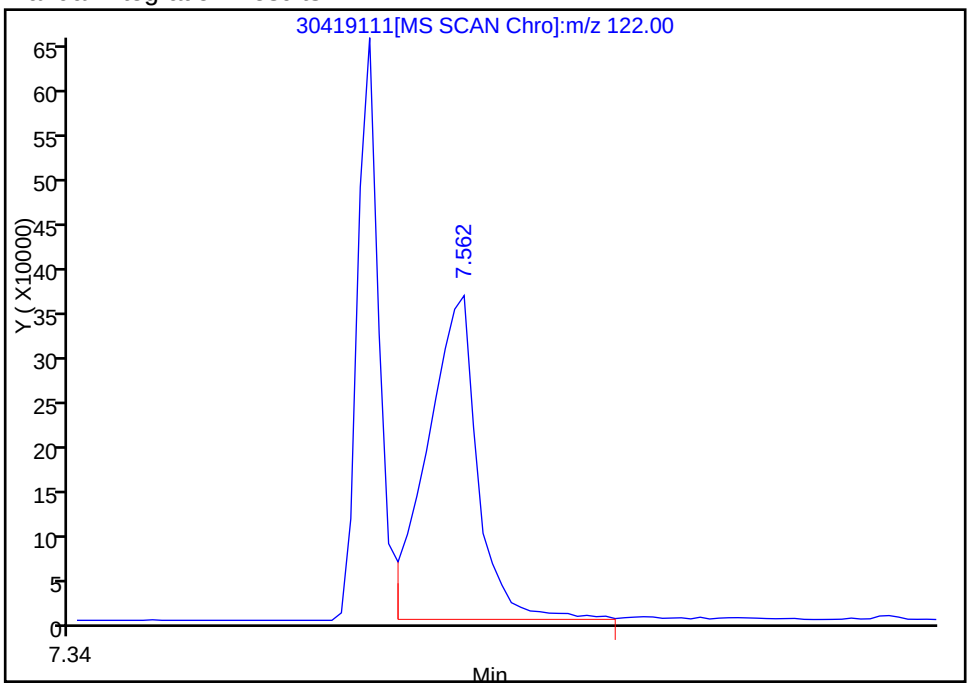
Processing Integration Results

RT: 7.56
Response: 689467
Amount: 17.947821



Manual Integration Results

RT: 7.56
Response: 719182
Amount: 18.659701



Reviewer: ulmanm, 19-Apr-2013 15:05:44
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82876/2 Calibration Date: 04/21/2013 11:16

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8157	0.8063		9.89	10.0	-1.1	
N-Nitrosodimethylamine	Ave	1.347	1.391		10.3	10.0	3.2	
Pyridine	Ave	2.249	2.240		9.96	10.0	-0.4	
Benzaldehyde	Ave	1.740	1.740		20.0	20.0	0.0	
Phenol	Ave	2.247	2.258		10.0	10.0	0.5	
Aniline	Ave	2.901	2.922		10.1	10.0	0.7	
Bis(2-chloroethyl)ether	Ave	2.012	2.094		10.4	10.0	4.1	
2-Chlorophenol	Ave	1.291	1.341		10.4	10.0	3.9	
1,3-Dichlorobenzene	Ave	1.354	1.386		10.2	10.0	2.4	
1,4-Dichlorobenzene	Ave	1.394	1.398		10.0	10.0	0.3	
Benzyl alcohol	Ave	1.007	1.042		10.3	10.0	3.5	
1,2-Dichlorobenzene	Ave	1.294	1.314		10.2	10.0	1.5	
2-Methylphenol	Ave	1.428	1.463		10.2	10.0	2.5	
bis (2-chloroisopropyl) ether	Ave	1.884	1.899		10.1	10.0	0.8	
3 & 4 Methylphenol	Ave	1.486	1.540		10.4	10.0	3.7	
N-Nitrosodi-n-propylamine	Ave	1.519	1.627		10.7	10.0	7.1	
Acetophenone	Ave	2.373	2.425		10.2	10.0	2.2	
Hexachloroethane	Ave	0.6609	0.6739		10.2	10.0	2.0	
Nitrobenzene	Ave	0.5342	0.5433		10.2	10.0	1.7	
Isophorone	Ave	0.8841	0.9081		10.3	10.0	2.7	
2,4-Dimethylphenol	Ave	0.3749	0.3710		9.90	10.0	-1.0	
2-Nitrophenol	Ave	0.1587	0.1638		10.3	10.0	3.2	
Benzoic acid	Lin1		0.1872		19.0	20.0	-5.1	
Bis(2-chloroethoxy)methane	Ave	0.5117	0.5333		10.4	10.0	4.2	
2,4-Dichlorophenol	Ave	0.2455	0.2544		10.4	10.0	3.6	
1,2,4-Trichlorobenzene	Ave	0.2812	0.2756		9.80	10.0	-2.0	
Naphthalene	Ave	0.9675	0.9403		9.72	10.0	-2.8	
4-Chloroaniline	Ave	0.5086	0.5193		10.2	10.0	2.1	
Hexachlorobutadiene	Ave	0.1665	0.1707		10.3	10.0	2.5	
Caprolactam	Ave	0.1089	0.1084		19.9	20.0	-0.5	
4-Chloro-3-methylphenol	Ave	0.3343	0.3447		10.3	10.0	3.1	
2-Methylnaphthalene	Ave	0.6099	0.6132		10.1	10.0	0.5	
1-Methylnaphthalene	Ave	0.5701	0.5657		9.92	10.0	-0.8	
Hexachlorocyclopentadiene	Ave	0.3194	0.3364		10.5	10.0	5.3	
1,2,4,5-Tetrachlorobenzene	Ave	0.4596	0.4521		9.84	10.0	-1.6	
2,4,6-Trichlorophenol	Ave	0.2912	0.3011		10.3	10.0	3.4	
2,4,5-Trichlorophenol	Ave	0.2972	0.3073		10.3	10.0	3.4	
1,1'-Biphenyl	Ave	1.334	1.291		9.68	10.0	-3.2	
2-Chloronaphthalene	Ave	0.9937	0.9515		9.58	10.0	-4.2	
2-Nitroaniline	Ave	0.4379	0.4662		10.6	10.0	6.5	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82876/2 Calibration Date: 04/21/2013 11:16

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.041	1.038		9.97	10.0	-0.3	
2,6-Dinitrotoluene	Ave	0.2401	0.2500		10.4	10.0	4.1	
Acenaphthylene	Ave	1.537	1.529		9.95	10.0	-0.5	
3-Nitroaniline	Ave	0.2581	0.2377		9.21	10.0	-7.9	
2,4-Dinitrophenol	Qua		0.1467		19.4	20.0	-2.8	
4-Nitrophenol	Ave	0.2135	0.2171		20.3	20.0	1.7	
Acenaphthene	Ave	0.9699	0.9530		9.83	10.0	-1.7	
2,4-Dinitrotoluene	Ave	0.3054	0.3006		9.84	10.0	-1.6	
Dibenzofuran	Ave	1.399	1.371		9.80	10.0	-2.0	
2,3,4,6-Tetrachlorophenol	Ave	0.2312	0.2338		10.1	10.0	1.1	
Diethyl phthalate	Ave	0.9697	0.8674		8.94	10.0	-10.6	
4-Chlorophenyl phenyl ether	Ave	0.5480	0.5484		10.0	10.0	0.0	
4-Nitroaniline	Lin		0.2779		9.36	10.0	-6.4	
Fluorene	Ave	1.097	1.083		9.87	10.0	-1.3	
4,6-Dinitro-2-methylphenol	Lin1		0.1434		20.2	20.0	0.9	
N-Nitrosodiphenylamine	Ave	0.4711	0.4638		19.7	20.0	-1.5	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162	1.278		11.0	10.0	10.0	
Azobenzene	Ave	1.162	1.279		11.0	10.0	10.1	
4-Bromophenyl phenyl ether	Ave	0.1776	0.1849		10.4	10.0	4.1	
Atrazine	Qua		0.2081		20.2	20.0	1.0	
Hexachlorobenzene	Ave	0.1811	0.1947		10.8	10.0	7.5	
Pentachlorophenol	Lin1		0.1234		20.1	20.0	0.6	
Phenanthrene	Ave	0.9870	0.9425		9.55	10.0	-4.5	
Anthracene	Ave	0.9760	0.9805		10.0	10.0	0.5	
Carbazole	Lin1		1.004		10.3	10.0	3.2	
Di-n-butyl phthalate	Lin1		1.287		10.6	10.0	6.4	
Fluoranthene	Lin		1.281		10.7	10.0	7.1	
Benzidine	Ave	0.3909	0.3974		20.3	20.0	1.7	
Pyrene	Ave	0.8829	0.9820		11.1	10.0	11.2	
Butyl benzyl phthalate	Ave	0.4024	0.4283		10.6	10.0	6.4	
Bis(2-ethylhexyl) phthalate	Ave	0.5389	0.5918		11.0	10.0	9.8	
3,3'-Dichlorobenzidine	Ave	0.3046	0.3324		21.8	20.0	9.1	
Benzo[a]anthracene	Ave	0.9456	0.9433		9.98	10.0	-0.2	
Chrysene	Ave	0.9101	0.9130		10.0	10.0	0.3	
Di-n-octyl phthalate	Lin1		1.296		9.65	10.0	-3.5	
Benzo[b]fluoranthene	Ave	1.034	1.091		10.6	10.0	5.6	
Benzo[k]fluoranthene	Ave	1.172	1.170		9.98	10.0	-0.2	
Benzo[a]pyrene	Ave	1.013	1.034		10.2	10.0	2.0	
Dibenz(a,h)anthracene	Ave	0.8370	0.8694		10.4	10.0	3.9	
Indeno[1,2,3-cd]pyrene	Ave	1.028	1.034		10.1	10.0	0.6	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82876/2 Calibration Date: 04/21/2013 11:16

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.8490	0.8423		9.92	10.0	-0.8	
2-Fluorophenol (Surr)	Ave	1.625	1.629		10.0	10.0	0.3	
Phenol-d5 (Surr)	Ave	2.183	2.198		10.1	10.0	0.7	
Nitrobenzene-d5 (Surr)	Ave	0.5898	0.5844		9.91	10.0	-0.9	
2-Fluorobiphenyl (Surr)	Ave	1.191	1.125		9.45	10.0	-5.5	
2,4,6-Tribromophenol (Surr)	Ave	0.1293	0.1212		9.37	10.0	-6.3	
Terphenyl-d14 (Surr)	Ave	0.7168	0.7234		10.1	10.0	0.9	

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421002.D		
Lims ID:	ccv tcl	Client ID:	
Inject. Date:	21-Apr-2013 11:16:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0019112-002		
Misc. Info.:	CCV TCL =CCV TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	82876	Lims Sample ID:	2
Sublist:	chrom-8270 _9*sub23		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m		
Last Update:	22-Apr-2013 08:55:38	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK030		
First Level Reviewer: ulmanm		Date:	21-Apr-2013 12:01:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.734	6.734	0.0	92	181292	4.00	
* 2 Naphthalene-d8	136	7.845	7.845	0.0	99	774302	4.00	
* 3 Acenaphthene-d10	164	9.352	9.352	0.0	82	466264	4.00	
* 4 Phenanthrene-d10	188	10.623	10.623	0.0	96	679330	4.00	
* 5 Chrysene-d12	240	13.001	13.001	0.0	81	905979	4.00	
* 6 Perylene-d12	264	15.057	15.057	0.0	97	729804	4.00	
$ 7 2-Fluorophenol	112	5.532	5.532	0.0	94	738504	10.0	
$ 8 Phenol-d5	99	6.360	6.360	0.0	88	996042	10.1	
$ 9 Nitrobenzene-d5	82	7.204	7.204	0.0	85	1131326	9.91	
$ 10 2-Fluorobiphenyl (Surr)	172	8.738	8.738	0.0	98	1311943	9.45	
$ 11 2,4,6-Tribromophenol	330	10.020	10.020	0.0	82	141251	9.37	
$ 12 Terphenyl-d14	244	11.937	11.937	0.0	98	1638471	10.1	
244 n-Octadecane	57		0.000					
247 Hexadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	3.524	3.524	0.0	92	365437	9.89	
26 N-Nitrosodimethylamine	74	3.983	3.983	0.0	81	630297	10.3	
27 Pyridine	79	4.047	4.047	0.0	92	1015033	9.96	
41 Benzaldehyde	77	6.339	6.339	0.0	84	1577505	20.0	
43 Phenol	94	6.371	6.371	0.0	78	1023321	10.0	
44 Aniline	93	6.430	6.430	0.0	95	1324134	10.1	
69 Bis(2-chloroethyl)ether	93	6.462	6.462	0.0	95	949245	10.4	
46 2-Chlorophenol	128	6.553	6.553	0.0	90	607935	10.4	
47 1,3-Dichlorobenzene	146	6.691	6.691	0.0	88	628077	10.2	
48 1,4-Dichlorobenzene	146	6.750	6.750	0.0	85	633389	10.0	
49 Benzyl alcohol	108	6.825	6.825	0.0	84	472471	10.3	
50 1,2-Dichlorobenzene	146	6.889	6.889	0.0	85	595518	10.2	
51 2-Methylphenol	108	6.905	6.905	0.0	94	663101	10.2	
53 2,2'-oxybis[1-chloropropane]	45	6.937	6.937	0.0	96	860766	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.964	6.964	0.0	70	2437477	20.3	
21 3 & 4 Methylphenol	108	7.028	7.028	0.0	95	698053	10.4	
57 N-Nitrosodi-n-propylamine	70	7.044	7.044	0.0	72	737550	10.7	
58 Acetophenone	105	7.060	7.060	0.0	77	1099115	10.2	
61 Hexachloroethane	117	7.194	7.194	0.0	88	305425	10.2	
62 Nitrobenzene	77	7.220	7.220	0.0	74	1051623	10.2	
64 Isophorone	82	7.418	7.418	0.0	96	1757758	10.3	
65 2,4-Dimethylphenol	107	7.493	7.493	0.0	93	718177	9.90	
66 2-Nitrophenol	139	7.498	7.498	0.0	84	316976	10.3	
71 Benzoic acid	122	7.546	7.546	0.0	67	724688	19.0	
70 Bis(2-chloroethoxy)methane	93	7.568	7.568	0.0	94	1032279	10.4	
73 2,4-Dichlorophenol	162	7.701	7.701	0.0	94	492428	10.4	
74 1,2,4-Trichlorobenzene	180	7.787	7.787	0.0	86	533479	9.80	
75 Naphthalene	128	7.861	7.861	0.0	99	1820100	9.72	
76 4-Chloroaniline	127	7.872	7.872	0.0	74	1005135	10.2	
79 Hexachlorobutadiene	225	7.958	7.958	0.0	91	330431	10.3	
84 Caprolactam	113	8.161	8.161	0.0	79	419769	19.9	
86 4-Chloro-3-methylphenol	107	8.262	8.262	0.0	86	667307	10.3	
87 2-Methylnaphthalene	142	8.449	8.449	0.0	85	1187080	10.1	
88 1-Methylnaphthalene	142	8.535	8.535	0.0	79	1094981	9.92	
89 Hexachlorocyclopentadiene	237	8.588	8.588	0.0	91	392091	10.5	
91 1,2,4,5-Tetrachlorobenzene	216	8.593	8.593	0.0	93	526988	9.84	
92 2,4,6-Trichlorophenol	196	8.673	8.673	0.0	88	350958	10.3	
93 2,4,5-Trichlorophenol	196	8.711	8.711	0.0	87	358162	10.3	
98 1,1'-Biphenyl	154	8.834	8.834	0.0	95	1505434	9.68	
100 2-Chloronaphthalene	162	8.871	8.871	0.0	98	1109173	9.58	
102 2-Nitroaniline	65	8.924	8.924	0.0	71	543448	10.6	
105 Dimethyl phthalate	163	9.047	9.047	0.0	93	1210071	9.97	
106 1,3-Dinitrobenzene	168	9.090	9.090	0.0	80	207262	10.5	
107 2,6-Dinitrotoluene	165	9.111	9.111	0.0	68	291436	10.4	
109 Acenaphthylene	152	9.234	9.234	0.0	87	1782509	9.95	
110 3-Nitroaniline	138	9.272	9.272	0.0	87	277122	9.21	
111 2,4-Dinitrophenol	184	9.357	9.357	0.0	72	341911	19.4	
113 4-Nitrophenol	109	9.373	9.373	0.0	82	506188	20.3	
112 Acenaphthene	153	9.379	9.379	0.0	95	1110907	9.83	
114 2,4-Dinitrotoluene	165	9.464	9.464	0.0	79	350394	9.84	
116 Dibenzofuran	168	9.523	9.523	0.0	84	1597989	9.80	
119 2,3,4,6-Tetrachlorophenol	232	9.614	9.614	0.0	75	272561	10.1	
121 Diethyl phthalate	149	9.640	9.640	0.0	92	1011127	8.94	
123 4-Chlorophenyl phenyl ether	204	9.779	9.779	0.0	95	639224	10.0	
125 4-Nitroaniline	138	9.795	9.795	0.0	77	323906	9.36	
126 Fluorene	166	9.817	9.817	0.0	80	1262547	9.87	
128 4,6-Dinitro-2-methylphenol	198	9.822	9.822	0.0	79	487072	20.2	
131 N-Nitrosodiphenylamine	169	9.875	9.875	0.0	99	1575478	19.7	
133 Azobenzene	77	9.918	9.918	0.0	95	2171754	11.0	
132 1,2-Diphenylhydrazine	77	9.918	9.918	0.0	99	2170730	11.0	
139 4-Bromophenyl phenyl ether	248	10.201	10.201	0.0	71	314053	10.4	
142 Atrazine	200	10.287	10.287	0.0	85	706722	20.2	
141 Hexachlorobenzene	284	10.303	10.303	0.0	86	330714	10.8	
143 Pentachlorophenol	266	10.452	10.452	0.0	85	419245	20.1	
148 Phenanthrene	178	10.645	10.645	0.0	98	1600722	9.55	
149 Anthracene	178	10.687	10.687	0.0	99	1665266	10.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.800	10.800	0.0	83	1705346	10.3	
154 Di-n-butyl phthalate	149	11.013	11.013	0.0	100	2186319	10.6	
159 Fluoranthene	202	11.665	11.665	0.0	99	2176352	10.7	
160 Benzidine	184	11.724	11.724	0.0	99	1800178	20.3	
161 Pyrene	202	11.873	11.873	0.0	97	2224247	11.1	
168 Butyl benzyl phthalate	149	12.311	12.311	0.0	89	970086	10.6	
173 Bis(2-ethylhexyl) phthalate	149	12.830	12.830	0.0	94	1340366	11.0	
175 3,3'-Dichlorobenzidine	252	12.899	12.899	0.0	69	1505590	21.8	
177 Benzo[a]anthracene	228	12.985	12.985	0.0	89	2136531	9.98	
178 Chrysene	228	13.027	13.027	0.0	93	2067963	10.0	
180 Di-n-octyl phthalate	149	13.577	13.577	0.0	99	2365243	9.65	
182 Benzo[b]fluoranthene	252	14.406	14.406	0.0	87	1991192	10.6	
183 Benzo[k]fluoranthene	252	14.448	14.448	0.0	98	2134278	9.98	
184 Benzo[a]pyrene	252	14.966	14.966	0.0	73	1886754	10.2	
189 Dibenz(a,h)anthracene	278	17.354	17.354	0.0	59	1586191	10.4	
188 Indeno[1,2,3-cd]pyrene	276	17.354	17.354	0.0	92	1887154	10.1	
190 Benzo[g,h,i]perylene	276	18.070	18.070	0.0	90	1536811	9.92	
S 191 Methyl Phenols,Total	100				0		20.6	
S 245 Total Cresols	100				0		20.6	

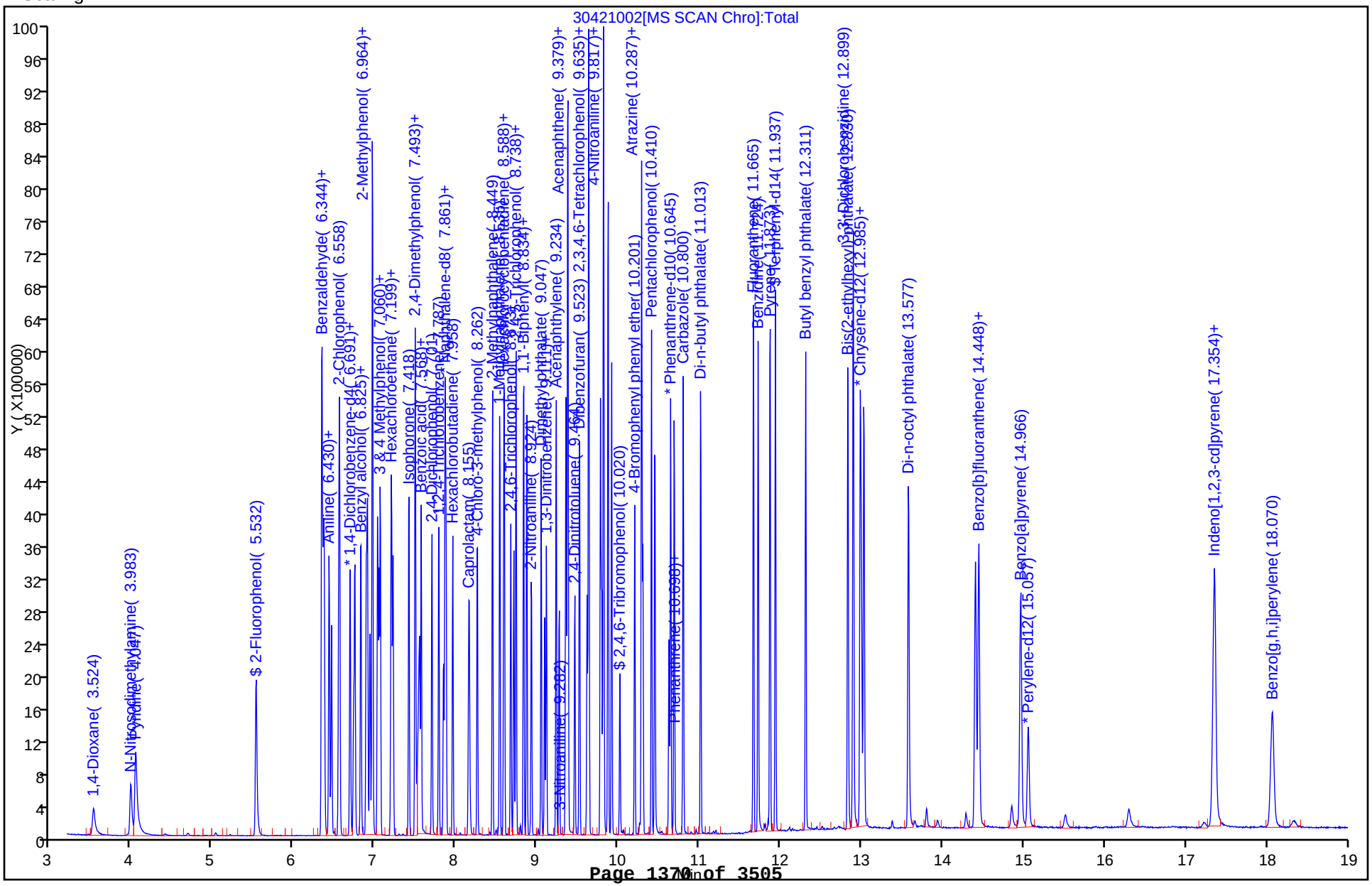
Report Date: 22-Apr-2013 08:55:39 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421002.D

Injection Date:	21-Apr-2013 11:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/21/2013 20:56

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421024.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	0.9675			0.151	0.100		
2-Methylnaphthalene	Ave	0.6099			0.157	0.100		
1-Methylnaphthalene	Ave	0.5701			0.147	0.100		
1,1'-Biphenyl	Ave	1.334			0.157	0.100		
2-Chloronaphthalene	Ave	0.9937			0.167	0.100		
Acenaphthylene	Ave	1.537			0.145	0.100		
Acenaphthene	Ave	0.9699			0.151	0.100		
Fluorene	Ave	1.097			0.155	0.100		
Hexachlorobenzene	Ave	0.1811			0.196	0.100		
Phenanthrene	Ave	0.9870			0.167	0.100		
Anthracene	Ave	0.9760			0.163	0.100		
Fluoranthene	Lin				0.164	0.100		
Pyrene	Ave	0.8829			0.153	0.100		
Benzo[a]anthracene	Ave	0.9456			0.175	0.100		
Chrysene	Ave	0.9101			0.180	0.100		
Benzo[b]fluoranthene	Ave	1.034			0.145	0.100		
Benzo[k]fluoranthene	Ave	1.172			0.148	0.100		
Benzo[a]pyrene	Ave	1.013			0.142	0.100		
Indeno[1,2,3-cd]pyrene	Ave	1.028			0.146	0.100		
Dibenz(a,h)anthracene	Ave	0.8370			0.140	0.100		
Benzo[g,h,i]perylene	Ave	0.8490			0.152	0.100		
1,2,4,5-Tetrachlorobenzene	Ave	0.4596			0.000550	0.100		
1,2,4-Trichlorobenzene	Ave	0.2812			0.000800	0.100		
1,2-Dichlorobenzene	Ave	1.294			0.000800	0.100		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162			0.000800	0.100		
1,3-Dichlorobenzene	Ave	1.354			0.000800	0.100		
1,4-Dichlorobenzene	Ave	1.394			0.000800	0.100		
1,4-Dioxane	Ave	0.8157			0.000800	0.100		
2,3,4,6-Tetrachlorophenol	Ave	0.2312			0.000580	0.100		
2,4,5-Trichlorophenol	Ave	0.2972			0.000800	0.100		
2,4,6-Trichlorophenol	Ave	0.2912			0.000800	0.100		
2,4-Dichlorophenol	Ave	0.2455			0.000800	0.100		
2,4-Dimethylphenol	Ave	0.3749			0.000800	0.100		
2,4-Dinitrophenol	Qua				0.00240	0.200		
2,4-Dinitrotoluene	Ave	0.3054			0.000800	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/21/2013 20:56

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421024.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.2401			0.000800	0.100		
2-Chlorophenol	Ave	1.291			0.000800	0.100		
2-Methylphenol	Ave	1.428			0.000800	0.100		
2-Nitroaniline	Ave	0.4379			0.000800	0.100		
2-Nitrophenol	Ave	0.1587			0.000800	0.100		
3 & 4 Methylphenol	Ave	1.486			0.000800	0.100		
3,3'-Dichlorobenzidine	Ave	0.3046			0.000800	0.200		
3-Nitroaniline	Ave	0.2581			0.000800	0.100		
4,6-Dinitro-2-methylphenol	Lin1				0.00240	0.200		
4-Bromophenyl phenyl ether	Ave	0.1776			0.000800	0.100		
4-Chloro-3-methylphenol	Ave	0.3343			0.000800	0.100		
4-Chloroaniline	Ave	0.5086			0.000800	0.100		
4-Chlorophenyl phenyl ether	Ave	0.5480			0.000800	0.100		
4-Nitroaniline	Lin				0.000800	0.100		
4-Nitrophenol	Ave	0.2135			0.00240	0.200		
Acetophenone	Ave	2.373			0.000800	0.100		
Aniline	Ave	2.901			0.00240	0.100		
Atrazine	Qua				0.000800	0.200		
Azobenzene	Ave	1.162			0.000810	0.100		
Benzaldehyde	Ave	1.740			0.000800	0.200		
Benzidine	Ave	0.3909			0.00240	0.200		
Benzoic acid	Lin1				0.0100	0.200		
Benzyl alcohol	Ave	1.007			0.000800	0.100		
bis (2-chloroisopropyl) ether	Ave	1.884			0.000800	0.100		
Bis(2-chloroethoxy)methane	Ave	0.5117			0.000800	0.100		
Bis(2-chloroethyl)ether	Ave	2.012			0.000100	0.100		
Bis(2-ethylhexyl) phthalate	Ave	0.5389			0.000800	0.100		
Butyl benzyl phthalate	Ave	0.4024			0.000800	0.100		
Caprolactam	Ave	0.1089			0.000800	0.200		
Carbazole	Lin1				0.000800	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 04/21/2013 20:56

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421024.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenzofuran	Ave	1.399			0.000100	0.100		
Diethyl phthalate	Ave	0.9697			0.000800	0.100		
Dimethyl phthalate	Ave	1.041			0.000800	0.100		
Di-n-butyl phthalate	Lin1				0.000800	0.100		
Di-n-octyl phthalate	Lin1				0.000800	0.100		
Hexachlorobutadiene	Ave	0.1665			0.000800	0.100		
Hexachlorocyclopentadiene	Ave	0.3194			0.000800	0.100		
Hexachloroethane	Ave	0.6609			0.000800	0.100		
Isophorone	Ave	0.8841			0.000800	0.100		
Nitrobenzene	Ave	0.5342			0.000100	0.100		
N-Nitrosodimethylamine	Ave	1.347			0.000800	0.100		
N-Nitrosodi-n-propylamine	Ave	1.519			0.000800	0.100		
N-Nitrosodiphenylamine	Ave	0.4711			0.000800	0.200		
Pentachlorophenol	Lin1				0.00240	0.200		
Phenol	Ave	2.247			0.000800	0.100		
Pyridine	Ave	2.249			0.000800	0.100		
Nitrobenzene-d5 (Surr)	Ave	0.5898			0.162	0.100	162*	35-100
2-Fluorobiphenyl (Surr)	Ave	1.191			0.191	0.100	191*	45-105
Terphenyl-d14 (Surr)	Ave	0.7168			0.177	0.100	177*	30-125
2,4,6-Tribromophenol (Surr)	Ave	0.1293			0.000000	0.100	0*	35-125
2-Fluorophenol (Surr)	Ave	1.625			0.000000	0.100	0*	35-105
Phenol-d5 (Surr)	Ave	2.183			0.000000	0.100	0*	40-100

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421024.D
Lims ID: mdll1 Client ID:
Inject. Date: 21-Apr-2013 20:56:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0019112-024
Misc. Info.: MDLL1 =MDLL1
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 82876 Lims Sample ID: 24
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 09:47:04 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:11:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.735	6.734	0.001	95	225913	4.00	
* 2 Naphthalene-d8	136	7.841	7.845	-0.004	99	922940	4.00	
* 3 Acenaphthene-d10	164	9.347	9.352	-0.005	75	549479	4.00	
* 4 Phenanthrene-d10	188	10.624	10.623	0.001	94	948597	4.00	
* 5 Chrysene-d12	240	12.996	13.001	-0.005	79	1112082	4.00	
* 6 Perylene-d12	264	15.053	15.057	-0.004	97	985977	4.00	
$ 7 2-Fluorophenol	112		5.532					
$ 8 Phenol-d5	99		6.360					
$ 9 Nitrobenzene-d5	82	7.200	7.204	-0.004	74	22108	0.1625	
$ 10 2-Fluorobiphenyl (Surr)	172	8.738	8.738	0.0	91	31308	0.1914	
$ 11 2,4,6-Tribromophenol	330		10.020					9
$ 12 Terphenyl-d14	244	11.938	11.937	0.001	86	35354	0.1774	
249 4-Chlorophenol TIC	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
244 n-Octadecane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
247 Hexadecane	57		0.000					
23 2,5-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
243 n-Decane	57		0.000					
19 Octachlorostyrene	1		0.000					
20 Dimethylformamide	73		1.920					
28 Ethyl methacrylate	69		1.926					
29 3-Chloropropionitrile	54		2.118					
31 2-Picoline	93		2.224					
32 N-Nitrosomethylethylamine	88		2.288					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
233 n,n'-Dimethylacetamide	44		2.465					
35 Acrylamide	71		2.475					
34 Methyl methanesulfonate	80		2.485					
36 N-Nitrosodiethylamine	102		2.763					
37 Ethyl methanesulfonate	79		2.961					
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
45 Pentachloroethane	167		3.340					
25 1,4-Dioxane	88		3.524					9
232 1-Methyl-2-pyrrilidinone	99		3.555					
42 Phenylmercaptan	110		3.596					
56 N-Nitrosopyrrolidine	100		3.842					
59 N-Nitrosomorpholine	56		3.869					
60 2-Toluidine	106		3.885					
26 N-Nitrosodimethylamine	74		3.983					
27 Pyridine	79		4.047					
63 N-Nitrosopiperidine	114		4.120					
67 1,3,5-Trichlorobenzene	180		4.164					
68 o,o',o''-Triethylphosphorothioat	198		4.318					
24 Catechol	110		4.410					
72 alpha,alpha-Dimethyl phenethylam	58		4.414					
80 1,2,3-Trichlorobenzene	180		4.602					
77 2,6-Dichlorophenol	162		4.628					
78 Hexachloropropene	213		4.654					
81 Benzothiazole	135		4.698					
15 3-Methylcatechol	124		4.794					
82 Quinoline	129		4.857					
83 N-Nitrosodi-n-butylamine	84		4.884					9
85 p-Phenylene diamine	108		4.905					
14 4-Methylcatechol	124		5.036					
94 Safrole, Total	162		5.066					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
225 Isosafrole Peak 1	162		5.306					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					
227 Isosafrole Peak 2	162		5.498					
101 Phenyl ether	170		5.521					
246 1-Chloronaphthalene	162		5.578					
103 1,4-Naphthoquinone	158		5.701					
104 1,4-Dinitrobenzene	168		5.744					
108 1,2-Dinitrobenzene	168		5.777					
115 Pentachlorobenzene	250		6.161					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
117 1-Naphthylamine	143		6.257					
120 2-Naphthylamine	143		6.321					
41 Benzaldehyde	77		6.339					
43 Phenol	94		6.371					
44 Aniline	93		6.430					
122 Thionazin	97		6.433					
127 Tributyl phosphate	99		6.434					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethyl)ether	93		6.462					
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128		6.553					
130 Diphenylamine	169		6.567					
134 Sulfotepp	202		6.684					
47 1,3-Dichlorobenzene	146		6.691					
48 1,4-Dichlorobenzene	146		6.750					
135 1,3,5-Trinitrobenzene	213		6.775					
228 Diallate Peak 1	86		6.807					
138 Phorate	121		6.812					
137 Phenacetin	108		6.818					9
49 Benzyl alcohol	108		6.825					
230 Diallate Peak 2	86		6.882					
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					
53 2,2'-oxybis[1-chloropropane]	45		6.937					
140 Dimethoate	87		6.962					9
52 Indene	115		6.964					
21 3 & 4 Methylphenol	108		7.028					
57 N-Nitrosodi-n-propylamine	70		7.044					
58 Acetophenone	105		7.060					
129 4-Aminobiphenyl	169		7.101					
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117		7.194					
62 Nitrobenzene	77		7.220					
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					9
64 Isophorone	82		7.418					
65 2,4-Dimethylphenol	107		7.493					
66 2-Nitrophenol	139		7.498					
71 Benzoic acid	122		7.546					9
152 Methyl parathion	109		7.566					9
70 Bis(2-chloroethoxy)methane	93		7.568					
153 Diphenylsulfone	125		7.631					
73 2,4-Dichlorophenol	162		7.701					
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128	7.862	7.861	0.001	53	33699	0.1510	
76 4-Chloroaniline	127		7.872					
155 Ethyl Parathion	97		7.892					
156 4-Nitroquinoline-1-oxide	190		7.934					9
79 Hexachlorobutadiene	225		7.958					
157 Methapyrilene	58		7.982					
84 Caprolactam	113		8.161					
158 Isodrin	66		8.164					
86 4-Chloro-3-methylphenol	107		8.262					
87 2-Methylnaphthalene	142	8.445	8.449	-0.005	82	22143	0.1573	
88 1-Methylnaphthalene	142	8.535	8.535	0.0	67	19301	0.1467	
226 Aramite Peak 1	185		8.565					
89 Hexachlorocyclopentadiene	237		8.588					9
91 1,2,4,5-Tetrachlorobenzene	216		8.593					
229 Aramite Peak 2	185		8.629					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
92 2,4,6-Trichlorophenol	196		8.673					9
93 2,4,5-Trichlorophenol	196		8.711					
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154	8.829	8.834	-0.005	85	28736	0.1568	
100 2-Chloronaphthalene	162	8.867	8.871	-0.004	88	22769	0.1668	
102 2-Nitroaniline	65		8.924					9
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163		9.047					
106 1,3-Dinitrobenzene	168		9.090					
107 2,6-Dinitrotoluene	165		9.111					9
171 2-Acetylaminofluorene	181		9.211					
109 Acenaphthylene	152	9.230	9.234	-0.004	84	30693	0.1453	
110 3-Nitroaniline	138		9.272					
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109		9.373					9
112 Acenaphthene	153	9.374	9.379	-0.005	76	20152	0.1512	
176 Hexabromobenzene	232		9.394					
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
114 2,4-Dinitrotoluene	165		9.464					9
116 Dibenzofuran	168		9.523					
119 2,3,4,6-Tetrachlorophenol	232		9.614					9
121 Diethyl phthalate	149		9.640					
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					
126 Fluorene	166	9.812	9.817	-0.005	75	23395	0.1553	
128 4,6-Dinitro-2-methylphenol	198		9.822					9
131 N-Nitrosodiphenylamine	169		9.875					
179 6-Methylchrysene	242		9.890					
133 Azobenzene	77		9.918					
132 1,2-Diphenylhydrazine	77		9.918					
139 4-Bromophenyl phenyl ether	248		10.201					
142 Atrazine	200		10.287					
141 Hexachlorobenzene	284	10.304	10.303	0.001	59	8430	0.1963	
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
143 Pentachlorophenol	266		10.452					9
148 Phenanthrene	178	10.645	10.645	0.0	50	39004	0.1666	
149 Anthracene	178	10.688	10.687	0.001	91	37653	0.1627	
150 DFTPP								
151 Carbazole	167		10.800					
154 Di-n-butyl phthalate	149		11.013					
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202	11.666	11.665	0.001	93	37193	0.1644	
160 Benzidine	184		11.724					
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202	11.869	11.873	-0.004	94	37485	0.1527	
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					
165 4,4'-DDD	235		12.174					
168 Butyl benzyl phthalate	149		12.311					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.452					
173 Bis(2-ethylhexyl) phthalate	149		12.830					
175 3,3'-Dichlorobenzidine	252		12.899					9
177 Benzo[a]anthracene	228	12.985	12.985	0.001	82	45881	0.1745	
178 Chrysene	228	13.028	13.027	0.001	67	45442	0.1796	
180 Di-n-octyl phthalate	149		13.577					
182 Benzo[b]fluoranthene	252	14.401	14.406	-0.005	87	36886	0.1447	
183 Benzo[k]fluoranthene	252	14.444	14.448	-0.004	84	42780	0.1480	
184 Benzo[a]pyrene	252	14.957	14.966	-0.009	51	35505	0.1421	
189 Dibenz(a,h)anthracene	278	17.350	17.354	-0.004	28	28858	0.1399	M
188 Indeno[1,2,3-cd]pyrene	276	17.339	17.354	-0.015	90	37031	0.1461	
190 Benzo[g,h,i]perylene	276	18.055	18.070	-0.015	66	31849	0.1522	M
S 191 Methyl Phenols,Total	100		0.000					7
S 245 Total Cresols	100		0.000					
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.500					1
T 235 4-isopropylphenol TIC	121		4.700					1
T 236 3-isopropylphenol TIC	121		4.700					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 231 2,3,7,8-TCDD	322		9.600					1
T 192 Octadecane (TIC)	254		9.600					
T 196 Kepone TIC	272		10.100					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 197 Hexachlorophene TIC	198		13.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

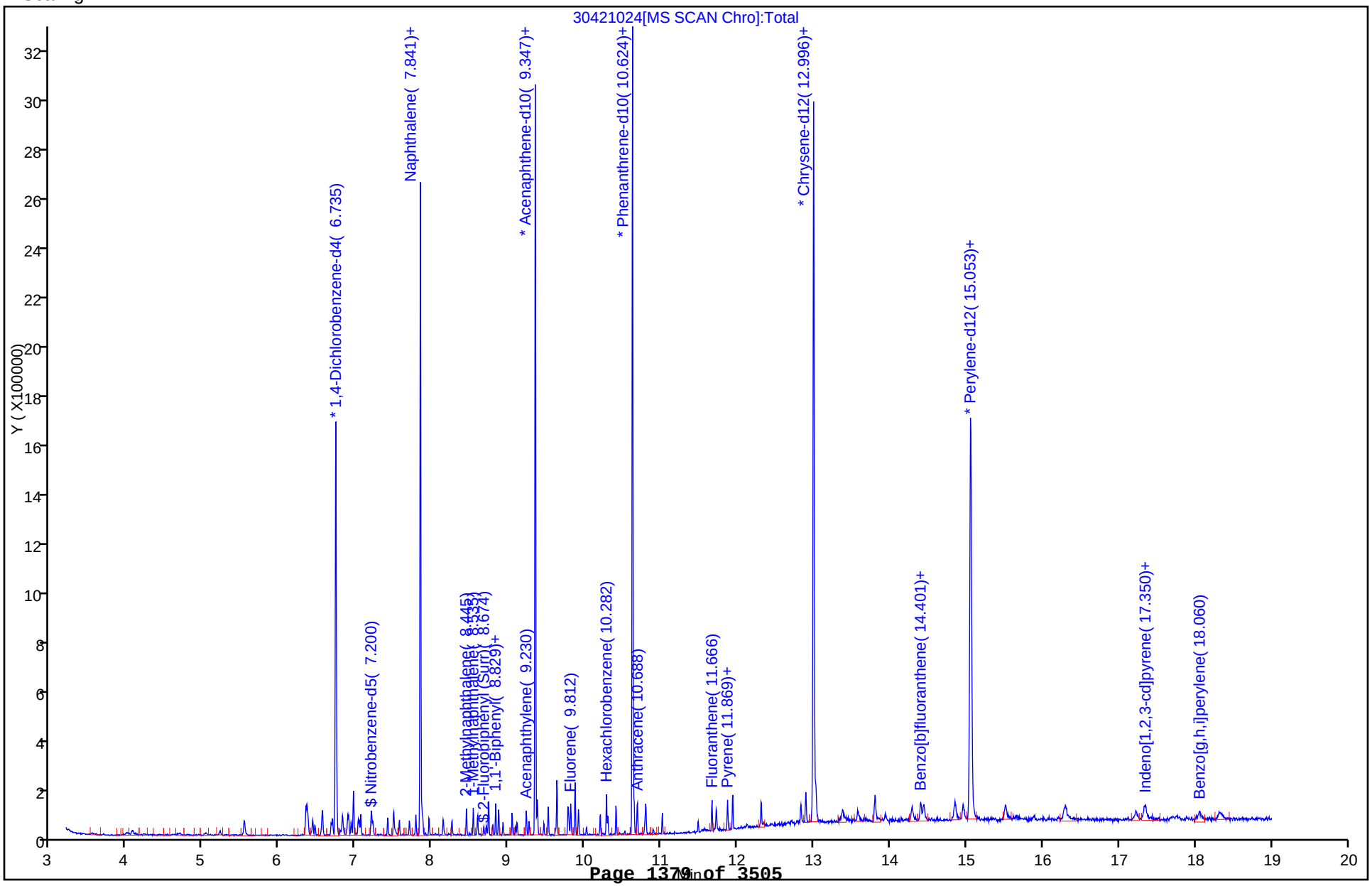
Report Date: 22-Apr-2013 09:47:10 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421024.D

Injection Date:	21-Apr-2013 20:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	24
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

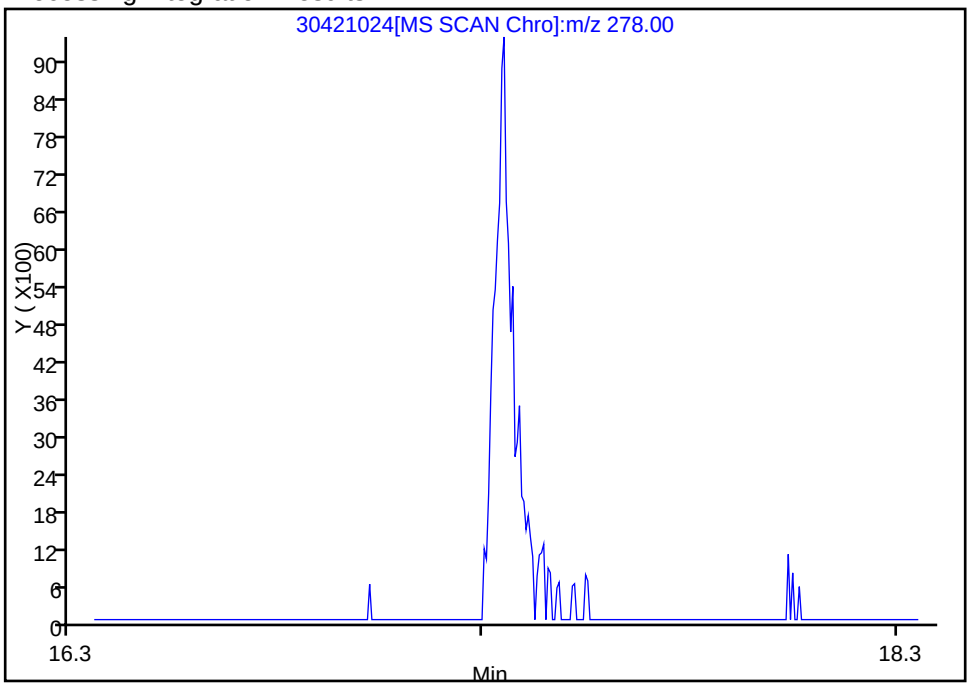
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421024.D		
Injection Date:	21-Apr-2013 20:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	24
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 17.35

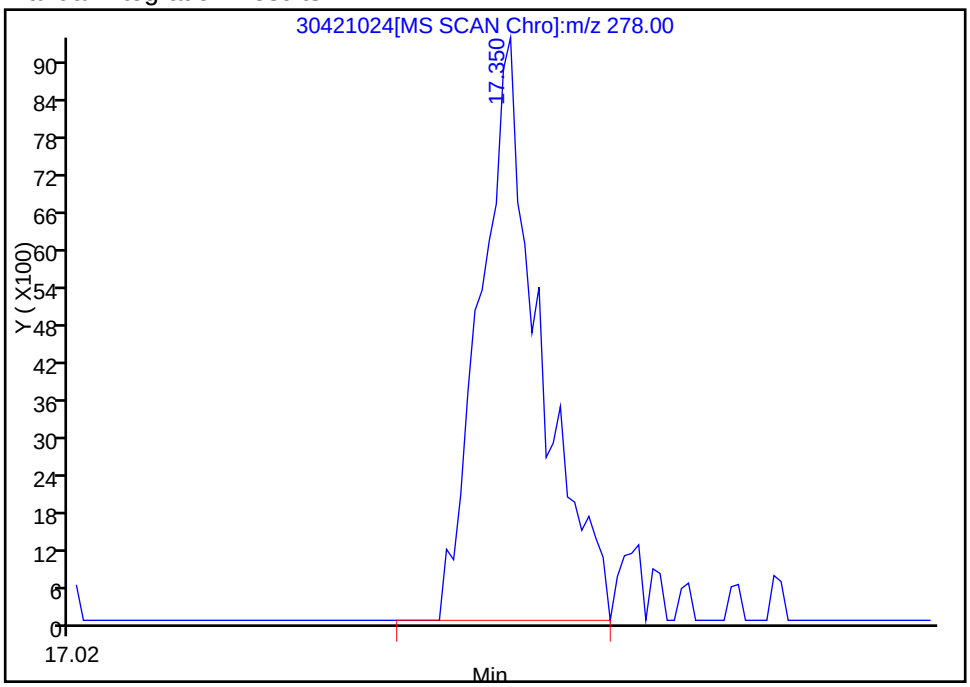
Not Detected
Expected RT: 17.35

Processing Integration Results



Manual Integration Results

RT: 17.35
Response: 28858
Amount: 0.139872



Reviewer: ulmanm, 22-Apr-2013 08:11:19
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

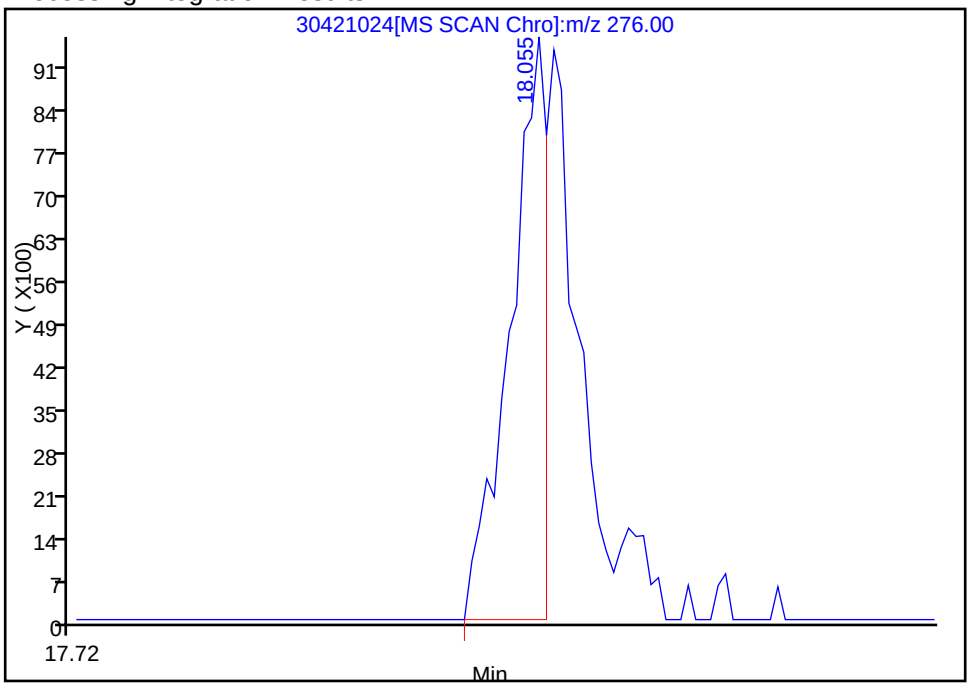
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421024.D		
Injection Date:	21-Apr-2013 20:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	24
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 18.07

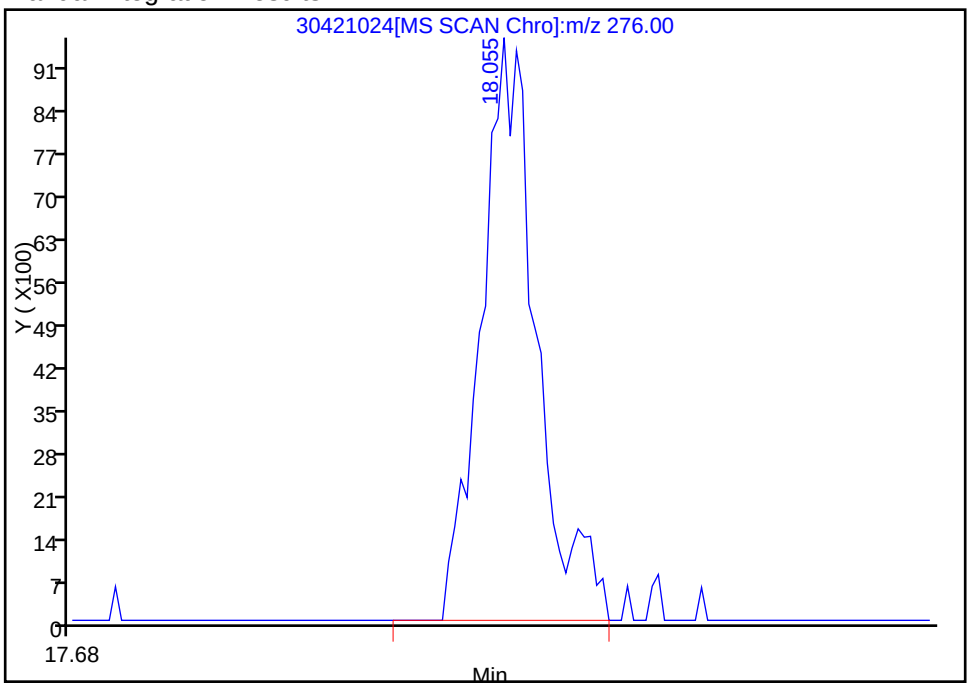
Processing Integration Results

RT: 18.06
Response: 17349
Amount: 0.082900



Manual Integration Results

RT: 18.06
Response: 31849
Amount: 0.152186



Reviewer: ulmanm, 22-Apr-2013 08:11:19
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/21/2013 21:22

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8157			0.401	0.500		
N-Nitrosodimethylamine	Ave	1.347			0.393	0.500		
Pyridine	Ave	2.249			0.426	0.500		
Benzaldehyde	Ave	1.740			0.980	1.00		
Phenol	Ave	2.247			0.473	0.500		
Aniline	Ave	2.901			0.464	0.500		
Bis(2-chloroethyl)ether	Ave	2.012			0.500	0.500		
2-Chlorophenol	Ave	1.291			0.516	0.500		
1,3-Dichlorobenzene	Ave	1.354			0.507	0.500		
1,4-Dichlorobenzene	Ave	1.394			0.496	0.500		
Benzyl alcohol	Ave	1.007			0.445	0.500		
1,2-Dichlorobenzene	Ave	1.294			0.500	0.500		
2-Methylphenol	Ave	1.428			0.482	0.500		
bis (2-chloroisopropyl) ether	Ave	1.884			0.500	0.500		
3 & 4 Methylphenol	Ave	1.486			0.484	0.500		
N-Nitrosodi-n-propylamine	Ave	1.519			0.481	0.500		
Acetophenone	Ave	2.373			0.499	0.500		
Hexachloroethane	Ave	0.6609			0.500	0.500		
Nitrobenzene	Ave	0.5342			0.475	0.500		
Isophorone	Ave	0.8841			0.465	0.500		
2,4-Dimethylphenol	Ave	0.3749			0.477	0.500		
2-Nitrophenol	Ave	0.1587			0.433	0.500		
Benzoic acid	Lin1				1.64	1.00		
Bis(2-chloroethoxy)methane	Ave	0.5117			0.494	0.500		
2,4-Dichlorophenol	Ave	0.2455			0.456	0.500		
1,2,4-Trichlorobenzene	Ave	0.2812			0.483	0.500		
4-Chloroaniline	Ave	0.5086			0.492	0.500		
Hexachlorobutadiene	Ave	0.1665			0.530	0.500		
Caprolactam	Ave	0.1089			0.967	1.00		
4-Chloro-3-methylphenol	Ave	0.3343			0.437	0.500		
Hexachlorocyclopentadiene	Ave	0.3194			0.114	0.500		
1,2,4,5-Tetrachlorobenzene	Ave	0.4596			0.496	0.500		
2,4,6-Trichlorophenol	Ave	0.2912			0.394	0.500		
2,4,5-Trichlorophenol	Ave	0.2972			0.427	0.500		
2-Nitroaniline	Ave	0.4379			0.418	0.500		
Dimethyl phthalate	Ave	1.041			0.504	0.500		
2,6-Dinitrotoluene	Ave	0.2401			0.470	0.500		
3-Nitroaniline	Ave	0.2581			0.429	0.500		
4-Nitrophenol	Ave	0.2135			0.599	1.00		
2,4-Dinitrotoluene	Ave	0.3054			0.397	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/21/2013 21:22

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenzofuran	Ave	1.399			0.495	0.500		
2,3,4,6-Tetrachlorophenol	Ave	0.2312			0.376	0.500		
Diethyl phthalate	Ave	0.9697			0.563	0.500		
4-Chlorophenyl phenyl ether	Ave	0.5480			0.529	0.500		
4-Nitroaniline	Lin				1.10	0.500		
4,6-Dinitro-2-methylphenol	Lin1				1.23	1.00		
N-Nitrosodiphenylamine	Ave	0.4711			0.962	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162			0.432	0.500		
Azobenzene	Ave	1.162			0.432	0.500		
4-Bromophenyl phenyl ether	Ave	0.1776			0.468	0.500		
Atrazine	Qua				1.31	1.00		
Pentachlorophenol	Lin1				1.22	1.00		
Carbazole	Lin1				0.579	0.500		
Di-n-butyl phthalate	Lin1				0.625	0.500		
Benzidine	Ave	0.3909			0.842	1.00		
Butyl benzyl phthalate	Ave	0.4024			0.411	0.500		
Bis(2-ethylhexyl) phthalate	Ave	0.5389			0.391	0.500		
3,3'-Dichlorobenzidine	Ave	0.3046			0.846	1.00		
Di-n-octyl phthalate	Lin1				0.570	0.500		
1,1'-Biphenyl	Ave	1.334			0.000800	0.500		
1-Methylnaphthalene	Ave	0.5701			0.000100	0.500		
2,4-Dinitrophenol	Qua				0.00240	1.00		
2-Chloronaphthalene	Ave	0.9937			0.000100	0.500		
2-Methylnaphthalene	Ave	0.6099			0.000100	0.500		
Acenaphthene	Ave	0.9699			0.000100	0.500		
Acenaphthylene	Ave	1.537			0.000100	0.500		
Anthracene	Ave	0.9760			0.000100	0.500		
Benzo[a]anthracene	Ave	0.9456			0.000100	0.500		
Benzo[a]pyrene	Ave	1.013			0.000100	0.500		
Benzo[b]fluoranthene	Ave	1.034			0.000100	0.500		
Benzo[g,h,i]perylene	Ave	0.8490			0.000100	0.500		
Benzo[k]fluoranthene	Ave	1.172			0.000100	0.500		
Chrysene	Ave	0.9101			0.000100	0.500		
Dibenz(a,h)anthracene	Ave	0.8370			0.000100	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 04/21/2013 21:22

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoranthene	Lin				0.000100	0.500		
Fluorene	Ave	1.097			0.000100	0.500		
Hexachlorobenzene	Ave	0.1811			0.000100	0.500		
Indeno[1,2,3-cd]pyrene	Ave	1.028			0.000100	0.500		
Naphthalene	Ave	0.9675			0.000100	0.500		
Phenanthrene	Ave	0.9870			0.000100	0.500		
Pyrene	Ave	0.8829			0.000100	0.500		
2-Fluorophenol (Surr)	Ave	1.625			0.483	0.500	97	35-105
Phenol-d5 (Surr)	Ave	2.183			0.537	0.500	107*	40-100
2,4,6-Tribromophenol (Surr)	Ave	0.1293			0.457	0.500	91	35-125
2-Fluorobiphenyl (Surr)	Ave	1.191			0.000000	0.500	0*	45-105
Nitrobenzene-d5 (Surr)	Ave	0.5898			0.000000	0.500	0*	35-100
Terphenyl-d14 (Surr)	Ave	0.7168			0.000000	0.500	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421025.D		
Lims ID:	mdll2	Client ID:	
Inject. Date:	21-Apr-2013 21:22:30	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	240-0019112-025		
Misc. Info.:	MDLL2 =MDLL2		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	82876	Lims Sample ID:	25
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m		
Last Update:	22-Apr-2013 09:47:04	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK030		
First Level Reviewer: ulmanm		Date:	22-Apr-2013 08:15:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.733	6.734	-0.001	96	232599	4.00	
* 2 Naphthalene-d8	136	7.844	7.845	-0.001	99	951013	4.00	
* 3 Acenaphthene-d10	164	9.345	9.352	-0.007	78	572671	4.00	
* 4 Phenanthrene-d10	188	10.622	10.623	-0.001	93	1010888	4.00	
* 5 Chrysene-d12	240	12.994	13.001	-0.007	76	1197974	4.00	
* 6 Perylene-d12	264	15.056	15.057	-0.001	97	1034900	4.00	
$ 7 2-Fluorophenol	112	5.536	5.532	0.004	81	45638	0.4829	
$ 8 Phenol-d5	99	6.354	6.360	-0.006	99	68129	0.5366	
$ 9 Nitrobenzene-d5	82		7.204					
$ 10 2-Fluorobiphenyl (Surr)	172		8.738					
$ 11 2,4,6-Tribromophenol	330	10.019	10.020	-0.001	53	8449	0.4566	
$ 12 Terphenyl-d14	244		11.937					
249 4-Chlorophenol TIC	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
244 n-Octadecane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
247 Hexadecane	57		0.000					
23 2,5-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
243 n-Decane	57		0.000					
19 Octachlorostyrene	1		0.000					
20 Dimethylformamide	73		1.920					
28 Ethyl methacrylate	69		1.926					
29 3-Chloropropionitrile	54		2.118					
31 2-Picoline	93		2.224					
32 N-Nitrosomethylethylamine	88		2.288					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
233 n,n'-Dimethylacetamide	44		2.465					
35 Acrylamide	71		2.475					
34 Methyl methanesulfonate	80		2.485					
36 N-Nitrosodiethylamine	102		2.763					
37 Ethyl methanesulfonate	79		2.961					
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
45 Pentachloroethane	167		3.340					
25 1,4-Dioxane	88	3.528	3.524	0.004	85	19036	0.4013	
232 1-Methyl-2-pyrrilidinone	99		3.555					
42 Phenylmercaptan	110		3.596					
56 N-Nitrosopyrrolidine	100		3.842					
59 N-Nitrosomorpholine	56		3.869					
60 2-Toluidine	106		3.885					
26 N-Nitrosodimethylamine	74	3.987	3.983	0.004	71	30814	0.3933	
27 Pyridine	79	4.051	4.047	0.004	92	55715	0.4260	
63 N-Nitrosopiperidine	114		4.120					
67 1,3,5-Trichlorobenzene	180		4.164					
68 o,o',o''-Triethylphosphorothioat	198		4.318					
24 Catechol	110		4.410					
72 alpha,alpha-Dimethyl phenethylam	58		4.414					
80 1,2,3-Trichlorobenzene	180		4.602					
77 2,6-Dichlorophenol	162		4.628					
78 Hexachloropropene	213		4.654					
81 Benzothiazole	135		4.698					
15 3-Methylcatechol	124		4.794					
82 Quinoline	129		4.857					
83 N-Nitrosodi-n-butylamine	84		4.884					9
85 p-Phenylene diamine	108		4.905					
14 4-Methylcatechol	124		5.036					
94 Safrole, Total	162		5.066					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
225 Isosafrole Peak 1	162		5.306					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					
227 Isosafrole Peak 2	162		5.498					
101 Phenyl ether	170		5.521					
246 1-Chloronaphthalene	162		5.578					
103 1,4-Naphthoquinone	158		5.701					
104 1,4-Dinitrobenzene	168		5.744					
108 1,2-Dinitrobenzene	168		5.777					
115 Pentachlorobenzene	250		6.161					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
117 1-Naphthylamine	143		6.257					
120 2-Naphthylamine	143		6.321					
41 Benzaldehyde	77	6.343	6.339	0.004	95	99138	0.9797	
43 Phenol	94	6.370	6.371	-0.001	71	61774	0.4728	
44 Aniline	93	6.429	6.430	-0.001	94	78251	0.4639	
122 Thionazin	97		6.433					
127 Tributyl phosphate	99		6.434					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethyl)ether	93	6.461	6.462	-0.001	93	58482	0.4998	
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128	6.552	6.553	-0.001	87	38723	0.5157	
130 Diphenylamine	169		6.567					
134 Sulfotepp	202		6.684					
47 1,3-Dichlorobenzene	146	6.690	6.691	-0.001	86	39909	0.5069	
48 1,4-Dichlorobenzene	146	6.749	6.750	-0.001	74	40208	0.4962	
135 1,3,5-Trinitrobenzene	213		6.775					
228 Diallate Peak 1	86		6.807					
138 Phorate	121		6.812					
137 Phenacetin	108		6.818					9
49 Benzyl alcohol	108	6.819	6.825	-0.006	85	26091	0.4454	
230 Diallate Peak 2	86		6.882					
50 1,2-Dichlorobenzene	146	6.888	6.889	-0.001	83	37661	0.5003	
51 2-Methylphenol	108	6.904	6.905	-0.001	90	39996	0.4817	
53 2,2'-oxybis[1-chloropropane]	45	6.936	6.937	-0.001	94	54805	0.5003	
140 Dimethoate	87		6.962					9
52 Indene	115	6.963	6.964	-0.001	69	149896	0.9727	
21 3 & 4 Methylphenol	108	7.027	7.028	-0.001	81	41775	0.4836	
57 N-Nitrosodi-n-propylamine	70	7.043	7.044	-0.001	71	42511	0.4813	
58 Acetophenone	105	7.059	7.060	-0.001	71	68913	0.4993	
129 4-Aminobiphenyl	169		7.101					
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117	7.193	7.194	-0.001	78	19212	0.4999	
62 Nitrobenzene	77	7.219	7.220	-0.001	72	60385	0.4755	
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					
64 Isophorone	82	7.412	7.418	-0.006	94	97708	0.4648	
65 2,4-Dimethylphenol	107	7.492	7.493	-0.001	91	42531	0.4771	
66 2-Nitrophenol	139	7.497	7.498	-0.001	85	16323	0.4326	
71 Benzoic acid	122	7.513	7.546	-0.033	63	10787	1.64	
152 Methyl parathion	109		7.566					9
70 Bis(2-chloroethoxy)methane	93	7.567	7.568	-0.002	94	60150	0.4944	
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162	7.700	7.701	-0.001	90	26635	0.4564	
74 1,2,4-Trichlorobenzene	180	7.786	7.787	-0.001	87	32299	0.4831	
75 Naphthalene	128		7.861					
76 4-Chloroaniline	127	7.871	7.872	-0.001	58	59497	0.4920	
155 Ethyl Parathion	97		7.892					9
156 4-Nitroquinoline-1-oxide	190		7.934					9
79 Hexachlorobutadiene	225	7.956	7.958	-0.002	82	20963	0.5295	
157 Methapyrilene	58		7.982					
84 Caprolactam	113	8.143	8.161	-0.018	71	25044	0.9671	
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107	8.256	8.262	-0.006	83	34726	0.4369	
87 2-Methylnaphthalene	142		8.449					
88 1-Methylnaphthalene	142		8.535					
226 Aramite Peak 1	185		8.565					
89 Hexachlorocyclopentadiene	237	8.587	8.588	-0.001	36	5225	0.1142	
91 1,2,4,5-Tetrachlorobenzene	216	8.592	8.593	-0.001	88	32631	0.4960	
229 Aramite Peak 2	185		8.629					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
92 2,4,6-Trichlorophenol	196	8.672	8.673	-0.001	77	16429	0.3940	
93 2,4,5-Trichlorophenol	196	8.710	8.711	-0.001	83	18184	0.4274	
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154		8.834					
100 2-Chloronaphthalene	162		8.871					
102 2-Nitroaniline	65	8.923	8.924	-0.001	51	26193	0.4178	
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163	9.046	9.047	-0.001	93	75184	0.5043	
106 1,3-Dinitrobenzene	168	9.089	9.090	-0.001	78	9521	0.3930	
107 2,6-Dinitrotoluene	165	9.110	9.111	-0.001	57	16139	0.4696	
171 2-Acetylaminofluorene	181		9.211					
109 Acenaphthylene	152		9.234					
110 3-Nitroaniline	138	9.271	9.272	-0.001	84	15850	0.4289	
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109	9.372	9.373	-0.001	66	18309	0.5989	
112 Acenaphthene	153		9.379					
176 Hexabromobenzene	232		9.394					
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
114 2,4-Dinitrotoluene	165	9.463	9.464	-0.001	67	17359	0.3970	
116 Dibenzofuran	168	9.516	9.523	-0.007	83	99062	0.4946	
119 2,3,4,6-Tetrachlorophenol	232	9.613	9.614	-0.001	63	12455	0.3763	
121 Diethyl phthalate	149	9.634	9.640	-0.006	92	78196	0.5632	
123 4-Chlorophenyl phenyl ether	204	9.778	9.779	-0.001	93	41482	0.5287	
125 4-Nitroaniline	138	9.789	9.795	-0.006	66	16514	1.10	
126 Fluorene	166		9.817					
128 4,6-Dinitro-2-methylphenol	198	9.816	9.822	-0.006	43	6732	1.23	
131 N-Nitrosodiphenylamine	169	9.869	9.875	-0.006	99	114519	0.9618	
179 6-Methylchrysene	242		9.890					
133 Azobenzene	77	9.917	9.918	-0.001	94	126959	0.4324	
132 1,2-Diphenylhydrazine	77	9.917	9.918	-0.001	99	126959	0.4324	
139 4-Bromophenyl phenyl ether	248	10.200	10.201	-0.001	69	21020	0.4684	
142 Atrazine	200	10.280	10.287	-0.007	79	39392	1.31	
141 Hexachlorobenzene	284		10.303					
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
143 Pentachlorophenol	266	10.451	10.452	-0.001	58	8586	1.22	
148 Phenanthrene	178		10.645					
149 Anthracene	178		10.687					
150 DFTPP								
151 Carbazole	167	10.798	10.800	-0.002	84	90052	0.5793	
154 Di-n-butyl phthalate	149	11.012	11.013	-0.001	99	95752	0.6251	
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202		11.665					
160 Benzidine	184	11.723	11.724	-0.001	95	98557	0.8418	
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202		11.873					
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.174					
168 Butyl benzyl phthalate	149	12.310	12.311	-0.001	86	49497	0.4107	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.452					
173 Bis(2-ethylhexyl) phthalate	149	12.829	12.830	-0.002	92	63156	0.3913	
175 3,3'-Dichlorobenzidine	252	12.893	12.899	-0.006	62	77171	0.8460	
177 Benzo[a]anthracene	228		12.985					
178 Chrysene	228		13.027					
180 Di-n-octyl phthalate	149	13.576	13.577	-0.001	95	89322	0.5696	
182 Benzo[b]fluoranthene	252		14.406					
183 Benzo[k]fluoranthene	252		14.448					
184 Benzo[a]pyrene	252		14.966					
189 Dibenz(a,h)anthracene	278		17.354					9
188 Indeno[1,2,3-cd]pyrene	276		17.354					
190 Benzo[g,h,i]perylene	276		18.070					
S 191 Methyl Phenols,Total	100				0		0.9653	
S 245 Total Cresols	100				0		0.9653	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.500					1
T 235 4-isopropylphenol TIC	121		4.700					1
T 236 3-isopropylphenol TIC	121		4.700					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 231 2,3,7,8-TCDD	322		9.600					1
T 192 Octadecane (TIC)	254		9.600					
T 196 Kepone TIC	272		10.100					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 197 Hexachlorophene TIC	198		13.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

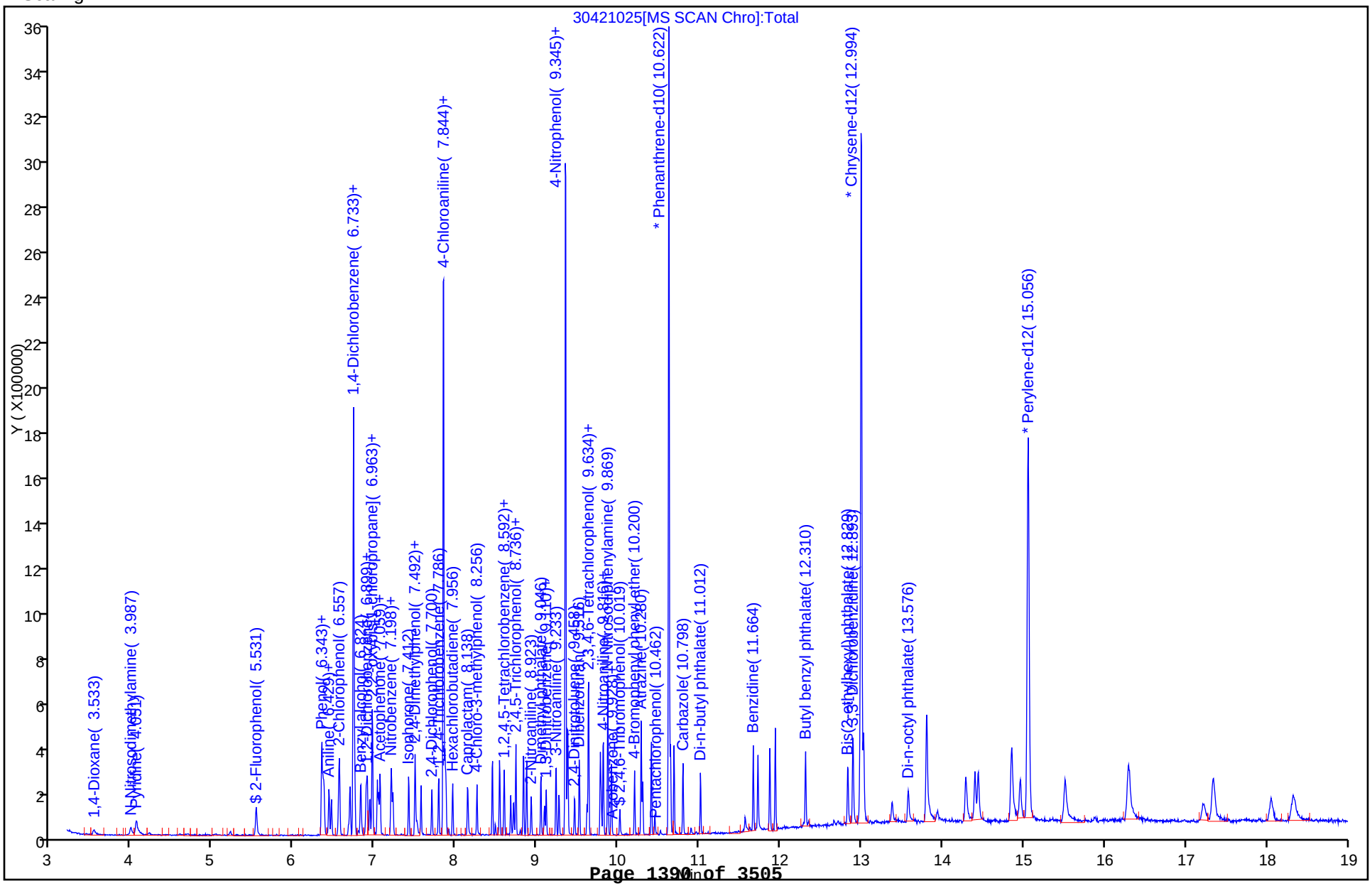
Report Date: 22-Apr-2013 09:47:11 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421025.D

Injection Date:	21-Apr-2013 21:22:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	25
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/21/2013 21:48

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua				1.07	2.00		
1,1'-Biphenyl	Ave	1.334			0.000800	1.00		
1,2,4,5-Tetrachlorobenzene	Ave	0.4596			0.000550	1.00		
1,2,4-Trichlorobenzene	Ave	0.2812			0.000800	1.00		
1,2-Dichlorobenzene	Ave	1.294			0.000800	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162			0.000800	1.00		
1,3-Dichlorobenzene	Ave	1.354			0.000800	1.00		
1,4-Dichlorobenzene	Ave	1.394			0.000800	1.00		
1,4-Dioxane	Ave	0.8157			0.000800	1.00		
1-Methylnaphthalene	Ave	0.5701			0.000100	1.00		
2,3,4,6-Tetrachlorophenol	Ave	0.2312			0.000580	1.00		
2,4,5-Trichlorophenol	Ave	0.2972			0.000800	1.00		
2,4,6-Trichlorophenol	Ave	0.2912			0.000800	1.00		
2,4-Dichlorophenol	Ave	0.2455			0.000800	1.00		
2,4-Dimethylphenol	Ave	0.3749			0.000800	1.00		
2,4-Dinitrotoluene	Ave	0.3054			0.000800	1.00		
2,6-Dinitrotoluene	Ave	0.2401			0.000800	1.00		
2-Chloronaphthalene	Ave	0.9937			0.000100	1.00		
2-Chlorophenol	Ave	1.291			0.000800	1.00		
2-Methylnaphthalene	Ave	0.6099			0.000100	1.00		
2-Methylphenol	Ave	1.428			0.000800	1.00		
2-Nitroaniline	Ave	0.4379			0.000800	1.00		
2-Nitrophenol	Ave	0.1587			0.000800	1.00		
3 & 4 Methylphenol	Ave	1.486			0.000800	1.00		
3,3'-Dichlorobenzidine	Ave	0.3046			0.000800	2.00		
3-Nitroaniline	Ave	0.2581			0.000800	1.00		
4,6-Dinitro-2-methylphenol	Lin1				0.00240	2.00		
4-Bromophenyl phenyl ether	Ave	0.1776			0.000800	1.00		
4-Chloro-3-methylphenol	Ave	0.3343			0.000800	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/21/2013 21:48

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chloroaniline	Ave	0.5086			0.000800	1.00		
4-Chlorophenyl phenyl ether	Ave	0.5480			0.000800	1.00		
4-Nitroaniline	Lin				0.000800	1.00		
4-Nitrophenol	Ave	0.2135			0.00240	2.00		
Acenaphthene	Ave	0.9699			0.000100	1.00		
Acenaphthylene	Ave	1.537			0.000100	1.00		
Acetophenone	Ave	2.373			0.000800	1.00		
Aniline	Ave	2.901			0.00240	1.00		
Anthracene	Ave	0.9760			0.000100	1.00		
Atrazine	Qua				0.000800	2.00		
Azobenzene	Ave	1.162			0.000810	1.00		
Benzaldehyde	Ave	1.740			0.000800	2.00		
Benzidine	Ave	0.3909			0.00240	2.00		
Benzo[a]anthracene	Ave	0.9456			0.000100	1.00		
Benzo[a]pyrene	Ave	1.013			0.000100	1.00		
Benzo[b]fluoranthene	Ave	1.034			0.000100	1.00		
Benzo[g,h,i]perylene	Ave	0.8490			0.000100	1.00		
Benzo[k]fluoranthene	Ave	1.172			0.000100	1.00		
Benzoic acid	Lin1				0.0100	2.00		
Benzyl alcohol	Ave	1.007			0.000800	1.00		
bis (2-chloroisopropyl) ether	Ave	1.884			0.000800	1.00		
Bis(2-chloroethoxy)methane	Ave	0.5117			0.000800	1.00		
Bis(2-chloroethyl)ether	Ave	2.012			0.000100	1.00		
Bis(2-ethylhexyl) phthalate	Ave	0.5389			0.000800	1.00		
Butyl benzyl phthalate	Ave	0.4024			0.000800	1.00		
Caprolactam	Ave	0.1089			0.000800	2.00		
Carbazole	Lin1				0.000800	1.00		
Chrysene	Ave	0.9101			0.000100	1.00		
Dibenz(a,h)anthracene	Ave	0.8370			0.000100	1.00		
Dibenzofuran	Ave	1.399			0.000100	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 04/21/2013 21:48

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diethyl phthalate	Ave	0.9697			0.000800	1.00		
Dimethyl phthalate	Ave	1.041			0.000800	1.00		
Di-n-butyl phthalate	Lin1				0.000800	1.00		
Di-n-octyl phthalate	Lin1				0.000800	1.00		
Fluoranthene	Lin				0.000100	1.00		
Fluorene	Ave	1.097			0.000100	1.00		
Hexachlorobenzene	Ave	0.1811			0.000100	1.00		
Hexachlorobutadiene	Ave	0.1665			0.000800	1.00		
Hexachlorocyclopentadiene	Ave	0.3194			0.000800	1.00		
Hexachloroethane	Ave	0.6609			0.000800	1.00		
Indeno[1,2,3-cd]pyrene	Ave	1.028			0.000100	1.00		
Isophorone	Ave	0.8841			0.000800	1.00		
Naphthalene	Ave	0.9675			0.000100	1.00		
Nitrobenzene	Ave	0.5342			0.000100	1.00		
N-Nitrosodimethylamine	Ave	1.347			0.000800	1.00		
N-Nitrosodi-n-propylamine	Ave	1.519			0.000800	1.00		
N-Nitrosodiphenylamine	Ave	0.4711			0.000800	2.00		
Pentachlorophenol	Lin1				0.00240	2.00		
Phenanthrene	Ave	0.9870			0.000100	1.00		
Phenol	Ave	2.247			0.000800	1.00		
Pyrene	Ave	0.8829			0.000100	1.00		
Pyridine	Ave	2.249			0.000800	1.00		
2,4,6-Tribromophenol (Surr)	Ave	0.1293			0.000000	1.00	0*	35-125
2-Fluorobiphenyl (Surr)	Ave	1.191			0.000000	1.00	0*	45-105
2-Fluorophenol (Surr)	Ave	1.625			0.000000	1.00	0*	35-105
Nitrobenzene-d5 (Surr)	Ave	0.5898			0.000000	1.00	0*	35-100
Phenol-d5 (Surr)	Ave	2.183			0.000000	1.00	0*	40-100
Terphenyl-d14 (Surr)	Ave	0.7168			0.000000	1.00	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421026.D
Lims ID: mdll3 Client ID:
Inject. Date: 21-Apr-2013 21:48:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0019112-026
Misc. Info.: MDLL3 =MDLL3
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 82876 Lims Sample ID: 26
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 09:47:04 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:18:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.735	6.734	0.001	96	236230	4.00	
* 2 Naphthalene-d8	136	7.841	7.845	-0.004	99	937399	4.00	
* 3 Acenaphthene-d10	164	9.348	9.352	-0.004	75	555867	4.00	
* 4 Phenanthrene-d10	188	10.624	10.623	0.001	98	923778	4.00	
* 5 Chrysene-d12	240	12.996	13.001	-0.005	79	1114509	4.00	
* 6 Perylene-d12	264	15.058	15.057	0.001	95	993693	4.00	
$ 7 2-Fluorophenol	112		5.532					
$ 8 Phenol-d5	99		6.360					
$ 9 Nitrobenzene-d5	82		7.204					
$ 10 2-Fluorobiphenyl (Surr)	172		8.738					
$ 11 2,4,6-Tribromophenol	330		10.020					
$ 12 Terphenyl-d14	244		11.937					
249 4-Chlorophenol TIC	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
244 n-Octadecane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
247 Hexadecane	57		0.000					
23 2,5-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
243 n-Decane	57		0.000					
19 Octachlorostyrene	1		0.000					
20 Dimethylformamide	73		1.920					
28 Ethyl methacrylate	69		1.926					
29 3-Chloropropionitrile	54		2.118					
31 2-Picoline	93		2.224					
32 N-Nitrosomethylethylamine	88		2.288					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
233 n,n'-Dimethylacetamide	44		2.465					
35 Acrylamide	71		2.475					
34 Methyl methanesulfonate	80		2.485					
36 N-Nitrosodiethylamine	102		2.763					
37 Ethyl methanesulfonate	79		2.961					
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
45 Pentachloroethane	167		3.340					
25 1,4-Dioxane	88		3.524					
232 1-Methyl-2-pyrrilidinone	99		3.555					
42 Phenylmercaptan	110		3.596					
56 N-Nitrosopyrrolidine	100		3.842					
59 N-Nitrosomorpholine	56		3.869					9
60 2-Toluidine	106		3.885					
26 N-Nitrosodimethylamine	74		3.983					
27 Pyridine	79		4.047					
63 N-Nitrosopiperidine	114		4.120					
67 1,3,5-Trichlorobenzene	180		4.164					
68 o,o',o''-Triethylphosphorothioat	198		4.318					
24 Catechol	110		4.410					
72 alpha,alpha-Dimethyl phenethylam	58		4.414					
80 1,2,3-Trichlorobenzene	180		4.602					
77 2,6-Dichlorophenol	162		4.628					
78 Hexachloropropene	213		4.654					
81 Benzothiazole	135		4.698					
15 3-Methylcatechol	124		4.794					
82 Quinoline	129		4.857					9
83 N-Nitrosodi-n-butylamine	84		4.884					9
85 p-Phenylene diamine	108		4.905					
14 4-Methylcatechol	124		5.036					
94 Safrole, Total	162		5.066					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
225 Isosafrole Peak 1	162		5.306					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					
227 Isosafrole Peak 2	162		5.498					
101 Phenyl ether	170		5.521					
246 1-Chloronaphthalene	162		5.578					
103 1,4-Naphthoquinone	158		5.701					
104 1,4-Dinitrobenzene	168		5.744					
108 1,2-Dinitrobenzene	168		5.777					
115 Pentachlorobenzene	250		6.161					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
117 1-Naphthylamine	143		6.257					
120 2-Naphthylamine	143		6.321					
41 Benzaldehyde	77		6.339					
43 Phenol	94		6.371					
44 Aniline	93		6.430					
122 Thionazin	97		6.433					
127 Tributyl phosphate	99		6.434					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethyl)ether	93		6.462					
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128		6.553					
130 Diphenylamine	169		6.567					
134 Sulfotepp	202		6.684					
47 1,3-Dichlorobenzene	146		6.691					
48 1,4-Dichlorobenzene	146		6.750					
135 1,3,5-Trinitrobenzene	213		6.775					
228 Diallate Peak 1	86		6.807					9
138 Phorate	121		6.812					
137 Phenacetin	108		6.818					9
49 Benzyl alcohol	108		6.825					
230 Diallate Peak 2	86		6.882					
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					
53 2,2'-oxybis[1-chloropropane]	45		6.937					
140 Dimethoate	87		6.962					9
52 Indene	115		6.964					
21 3 & 4 Methylphenol	108		7.028					
57 N-Nitrosodi-n-propylamine	70		7.044					
58 Acetophenone	105		7.060					
129 4-Aminobiphenyl	169		7.101					
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117		7.194					
62 Nitrobenzene	77		7.220					
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					9
64 Isophorone	82		7.418					
65 2,4-Dimethylphenol	107		7.493					
66 2-Nitrophenol	139		7.498					
71 Benzoic acid	122		7.546					
152 Methyl parathion	109		7.566					9
70 Bis(2-chloroethoxy)methane	93		7.568					
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162		7.701					
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128		7.861					
76 4-Chloroaniline	127		7.872					
155 Ethyl Parathion	97		7.892					9
156 4-Nitroquinoline-1-oxide	190		7.934					9
79 Hexachlorobutadiene	225		7.958					
157 Methapyrilene	58		7.982					
84 Caprolactam	113		8.161					
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107		8.262					
87 2-Methylnaphthalene	142		8.449					
88 1-Methylnaphthalene	142		8.535					
226 Aramite Peak 1	185		8.565					9
89 Hexachlorocyclopentadiene	237		8.588					
91 1,2,4,5-Tetrachlorobenzene	216		8.593					
229 Aramite Peak 2	185		8.629					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
92 2,4,6-Trichlorophenol	196		8.673					
93 2,4,5-Trichlorophenol	196		8.711					
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					
98 1,1'-Biphenyl	154		8.834					
100 2-Chloronaphthalene	162		8.871					
102 2-Nitroaniline	65		8.924					
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163		9.047					
106 1,3-Dinitrobenzene	168		9.090					
107 2,6-Dinitrotoluene	165		9.111					
171 2-Acetylaminofluorene	181		9.211					
109 Acenaphthylene	152		9.234					
110 3-Nitroaniline	138		9.272					
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184	9.353	9.357	-0.004	13	2898	1.07	
113 4-Nitrophenol	109		9.373					
112 Acenaphthene	153		9.379					
176 Hexabromobenzene	232		9.394					
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
114 2,4-Dinitrotoluene	165		9.464					
116 Dibenzofuran	168		9.523					
119 2,3,4,6-Tetrachlorophenol	232		9.614					
121 Diethyl phthalate	149		9.640					
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					
126 Fluorene	166		9.817					
128 4,6-Dinitro-2-methylphenol	198		9.822					
131 N-Nitrosodiphenylamine	169		9.875					
179 6-Methylchrysene	242		9.890					
133 Azobenzene	77		9.918					
132 1,2-Diphenylhydrazine	77		9.918					
139 4-Bromophenyl phenyl ether	248		10.201					
142 Atrazine	200		10.287					
141 Hexachlorobenzene	284		10.303					
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
143 Pentachlorophenol	266		10.452					
148 Phenanthrene	178		10.645					
149 Anthracene	178		10.687					
150 DFTPP								
151 Carbazole	167		10.800					
154 Di-n-butyl phthalate	149		11.013					
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202		11.665					
160 Benzidine	184		11.724					
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202		11.873					
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.174					
168 Butyl benzyl phthalate	149		12.311					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.452					
173 Bis(2-ethylhexyl) phthalate	149		12.830					
175 3,3'-Dichlorobenzidine	252		12.899					
177 Benzo[a]anthracene	228		12.985					
178 Chrysene	228		13.027					
180 Di-n-octyl phthalate	149		13.577					
182 Benzo[b]fluoranthene	252		14.406					
183 Benzo[k]fluoranthene	252		14.448					
184 Benzo[a]pyrene	252		14.966					
189 Dibenz(a,h)anthracene	278		17.354					
188 Indeno[1,2,3-cd]pyrene	276		17.354					
190 Benzo[g,h,i]perylene	276		18.070					
S 191 Methyl Phenols,Total	100		0.000					7
S 245 Total Cresols	100		0.000					
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.500					1
T 235 4-isopropylphenol TIC	121		4.700					1
T 236 3-isopropylphenol TIC	121		4.700					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 231 2,3,7,8-TCDD	322		9.600					1
T 192 Octadecane (TIC)	254		9.600					
T 196 Kepone TIC	272		10.100					
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 197 Hexachlorophene TIC	198		13.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

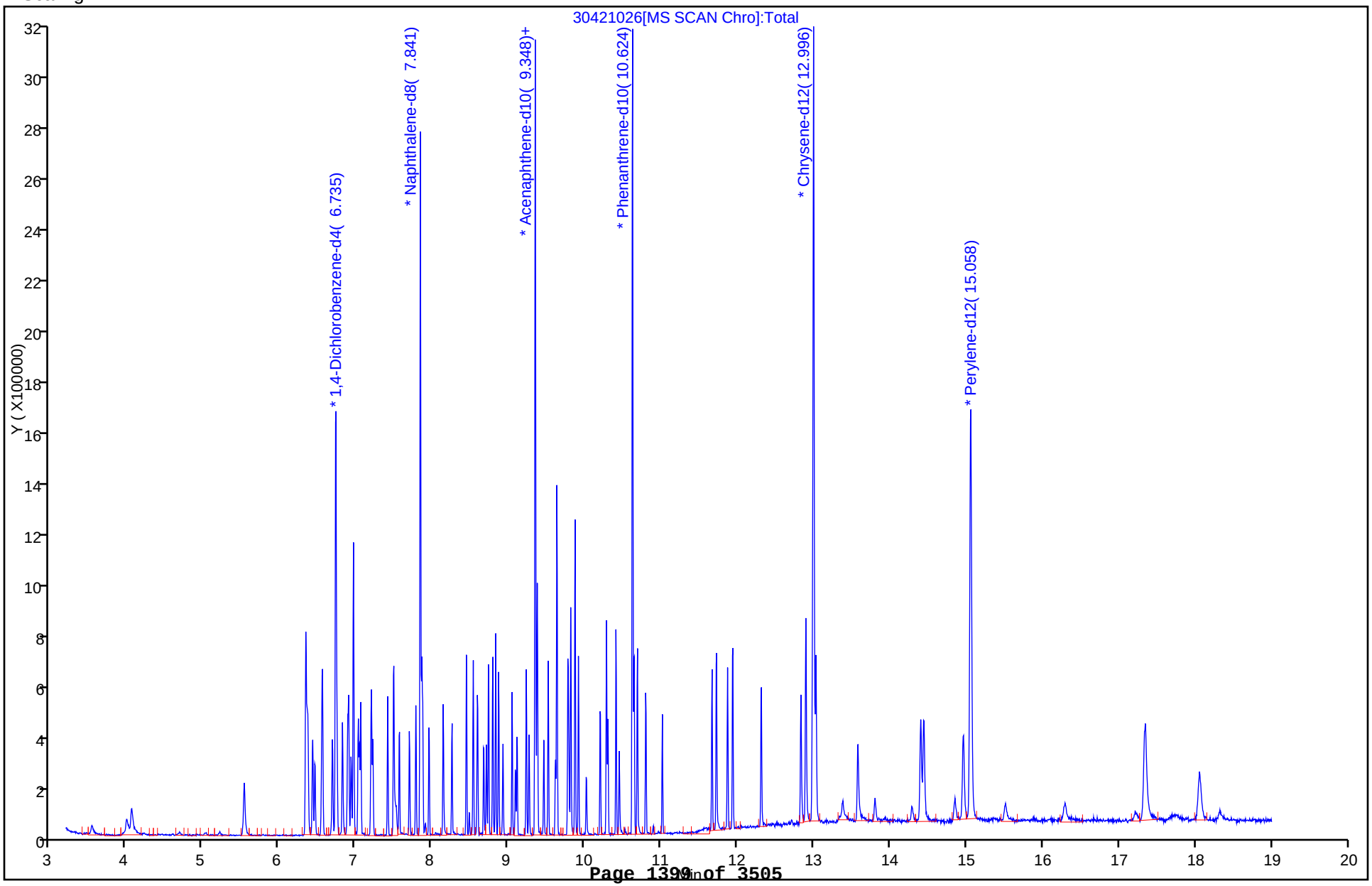
Report Date: 22-Apr-2013 09:47:11 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421026.D

Injection Date:	21-Apr-2013 21:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	26
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 04/21/2013 22:14

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua				1.86	4.00		
1,1'-Biphenyl	Ave	1.334			0.000800	2.00		
1,2,4,5-Tetrachlorobenzene	Ave	0.4596			0.000550	2.00		
1,2,4-Trichlorobenzene	Ave	0.2812			0.000800	2.00		
1,2-Dichlorobenzene	Ave	1.294			0.000800	2.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162			0.000800	2.00		
1,3-Dichlorobenzene	Ave	1.354			0.000800	2.00		
1,4-Dichlorobenzene	Ave	1.394			0.000800	2.00		
1,4-Dioxane	Ave	0.8157			0.000800	2.00		
1-Methylnaphthalene	Ave	0.5701			0.000100	2.00		
2,3,4,6-Tetrachlorophenol	Ave	0.2312			0.000580	2.00		
2,4,5-Trichlorophenol	Ave	0.2972			0.000800	2.00		
2,4,6-Trichlorophenol	Ave	0.2912			0.000800	2.00		
2,4-Dichlorophenol	Ave	0.2455			0.000800	2.00		
2,4-Dimethylphenol	Ave	0.3749			0.000800	2.00		
2,4-Dinitrotoluene	Ave	0.3054			0.000800	2.00		
2,6-Dinitrotoluene	Ave	0.2401			0.000800	2.00		
2-Chloronaphthalene	Ave	0.9937			0.000100	2.00		
2-Chlorophenol	Ave	1.291			0.000800	2.00		
2-Methylnaphthalene	Ave	0.6099			0.000100	2.00		
2-Methylphenol	Ave	1.428			0.000800	2.00		
2-Nitroaniline	Ave	0.4379			0.000800	2.00		
2-Nitrophenol	Ave	0.1587			0.000800	2.00		
3 & 4 Methylphenol	Ave	1.486			0.000800	2.00		
3,3'-Dichlorobenzidine	Ave	0.3046			0.000800	4.00		
3-Nitroaniline	Ave	0.2581			0.000800	2.00		
4,6-Dinitro-2-methylphenol	Lin1				0.00240	4.00		
4-Bromophenyl phenyl ether	Ave	0.1776			0.000800	2.00		
4-Chloro-3-methylphenol	Ave	0.3343			0.000800	2.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 04/21/2013 22:14

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chloroaniline	Ave	0.5086			0.000800	2.00		
4-Chlorophenyl phenyl ether	Ave	0.5480			0.000800	2.00		
4-Nitroaniline	Lin				0.000800	2.00		
4-Nitrophenol	Ave	0.2135			0.00240	4.00		
Acenaphthene	Ave	0.9699			0.000100	2.00		
Acenaphthylene	Ave	1.537			0.000100	2.00		
Acetophenone	Ave	2.373			0.000800	2.00		
Aniline	Ave	2.901			0.00240	2.00		
Anthracene	Ave	0.9760			0.000100	2.00		
Atrazine	Qua				0.000800	4.00		
Azobenzene	Ave	1.162			0.000810	2.00		
Benzaldehyde	Ave	1.740			0.000800	4.00		
Benzidine	Ave	0.3909			0.00240	4.00		
Benzo[a]anthracene	Ave	0.9456			0.000100	2.00		
Benzo[a]pyrene	Ave	1.013			0.000100	2.00		
Benzo[b]fluoranthene	Ave	1.034			0.000100	2.00		
Benzo[g,h,i]perylene	Ave	0.8490			0.000100	2.00		
Benzo[k]fluoranthene	Ave	1.172			0.000100	2.00		
Benzoic acid	Lin1				0.0100	4.00		
Benzyl alcohol	Ave	1.007			0.000800	2.00		
bis (2-chloroisopropyl) ether	Ave	1.884			0.000800	2.00		
Bis(2-chloroethoxy)methane	Ave	0.5117			0.000800	2.00		
Bis(2-chloroethyl)ether	Ave	2.012			0.000100	2.00		
Bis(2-ethylhexyl) phthalate	Ave	0.5389			0.000800	2.00		
Butyl benzyl phthalate	Ave	0.4024			0.000800	2.00		
Caprolactam	Ave	0.1089			0.000800	4.00		
Carbazole	Lin1				0.000800	2.00		
Chrysene	Ave	0.9101			0.000100	2.00		
Dibenz(a,h)anthracene	Ave	0.8370			0.000100	2.00		
Dibenzofuran	Ave	1.399			0.000100	2.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 04/21/2013 22:14

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30421027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diethyl phthalate	Ave	0.9697			0.000800	2.00		
Dimethyl phthalate	Ave	1.041			0.000800	2.00		
Di-n-butyl phthalate	Lin1				0.000800	2.00		
Di-n-octyl phthalate	Lin1				0.000800	2.00		
Fluoranthene	Lin				0.000100	2.00		
Fluorene	Ave	1.097			0.000100	2.00		
Hexachlorobenzene	Ave	0.1811			0.000100	2.00		
Hexachlorobutadiene	Ave	0.1665			0.000800	2.00		
Hexachlorocyclopentadiene	Ave	0.3194			0.000800	2.00		
Hexachloroethane	Ave	0.6609			0.000800	2.00		
Indeno[1,2,3-cd]pyrene	Ave	1.028			0.000100	2.00		
Isophorone	Ave	0.8841			0.000800	2.00		
Naphthalene	Ave	0.9675			0.000100	2.00		
Nitrobenzene	Ave	0.5342			0.000100	2.00		
N-Nitrosodimethylamine	Ave	1.347			0.000800	2.00		
N-Nitrosodi-n-propylamine	Ave	1.519			0.000800	2.00		
N-Nitrosodiphenylamine	Ave	0.4711			0.000800	4.00		
Pentachlorophenol	Lin1				0.00240	4.00		
Phenanthrene	Ave	0.9870			0.000100	2.00		
Phenol	Ave	2.247			0.000800	2.00		
Pyrene	Ave	0.8829			0.000100	2.00		
Pyridine	Ave	2.249			0.000800	2.00		
2,4,6-Tribromophenol (Surr)	Ave	0.1293			0.000000	2.00	0*	35-125
2-Fluorobiphenyl (Surr)	Ave	1.191			0.000000	2.00	0*	45-105
2-Fluorophenol (Surr)	Ave	1.625			0.000000	2.00	0*	35-105
Nitrobenzene-d5 (Surr)	Ave	0.5898			0.000000	2.00	0*	35-100
Phenol-d5 (Surr)	Ave	2.183			0.000000	2.00	0*	40-100
Terphenyl-d14 (Surr)	Ave	0.7168			0.000000	2.00	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421027.D
Lims ID: mdll4 Client ID:
Inject. Date: 21-Apr-2013 22:14:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0019112-027
Misc. Info.: MDLL4 =MDLL4
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 82876 Lims Sample ID: 27
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 09:47:04 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:21:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.734	6.734	0.0	95	226575	4.00	
* 2 Naphthalene-d8	136	7.840	7.845	-0.005	98	940468	4.00	
* 3 Acenaphthene-d10	164	9.346	9.352	-0.006	86	563432	4.00	
* 4 Phenanthrene-d10	188	10.623	10.623	0.0	93	927196	4.00	
* 5 Chrysene-d12	240	12.995	13.001	-0.006	80	1156204	4.00	
* 6 Perylene-d12	264	15.057	15.057	0.0	94	1023936	4.00	
$ 7 2-Fluorophenol	112		5.532					
$ 8 Phenol-d5	99		6.360					
$ 9 Nitrobenzene-d5	82		7.204					
$ 10 2-Fluorobiphenyl (Surr)	172		8.738					
$ 11 2,4,6-Tribromophenol	330		10.020					
$ 12 Terphenyl-d14	244		11.937					
249 4-Chlorophenol TIC	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
244 n-Octadecane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
247 Hexadecane	57		0.000					
23 2,5-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
243 n-Decane	57		0.000					
19 Octachlorostyrene	1		0.000					
20 Dimethylformamide	73		1.920					
28 Ethyl methacrylate	69		1.926					
29 3-Chloropropionitrile	54		2.118					
31 2-Picoline	93		2.224					
32 N-Nitrosomethylethylamine	88		2.288					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
233 n,n'-Dimethylacetamide	44		2.465					
35 Acrylamide	71		2.475					
34 Methyl methanesulfonate	80		2.485					
36 N-Nitrosodiethylamine	102		2.763					
37 Ethyl methanesulfonate	79		2.961					
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
45 Pentachloroethane	167		3.340					
25 1,4-Dioxane	88		3.524					
232 1-Methyl-2-pyrrilidinone	99		3.555					
42 Phenylmercaptan	110		3.596					
56 N-Nitrosopyrrolidine	100		3.842					
59 N-Nitrosomorpholine	56		3.869					
60 2-Toluidine	106		3.885					
26 N-Nitrosodimethylamine	74		3.983					
27 Pyridine	79		4.047					
63 N-Nitrosopiperidine	114		4.120					
67 1,3,5-Trichlorobenzene	180		4.164					
68 o,o',o''-Triethylphosphorothioat	198		4.318					
24 Catechol	110		4.410					
72 alpha,alpha-Dimethyl phenethylam	58		4.414					
80 1,2,3-Trichlorobenzene	180		4.602					
77 2,6-Dichlorophenol	162		4.628					
78 Hexachloropropene	213		4.654					
81 Benzothiazole	135		4.698					
15 3-Methylcatechol	124		4.794					
82 Quinoline	129		4.857					9
83 N-Nitrosodi-n-butylamine	84		4.884					9
85 p-Phenylene diamine	108		4.905					
14 4-Methylcatechol	124		5.036					
94 Safrole, Total	162		5.066					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
225 Isosafrole Peak 1	162		5.306					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					
227 Isosafrole Peak 2	162		5.498					
101 Phenyl ether	170		5.521					
246 1-Chloronaphthalene	162		5.578					
103 1,4-Naphthoquinone	158		5.701					
104 1,4-Dinitrobenzene	168		5.744					
108 1,2-Dinitrobenzene	168		5.777					
115 Pentachlorobenzene	250		6.161					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
117 1-Naphthylamine	143		6.257					
120 2-Naphthylamine	143		6.321					
41 Benzaldehyde	77		6.339					
43 Phenol	94		6.371					
44 Aniline	93		6.430					
122 Thionazin	97		6.433					
127 Tributyl phosphate	99		6.434					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethyl)ether	93		6.462					
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128		6.553					
130 Diphenylamine	169		6.567					
134 Sulfotepp	202		6.684					
47 1,3-Dichlorobenzene	146		6.691					
48 1,4-Dichlorobenzene	146		6.750					
135 1,3,5-Trinitrobenzene	213		6.775					
228 Diallate Peak 1	86		6.807					9
138 Phorate	121		6.812					
137 Phenacetin	108		6.818					
49 Benzyl alcohol	108		6.825					
230 Diallate Peak 2	86		6.882					
50 1,2-Dichlorobenzene	146		6.889					
51 2-Methylphenol	108		6.905					
53 2,2'-oxybis[1-chloropropane]	45		6.937					
140 Dimethoate	87		6.962					9
52 Indene	115		6.964					
21 3 & 4 Methylphenol	108		7.028					
57 N-Nitrosodi-n-propylamine	70		7.044					
58 Acetophenone	105		7.060					
129 4-Aminobiphenyl	169		7.101					
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117		7.194					
62 Nitrobenzene	77		7.220					
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					
64 Isophorone	82		7.418					
65 2,4-Dimethylphenol	107		7.493					
66 2-Nitrophenol	139		7.498					
71 Benzoic acid	122		7.546					
152 Methyl parathion	109		7.566					9
70 Bis(2-chloroethoxy)methane	93		7.568					
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162		7.701					
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128		7.861					
76 4-Chloroaniline	127		7.872					
155 Ethyl Parathion	97		7.892					9
156 4-Nitroquinoline-1-oxide	190		7.934					9
79 Hexachlorobutadiene	225		7.958					
157 Methapyrilene	58		7.982					
84 Caprolactam	113		8.161					
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107		8.262					
87 2-Methylnaphthalene	142		8.449					
88 1-Methylnaphthalene	142		8.535					
226 Aramite Peak 1	185		8.565					9
89 Hexachlorocyclopentadiene	237		8.588					
91 1,2,4,5-Tetrachlorobenzene	216		8.593					
229 Aramite Peak 2	185		8.629					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
92 2,4,6-Trichlorophenol	196		8.673					
93 2,4,5-Trichlorophenol	196		8.711					
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154		8.834					
100 2-Chloronaphthalene	162		8.871					
102 2-Nitroaniline	65		8.924					
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163		9.047					
106 1,3-Dinitrobenzene	168		9.090					
107 2,6-Dinitrotoluene	165		9.111					
171 2-Acetylaminofluorene	181		9.211					
109 Acenaphthylene	152		9.234					
110 3-Nitroaniline	138		9.272					
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184	9.357	9.357	0.0	52	18589	1.86	
113 4-Nitrophenol	109		9.373					
112 Acenaphthene	153		9.379					
176 Hexabromobenzene	232		9.394					
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
114 2,4-Dinitrotoluene	165		9.464					
116 Dibenzofuran	168		9.523					
119 2,3,4,6-Tetrachlorophenol	232		9.614					
121 Diethyl phthalate	149		9.640					
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					
126 Fluorene	166		9.817					
128 4,6-Dinitro-2-methylphenol	198		9.822					
131 N-Nitrosodiphenylamine	169		9.875					
179 6-Methylchrysene	242		9.890					
133 Azobenzene	77		9.918					
132 1,2-Diphenylhydrazine	77		9.918					
139 4-Bromophenyl phenyl ether	248		10.201					
142 Atrazine	200		10.287					
141 Hexachlorobenzene	284		10.303					
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
143 Pentachlorophenol	266		10.452					
148 Phenanthrene	178		10.645					
149 Anthracene	178		10.687					
150 DFTPP								
151 Carbazole	167		10.800					
154 Di-n-butyl phthalate	149		11.013					
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202		11.665					
160 Benzidine	184		11.724					
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202		11.873					
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.174					
168 Butyl benzyl phthalate	149		12.311					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.452					
173 Bis(2-ethylhexyl) phthalate	149		12.830					
175 3,3'-Dichlorobenzidine	252		12.899					
177 Benzo[a]anthracene	228		12.985					
178 Chrysene	228		13.027					
180 Di-n-octyl phthalate	149		13.577					
182 Benzo[b]fluoranthene	252		14.406					
183 Benzo[k]fluoranthene	252		14.448					
184 Benzo[a]pyrene	252		14.966					
189 Dibenz(a,h)anthracene	278		17.354					
188 Indeno[1,2,3-cd]pyrene	276		17.354					
190 Benzo[g,h,i]perylene	276		18.070					
S 191 Methyl Phenols,Total	100		0.000					7
S 245 Total Cresols	100		0.000					
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.500					1
T 235 4-isopropylphenol TIC	121		4.700					1
T 236 3-isopropylphenol TIC	121		4.700					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 231 2,3,7,8-TCDD	322		9.600					1
T 192 Octadecane (TIC)	254		9.600					
T 196 Kepone TIC	272		10.100					
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 197 Hexachlorophene TIC	198		13.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

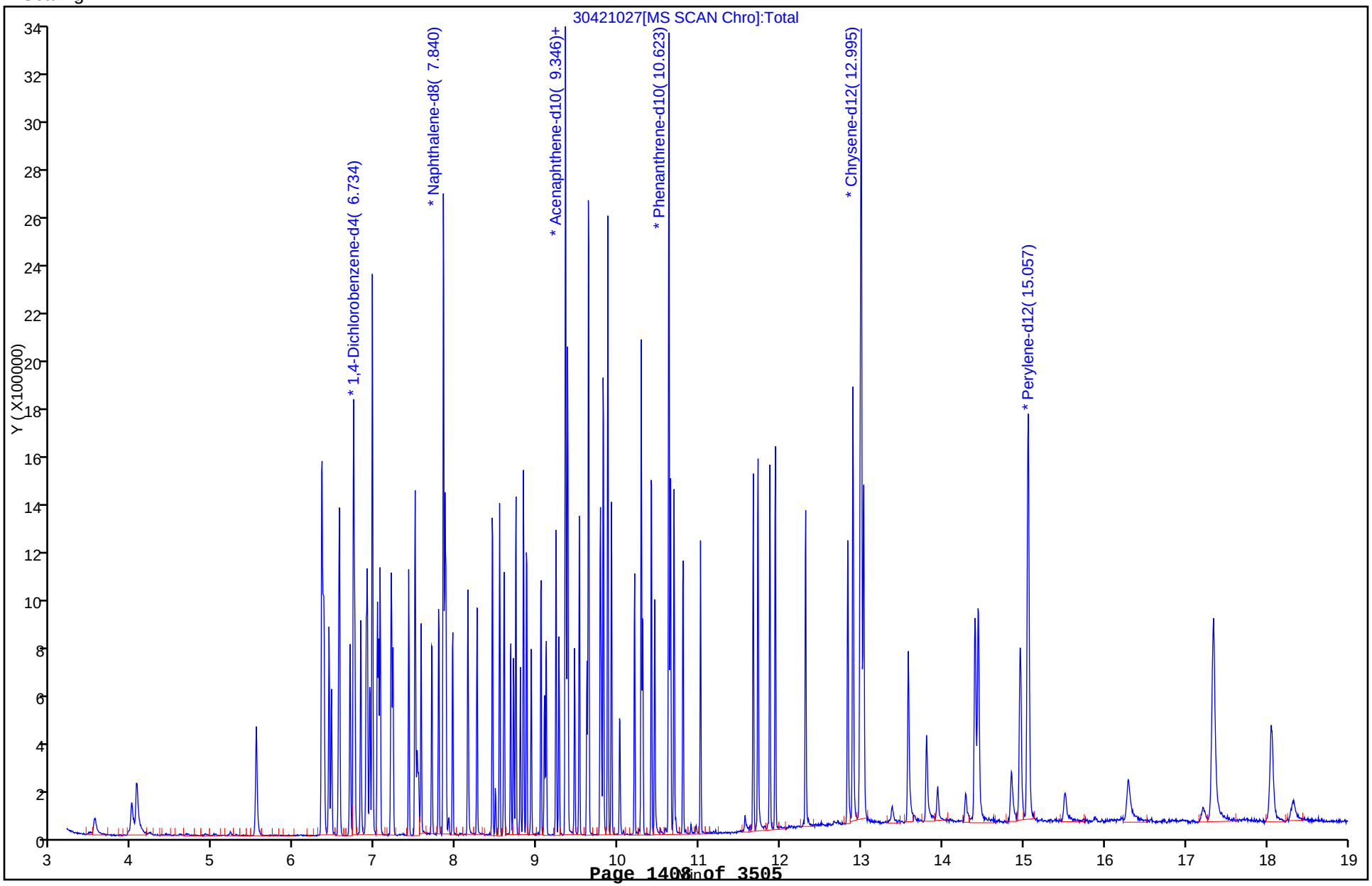
Report Date: 22-Apr-2013 09:47:12 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421027.D

Injection Date:	21-Apr-2013 22:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	27
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82940/2 Calibration Date: 04/22/2013 09:33

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30422002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8157	0.8313		10.2	10.0	1.9	
N-Nitrosodimethylamine	Ave	1.347	1.343		9.97	10.0	-0.3	
Pyridine	Ave	2.249	2.207		9.81	10.0	-1.9	
Benzaldehyde	Ave	1.740	1.715		19.7	20.0	-1.4	
Phenol	Ave	2.247	2.183		9.71	10.0	-2.9	
Aniline	Ave	2.901	2.850		9.83	10.0	-1.7	
Bis(2-chloroethyl)ether	Ave	2.012	2.001		9.94	10.0	-0.6	
2-Chlorophenol	Ave	1.291	1.282		9.93	10.0	-0.7	
1,3-Dichlorobenzene	Ave	1.354	1.360		10.0	10.0	0.4	
1,4-Dichlorobenzene	Ave	1.394	1.359		9.75	10.0	-2.5	
Benzyl alcohol	Ave	1.007	0.9920		9.85	10.0	-1.5	
1,2-Dichlorobenzene	Ave	1.294	1.306		10.1	10.0	0.9	
2-Methylphenol	Ave	1.428	1.438		10.1	10.0	0.7	
bis (2-chloroisopropyl) ether	Ave	1.884	1.861		9.88	10.0	-1.2	
3 & 4 Methylphenol	Ave	1.486	1.499		10.1	10.0	0.9	
N-Nitrosodi-n-propylamine	Ave	1.519	1.537		10.1	10.0	1.2	
Acetophenone	Ave	2.373	2.355		9.92	10.0	-0.8	
Hexachloroethane	Ave	0.6609	0.6616		10.0	10.0	0.1	
Nitrobenzene	Ave	0.5342	0.5293		9.91	10.0	-0.9	
Isophorone	Ave	0.8841	0.8998		10.2	10.0	1.8	
2,4-Dimethylphenol	Ave	0.3749	0.3745		9.99	10.0	-0.1	
2-Nitrophenol	Ave	0.1587	0.1634		10.3	10.0	2.9	
Benzoic acid	Lin1		0.1930		19.5	20.0	-2.4	
Bis(2-chloroethoxy)methane	Ave	0.5117	0.5229		10.2	10.0	2.2	
2,4-Dichlorophenol	Ave	0.2455	0.2541		10.4	10.0	3.5	
1,2,4-Trichlorobenzene	Ave	0.2812	0.2824		10.0	10.0	0.4	
Naphthalene	Ave	0.9675	0.9403		9.72	10.0	-2.8	
4-Chloroaniline	Ave	0.5086	0.5138		10.1	10.0	1.0	
Hexachlorobutadiene	Ave	0.1665	0.1688		10.1	10.0	1.4	
Caprolactam	Ave	0.1089	0.1083		19.9	20.0	-0.6	
4-Chloro-3-methylphenol	Ave	0.3343	0.3359		10.0	10.0	0.5	
2-Methylnaphthalene	Ave	0.6099	0.6073		9.96	10.0	-0.4	
1-Methylnaphthalene	Ave	0.5701	0.5599		9.82	10.0	-1.8	
Hexachlorocyclopentadiene	Ave	0.3194	0.3246		10.2	10.0	1.6	
1,2,4,5-Tetrachlorobenzene	Ave	0.4596	0.4492		9.78	10.0	-2.2	
2,4,6-Trichlorophenol	Ave	0.2912	0.2968		10.2	10.0	1.9	
2,4,5-Trichlorophenol	Ave	0.2972	0.3088		10.4	10.0	3.9	
1,1'-Biphenyl	Ave	1.334	1.274		9.55	10.0	-4.5	
2-Chloronaphthalene	Ave	0.9937	0.9553		9.61	10.0	-3.9	
2-Nitroaniline	Ave	0.4379	0.4590		10.5	10.0	4.8	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82940/2 Calibration Date: 04/22/2013 09:33

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30422002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.041	1.048		10.1	10.0	0.7	
2,6-Dinitrotoluene	Ave	0.2401	0.2527		10.5	10.0	5.3	
Acenaphthylene	Ave	1.537	1.534		9.98	10.0	-0.2	
3-Nitroaniline	Ave	0.2581	0.2527		9.79	10.0	-2.1	
2,4-Dinitrophenol	Qua		0.1466		19.4	20.0	-2.8	
4-Nitrophenol	Ave	0.2135	0.2206		20.7	20.0	3.3	
Acenaphthene	Ave	0.9699	0.9634		9.93	10.0	-0.7	
2,4-Dinitrotoluene	Ave	0.3054	0.2976		9.74	10.0	-2.6	
Dibenzofuran	Ave	1.399	1.358		9.71	10.0	-2.9	
2,3,4,6-Tetrachlorophenol	Ave	0.2312	0.2350		10.2	10.0	1.7	
Diethyl phthalate	Ave	0.9697	0.8684		8.95	10.0	-10.5	
4-Chlorophenyl phenyl ether	Ave	0.5480	0.5558		10.1	10.0	1.4	
4-Nitroaniline	Lin		0.2825		9.50	10.0	-5.0	
Fluorene	Ave	1.097	1.082		9.87	10.0	-1.3	
4,6-Dinitro-2-methylphenol	Lin1		0.1429		20.1	20.0	0.6	
N-Nitrosodiphenylamine	Ave	0.4711	0.4662		19.8	20.0	-1.1	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.162	1.241		10.7	10.0	6.8	
Azobenzene	Ave	1.162	1.241		10.7	10.0	6.8	
4-Bromophenyl phenyl ether	Ave	0.1776	0.1827		10.3	10.0	2.9	
Atrazine	Qua		0.2076		20.2	20.0	0.8	
Hexachlorobenzene	Ave	0.1811	0.1944		10.7	10.0	7.3	
Pentachlorophenol	Lin1		0.1241		20.2	20.0	1.1	
Phenanthrene	Ave	0.9870	0.9422		9.55	10.0	-4.5	
Anthracene	Ave	0.9760	0.9817		10.1	10.0	0.6	
Carbazole	Lin1		0.9932		10.2	10.0	2.1	
Di-n-butyl phthalate	Lin1		1.260		10.4	10.0	4.2	
Fluoranthene	Lin		1.267		10.6	10.0	5.9	
Benzidine	Ave	0.3909	0.3822		19.6	20.0	-2.2	
Pyrene	Ave	0.8829	0.9582		10.9	10.0	8.5	
Butyl benzyl phthalate	Ave	0.4024	0.4143		10.3	10.0	3.0	
Bis(2-ethylhexyl) phthalate	Ave	0.5389	0.5744		10.7	10.0	6.6	
3,3'-Dichlorobenzidine	Ave	0.3046	0.3228		21.2	20.0	6.0	
Benzo[a]anthracene	Ave	0.9456	0.9304		9.84	10.0	-1.6	
Chrysene	Ave	0.9101	0.8950		9.83	10.0	-1.7	
Di-n-octyl phthalate	Lin1		1.218		9.08	10.0	-9.2	
Benzo[b]fluoranthene	Ave	1.034	1.106		10.7	10.0	7.0	
Benzo[k]fluoranthene	Ave	1.172	1.134		9.67	10.0	-3.3	
Benzo[a]pyrene	Ave	1.013	1.037		10.2	10.0	2.4	
Indeno[1,2,3-cd]pyrene	Ave	1.028	1.049		10.2	10.0	2.0	
Dibenz(a,h)anthracene	Ave	0.8370	0.8759		10.5	10.0	4.6	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82940/2 Calibration Date: 04/22/2013 09:33

Instrument ID: A4HP9 Calib Start Date: 04/19/2013 10:42

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 04/19/2013 14:12

Lab File ID: 30422002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.8490	0.8675		10.2	10.0	2.2	
2-Fluorophenol (Surr)	Ave	1.625	1.584		9.75	10.0	-2.5	
Phenol-d5 (Surr)	Ave	2.183	2.124		9.73	10.0	-2.7	
Nitrobenzene-d5 (Surr)	Ave	0.5898	0.5796		9.83	10.0	-1.7	
2-Fluorobiphenyl (Surr)	Ave	1.191	1.140		9.57	10.0	-4.3	
2,4,6-Tribromophenol (Surr)	Ave	0.1293	0.1214		9.39	10.0	-6.1	
Terphenyl-d14 (Surr)	Ave	0.7168	0.6964		9.71	10.0	-2.9	

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422002.D
Lims ID: ccv tcl
Client ID:
Inject. Date: 22-Apr-2013 09:33:30
Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019128-002
Misc. Info.: CCV TCL =CCV TCL
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 2
Lims Batch ID: 82940
Lims Sample ID: 2
Sublist: chrom-8270 _9*sub23
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\8270 _9.m
Last Update: 22-Apr-2013 15:21:33
Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm
Date: 22-Apr-2013 09:58:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.717	6.717	0.0	90	177232	4.00	
* 2 Naphthalene-d8	136	7.828	7.828	0.0	99	735286	4.00	
* 3 Acenaphthene-d10	164	9.335	9.335	0.0	82	439002	4.00	
* 4 Phenanthrene-d10	188	10.606	10.606	0.0	94	644918	4.00	
* 5 Chrysene-d12	240	12.978	12.978	0.0	77	881768	4.00	
* 6 Perylene-d12	264	15.019	15.019	0.0	97	705201	4.00	
$ 7 2-Fluorophenol	112	5.510	5.510	0.0	95	702021	9.75	
$ 8 Phenol-d5	99	6.343	6.343	0.0	94	941249	9.73	
$ 9 Nitrobenzene-d5	82	7.187	7.187	0.0	85	1065483	9.83	
$ 10 2-Fluorobiphenyl (Surr)	172	8.721	8.721	0.0	99	1250699	9.57	
$ 11 2,4,6-Tribromophenol	330	10.003	10.003	0.0	86	133260	9.39	
$ 12 Terphenyl-d14	244	11.921	11.921	0.0	98	1535039	9.71	
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
243 n-Decane	57		0.000					
25 1,4-Dioxane	88	3.469	3.469	0.0	92	368338	10.2	M
26 N-Nitrosodimethylamine	74	3.939	3.939	0.0	85	595092	9.97	
27 Pyridine	79	4.003	4.003	0.0	93	978031	9.81	
41 Benzaldehyde	77	6.322	6.322	0.0	84	1519907	19.7	
43 Phenol	94	6.354	6.354	0.0	86	967032	9.71	
44 Aniline	93	6.413	6.413	0.0	94	1262956	9.83	
69 Bis(2-chloroethyl)ether	93	6.445	6.445	0.0	95	886505	9.94	
46 2-Chlorophenol	128	6.530	6.530	0.0	90	567918	9.93	
47 1,3-Dichlorobenzene	146	6.675	6.675	0.0	86	602373	10.0	
48 1,4-Dichlorobenzene	146	6.733	6.733	0.0	86	602042	9.75	
49 Benzyl alcohol	108	6.808	6.808	0.0	85	439552	9.85	
50 1,2-Dichlorobenzene	146	6.872	6.872	0.0	81	578491	10.1	
51 2-Methylphenol	108	6.888	6.888	0.0	94	636935	10.1	
53 2,2'-oxybis[1-chloropropane]	45	6.920	6.920	0.0	96	824687	9.88	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
52 Indene	115	6.947	6.947	0.0	70	2307984	19.7	
21 3 & 4 Methylphenol	108	7.011	7.011	0.0	92	663968	10.1	
57 N-Nitrosodi-n-propylamine	70	7.027	7.027	0.0	75	681133	10.1	
58 Acetophenone	105	7.043	7.043	0.0	78	1043331	9.92	
61 Hexachloroethane	117	7.177	7.177	0.0	89	293142	10.0	
62 Nitrobenzene	77	7.203	7.203	0.0	75	972920	9.91	
64 Isophorone	82	7.401	7.401	0.0	96	1653979	10.2	
65 2,4-Dimethylphenol	107	7.476	7.476	0.0	93	688473	9.99	
66 2-Nitrophenol	139	7.481	7.481	0.0	85	300273	10.3	
71 Benzoic acid	122	7.529	7.529	0.0	75	709441	19.5	
70 Bis(2-chloroethoxy)methane	93	7.551	7.551	0.0	94	961104	10.2	
73 2,4-Dichlorophenol	162	7.684	7.684	0.0	94	467072	10.4	
74 1,2,4-Trichlorobenzene	180	7.770	7.770	0.0	84	519162	10.0	
75 Naphthalene	128	7.844	7.844	0.0	99	1728404	9.72	
76 4-Chloroaniline	127	7.861	7.861	0.0	79	944518	10.1	
79 Hexachlorobutadiene	225	7.941	7.941	0.0	91	310290	10.1	
84 Caprolactam	113	8.144	8.144	0.0	81	398146	19.9	
86 4-Chloro-3-methylphenol	107	8.245	8.245	0.0	84	617522	10.0	
87 2-Methylnaphthalene	142	8.432	8.432	0.0	86	1116387	9.96	
88 1-Methylnaphthalene	142	8.523	8.523	0.0	80	1029145	9.82	
89 Hexachlorocyclopentadiene	237	8.571	8.571	0.0	97	356211	10.2	
91 1,2,4,5-Tetrachlorobenzene	216	8.576	8.576	0.0	92	493036	9.78	
92 2,4,6-Trichlorophenol	196	8.656	8.656	0.0	91	325760	10.2	
93 2,4,5-Trichlorophenol	196	8.694	8.694	0.0	88	338950	10.4	
98 1,1'-Biphenyl	154	8.817	8.817	0.0	95	1398126	9.55	
100 2-Chloronaphthalene	162	8.854	8.854	0.0	98	1048469	9.61	
102 2-Nitroaniline	65	8.913	8.913	0.0	72	503782	10.5	
105 Dimethyl phthalate	163	9.030	9.030	0.0	94	1150700	10.1	
106 1,3-Dinitrobenzene	168	9.073	9.073	0.0	80	194698	10.5	
107 2,6-Dinitrotoluene	165	9.095	9.095	0.0	61	277375	10.5	
109 Acenaphthylene	152	9.217	9.217	0.0	86	1684087	9.98	
110 3-Nitroaniline	138	9.255	9.255	0.0	86	277333	9.79	
111 2,4-Dinitrophenol	184	9.340	9.340	0.0	71	321762	19.4	
113 4-Nitrophenol	109	9.356	9.356	0.0	85	484106	20.7	
112 Acenaphthene	153	9.362	9.362	0.0	94	1057323	9.93	
114 2,4-Dinitrotoluene	165	9.447	9.447	0.0	74	326573	9.74	
116 Dibenzofuran	168	9.506	9.506	0.0	84	1490931	9.71	
119 2,3,4,6-Tetrachlorophenol	232	9.597	9.597	0.0	73	257935	10.2	
121 Diethyl phthalate	149	9.623	9.623	0.0	93	953082	8.95	
123 4-Chlorophenyl phenyl ether	204	9.762	9.762	0.0	95	610033	10.1	
125 4-Nitroaniline	138	9.778	9.778	0.0	71	310053	9.50	M
126 Fluorene	166	9.800	9.800	0.0	80	1187862	9.87	
128 4,6-Dinitro-2-methylphenol	198	9.805	9.805	0.0	79	460825	20.1	
131 N-Nitrosodiphenylamine	169	9.858	9.858	0.0	99	1503163	19.8	
132 1,2-Diphenylhydrazine	77	9.901	9.901	0.0	99	2001345	10.7	
133 Azobenzene	77	9.901	9.901	0.0	95	2001247	10.7	
139 4-Bromophenyl phenyl ether	248	10.184	10.184	0.0	70	294575	10.3	
142 Atrazine	200	10.270	10.270	0.0	86	669413	20.2	
141 Hexachlorobenzene	284	10.286	10.286	0.0	87	313381	10.7	
143 Pentachlorophenol	266	10.435	10.435	0.0	82	400071	20.2	
148 Phenanthrene	178	10.628	10.628	0.0	98	1519025	9.55	
149 Anthracene	178	10.670	10.670	0.0	88	1582827	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
151 Carbazole	167	10.783	10.783	0.0	83	1601389	10.2	
154 Di-n-butyl phthalate	149	10.996	10.996	0.0	100	2031646	10.4	
159 Fluoranthene	202	11.648	11.648	0.0	99	2043072	10.6	
160 Benzidine	184	11.707	11.707	0.0	99	1685126	19.6	
161 Pyrene	202	11.851	11.851	0.0	96	2112210	10.9	
168 Butyl benzyl phthalate	149	12.294	12.294	0.0	90	913243	10.3	
173 Bis(2-ethylhexyl) phthalate	149	12.813	12.813	0.0	95	1266279	10.7	
175 3,3'-Dichlorobenzidine	252	12.877	12.877	0.0	72	1423166	21.2	
177 Benzo[a]anthracene	228	12.962	12.962	0.0	89	2050979	9.84	
178 Chrysene	228	13.005	13.005	0.0	94	1972997	9.83	
180 Di-n-octyl phthalate	149	13.550	13.550	0.0	99	2146687	9.08	
182 Benzo[b]fluoranthene	252	14.373	14.373	0.0	91	1949336	10.7	
183 Benzo[k]fluoranthene	252	14.410	14.410	0.0	99	1998887	9.67	
184 Benzo[a]pyrene	252	14.923	14.923	0.0	76	1828805	10.2	
188 Indeno[1,2,3-cd]pyrene	276	17.289	17.289	0.0	96	1848624	10.2	
189 Dibenz(a,h)anthracene	278	17.300	17.300	0.0	71	1544204	10.5	
190 Benzo[g,h,i]perylene	276	18.000	18.000	0.0	92	1529347	10.2	
S 245 Total Cresols	100				0		20.2	
S 191 Methyl Phenols,Total	100				0		20.2	

QC Flag Legend

Review Flags
M - Manually Integrated

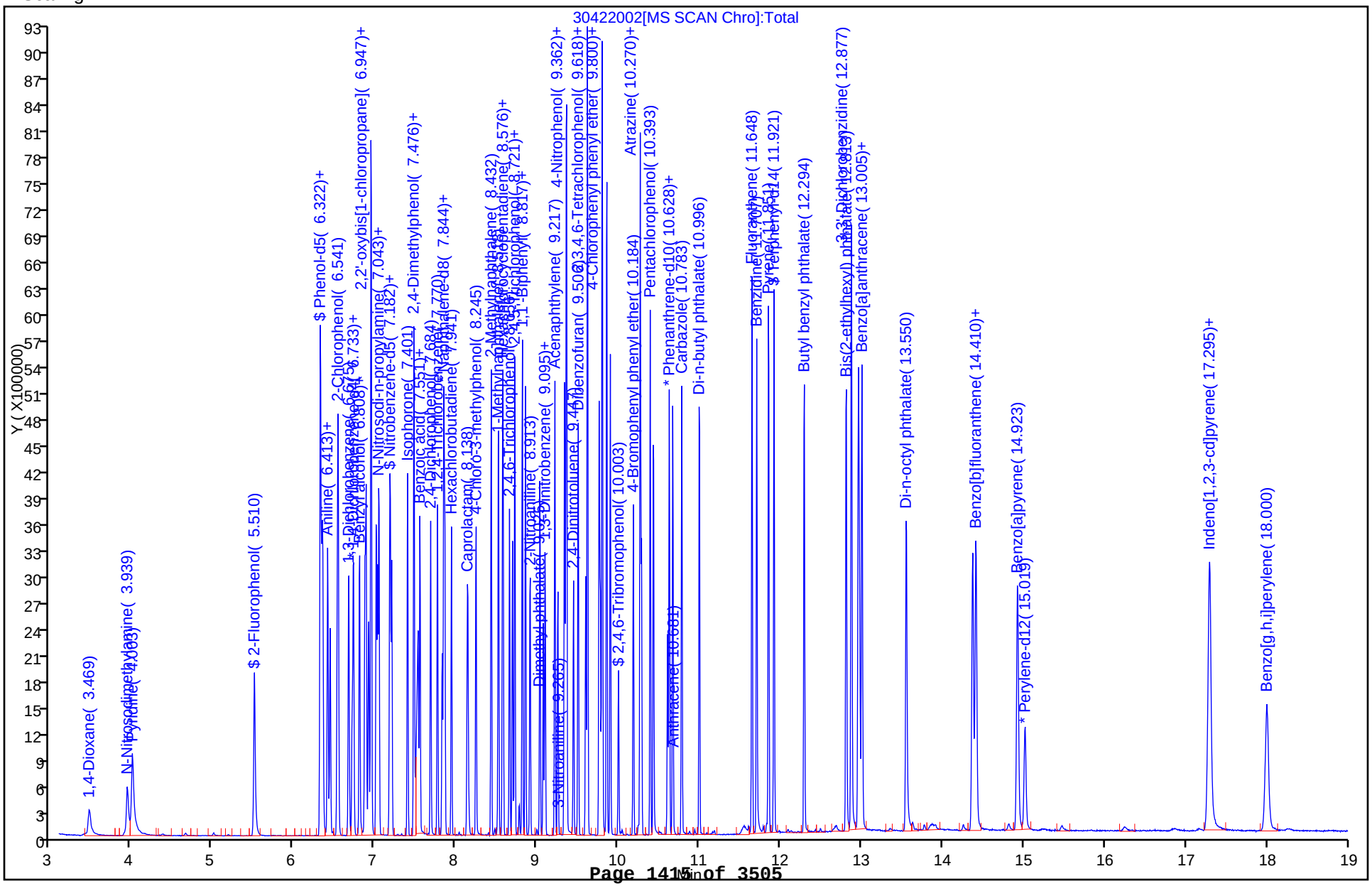
Report Date: 22-Apr-2013 15:21:34 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422002.D

Injection Date:	22-Apr-2013 09:33:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

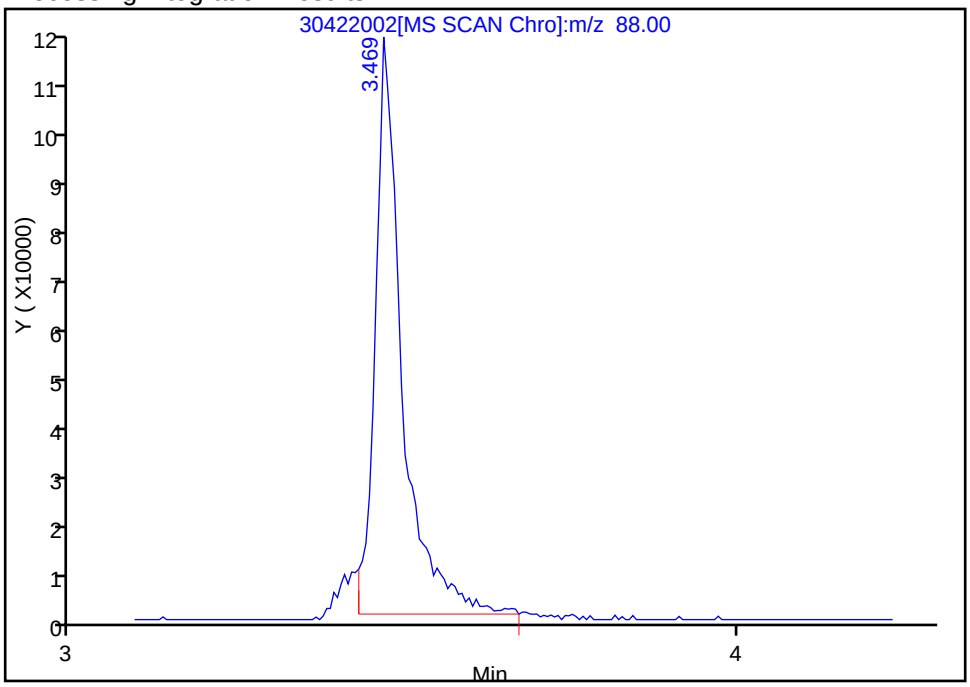
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422002.D		
Injection Date:	22-Apr-2013 09:33:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 3.47

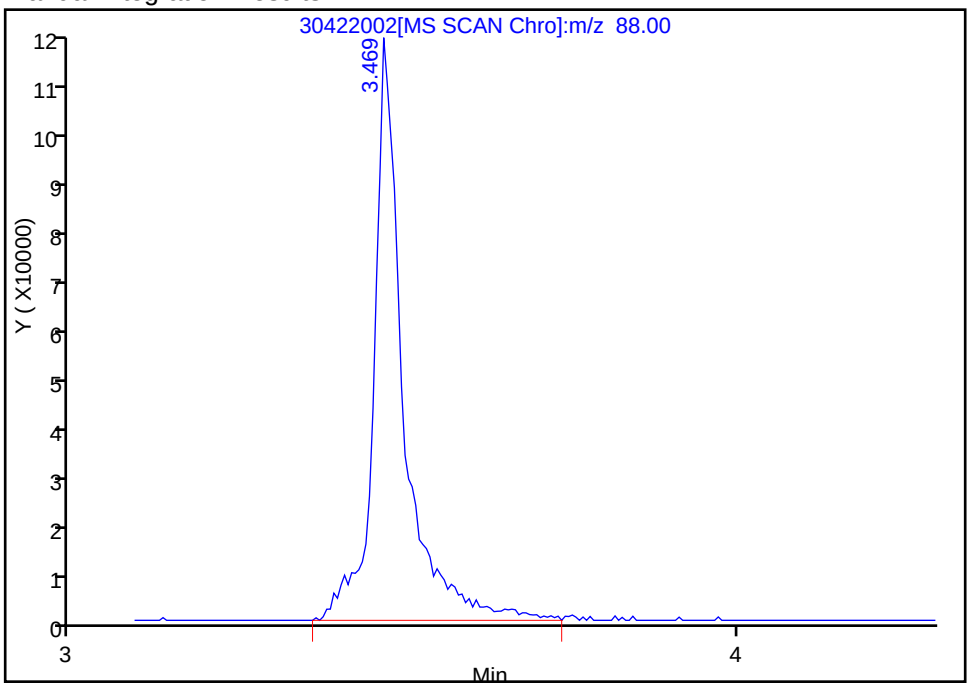
Processing Integration Results

RT: 3.47
Response: 329364
Amount: 9.113328



Manual Integration Results

RT: 3.47
Response: 368338
Amount: 10.191718



Reviewer: ulmanm, 22-Apr-2013 09:58:53
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

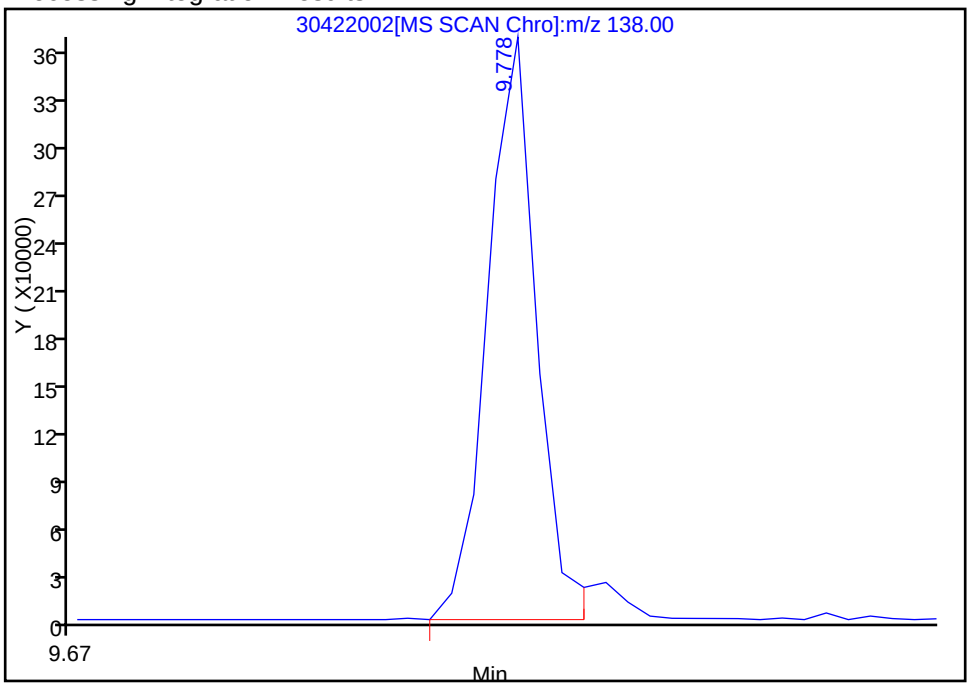
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422002.D		
Injection Date:	22-Apr-2013 09:33:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

125 4-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 9.78

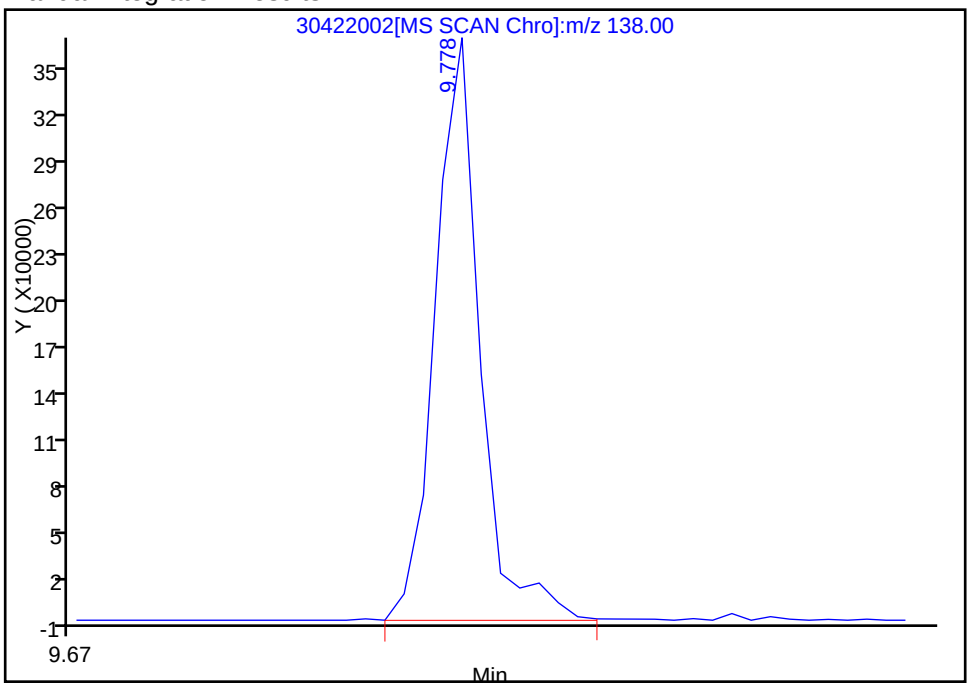
Processing Integration Results

RT: 9.78
Response: 297960
Amount: 9.158588



Manual Integration Results

RT: 9.78
Response: 310053
Amount: 9.500095



Reviewer: ulmanm, 22-Apr-2013 09:58:53
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419101.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	19-Apr-2013 10:21:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp,30419a.b,dftpp390		
Misc. Info.:	CCV TCL =CCV TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	82668	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\8270 _9.m		
Last Update:	19-Apr-2013 15:20:08	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK006		
First Level Reviewer: ulmanm		Date:	19-Apr-2013 10:39:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	10.473	10.473	0.0	84	513343	0	
150 DFTPP								
160 Benzidine	184	11.750	11.750	0.0	98	2899500	0	
166 4,4'-DDE	246		11.931					
165 4,4'-DDD	235	12.241	12.241	0.0	1	2308	0	
170 4,4'-DDT	235	12.476	12.476	0.0	95	1399992	0	

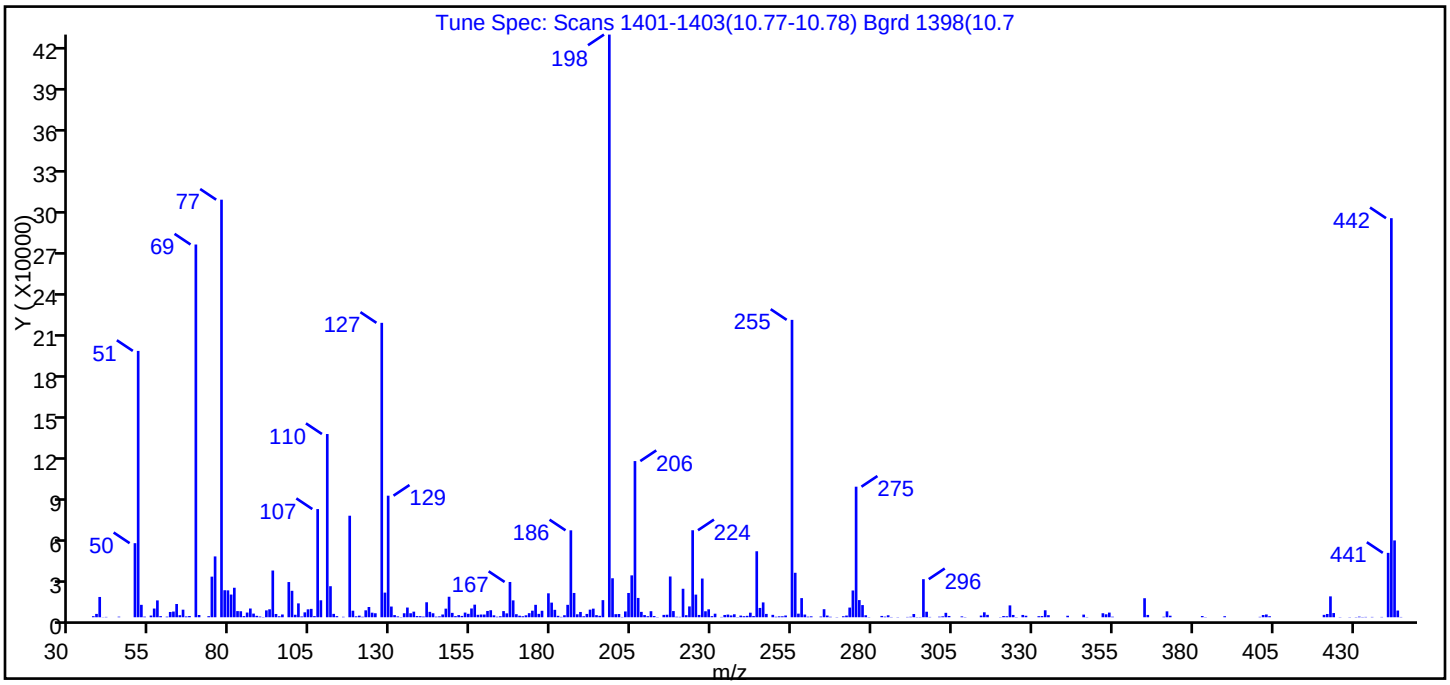
Report Date: 19-Apr-2013 15:20:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419101.D		
Injection Date:	19-Apr-2013 10:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

150 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	45.71
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	63.97
70	Less than 2.00% of mass 69	0.39 (0.60)
127	25.00 - 75.00% of mass 198	50.53
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.69
275	10.00 - 30.00% of mass 198	22.41
365	Greater than 0.75% of mass 198	3.27
441	Present, but less than mass 443%	11.05 (83.80)
442	40.00 - 110.00% of mass 198	68.49
443	15.00 - 24.00% of mass 442	13.19 (19.25)

Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419101.D\8270 _9.rslt\spectra.d
Injection Date: 19-Apr-2013 10:21:30
Spectrum: Tune Spec: Scans 1401-1403(10.77-10.78) Bgrd 1398(10.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 285

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	789	127.00	216064	201.00	2380	284.00	453
38.00	2455	128.00	18080	202.00	219	285.00	1444
39.00	14897	129.00	89216	203.00	4264	286.00	198
40.00	130	130.00	7859	204.00	17816	288.00	171
41.00	266	131.00	1584	205.00	30736	291.00	238
45.00	426	132.00	637	206.00	114608	292.00	349
50.00	54360	133.00	189	207.00	14174	293.00	2376
51.00	195456	134.00	2928	208.00	3957	294.00	181
52.00	9114	135.00	7127	209.00	1611	295.00	197
53.00	457	136.00	2943	210.00	774	296.00	27952
55.00	1248	137.00	4109	211.00	4443	297.00	4058
56.00	6392	138.00	867	212.00	869	298.00	243
57.00	12373	139.00	780	213.00	176	301.00	429
58.00	824	140.00	506	215.00	1739	302.00	681
60.00	433	141.00	11006	216.00	1862	303.00	3250
61.00	3876	142.00	3964	217.00	29920	304.00	934
62.00	4197	143.00	2933	218.00	4543	308.00	637
63.00	9733	144.00	442	219.00	389	309.00	193
64.00	1493	145.00	656	220.00	297	314.00	1234
65.00	5560	146.00	2025	221.00	20912	315.00	3636
66.00	584	147.00	6317	222.00	1509	316.00	1759
67.00	896	148.00	15047	223.00	7953	320.00	173
69.00	273536	149.00	3223	224.00	63848	321.00	872
70.00	1652	150.00	814	225.00	16624	322.00	721
73.00	790	151.00	1565	226.00	1691	323.00	8708
74.00	29800	152.00	988	227.00	28416	324.00	1694
75.00	44648	153.00	3426	228.00	4397	325.00	183
77.00	306432	154.00	2522	229.00	5832	327.00	1697
78.00	19832	155.00	6455	230.00	825	328.00	1101
79.00	19744	156.00	9238	231.00	2613	332.00	783
80.00	16664	157.00	1807	233.00	245	333.00	861
81.00	21648	158.00	2014	234.00	1675	334.00	5121
82.00	4523	159.00	1994	235.00	1966	335.00	1530

Report Date: 19-Apr-2013 15:20:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419101.D\8270 _9.rslt\spectra.d
Injection Date: 19-Apr-2013 10:21:30
Spectrum: Tune Spec: Scans 1401-1403(10.77-10.78) Bgrd 1398(10.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 285

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	4415	160.00	4618	236.00	1351	341.00	1103
84.00	836	161.00	5152	237.00	2194	346.00	1942
85.00	3458	162.00	1416	238.00	176	347.00	201
86.00	6417	163.00	401	239.00	1217	352.00	2945
87.00	2684	164.00	727	240.00	773	353.00	2173
88.00	1059	165.00	4521	241.00	1050	354.00	3421
89.00	526	166.00	2853	242.00	3344	355.00	415
90.00	192	167.00	25888	243.00	869	365.00	13971
91.00	5048	168.00	12382	244.00	48432	366.00	1707
92.00	5847	169.00	2245	245.00	6843	371.00	388
93.00	34296	170.00	1136	246.00	10896	372.00	4349
94.00	2409	171.00	749	247.00	2451	373.00	1131
95.00	736	172.00	1420	249.00	1768	383.00	898
96.00	2033	173.00	2996	250.00	372	384.00	172
98.00	25832	174.00	4811	251.00	673	390.00	775
99.00	19416	175.00	9126	252.00	708	401.00	306
100.00	1828	176.00	2482	253.00	1275	402.00	1650
101.00	10187	177.00	4762	255.00	218240	403.00	2046
102.00	570	179.00	17576	256.00	32640	404.00	761
103.00	3600	180.00	10744	257.00	2632	421.00	1760
104.00	5814	181.00	5459	258.00	14049	422.00	2404
105.00	6157	182.00	1063	259.00	1987	423.00	15328
106.00	823	183.00	287	260.00	443	424.00	3087
107.00	79400	184.00	1483	261.00	665	426.00	169
108.00	12459	185.00	9118	264.00	529	429.00	169
110.00	134464	186.00	63792	265.00	5911	431.00	179
111.00	22784	187.00	17832	266.00	1250	432.00	454
112.00	2486	188.00	2180	267.00	354	433.00	194
113.00	814	189.00	3887	269.00	177	434.00	257
115.00	343	190.00	723	271.00	735	436.00	251
117.00	74512	191.00	2429	272.00	1239	439.00	236
118.00	4800	192.00	5588	273.00	7105	441.00	47248
119.00	670	193.00	6320	274.00	19656	442.00	292864
120.00	1185	194.00	1554	275.00	95808	443.00	56384

Report Date: 19-Apr-2013 15:20:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419101.D\8270 _9.rslt\spectra.d
Injection Date: 19-Apr-2013 10:21:30
Spectrum: Tune Spec: Scans 1401-1403(10.77-10.78) Bgrd 1398(10.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 285

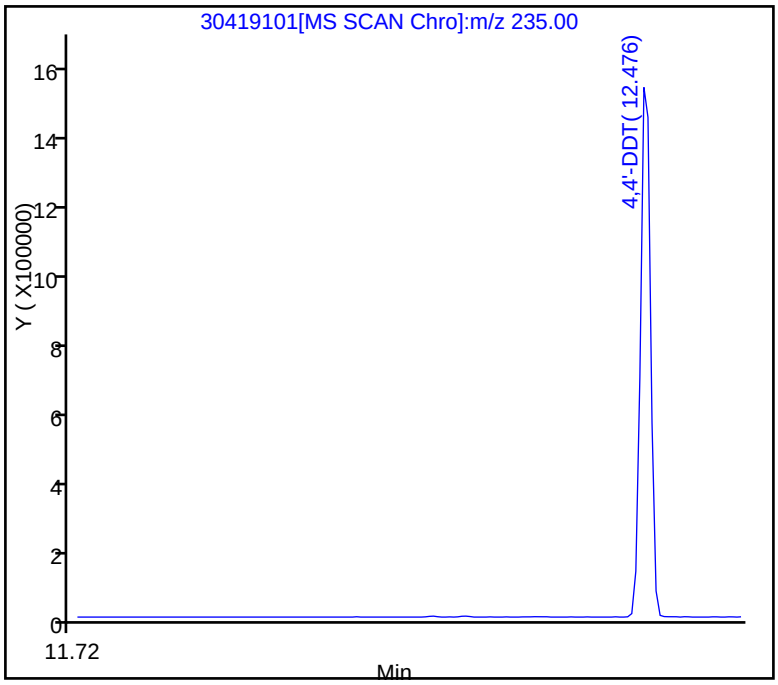
m/z	Y	m/z	Y	m/z	Y	m/z	Y
121.00	361	195.00	1055	276.00	12597	444.00	4929
122.00	5087	196.00	12561	277.00	8930	445.00	217
123.00	7521	198.00	427584	278.00	1467		
124.00	3344	199.00	28608	279.00	180		
125.00	2927	200.00	2267	283.00	975		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419101.D		
Injection Date:	19-Apr-2013 10:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

170 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

170 4,4'-DDT, Area = 1399992
165 4,4'-DDD, Area = 2308
166 4,4'-DDE, Area = 0

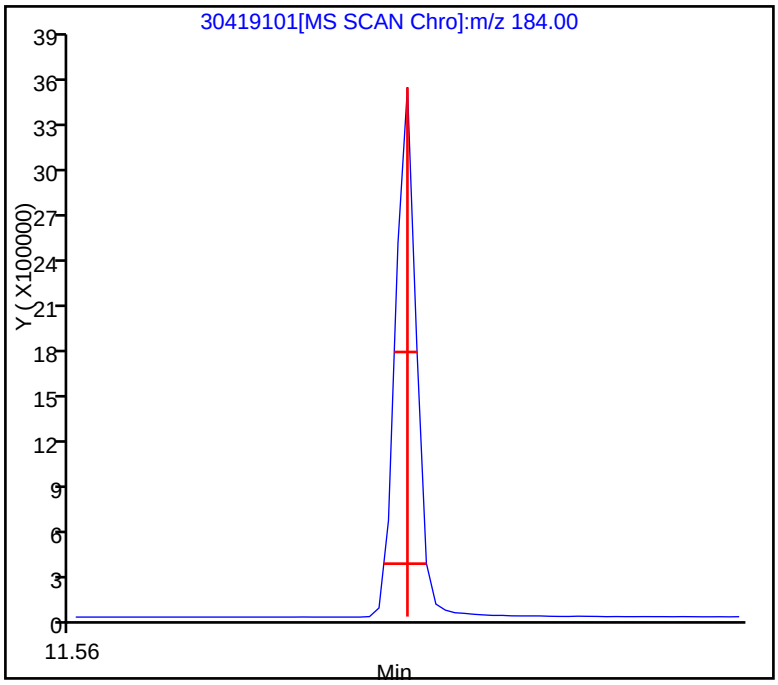
%Breakdown: 0.16%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419101.D		
Injection Date:	19-Apr-2013 10:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.8, Max. Tailing < 3.00
Passed

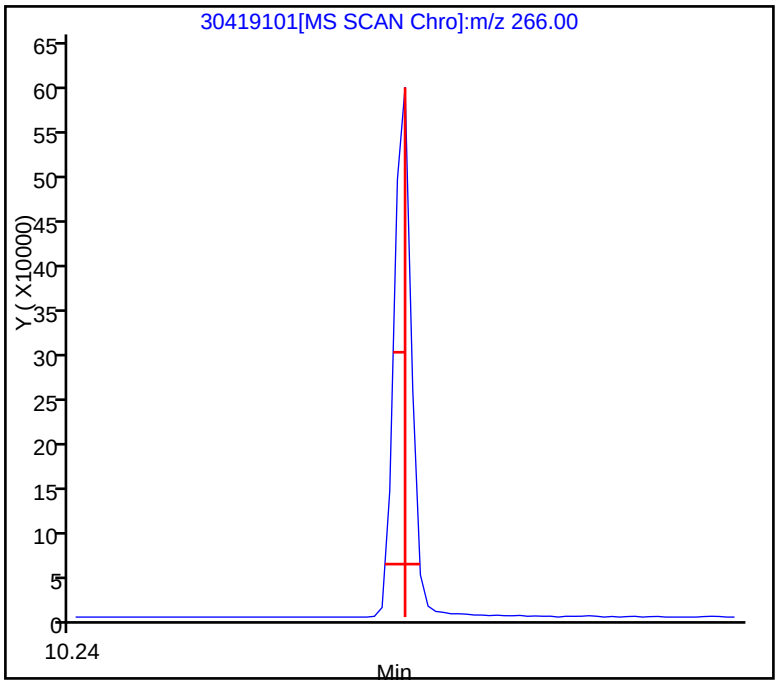
Report Date: 19-Apr-2013 15:20:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419101.D		
Injection Date:	19-Apr-2013 10:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82668	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.7, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Apr-2013 10:55:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0019112-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	82876	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m		
Last Update:	22-Apr-2013 08:55:37	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK030		
First Level Reviewer: ulmanm		Date:	21-Apr-2013 11:14:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	10.449	10.449	0.0	81	587260	0	
150 DFTPP								
160 Benzidine	184	11.726	11.726	0.0	87	3567384	0	
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235	12.174	12.174	0.0	1	2955	0	
170 4,4'-DDT	235	12.452	12.452	0.0	95	1747015	0	

QC Flag Legend

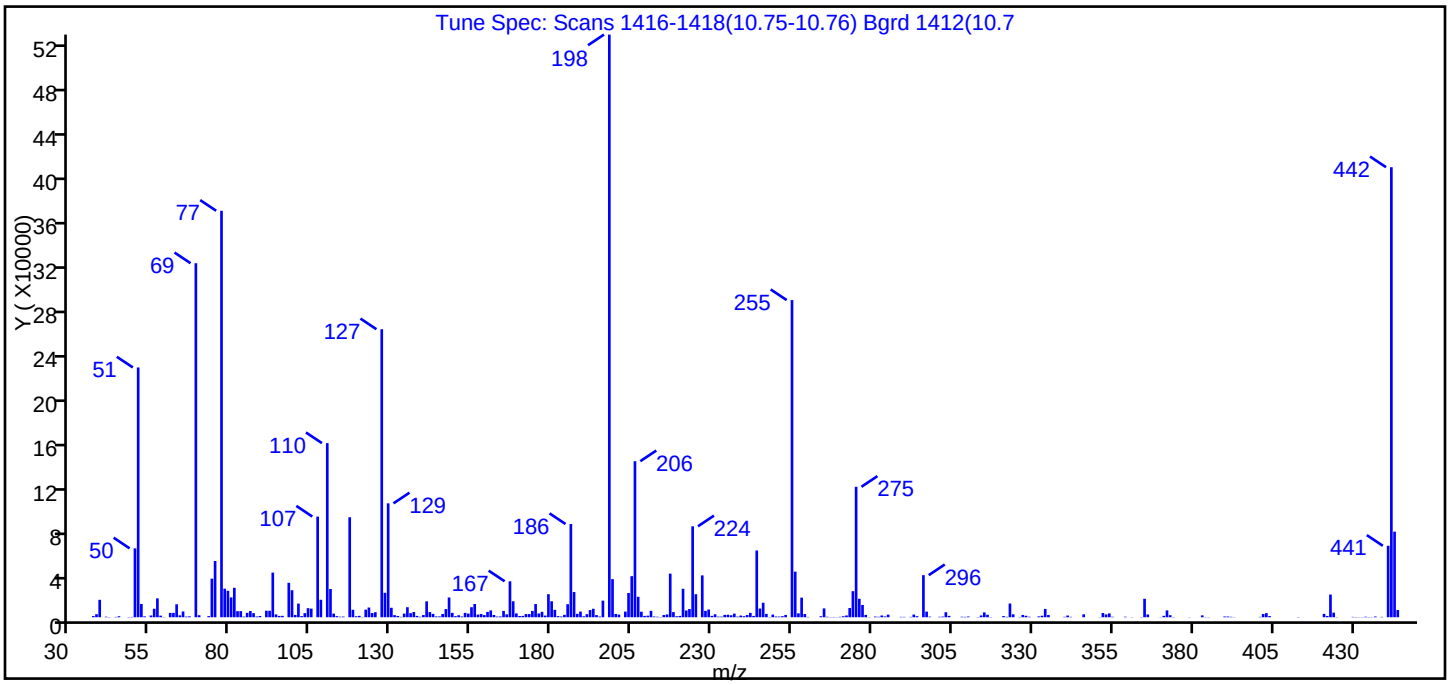
Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421001.D		
Injection Date:	21-Apr-2013 10:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

150 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	42.87
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	60.76
70	Less than 2.00% of mass 69	0.35 (0.58)
127	25.00 - 75.00% of mass 198	49.43
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.54
275	10.00 - 30.00% of mass 198	22.39
365	Greater than 0.75% of mass 198	3.17
441	Present, but less than mass 443%	12.27 (83.50)
442	40.00 - 110.00% of mass 198	77.24
443	15.00 - 24.00% of mass 442	14.69 (19.02)

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421001.D\8270 _9.rslt\spectra.d
Injection Date: 21-Apr-2013 10:55:30
Spectrum: Tune Spec: Scans 1416-1418(10.75-10.76) Bgrd 1412(10.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 307

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1102	130.00	8613	209.00	1236	297.00	5124
38.00	2763	131.00	1944	210.00	1426	298.00	540
39.00	15861	132.00	1201	211.00	5880	301.00	416
41.00	524	133.00	333	212.00	668	302.00	600
42.00	201	134.00	3328	213.00	478	303.00	4562
44.00	306	135.00	9140	214.00	221	304.00	1263
45.00	938	136.00	3707	215.00	2037	308.00	461
48.00	233	137.00	4754	216.00	2568	309.00	377
49.00	313	138.00	1204	217.00	39672	310.00	670
50.00	62632	139.00	448	218.00	4711	313.00	223
51.00	227136	140.00	2029	219.00	908	314.00	1638
52.00	12096	141.00	14492	220.00	1214	315.00	4398
53.00	794	142.00	4709	221.00	25904	316.00	2257
55.00	1605	143.00	3076	222.00	6163	317.00	214
56.00	7743	144.00	752	223.00	7494	321.00	1063
57.00	17168	145.00	750	224.00	82712	322.00	391
58.00	1465	146.00	2934	225.00	20968	323.00	12488
59.00	219	147.00	7446	227.00	38064	324.00	2676
61.00	3996	148.00	17976	228.00	5800	326.00	291
62.00	3969	149.00	4004	229.00	7029	327.00	2114
63.00	11782	150.00	998	230.00	1275	328.00	1345
64.00	1715	151.00	1834	231.00	2720	329.00	484
65.00	5261	152.00	705	232.00	566	332.00	791
66.00	578	153.00	3994	233.00	569	333.00	1378
67.00	833	154.00	3364	234.00	2174	334.00	7591
69.00	321920	155.00	9139	235.00	2314	335.00	2066
70.00	1870	156.00	12051	236.00	1813	340.00	371
73.00	1040	157.00	2438	237.00	3323	341.00	1559
74.00	35096	158.00	3017	238.00	555	342.00	383
75.00	51144	159.00	1975	239.00	1556	346.00	2674
77.00	369600	160.00	4854	240.00	966	351.00	173
78.00	25968	161.00	6210	241.00	2030	352.00	3844
79.00	24080	162.00	2087	242.00	3977	353.00	2588

Report Date: 22-Apr-2013 08:55:38 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421001.D\8270 _9.rslt\spectra.d
Injection Date: 21-Apr-2013 10:55:30
Spectrum: Tune Spec: Scans 1416-1418(10.75-10.76) Bgrd 1412(10.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 307

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	18040	163.00	618	243.00	1199	354.00	3495
81.00	26808	164.00	705	244.00	60720	355.00	444
82.00	5531	165.00	5759	245.00	7919	359.00	480
83.00	5576	166.00	2685	246.00	13193	361.00	178
84.00	601	167.00	32696	247.00	3027	364.00	247
85.00	4006	168.00	14541	248.00	259	365.00	16800
86.00	5629	169.00	3484	249.00	2437	366.00	2539
87.00	3714	170.00	1146	250.00	672	370.00	178
88.00	684	171.00	1266	251.00	609	371.00	1295
89.00	1137	172.00	2897	252.00	985	372.00	6219
91.00	5948	173.00	2915	253.00	2103	373.00	1840
92.00	5905	174.00	5748	255.00	288384	374.00	238
93.00	40600	175.00	11983	256.00	41464	379.00	171
94.00	2579	176.00	3411	257.00	3535	383.00	1698
95.00	1228	177.00	4969	258.00	17848	384.00	173
96.00	1290	178.00	1535	259.00	2932	385.00	179
98.00	31328	179.00	20952	260.00	286	390.00	694
99.00	24584	180.00	14554	264.00	946	391.00	677
100.00	2083	181.00	6751	265.00	8051	392.00	404
101.00	12424	182.00	1030	266.00	435	393.00	175
102.00	1059	183.00	659	267.00	220	401.00	366
103.00	3737	184.00	2196	268.00	244	402.00	2963
104.00	8267	185.00	11844	269.00	196	403.00	3739
105.00	7845	186.00	84768	270.00	386	404.00	1079
107.00	91552	187.00	22920	271.00	918	413.00	223
108.00	15914	188.00	3126	272.00	1634	421.00	3106
110.00	158336	189.00	5154	273.00	8398	422.00	1195
111.00	25672	190.00	855	274.00	23696	423.00	20640
112.00	3312	191.00	2773	275.00	118640	424.00	4181
113.00	1013	192.00	6528	276.00	16784	425.00	185
114.00	508	193.00	7734	277.00	11163	430.00	339
115.00	620	194.00	2003	278.00	2131	431.00	231
117.00	90936	195.00	671	279.00	196	432.00	180
118.00	6808	196.00	15111	281.00	629	433.00	179

Report Date: 22-Apr-2013 08:55:38 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421001.D\8270 _9.rslt\spectra.d
Injection Date: 21-Apr-2013 10:55:30
Spectrum: Tune Spec: Scans 1416-1418(10.75-10.76) Bgrd 1412(10.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 307

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	915	198.00	529792	282.00	405	434.00	484
120.00	1284	199.00	34656	283.00	1609	435.00	221
121.00	166	200.00	2996	284.00	736	436.00	175
122.00	6915	201.00	2420	285.00	2390	437.00	668
123.00	8841	203.00	5136	289.00	364	439.00	362
124.00	3853	204.00	22056	290.00	359	441.00	64984
125.00	4585	205.00	37368	292.00	352	442.00	409216
127.00	261888	206.00	141888	293.00	2483	443.00	77824
128.00	22216	207.00	18600	294.00	982	444.00	6625
129.00	103584	208.00	5036	296.00	38280		

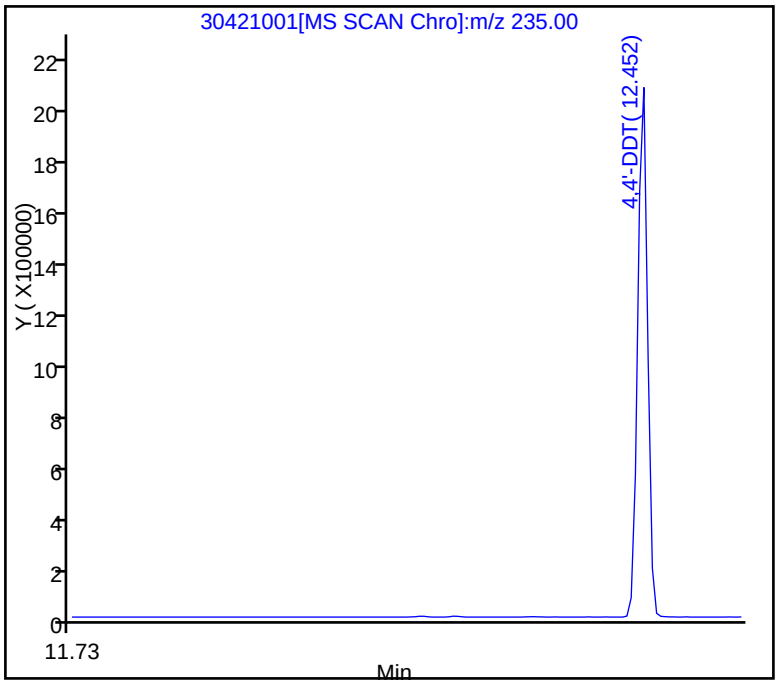
Breakdown Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421001.D

Injection Date:	21-Apr-2013 10:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

170 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

170 4,4'-DDT, Area = 1747015
165 4,4'-DDD, Area = 2955
166 4,4'-DDE, Area = 0

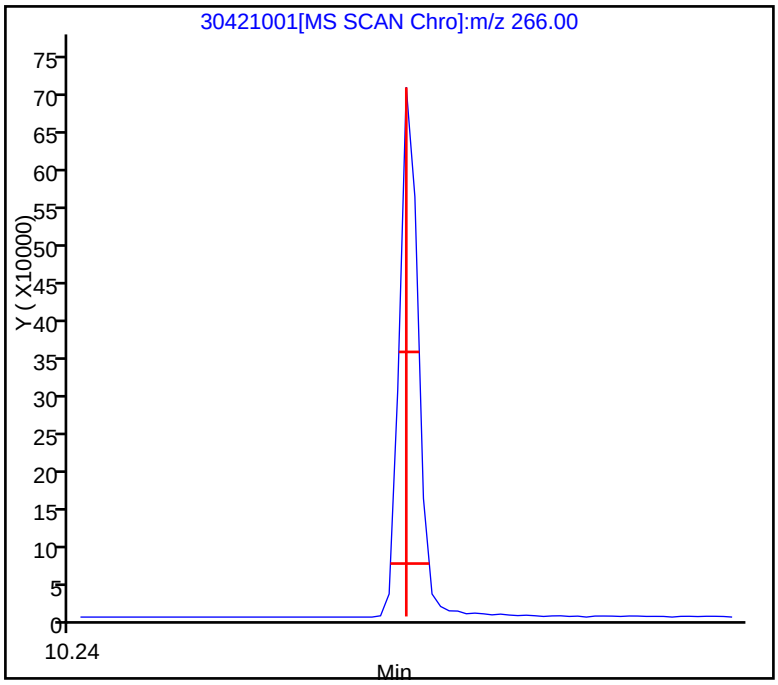
%Breakdown: 0.17%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421001.D		
Injection Date:	21-Apr-2013 10:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.4, Max. Tailing < 5.00
Passed

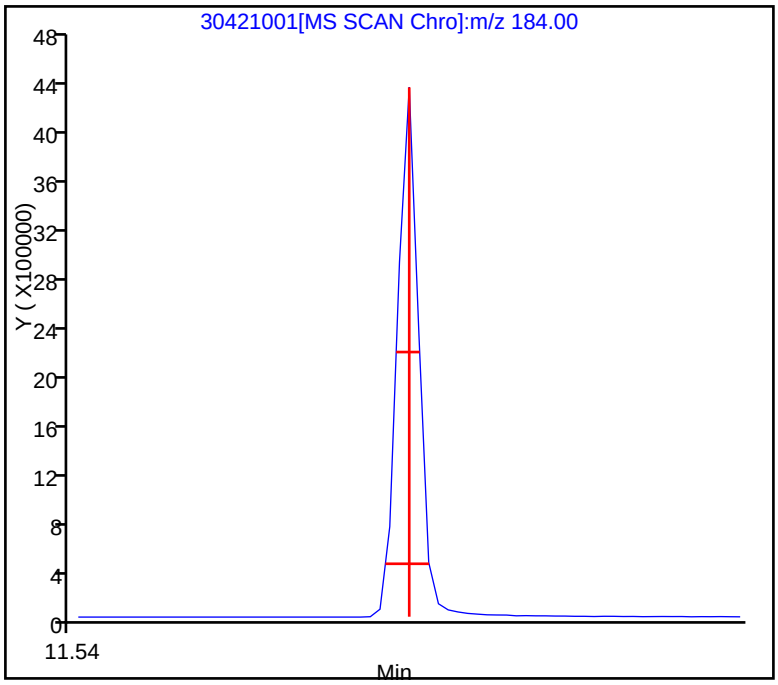
Report Date: 22-Apr-2013 08:55:38 Chrom Revision: 2.0 01-Apr-2013 21:16:10

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421001.D		
Injection Date:	21-Apr-2013 10:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.8, Max. Tailing < 3.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	22-Apr-2013 09:11:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0019128-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	82940	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\8270 _9.m		
Last Update:	22-Apr-2013 15:21:30	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK030		
First Level Reviewer: ulmanm		Date:	22-Apr-2013 09:30:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	10.439	10.439	0.0	82	748509	0	
150 DFTPP								
160 Benzidine	184	11.716	11.716	0.0	98	4385980	0	
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235	12.159	12.159	0.0	36	4596	0	
170 4,4'-DDT	235	12.442	12.442	0.0	96	2113323	0	

QC Flag Legend

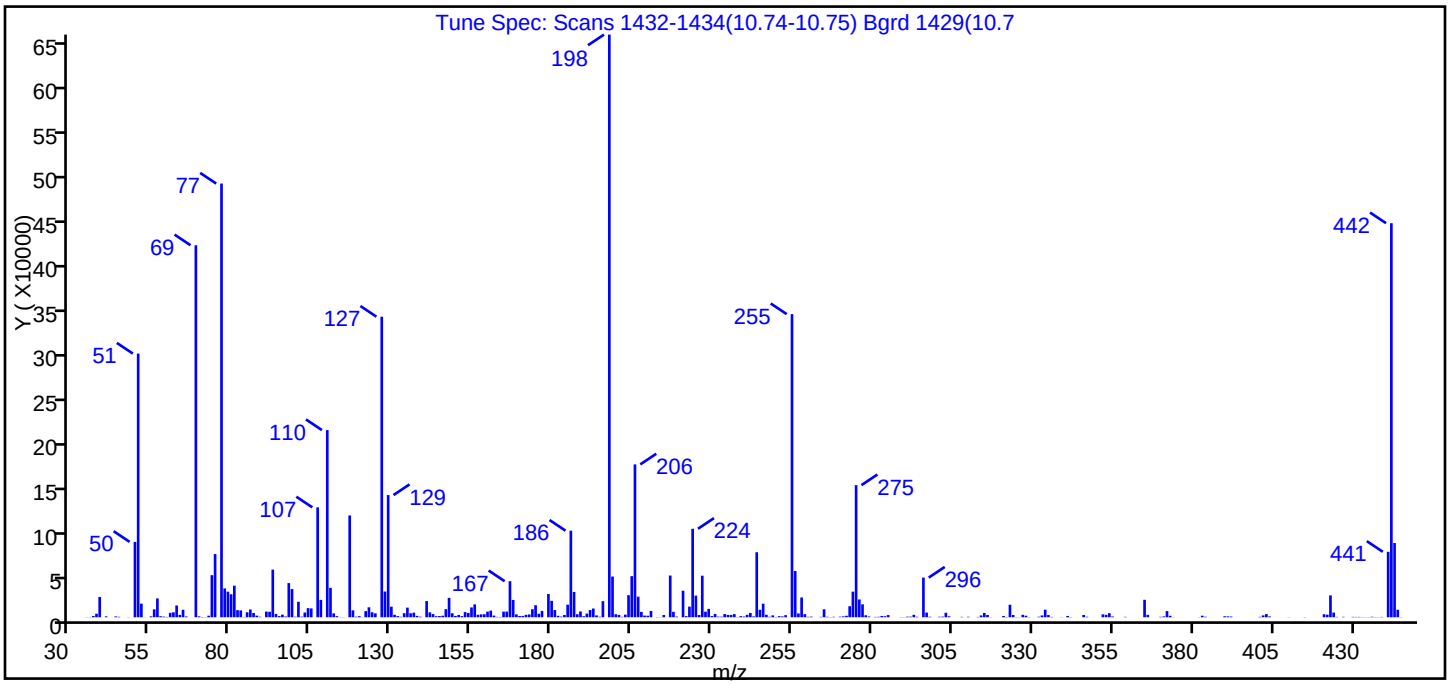
Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422001.D		
Injection Date:	22-Apr-2013 09:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

150 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	45.25
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	63.85
70	Less than 2.00% of mass 69	0.15 (0.24)
127	25.00 - 75.00% of mass 198	51.59
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.99
275	10.00 - 30.00% of mass 198	22.67
365	Greater than 0.75% of mass 198	2.99
441	Present, but less than mass 443%	11.23 (88.17)
442	40.00 - 110.00% of mass 198	67.63
443	15.00 - 24.00% of mass 442	12.74 (18.84)

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422001.D\8270 _9.rslt\spectra.d
Injection Date: 22-Apr-2013 09:11:30
Spectrum: Tune Spec: Scans 1432-1434(10.74-10.75) Bgrd 1429(10.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	186	128.00	28864	209.00	1894	301.00	597
36.00	221	129.00	137152	210.00	1720	302.00	728
37.00	1376	130.00	11865	211.00	7141	303.00	5074
38.00	3976	131.00	2763	213.00	281	304.00	1088
39.00	22776	132.00	1328	214.00	173	308.00	483
41.00	1027	133.00	475	215.00	2538	310.00	533
44.00	941	134.00	4532	217.00	46824	313.00	378
45.00	543	135.00	10806	218.00	6088	314.00	2051
48.00	172	136.00	4482	219.00	781	315.00	4798
50.00	84616	137.00	5153	221.00	29736	316.00	2601
51.00	296000	138.00	1525	222.00	1265	317.00	196
52.00	15255	139.00	667	223.00	11946	321.00	1432
53.00	148	141.00	18152	224.00	99328	322.00	305
55.00	1020	142.00	5516	225.00	24304	323.00	14050
56.00	8888	143.00	3575	226.00	2487	324.00	2524
57.00	21136	144.00	1204	227.00	46648	325.00	225
58.00	1165	145.00	1399	228.00	6310	326.00	171
59.00	719	146.00	1725	229.00	9409	327.00	2738
60.00	385	147.00	9121	230.00	1338	328.00	1725
61.00	4939	148.00	21776	231.00	3679	329.00	215
62.00	5547	149.00	4469	232.00	699	332.00	611
63.00	13214	150.00	1458	233.00	649	333.00	2052
64.00	2668	151.00	2604	234.00	3593	334.00	8516
65.00	8451	152.00	1278	235.00	2654	335.00	2495
66.00	886	153.00	5788	236.00	2616	336.00	416
69.00	417600	154.00	4850	237.00	3537	339.00	167
70.00	1005	155.00	11043	238.00	329	341.00	1456
71.00	312	156.00	14462	239.00	1238	342.00	260
72.00	178	157.00	2810	240.00	830	346.00	2542
73.00	1730	158.00	3275	241.00	2736	347.00	575
74.00	47264	159.00	3360	242.00	4801	352.00	3255
75.00	70936	160.00	6300	243.00	947	353.00	2712
77.00	486848	161.00	7424	244.00	73000	354.00	4583

Report Date: 22-Apr-2013 15:21:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422001.D\8270 _9.rslt\spectra.d
Injection Date: 22-Apr-2013 09:11:30
Spectrum: Tune Spec: Scans 1432-1434(10.74-10.75) Bgrd 1429(10.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	32360	162.00	1868	245.00	8404	355.00	863
79.00	28744	163.00	424	246.00	15211	359.00	467
80.00	25832	164.00	377	247.00	2830	365.00	19584
81.00	35416	165.00	6343	248.00	560	366.00	2734
82.00	7961	166.00	6380	249.00	2111	370.00	520
83.00	7692	167.00	40488	250.00	315	371.00	970
84.00	338	168.00	19432	251.00	1241	372.00	6921
85.00	5592	169.00	3256	252.00	938	373.00	1616
86.00	8693	170.00	1459	253.00	2356	374.00	205
87.00	4750	171.00	1477	255.00	340288	382.00	172
88.00	1833	172.00	2715	256.00	51928	383.00	1719
89.00	587	173.00	3172	257.00	4240	384.00	593
91.00	6382	174.00	9017	258.00	22232	390.00	1119
92.00	6155	175.00	13512	259.00	3509	391.00	996
93.00	53464	176.00	3942	260.00	525	392.00	798
94.00	3737	177.00	7113	261.00	703	401.00	510
95.00	1308	179.00	26064	264.00	490	402.00	2096
96.00	2912	180.00	18464	265.00	8977	403.00	3578
97.00	864	181.00	8091	266.00	552	404.00	1009
98.00	38336	182.00	1626	267.00	222	410.00	180
99.00	31632	183.00	690	268.00	495	415.00	201
100.00	597	184.00	2532	270.00	641	421.00	3364
101.00	17376	185.00	14119	271.00	982	422.00	2890
102.00	712	186.00	97184	272.00	1672	423.00	24560
103.00	5322	187.00	28424	273.00	12377	424.00	5253
104.00	10252	188.00	3400	274.00	28752	425.00	431
105.00	9925	189.00	6524	275.00	148288	427.00	485
107.00	123352	190.00	1127	276.00	19968	430.00	448
108.00	19488	191.00	4090	277.00	14536	431.00	380
110.00	210112	192.00	8083	278.00	2223	432.00	420
111.00	32976	193.00	9809	279.00	897	433.00	246
112.00	4349	194.00	2090	281.00	423	434.00	177
113.00	1259	195.00	598	282.00	524	435.00	191
114.00	176	196.00	18080	283.00	1460	436.00	574

Report Date: 22-Apr-2013 15:21:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10
Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422001.D\8270 _9.rslt\spectra.d
Injection Date: 22-Apr-2013 09:11:30
Spectrum: Tune Spec: Scans 1432-1434(10.74-10.75) Bgrd 1429(10.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 309

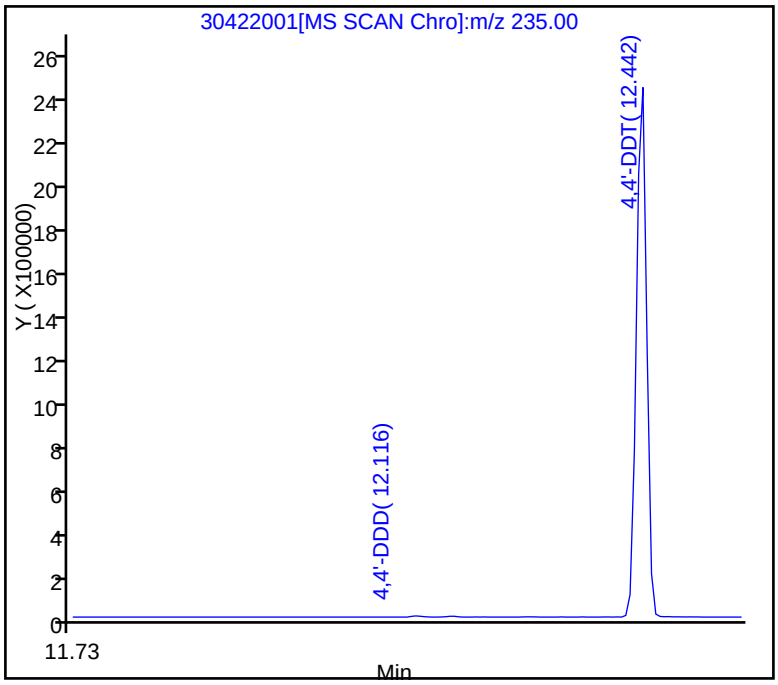
m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	180	198.00	654080	284.00	1149	437.00	251
117.00	114272	199.00	45704	285.00	2468	438.00	219
118.00	7747	200.00	3376	289.00	254	439.00	364
119.00	651	201.00	2611	290.00	214	441.00	73472
120.00	1208	202.00	505	291.00	691	442.00	442368
121.00	168	203.00	2933	292.00	643	443.00	83328
122.00	6892	204.00	24752	293.00	2750	444.00	8422
123.00	11197	205.00	46128	294.00	589	445.00	191
124.00	5589	206.00	171584	296.00	44528		
125.00	4393	207.00	23120	297.00	5242		
127.00	337408	208.00	6053	298.00	595		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422001.D		
Injection Date:	22-Apr-2013 09:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

170 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

170 4,4'-DDT, Area = 2113323
165 4,4'-DDD, Area = 4596
166 4,4'-DDE, Area = 0

%Breakdown: 0.22%, Max Limit: 20.00%
Passed

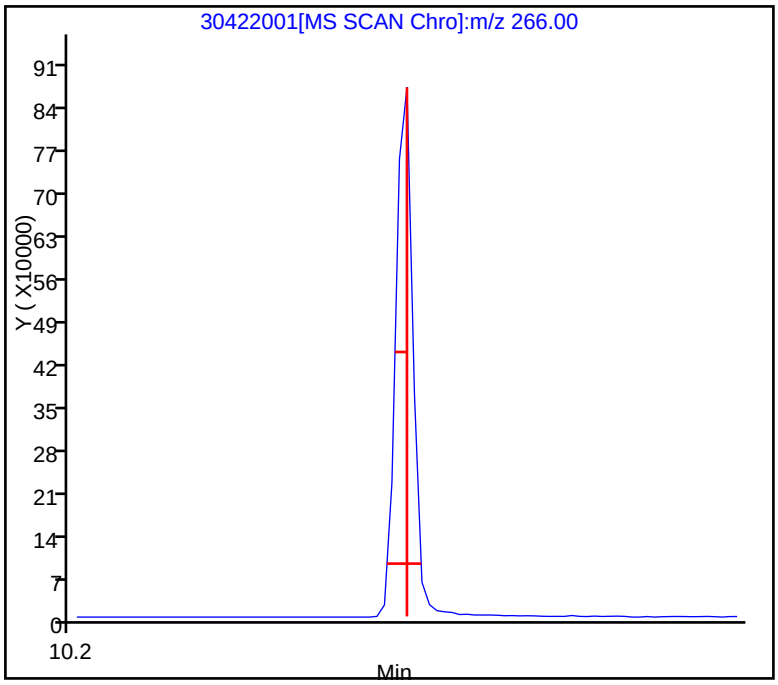
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422001.D

Injection Date:	22-Apr-2013 09:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.7, Max. Tailing < 5.00
Passed

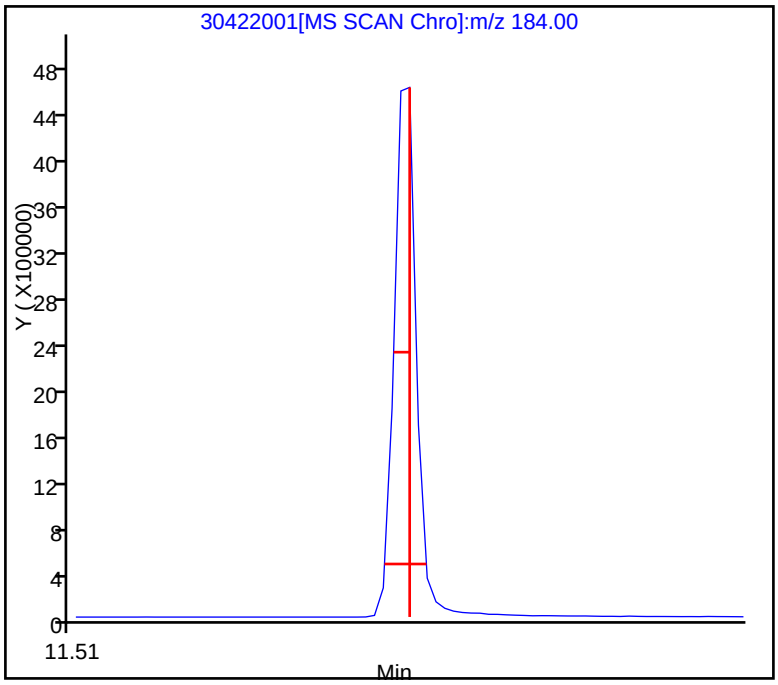
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422001.D

Injection Date:	22-Apr-2013 09:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.7, Max. Tailing < 3.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-81754/21-A

Matrix: Solid | Lab File ID: 30421004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.00(g) | Date Analyzed: 04/21/2013 12:14

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.7	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.7	3.3	3.3
120-12-7	Anthracene	3.3	U	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U	6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	27	U	70	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	70	27	10
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	50	27	13
218-01-9	Chrysene	3.3	U	6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.7	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	50	27	9.7
541-73-1	1,3-Dichlorobenzene	27	U	50	27	11
106-46-7	1,4-Dichlorobenzene	27	U	50	27	20
91-94-1	3,3'-Dichlorobenzidine	80	U	100	80	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	70	27	16
105-67-9	2,4-Dimethylphenol	80	U	150	80	20
131-11-3	Dimethyl phthalate	27	U	70	27	17
84-74-2	Di-n-butyl phthalate	24.5	J	70	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-81754/21-A

Matrix: Solid | Lab File ID: 30421004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.00(g) | Date Analyzed: 04/21/2013 12:14

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	80	U	150	80	80
51-28-5	2,4-Dinitrophenol	80	U	330	80	80
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	70	27	27
206-44-0	Fluoranthene	3.3	U	6.7	3.3	3.3
86-73-7	Fluorene	3.3	U	6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	3.3	U	6.7	3.3	3.3
95-48-7	2-Methylphenol	80	U	200	80	80
15831-10-4	3 & 4 Methylphenol	80	U	400	80	20
91-20-3	Naphthalene	3.3	U	6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.1
99-09-2	3-Nitroaniline	80	U	200	80	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	80	U	330	80	80
621-64-7	N-Nitrosodi-n-propylamine	27	U	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	50	27	21
87-86-5	Pentachlorophenol	80	U	150	80	80
85-01-8	Phenanthrene	3.3	U	6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	3.3	U	6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	80	U	150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-81754/21-A

Matrix: Solid Lab File ID: 30421004.D

Analysis Method: 8270C/DoD Date Collected:

Extract. Method: 3540C Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.00(g) Date Analyzed: 04/21/2013 12:14

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	50		45-105
367-12-4	2-Fluorophenol (Surr)	47		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	50		35-100
4165-62-2	Phenol-d5 (Surr)	53		40-100
1718-51-0	Terphenyl-d14 (Surr)	61		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	40		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421004.D
Lims ID: MB 240-81754/21-A Client ID:
Inject. Date: 21-Apr-2013 12:14:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0019112-004
Misc. Info.: MB 240-81754/21-A =MB 240-81754/21-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 82876 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 21-Apr-2013 12:40:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.735	6.734	0.001	95	151244	4.00	
* 2 Naphthalene-d8	136	7.841	7.845	-0.004	99	628127	4.00	
* 3 Acenaphthene-d10	164	9.348	9.352	-0.004	77	375133	4.00	
* 4 Phenanthrene-d10	188	10.625	10.623	0.002	93	664171	4.00	
* 5 Chrysene-d12	240	12.996	13.001	-0.005	80	717320	4.00	
* 6 Perylene-d12	264	15.058	15.057	0.001	93	592710	4.00	
$ 7 2-Fluorophenol	112	5.544	5.532	0.012	94	429873	6.99	
$ 8 Phenol-d5	99	6.361	6.360	0.001	87	652226	7.90	
$ 9 Nitrobenzene-d5	82	7.200	7.204	-0.004	85	459846	4.96	
$ 10 2-Fluorobiphenyl (Surr)	172	8.739	8.738	0.001	98	561896	5.03	
$ 11 2,4,6-Tribromophenol	330	10.021	10.020	0.001	88	73096	6.03	
$ 12 Terphenyl-d14	244	11.939	11.937	0.002	98	780367	6.07	
249 4-Chlorophenol TIC	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
244 n-Octadecane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
247 Hexadecane	57		0.000					
243 n-Decane	57		0.000					
19 Octachlorostyrene	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	73		1.920					
28 Ethyl methacrylate	69		1.926					
29 3-Chloropropionitrile	54		2.118					
31 2-Picoline	93		2.224					
32 N-Nitrosomethylethylamine	88		2.288					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
233 n,n'-Dimethylacetamide	44		2.465					
35 Acrylamide	71		2.475					
34 Methyl methanesulfonate	80		2.485					
36 N-Nitrosodiethylamine	102		2.763					
37 Ethyl methanesulfonate	79		2.961					
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
45 Pentachloroethane	167		3.340					
25 1,4-Dioxane	88		3.524					
232 1-Methyl-2-pyrrilidinone	99		3.555					
42 Phenylmercaptan	110		3.596					
56 N-Nitrosopyrrolidine	100		3.842					
59 N-Nitrosomorpholine	56		3.869					
60 2-Toluidine	106		3.885					
26 N-Nitrosodimethylamine	74		3.983					
27 Pyridine	79		4.047					
63 N-Nitrosopiperidine	114		4.120					
67 1,3,5-Trichlorobenzene	180		4.164					
68 o,o',o''-Triethylphosphorothioat	198		4.318					
24 Catechol	110		4.410					
72 alpha,alpha-Dimethyl phenethylam	58		4.414					
80 1,2,3-Trichlorobenzene	180		4.602					
77 2,6-Dichlorophenol	162		4.628					
78 Hexachloropropene	213		4.654					
81 Benzothiazole	135		4.698					
15 3-Methylcatechol	124		4.794					
82 Quinoline	129		4.857					9
83 N-Nitrosodi-n-butylamine	84		4.884					
85 p-Phenylene diamine	108		4.905					
14 4-Methylcatechol	124		5.036					
94 Safrole, Total	162		5.066					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
225 Isosafrole Peak 1	162		5.306					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					
227 Isosafrole Peak 2	162		5.498					
101 Phenyl ether	170		5.521					
246 1-Chloronaphthalene	162		5.578					
103 1,4-Naphthoquinone	158		5.701					
104 1,4-Dinitrobenzene	168		5.744					
108 1,2-Dinitrobenzene	168		5.777					
115 Pentachlorobenzene	250		6.161					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
117 1-Naphthylamine	143		6.257					
120 2-Naphthylamine	143		6.321					
41 Benzaldehyde	77		6.339					9
43 Phenol	94		6.371					9
44 Aniline	93		6.430					
122 Thionazin	97		6.433					9
127 Tributyl phosphate	99		6.434					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethyl)ether	93		6.462					9
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128		6.553					
130 Diphenylamine	169		6.567					
134 Sulfotepp	202		6.684					
47 1,3-Dichlorobenzene	146		6.691					
48 1,4-Dichlorobenzene	146		6.750					
135 1,3,5-Trinitrobenzene	213		6.775					
228 Diallate Peak 1	86		6.807					9
138 Phorate	121		6.812					
137 Phenacetin	108		6.818					9
49 Benzyl alcohol	108		6.825					9
230 Diallate Peak 2	86		6.882					9
50 1,2-Dichlorobenzene	146		6.889					9
51 2-Methylphenol	108		6.905					9
53 2,2'-oxybis[1-chloropropane]	45		6.937					
140 Dimethoate	87		6.962					9
52 Indene	115		6.964					9
21 3 & 4 Methylphenol	108		7.028					
57 N-Nitrosodi-n-propylamine	70		7.044					
58 Acetophenone	105		7.060					
129 4-Aminobiphenyl	169		7.101					
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117		7.194					
62 Nitrobenzene	77		7.220					9
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					9
64 Isophorone	82		7.418					9
65 2,4-Dimethylphenol	107		7.493					
66 2-Nitrophenol	139		7.498					
71 Benzoic acid	122		7.546					9
152 Methyl parathion	109		7.566					
70 Bis(2-chloroethoxy)methane	93		7.568					
153 Diphenylsulfone	125		7.631					
73 2,4-Dichlorophenol	162		7.701					
74 1,2,4-Trichlorobenzene	180		7.787					
75 Naphthalene	128		7.861					
76 4-Chloroaniline	127		7.872					
155 Ethyl Parathion	97		7.892					
156 4-Nitroquinoline-1-oxide	190		7.934					
79 Hexachlorobutadiene	225		7.958					
157 Methapyrilene	58		7.982					
84 Caprolactam	113		8.161					
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107		8.262					
87 2-Methylnaphthalene	142		8.449					
88 1-Methylnaphthalene	142		8.535					
226 Aramite Peak 1	185		8.565					
89 Hexachlorocyclopentadiene	237		8.588					
91 1,2,4,5-Tetrachlorobenzene	216		8.593					
229 Aramite Peak 2	185		8.629					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
92 2,4,6-Trichlorophenol	196		8.673					
93 2,4,5-Trichlorophenol	196		8.711					
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154		8.834					9
100 2-Chloronaphthalene	162		8.871					
102 2-Nitroaniline	65		8.924					
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163		9.047					
106 1,3-Dinitrobenzene	168		9.090					
107 2,6-Dinitrotoluene	165		9.111					
171 2-Acetylaminofluorene	181		9.211					
109 Acenaphthylene	152		9.234					
110 3-Nitroaniline	138		9.272					
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109		9.373					9
112 Acenaphthene	153		9.379					
176 Hexabromobenzene	232		9.394					
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
114 2,4-Dinitrotoluene	165		9.464					
116 Dibenzofuran	168		9.523					
119 2,3,4,6-Tetrachlorophenol	232		9.614					
121 Diethyl phthalate	149		9.640					9
123 4-Chlorophenyl phenyl ether	204		9.779					
125 4-Nitroaniline	138		9.795					
126 Fluorene	166		9.817					
128 4,6-Dinitro-2-methylphenol	198		9.822					
131 N-Nitrosodiphenylamine	169		9.875					
179 6-Methylchrysene	242		9.890					
133 Azobenzene	77		9.918					
132 1,2-Diphenylhydrazine	77		9.918					9
139 4-Bromophenyl phenyl ether	248		10.201					
142 Atrazine	200		10.287					
141 Hexachlorobenzene	284		10.303					
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
143 Pentachlorophenol	266		10.452					9
148 Phenanthrene	178		10.645					
149 Anthracene	178		10.687					
151 Carbazole	167		10.800					
154 Di-n-butyl phthalate	149	11.014	11.013	0.001	70	9539	0.3676	
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202		11.665					
160 Benzidine	184		11.724					9
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202		11.873					9
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.174					
168 Butyl benzyl phthalate	149		12.311					9
170 4,4'-DDT	235		12.452					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 Bis(2-ethylhexyl) phthalate	149	12.831	12.830	0.001	93	27120	0.2806	
175 3,3'-Dichlorobenzidine	252		12.899					
177 Benzo[a]anthracene	228		12.985					9
178 Chrysene	228		13.027					9
180 Di-n-octyl phthalate	149		13.577					
182 Benzo[b]fluoranthene	252		14.406					
183 Benzo[k]fluoranthene	252		14.448					
184 Benzo[a]pyrene	252		14.966					9
189 Dibenz(a,h)anthracene	278		17.354					
188 Indeno[1,2,3-cd]pyrene	276		17.354					
190 Benzo[g,h,i]perylene	276		18.070					
S 191 Methyl Phenols,Total	100		0.000					7
S 245 Total Cresols	100		0.000					
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.500					1
T 235 4-isopropylphenol TIC	121		4.700					1
T 236 3-isopropylphenol TIC	121		4.700					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 231 2,3,7,8-TCDD	322		9.600					1
T 192 Octadecane (TIC)	254		9.600					
T 196 Kepone TIC	272		10.100					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 197 Hexachlorophene TIC	198		13.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

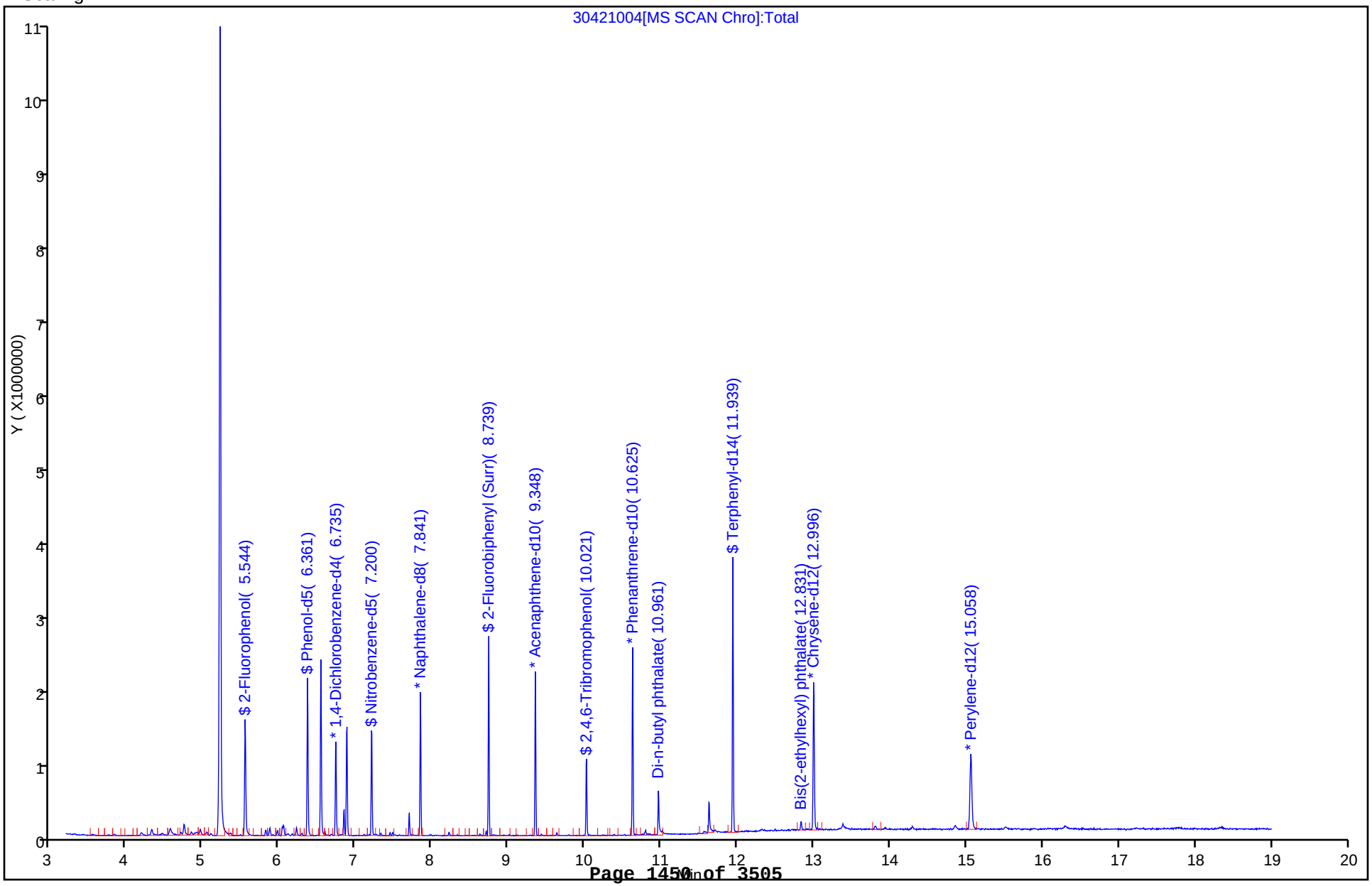
Report Date: 22-Apr-2013 08:55:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421004.D

Injection Date:	21-Apr-2013 12:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



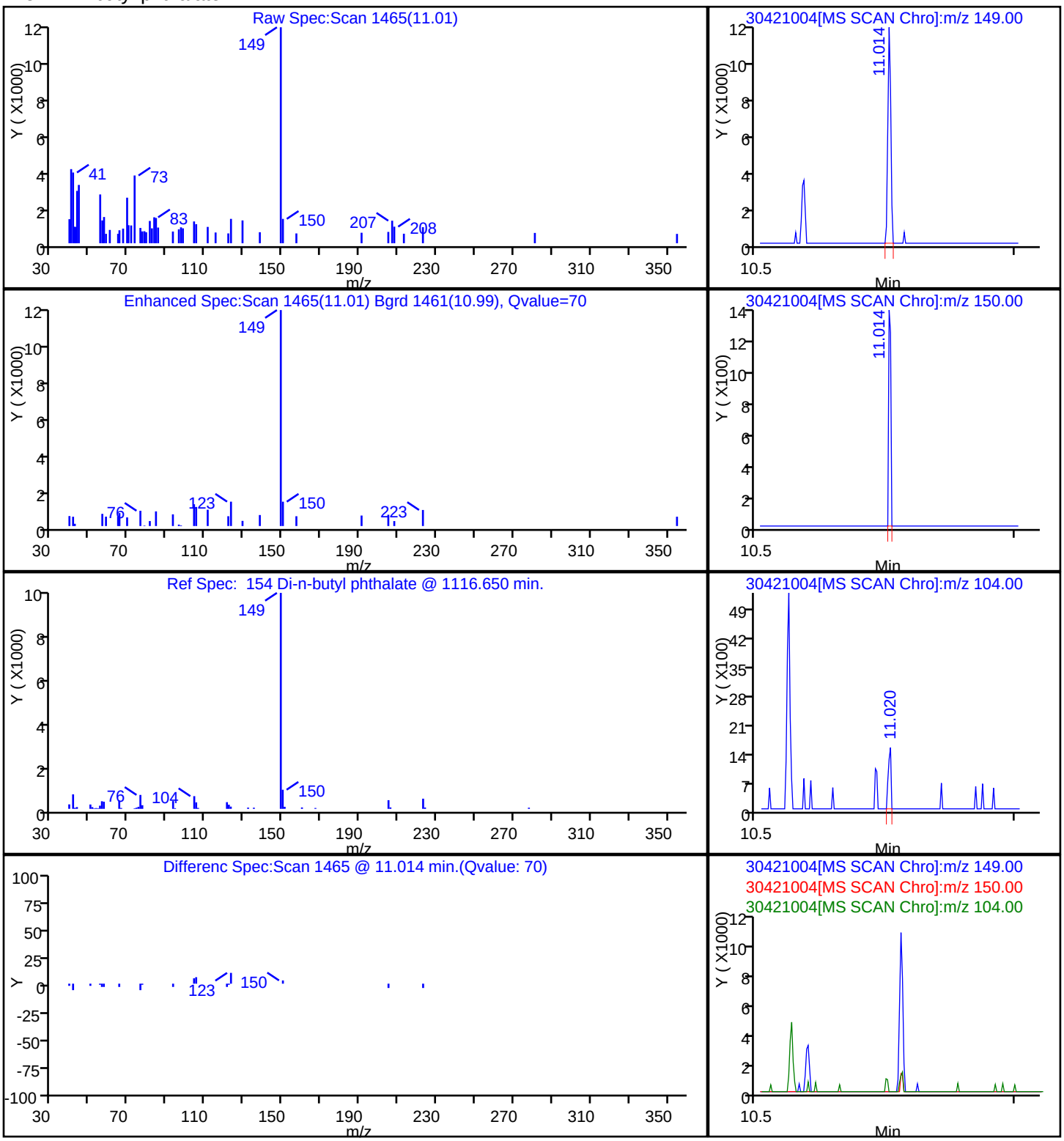
Report Date: 22-Apr-2013 08:55:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421004.D

Injection Date:	21-Apr-2013 12:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

154 Di-n-butyl phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-81754/22-A

Matrix: Solid | Lab File ID: 30421005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.00(g) | Date Analyzed: 04/21/2013 12:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	408		6.7	3.3	3.3
208-96-8	Acenaphthylene	417		6.7	3.3	3.3
120-12-7	Anthracene	509		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	533		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	479		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	520		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	501		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	498		6.7	3.3	3.3
100-51-6	Benzyl alcohol	409		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	402		100	27	22
111-44-4	Bis(2-chloroethyl)ether	379		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	397		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	600		70	27	19
101-55-3	4-Bromophenyl phenyl ether	554		50	27	13
85-68-7	Butyl benzyl phthalate	573		70	27	10
86-74-8	Carbazole	571		50	27	27
106-47-8	4-Chloroaniline	343		150	27	17
59-50-7	4-Chloro-3-methylphenol	461		150	27	21
91-58-7	2-Chloronaphthalene	391		50	3.3	3.3
95-57-8	2-Chlorophenol	420		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	471		50	27	13
218-01-9	Chrysene	549		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	514		6.7	3.3	3.3
132-64-9	Dibenzofuran	434		50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	390		50	27	9.7
541-73-1	1,3-Dichlorobenzene	378		50	27	11
106-46-7	1,4-Dichlorobenzene	385		50	27	20
91-94-1	3,3'-Dichlorobenzidine	374		100	80	18
120-83-2	2,4-Dichlorophenol	397		150	27	20
84-66-2	Diethyl phthalate	470		70	27	16
105-67-9	2,4-Dimethylphenol	333		150	80	20
131-11-3	Dimethyl phthalate	500		70	27	17
84-74-2	Di-n-butyl phthalate	611		70	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-81754/22-A

Matrix: Solid | Lab File ID: 30421005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.00(g) | Date Analyzed: 04/21/2013 12:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	538		150	80	80
51-28-5	2,4-Dinitrophenol	459		330	80	80
121-14-2	2,4-Dinitrotoluene	509		200	27	27
606-20-2	2,6-Dinitrotoluene	520		200	27	21
117-84-0	Di-n-octyl phthalate	478		70	27	27
206-44-0	Fluoranthene	605		6.7	3.3	3.3
86-73-7	Fluorene	471		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	584		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	375		50	27	27
77-47-4	Hexachlorocyclopentadiene	353		330	27	27
67-72-1	Hexachloroethane	381		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	507		6.7	3.3	3.3
78-59-1	Isophorone	382		50	27	13
91-57-6	2-Methylnaphthalene	385		6.7	3.3	3.3
95-48-7	2-Methylphenol	406		200	80	80
15831-10-4	3 & 4 Methylphenol	838		400	80	20
91-20-3	Naphthalene	381		6.7	3.3	3.3
88-74-4	2-Nitroaniline	516		200	27	9.1
99-09-2	3-Nitroaniline	433		200	80	16
100-01-6	4-Nitroaniline	473		200	27	26
98-95-3	Nitrobenzene	393		100	3.3	2.2
88-75-5	2-Nitrophenol	407		50	27	27
100-02-7	4-Nitrophenol	574		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	396		50	27	27
86-30-6	N-Nitrosodiphenylamine	544		50	27	21
87-86-5	Pentachlorophenol	456		150	80	80
85-01-8	Phenanthrene	503		6.7	3.3	3.3
108-95-2	Phenol	419		50	27	27
129-00-0	Pyrene	591		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	380		50	27	27
95-95-4	2,4,5-Trichlorophenol	474		150	27	25
88-06-2	2,4,6-Trichlorophenol	411		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-81754/22-A

Matrix: Solid | Lab File ID: 30421005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.00(g) | Date Analyzed: 04/21/2013 12:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	53		45-105
367-12-4	2-Fluorophenol (Surr)	55		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	54		35-100
4165-62-2	Phenol-d5 (Surr)	57		40-100
1718-51-0	Terphenyl-d14 (Surr)	63		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	62		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421005.D
Lims ID: LCS 240-81754/22-A Client ID:
Inject. Date: 21-Apr-2013 12:40:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0019112-005
Misc. Info.: LCS 240-81754/22-A =LCS 240-81754/22-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 82876 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:32:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.736	6.734	0.002	95	163695	4.00	
* 2 Naphthalene-d8	136	7.842	7.845	-0.003	98	702635	4.00	
* 3 Acenaphthene-d10	164	9.348	9.352	-0.004	82	411968	4.00	
* 4 Phenanthrene-d10	188	10.625	10.623	0.002	97	580314	4.00	
* 5 Chrysene-d12	240	12.997	13.001	-0.004	80	815067	4.00	
* 6 Perylene-d12	264	15.053	15.057	-0.004	86	685341	4.00	
$ 7 2-Fluorophenol	112	5.544	5.532	0.012	94	552837	8.31	
$ 8 Phenol-d5	99	6.362	6.360	0.002	93	766668	8.58	
$ 9 Nitrobenzene-d5	82	7.200	7.204	-0.004	85	557760	5.38	
$ 10 2-Fluorobiphenyl (Surr)	172	8.739	8.738	0.001	99	655813	5.35	
$ 11 2,4,6-Tribromophenol	330	10.021	10.020	0.001	91	123299	9.26	
$ 12 Terphenyl-d14	244	11.939	11.937	0.002	98	915358	6.27	
31 2-Picoline	93		2.224					
37 Ethyl methanesulfonate	79		2.961					
25 1,4-Dioxane	88	3.520	3.524	-0.004	89	84477	2.53	
26 N-Nitrosodimethylamine	74	3.979	3.983	-0.004	86	300033	5.44	
27 Pyridine	79	4.043	4.047	-0.004	95	331251	3.60	
82 Quinoline	129		4.857					9
94 Safrole, Total	162		5.066					
104 1,4-Dinitrobenzene	168		5.744					
108 1,2-Dinitrobenzene	168		5.777					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
41 Benzaldehyde	77	6.340	6.339	0.001	87	393387	5.52	
43 Phenol	94	6.372	6.371	0.001	90	578291	6.29	
44 Aniline	93	6.431	6.430	0.001	96	446300	3.76	
69 Bis(2-chloroethyl)ether	93	6.458	6.462	-0.004	97	467705	5.68	
46 2-Chlorophenol	128	6.554	6.553	0.001	91	333153	6.30	
47 1,3-Dichlorobenzene	146	6.688	6.691	-0.003	85	314261	5.67	
48 1,4-Dichlorobenzene	146	6.746	6.750	-0.004	79	329145	5.77	
138 Phorate	121		6.812					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
137 Phenacetin	108		6.818					
49 Benzyl alcohol	108	6.821	6.825	-0.004	85	252794	6.13	
50 1,2-Dichlorobenzene	146	6.891	6.889	0.002	85	309925	5.85	
51 2-Methylphenol	108	6.907	6.905	0.002	85	356087	6.09	
53 2,2'-oxybis[1-chloropropane]	45	6.933	6.937	-0.004	95	459486	5.96	
21 3 & 4 Methylphenol	108	7.030	7.028	0.002	95	764271	12.6	
57 N-Nitrosodi-n-propylamine	70	7.046	7.044	0.002	73	368909	5.93	
58 Acetophenone	105	7.062	7.060	0.002	68	566810	5.84	
144 Pronamide	173		7.138					
61 Hexachloroethane	117	7.195	7.194	0.001	81	154667	5.72	
62 Nitrobenzene	77	7.216	7.220	-0.004	76	553013	5.89	
64 Isophorone	82	7.414	7.418	-0.004	95	890965	5.74	
65 2,4-Dimethylphenol	107	7.494	7.493	0.001	90	328912	4.99	
66 2-Nitrophenol	139	7.494	7.498	-0.004	83	170225	6.11	
71 Benzoic acid	122	7.542	7.546	-0.004	1	12631	1.77	
70 Bis(2-chloroethoxy)methane	93	7.569	7.568	0.001	98	542555	6.04	
73 2,4-Dichlorophenol	162	7.703	7.701	0.002	94	257027	5.96	
74 1,2,4-Trichlorobenzene	180	7.783	7.787	-0.004	86	281287	5.69	
75 Naphthalene	128	7.863	7.861	0.002	98	971379	5.72	
76 4-Chloroaniline	127	7.874	7.872	0.002	70	459461	5.14	
79 Hexachlorobutadiene	225	7.959	7.958	0.001	91	164370	5.62	
84 Caprolactam	113	8.146	8.161	-0.015	83	142457	7.45	
86 4-Chloro-3-methylphenol	107	8.258	8.262	-0.004	86	406324	6.92	
87 2-Methylnaphthalene	142	8.445	8.449	-0.004	83	619277	5.78	
88 1-Methylnaphthalene	142	8.536	8.535	0.001	80	581618	5.81	
89 Hexachlorocyclopentadiene	237	8.584	8.588	-0.004	88	174125	5.29	
92 2,4,6-Trichlorophenol	196	8.675	8.673	0.002	87	184936	6.17	
93 2,4,5-Trichlorophenol	196	8.707	8.711	-0.004	85	217593	7.11	
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154	8.830	8.834	-0.004	96	786850	5.73	
100 2-Chloronaphthalene	162	8.867	8.871	-0.004	98	600775	5.87	
102 2-Nitroaniline	65	8.926	8.924	0.002	70	349417	7.75	
105 Dimethyl phthalate	163	9.049	9.047	0.002	94	804190	7.50	
106 1,3-Dinitrobenzene	168	9.092	9.090	0.002	81	141481	8.12	
107 2,6-Dinitrotoluene	165	9.113	9.111	0.002	73	192978	7.80	
109 Acenaphthylene	152	9.230	9.234	-0.004	92	989804	6.25	
110 3-Nitroaniline	138	9.268	9.272	-0.004	84	172838	6.50	
111 2,4-Dinitrophenol	184	9.353	9.357	-0.004	62	88767	6.88	
113 4-Nitrophenol	109	9.369	9.373	-0.004	85	189407	8.61	
112 Acenaphthene	153	9.380	9.379	0.001	93	611812	6.12	
114 2,4-Dinitrotoluene	165	9.460	9.464	-0.004	74	240326	7.64	
116 Dibenzofuran	168	9.519	9.523	-0.004	82	938003	6.51	
119 2,3,4,6-Tetrachlorophenol	232	9.615	9.614	0.001	74	144217	6.06	
121 Diethyl phthalate	149	9.636	9.640	-0.004	93	704439	7.05	
123 4-Chlorophenyl phenyl ether	204	9.781	9.779	0.002	94	398972	7.07	
125 4-Nitroaniline	138	9.791	9.795	-0.004	76	211170	7.10	
126 Fluorene	166	9.813	9.817	-0.004	80	797911	7.06	
128 4,6-Dinitro-2-methylphenol	198	9.818	9.822	-0.004	72	152731	8.08	
131 N-Nitrosodiphenylamine	169	9.872	9.875	-0.003	99	557522	8.16	
133 Azobenzene	77	9.914	9.918	-0.004	95	1381140	8.19	
132 1,2-Diphenylhydrazine	77	9.914	9.918	-0.004	98	1382152	8.20	
139 4-Bromophenyl phenyl ether	248	10.203	10.201	0.002	69	214205	8.31	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
142 Atrazine	200	10.283	10.287	-0.004	82	282439	9.28	
141 Hexachlorobenzene	284	10.304	10.303	0.001	89	230246	8.76	
143 Pentachlorophenol	266	10.448	10.452	-0.004	74	109833	6.84	
148 Phenanthrene	178	10.646	10.645	0.001	98	1080635	7.55	
149 Anthracene	178	10.689	10.687	0.002	88	1080263	7.63	
151 Carbazole	167	10.801	10.800	0.001	83	1204284	8.57	
154 Di-n-butyl phthalate	149	11.015	11.013	0.002	100	1600366	9.16	
159 Fluoranthene	202	11.666	11.665	0.001	99	1573779	9.07	
161 Pyrene	202	11.869	11.873	-0.004	96	1595135	8.87	
168 Butyl benzyl phthalate	149	12.313	12.311	0.002	91	704600	8.59	
173 Bis(2-ethylhexyl) phthalate	149	12.831	12.830	0.001	94	987957	9.00	
175 3,3'-Dichlorobenzidine	252	12.895	12.899	-0.004	66	347874	5.60	
177 Benzo[a]anthracene	228	12.986	12.985	0.002	90	1539702	7.99	
178 Chrysene	228	13.029	13.027	0.002	94	1527806	8.24	
180 Di-n-octyl phthalate	149	13.579	13.577	0.002	99	1631796	7.17	
182 Benzo[b]fluoranthene	252	14.402	14.406	-0.004	94	1381832	7.80	
183 Benzo[k]fluoranthene	252	14.444	14.448	-0.004	90	1500629	7.47	
184 Benzo[a]pyrene	252	14.963	14.966	-0.003	76	1246798	7.18	
189 Dibenz(a,h)anthracene	278	17.351	17.354	-0.004	62	1105813	7.71	
188 Indeno[1,2,3-cd]pyrene	276	17.345	17.354	-0.009	92	1338898	7.60	
190 Benzo[g,h,i]perylene	276	18.061	18.070	-0.009	93	1092214	7.51	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

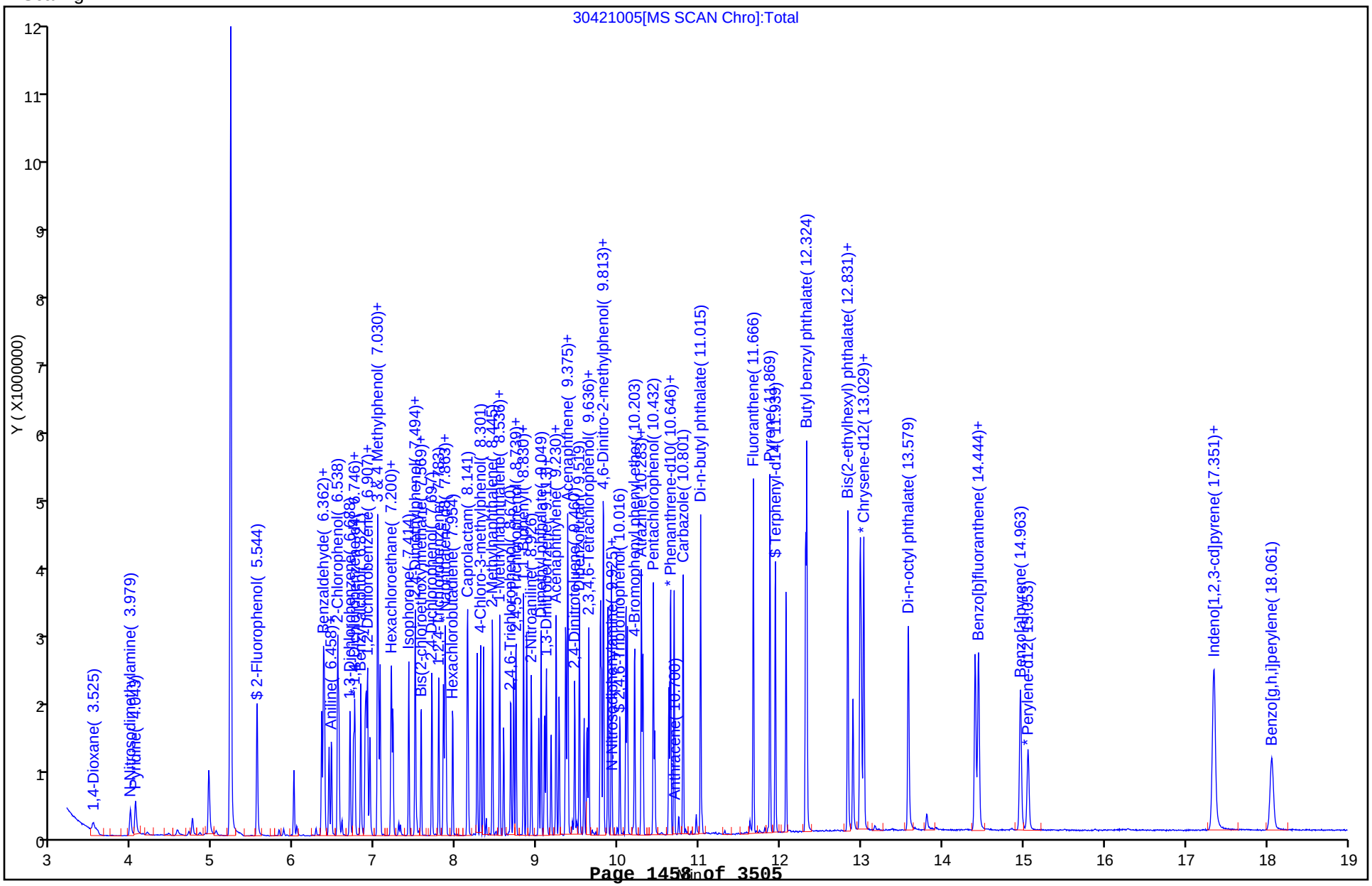
Report Date: 22-Apr-2013 08:55:41 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421005.D

Injection Date:	21-Apr-2013 12:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82876/3

Matrix: Solid | Lab File ID: 30421003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/21/2013 11:42

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.95		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	4.86		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.08		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.95		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.97		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.12		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.99		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.53		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	4.89		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.28		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.27		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.15		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	5.16		1.0	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.30		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	6.21		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.19		0.0020	0.00080	0.00080
86-74-8	Carbazole	5.23		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.15		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	5.11		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.82		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.17		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.32		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.01		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.15		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.95		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.12		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.11		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.09		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	10.7		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.16		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.86		0.0020	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.08		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.28		0.0020	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.50		0.0020	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82876/3

Matrix: Solid | Lab File ID: 30421003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/21/2013 11:42

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	10.0		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	9.93		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.18		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.32		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.68		0.0020	0.00080	0.00080
206-44-0	Fluoranthene	5.38		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.09		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.98		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.05		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	5.10		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.09		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.06		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.13		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.12		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.29		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.20		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.99		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.19		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.13		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	4.57		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.11		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.34		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	9.41		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.31		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	11.6		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.46		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.89		0.00020	0.00010	0.00010
108-95-2	Phenol	5.02		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.44		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.11		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	4.88		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.07		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82876/3

Matrix: Solid | Lab File ID: 30421003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/21/2013 11:42

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	94		50-150
367-12-4	2-Fluorophenol (Surr)	99		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	100		50-150
4165-62-2	Phenol-d5 (Surr)	103	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	101		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	102		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421003.D		
Lims ID:	mrl qc	Client ID:	
Inject. Date:	21-Apr-2013 11:42:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0019112-003		
Misc. Info.:	MRL QC =MRL QC		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	82876	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m		
Last Update:	22-Apr-2013 08:55:38	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK030		
First Level Reviewer: ulmanm		Date:	21-Apr-2013 12:13:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.735	6.734	0.001	94	183085	4.00	
* 2 Naphthalene-d8	136	7.841	7.845	-0.004	99	769532	4.00	
* 3 Acenaphthene-d10	164	9.348	9.352	-0.004	81	472374	4.00	
* 4 Phenanthrene-d10	188	10.624	10.623	0.001	98	652578	4.00	
* 5 Chrysene-d12	240	12.996	13.001	-0.005	80	910406	4.00	
* 6 Perylene-d12	264	15.053	15.057	-0.004	97	734583	4.00	
$ 7 2-Fluorophenol	112	5.528	5.532	-0.004	91	369272	4.96	
$ 8 Phenol-d5	99	6.356	6.360	-0.004	90	515369	5.16	
$ 9 Nitrobenzene-d5	82	7.200	7.204	-0.004	84	569448	5.02	
$ 10 2-Fluorobiphenyl (Surr)	172	8.739	8.738	0.001	99	661923	4.71	
$ 11 2,4,6-Tribromophenol	330	10.021	10.020	0.001	91	78091	5.12	
$ 12 Terphenyl-d14	244	11.939	11.937	0.002	99	823381	5.05	
249 4-Chlorophenol TIC	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
244 n-Octadecane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
247 Hexadecane	57		0.000					
243 n-Decane	57		0.000					
19 Octachlorostyrene	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	73		1.920					
28 Ethyl methacrylate	69		1.926					
29 3-Chloropropionitrile	54		2.118					
31 2-Picoline	93		2.224					
32 N-Nitrosomethylethylamine	88		2.288					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
233 n,n'-Dimethylacetamide	44		2.465					
35 Acrylamide	71		2.475					
34 Methyl methanesulfonate	80		2.485					
36 N-Nitrosodiethylamine	102		2.763					
37 Ethyl methanesulfonate	79		2.961					
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
45 Pentachloroethane	167		3.340					
25 1,4-Dioxane	88	3.530	3.524	0.006	91	179977	4.82	
232 1-Methyl-2-pyrrilidinone	99		3.555					
42 Phenylmercaptan	110		3.596					
56 N-Nitrosopyrrolidine	100		3.842					
59 N-Nitrosomorpholine	56		3.869					
60 2-Toluidine	106		3.885					
26 N-Nitrosodimethylamine	74	3.984	3.983	0.001	80	310267	5.03	
27 Pyridine	79	4.048	4.047	0.001	95	509289	4.95	
63 N-Nitrosopiperidine	114		4.120					
67 1,3,5-Trichlorobenzene	180		4.164					
68 o,o',o''-Triethylphosphorothioat	198		4.318					
24 Catechol	110		4.410					
72 alpha,alpha-Dimethyl phenethylam	58		4.414					
80 1,2,3-Trichlorobenzene	180		4.602					
77 2,6-Dichlorophenol	162		4.628					
78 Hexachloropropene	213		4.654					
81 Benzothiazole	135		4.698					
15 3-Methylcatechol	124		4.794					
82 Quinoline	129		4.857					
83 N-Nitrosodi-n-butylamine	84		4.884					9
85 p-Phenylene diamine	108		4.905					
14 4-Methylcatechol	124		5.036					
94 Safrole, Total	162		5.066					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
225 Isosafrole Peak 1	162		5.306					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					
227 Isosafrole Peak 2	162		5.498					
101 Phenyl ether	170		5.521					
246 1-Chloronaphthalene	162		5.578					
103 1,4-Naphthoquinone	158		5.701					
104 1,4-Dinitrobenzene	168		5.744					
108 1,2-Dinitrobenzene	168		5.777					
115 Pentachlorobenzene	250		6.161					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
117 1-Naphthylamine	143		6.257					
120 2-Naphthylamine	143		6.321					
41 Benzaldehyde	77	6.340	6.339	0.001	86	825042	10.4	
43 Phenol	94	6.372	6.371	0.001	92	516704	5.02	
44 Aniline	93	6.431	6.430	0.001	94	678840	5.11	
122 Thionazin	97		6.433					9
127 Tributyl phosphate	99		6.434					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethyl)ether	93	6.457	6.462	-0.005	96	473998	5.15	
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128	6.548	6.553	-0.005	89	305677	5.17	
130 Diphenylamine	169		6.567					
134 Sulfotepp	202		6.684					
47 1,3-Dichlorobenzene	146	6.687	6.691	-0.004	88	316851	5.11	
48 1,4-Dichlorobenzene	146	6.746	6.750	-0.004	82	324588	5.09	
135 1,3,5-Trinitrobenzene	213		6.775					
228 Diallate Peak 1	86		6.807					
138 Phorate	121		6.812					9
137 Phenacetin	108		6.818					
49 Benzyl alcohol	108	6.821	6.825	-0.004	84	243360	5.28	
230 Diallate Peak 2	86		6.882					9
50 1,2-Dichlorobenzene	146	6.890	6.889	0.001	85	303096	5.12	
51 2-Methylphenol	108	6.901	6.905	-0.004	94	345664	5.29	
53 2,2'-oxybis[1-chloropropane]	45	6.933	6.937	-0.004	94	445340	5.16	
140 Dimethoate	87		6.962					9
52 Indene	115	6.965	6.964	0.001	69	1250271	10.3	
21 3 & 4 Methylphenol	108	7.029	7.028	0.001	95	353871	5.20	
57 N-Nitrosodi-n-propylamine	70	7.045	7.044	0.001	69	368972	5.31	
58 Acetophenone	105	7.061	7.060	0.001	83	560183	5.16	
129 4-Aminobiphenyl	169		7.101					9
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117	7.195	7.194	0.001	83	153945	5.09	
62 Nitrobenzene	77	7.221	7.220	0.001	76	524834	5.11	
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					9
64 Isophorone	82	7.414	7.418	-0.004	96	871884	5.13	
65 2,4-Dimethylphenol	107	7.489	7.493	-0.004	94	366653	5.08	
66 2-Nitrophenol	139	7.499	7.498	0.001	87	163102	5.34	
71 Benzoic acid	122	7.531	7.546	-0.015	79	332657	9.53	
152 Methyl parathion	109		7.566					9
70 Bis(2-chloroethoxy)methane	93	7.569	7.568	0.001	95	518389	5.27	
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162	7.697	7.701	-0.004	93	243706	5.16	
74 1,2,4-Trichlorobenzene	180	7.782	7.787	-0.005	85	276591	5.11	
75 Naphthalene	128	7.862	7.861	0.001	97	928942	4.99	
76 4-Chloroaniline	127	7.873	7.872	0.001	71	503814	5.15	
155 Ethyl Parathion	97		7.892					9
156 4-Nitroquinoline-1-oxide	190		7.934					9
79 Hexachlorobutadiene	225	7.959	7.958	0.001	90	161667	5.05	
157 Methapyrilene	58		7.982					
84 Caprolactam	113	8.151	8.161	-0.010	83	219957	10.5	
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107	8.258	8.262	-0.004	86	328797	5.11	
87 2-Methylnaphthalene	142	8.445	8.449	-0.004	84	601344	5.12	
88 1-Methylnaphthalene	142	8.536	8.535	0.001	80	556805	5.08	
226 Aramite Peak 1	185		8.565					9
89 Hexachlorocyclopentadiene	237	8.589	8.588	0.001	91	192561	5.10	
91 1,2,4,5-Tetrachlorobenzene	216	8.594	8.593	0.001	88	266201	4.91	
229 Aramite Peak 2	185		8.629					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
92 2,4,6-Trichlorophenol	196	8.674	8.673	0.001	88	174456	5.07	
93 2,4,5-Trichlorophenol	196	8.712	8.711	0.001	88	171173	4.88	
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154	8.829	8.834	-0.005	96	755313	4.79	
100 2-Chloronaphthalene	162	8.867	8.871	-0.004	98	565239	4.82	
102 2-Nitroaniline	65	8.926	8.924	0.002	72	268415	5.19	
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163	9.048	9.047	0.001	94	648931	5.28	
106 1,3-Dinitrobenzene	168	9.091	9.090	0.001	81	106341	5.32	
107 2,6-Dinitrotoluene	165	9.113	9.111	0.002	62	150899	5.32	
171 2-Acetylaminofluorene	181		9.211					
109 Acenaphthylene	152	9.230	9.234	-0.004	92	881997	4.86	
110 3-Nitroaniline	138	9.267	9.272	-0.005	86	156305	5.13	
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184	9.353	9.357	-0.004	70	157375	9.93	
113 4-Nitrophenol	109	9.369	9.373	-0.004	85	237393	9.41	
112 Acenaphthene	153	9.380	9.379	0.001	92	567396	4.95	
176 Hexabromobenzene	232		9.394					
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
114 2,4-Dinitrotoluene	165	9.460	9.464	-0.004	74	186885	5.18	
116 Dibenzofuran	168	9.519	9.523	-0.004	85	817064	4.95	
119 2,3,4,6-Tetrachlorophenol	232	9.615	9.614	0.001	73	147573	5.40	
121 Diethyl phthalate	149	9.636	9.640	-0.004	94	556189	4.86	
123 4-Chlorophenyl phenyl ether	204	9.780	9.779	0.001	94	344618	5.32	
125 4-Nitroaniline	138	9.791	9.795	-0.004	77	145897	4.57	
126 Fluorene	166	9.812	9.817	-0.005	79	659583	5.09	
128 4,6-Dinitro-2-methylphenol	198	9.818	9.822	-0.004	79	219260	10.0	
131 N-Nitrosodiphenylamine	169	9.871	9.875	-0.004	99	889139	11.6	
179 6-Methylchrysene	242		9.890					
133 Azobenzene	77	9.914	9.918	-0.004	95	1145600	6.04	
132 1,2-Diphenylhydrazine	77	9.914	9.918	-0.004	99	1144738	6.04	
139 4-Bromophenyl phenyl ether	248	10.202	10.201	0.001	69	179870	6.21	
142 Atrazine	200	10.282	10.287	-0.005	82	369470	10.8	
141 Hexachlorobenzene	284	10.304	10.303	0.001	83	176769	5.98	
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
143 Pentachlorophenol	266	10.448	10.452	-0.004	79	178706	9.46	
148 Phenanthrene	178	10.646	10.645	0.001	98	786878	4.89	
149 Anthracene	178	10.688	10.687	0.001	99	809505	5.08	
150 DFTPP								
151 Carbazole	167	10.801	10.800	0.001	82	811808	5.23	
154 Di-n-butyl phthalate	149	11.014	11.013	0.001	100	1053726	5.50	
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202	11.666	11.665	0.001	99	1047986	5.38	
160 Benzidine	184	11.725	11.724	0.001	99	956870	10.8	
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202	11.869	11.873	-0.004	94	1094060	5.44	
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.174					
168 Butyl benzyl phthalate	149	12.307	12.311	-0.004	89	475222	5.19	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.452					
173 Bis(2-ethylhexyl) phthalate	149	12.831	12.830	0.001	94	650520	5.30	
175 3,3'-Dichlorobenzidine	252	12.895	12.899	-0.004	70	739632	10.7	
177 Benzo[a]anthracene	228	12.986	12.985	0.002	90	1064565	4.95	
178 Chrysene	228	13.028	13.027	0.001	94	1037058	5.01	
180 Di-n-octyl phthalate	149	13.579	13.577	0.002	99	1113563	4.68	
182 Benzo[b]fluoranthene	252	14.401	14.406	-0.005	93	972669	5.12	
183 Benzo[k]fluoranthene	252	14.444	14.448	-0.004	86	1053550	4.89	
184 Benzo[a]pyrene	252	14.962	14.966	-0.004	76	924009	4.97	
189 Dibenz(a,h)anthracene	278	17.350	17.354	-0.004	56	790887	5.15	
188 Indeno[1,2,3-cd]pyrene	276	17.345	17.354	-0.009	92	955748	5.06	
190 Benzo[g,h,i]perylene	276	18.055	18.070	-0.015	90	778189	4.99	
S 191 Methyl Phenols,Total	100				0		10.5	
S 245 Total Cresols	100				0		10.5	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.500					1
T 235 4-isopropylphenol TIC	121		4.700					1
T 236 3-isopropylphenol TIC	121		4.700					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 231 2,3,7,8-TCDD	322		9.600					1
T 192 Octadecane (TIC)	254		9.600					
T 196 Kepone TIC	272		10.100					
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 197 Hexachlorophene TIC	198		13.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

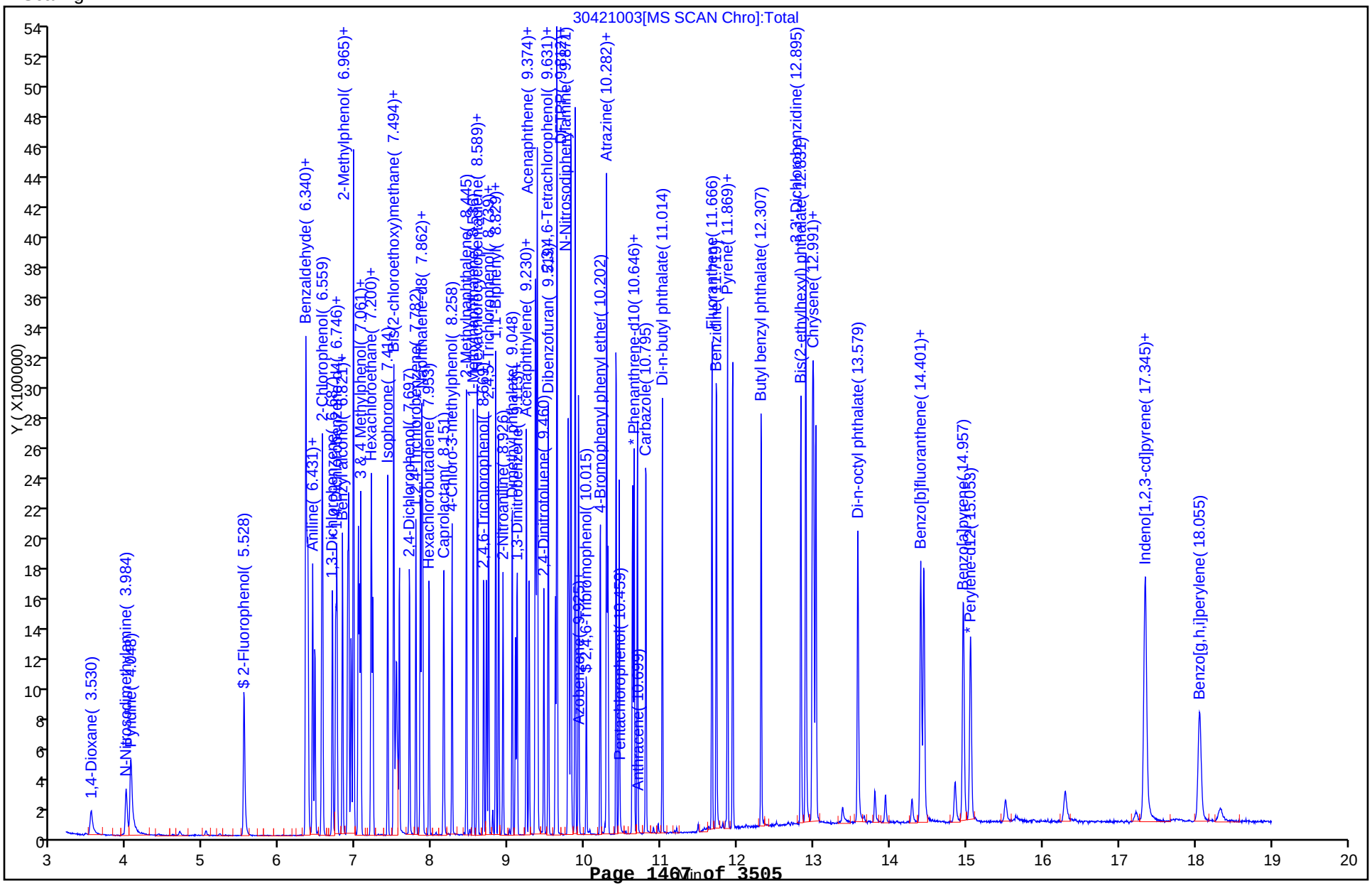
Report Date: 22-Apr-2013 08:55:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421003.D

Injection Date:	21-Apr-2013 11:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82876/23

Matrix: Solid | Lab File ID: 30421023.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/21/2013 20:30

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.90		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	4.94		0.00020	0.00010	0.00010
120-12-7	Anthracene	4.95		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.94		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.97		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.96		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.03		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.11		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	4.75		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.16		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	4.95		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	4.71		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	4.89		1.0	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.30		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.74		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.17		0.0020	0.00080	0.00080
86-74-8	Carbazole	5.32		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.10		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	5.06		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.80		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.10		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.23		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.87		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.22		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.92		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.08		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.10		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.05		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	11.0		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	4.92		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.71		0.0020	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.89		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.27		0.0020	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.57		0.0020	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82876/23

Matrix: Solid | Lab File ID: 30421023.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/21/2013 20:30

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	7.98		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	6.26	^	0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	4.68		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.26		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.38		0.0020	0.00080	0.00080
206-44-0	Fluoranthene	5.35		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.12		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.75		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.04		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	2.35	^	0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.81		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.07		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.89		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.99		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.12		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.18		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.93		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.01		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.16		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	4.75		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.79		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.11		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	9.22		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.12		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	11.2		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.82		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.75		0.00020	0.00010	0.00010
108-95-2	Phenol	4.97		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.41		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	4.91		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	4.93		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	4.98		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82876/23

Matrix: Solid | Lab File ID: 30421023.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/21/2013 20:30

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	95		50-150
367-12-4	2-Fluorophenol (Surr)	96		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	93		50-150
4165-62-2	Phenol-d5 (Surr)	98		50-150
1718-51-0	Terphenyl-d14 (Surr)	101		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	95		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421023.D		
Lims ID:	mrl qccl	Client ID:	
Inject. Date:	21-Apr-2013 20:30:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0019112-023		
Misc. Info.:	MRL QCCL =MRL QCCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	82876	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m		
Last Update:	22-Apr-2013 08:58:15	Calib Date:	19-Apr-2013 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK030		
First Level Reviewer: ulmanm		Date:	22-Apr-2013 08:08:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.731	6.734	-0.003	95	251404	4.00	
* 2 Naphthalene-d8	136	7.842	7.845	-0.003	99	1078967	4.00	
* 3 Acenaphthene-d10	164	9.348	9.352	-0.004	78	650088	4.00	
* 4 Phenanthrene-d10	188	10.625	10.623	0.002	98	918114	4.00	
* 5 Chrysene-d12	240	12.997	13.001	-0.004	80	1270017	4.00	
* 6 Perylene-d12	264	15.059	15.057	0.002	91	1083108	4.00	
$ 7 2-Fluorophenol	112	5.529	5.532	-0.003	94	491467	4.81	
$ 8 Phenol-d5	99	6.357	6.360	-0.003	90	675293	4.92	
$ 9 Nitrobenzene-d5	82	7.201	7.204	-0.003	84	737207	4.63	
$ 10 2-Fluorobiphenyl (Surr)	172	8.734	8.738	-0.004	99	914304	4.73	
$ 11 2,4,6-Tribromophenol	330	10.021	10.020	0.001	91	100033	4.76	
$ 12 Terphenyl-d14	244	11.934	11.937	-0.003	97	1144726	5.03	
249 4-Chlorophenol TIC	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
244 n-Octadecane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
247 Hexadecane	57		0.000					
243 n-Decane	57		0.000					
19 Octachlorostyrene	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	73		1.920					
28 Ethyl methacrylate	69		1.926					
29 3-Chloropropionitrile	54		2.118					
31 2-Picoline	93		2.224					
32 N-Nitrosomethylethylamine	88		2.288					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
233 n,n'-Dimethylacetamide	44		2.465					
35 Acrylamide	71		2.475					
34 Methyl methanesulfonate	80		2.485					
36 N-Nitrosodiethylamine	102		2.763					
37 Ethyl methanesulfonate	79		2.961					
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
45 Pentachloroethane	167		3.340					
25 1,4-Dioxane	88	3.515	3.524	-0.009	89	235440	4.59	
232 1-Methyl-2-pyrrilidinone	99		3.555					
42 Phenylmercaptan	110		3.596					
56 N-Nitrosopyrrolidine	100		3.842					
59 N-Nitrosomorpholine	56		3.869					
60 2-Toluidine	106		3.885					
26 N-Nitrosodimethylamine	74	3.980	3.983	-0.003	85	413069	4.88	
27 Pyridine	79	4.038	4.047	-0.009	93	657558	4.65	
63 N-Nitrosopiperidine	114		4.120					
67 1,3,5-Trichlorobenzene	180		4.164					
68 o,o',o''-Triethylphosphorothioat	198		4.318					
24 Catechol	110		4.410					
72 alpha,alpha-Dimethyl phenethylam	58		4.414					
80 1,2,3-Trichlorobenzene	180		4.602					
77 2,6-Dichlorophenol	162		4.628					
78 Hexachloropropene	213		4.654					
81 Benzothiazole	135		4.698					
15 3-Methylcatechol	124		4.794					
82 Quinoline	129		4.857					9
83 N-Nitrosodi-n-butylamine	84		4.884					
85 p-Phenylene diamine	108		4.905					
14 4-Methylcatechol	124		5.036					
94 Safrole, Total	162		5.066					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
225 Isosafrole Peak 1	162		5.306					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					
227 Isosafrole Peak 2	162		5.498					
101 Phenyl ether	170		5.521					
246 1-Chloronaphthalene	162		5.578					
103 1,4-Naphthoquinone	158		5.701					
104 1,4-Dinitrobenzene	168		5.744					
108 1,2-Dinitrobenzene	168		5.777					
115 Pentachlorobenzene	250		6.161					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
117 1-Naphthylamine	143		6.257					
120 2-Naphthylamine	143		6.321					
41 Benzaldehyde	77	6.341	6.339	0.002	86	1086647	9.94	
43 Phenol	94	6.367	6.371	-0.004	92	701961	4.97	
44 Aniline	93	6.432	6.430	0.002	96	920273	5.05	
122 Thionazin	97		6.433					9
127 Tributyl phosphate	99		6.434					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethyl)ether	93	6.458	6.462	-0.004	95	595320	4.71	
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128	6.549	6.553	-0.004	90	413975	5.10	
130 Diphenylamine	169		6.567					
134 Sulfotepp	202		6.684					
47 1,3-Dichlorobenzene	146	6.688	6.691	-0.003	82	434308	5.10	
48 1,4-Dichlorobenzene	146	6.747	6.750	-0.003	77	442149	5.05	
135 1,3,5-Trinitrobenzene	213		6.775					
228 Diallate Peak 1	86		6.807					9
138 Phorate	121		6.812					9
137 Phenacetin	108		6.818					
49 Benzyl alcohol	108	6.822	6.825	-0.003	85	327020	5.16	
230 Diallate Peak 2	86		6.882					
50 1,2-Dichlorobenzene	146	6.891	6.889	0.002	87	413386	5.08	
51 2-Methylphenol	108	6.902	6.905	-0.003	94	459654	5.12	
53 2,2'-oxybis[1-chloropropane]	45	6.934	6.937	-0.003	96	579329	4.89	
140 Dimethoate	87		6.962					9
52 Indene	115	6.966	6.964	0.002	70	1702297	10.2	
21 3 & 4 Methylphenol	108	7.030	7.028	0.002	94	483718	5.18	
57 N-Nitrosodi-n-propylamine	70	7.046	7.044	0.002	73	488760	5.12	
58 Acetophenone	105	7.062	7.060	0.002	72	738563	4.95	
129 4-Aminobiphenyl	169		7.101					9
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117	7.195	7.194	0.001	83	199902	4.81	
62 Nitrobenzene	77	7.217	7.220	-0.003	80	690827	4.79	
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					9
64 Isophorone	82	7.415	7.418	-0.003	96	1167097	4.89	
65 2,4-Dimethylphenol	107	7.489	7.493	-0.004	95	494710	4.89	
66 2-Nitrophenol	139	7.495	7.498	-0.003	78	218802	5.11	
71 Benzoic acid	122	7.532	7.546	-0.014	81	441864	9.11	
152 Methyl parathion	109		7.566					9
70 Bis(2-chloroethoxy)methane	93	7.569	7.568	0.001	94	683696	4.95	
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162	7.698	7.701	-0.003	90	325557	4.92	
74 1,2,4-Trichlorobenzene	180	7.783	7.787	-0.004	84	372301	4.91	
75 Naphthalene	128	7.863	7.861	0.002	97	1286572	4.93	
76 4-Chloroaniline	127	7.874	7.872	0.002	72	699643	5.10	
155 Ethyl Parathion	97		7.892					9
156 4-Nitroquinoline-1-oxide	190		7.934					9
79 Hexachlorobutadiene	225	7.954	7.958	-0.004	88	226328	5.04	
157 Methapyrilene	58		7.982					
84 Caprolactam	113	8.152	8.161	-0.009	83	298279	10.2	
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107	8.259	8.262	-0.003	81	455997	5.06	
87 2-Methylnaphthalene	142	8.446	8.449	-0.003	83	821080	4.99	
88 1-Methylnaphthalene	142	8.536	8.535	0.001	79	765106	4.98	
226 Aramite Peak 1	185		8.565					9
89 Hexachlorocyclopentadiene	237	8.584	8.588	-0.004	92	121992	2.35	
91 1,2,4,5-Tetrachlorobenzene	216	8.595	8.593	0.002	95	356402	4.77	
229 Aramite Peak 2	185		8.629					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
92 2,4,6-Trichlorophenol	196	8.670	8.673	-0.003	88	235844	4.98	
93 2,4,5-Trichlorophenol	196	8.707	8.711	-0.004	86	238162	4.93	
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154	8.830	8.834	-0.004	96	1016097	4.69	
100 2-Chloronaphthalene	162	8.868	8.871	-0.003	98	774880	4.80	
102 2-Nitroaniline	65	8.926	8.924	0.002	72	356267	5.01	
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163	9.049	9.047	0.002	95	892458	5.27	
106 1,3-Dinitrobenzene	168	9.092	9.090	0.002	81	140290	5.10	
107 2,6-Dinitrotoluene	165	9.113	9.111	0.002	63	205387	5.26	
171 2-Acetylaminofluorene	181		9.211					
109 Acenaphthylene	152	9.231	9.234	-0.003	87	1235219	4.94	
110 3-Nitroaniline	138	9.268	9.272	-0.004	87	216537	5.16	
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184	9.354	9.357	-0.003	62	124939	6.26	
113 4-Nitrophenol	109	9.370	9.373	-0.003	81	320052	9.22	
112 Acenaphthene	153	9.375	9.379	-0.004	94	772627	4.90	
176 Hexabromobenzene	232		9.394					
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
114 2,4-Dinitrotoluene	165	9.461	9.464	-0.003	78	232258	4.68	
116 Dibenzofuran	168	9.519	9.523	-0.004	84	1118842	4.92	
119 2,3,4,6-Tetrachlorophenol	232	9.615	9.614	0.001	71	191844	5.11	
121 Diethyl phthalate	149	9.637	9.640	-0.003	94	741914	4.71	
123 4-Chlorophenyl phenyl ether	204	9.776	9.779	-0.003	95	465888	5.23	
125 4-Nitroaniline	138	9.792	9.795	-0.003	75	209918	4.75	
126 Fluorene	166	9.813	9.817	-0.004	80	913556	5.12	
128 4,6-Dinitro-2-methylphenol	198	9.818	9.822	-0.004	74	238211	7.98	
131 N-Nitrosodiphenylamine	169	9.872	9.875	-0.003	99	1206300	11.2	
179 6-Methylchrysene	242		9.890					
133 Azobenzene	77	9.915	9.918	-0.003	95	1468734	5.51	
132 1,2-Diphenylhydrazine	77	9.915	9.918	-0.003	99	1468464	5.51	
139 4-Bromophenyl phenyl ether	248	10.203	10.201	0.002	69	233890	5.74	
142 Atrazine	200	10.283	10.287	-0.004	81	491932	10.2	
141 Hexachlorobenzene	284	10.299	10.303	-0.004	83	238786	5.75	
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
143 Pentachlorophenol	266	10.449	10.452	-0.003	82	261948	9.82	
148 Phenanthrene	178	10.647	10.645	0.001	87	1076272	4.75	
149 Anthracene	178	10.689	10.687	0.002	84	1107890	4.95	
150 DFTPP								
151 Carbazole	167	10.796	10.800	-0.004	84	1164172	5.32	
154 Di-n-butyl phthalate	149	11.015	11.013	0.002	100	1503915	5.57	
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202	11.667	11.665	0.002	99	1464209	5.35	
160 Benzidine	184	11.726	11.724	0.002	98	1476987	11.9	
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202	11.870	11.873	-0.003	96	1515193	5.41	
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.174					
168 Butyl benzyl phthalate	149	12.308	12.311	-0.003	89	660654	5.17	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.452					
173 Bis(2-ethylhexyl) phthalate	149	12.831	12.830	0.001	95	907328	5.30	
175 3,3'-Dichlorobenzidine	252	12.896	12.899	-0.003	65	1066055	11.0	
177 Benzo[a]anthracene	228	12.981	12.985	-0.003	89	1483798	4.94	
178 Chrysene	228	13.029	13.027	0.002	93	1405902	4.87	
180 Di-n-octyl phthalate	149	13.579	13.577	0.002	99	1526626	4.38	
182 Benzo[b]fluoranthene	252	14.402	14.406	-0.004	86	1389303	4.96	
183 Benzo[k]fluoranthene	252	14.445	14.448	-0.003	87	1506608	4.75	
184 Benzo[a]pyrene	252	14.963	14.966	-0.003	75	1362356	4.97	
189 Dibenz(a,h)anthracene	278	17.351	17.354	-0.003	69	1184163	5.22	
188 Indeno[1,2,3-cd]pyrene	276	17.346	17.354	-0.008	97	1412353	5.07	
190 Benzo[g,h,i]perylene	276	18.061	18.070	-0.009	89	1156085	5.03	
S 191 Methyl Phenols,Total	100				0		10.3	
S 245 Total Cresols	100				0		10.3	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.500					1
T 235 4-isopropylphenol TIC	121		4.700					1
T 236 3-isopropylphenol TIC	121		4.700					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142	6.560	5.802	0.760	95	557747	0	
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 231 2,3,7,8-TCDD	322		9.600					1
T 192 Octadecane (TIC)	254	10.406	9.600	0.806	97	600216	0	
T 196 Kepone TIC	272	10.449	10.098	0.349	1	9466	0.0298	
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 197 Hexachlorophene TIC	198	12.986	13.007	-0.014	1	24240	0.0895	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

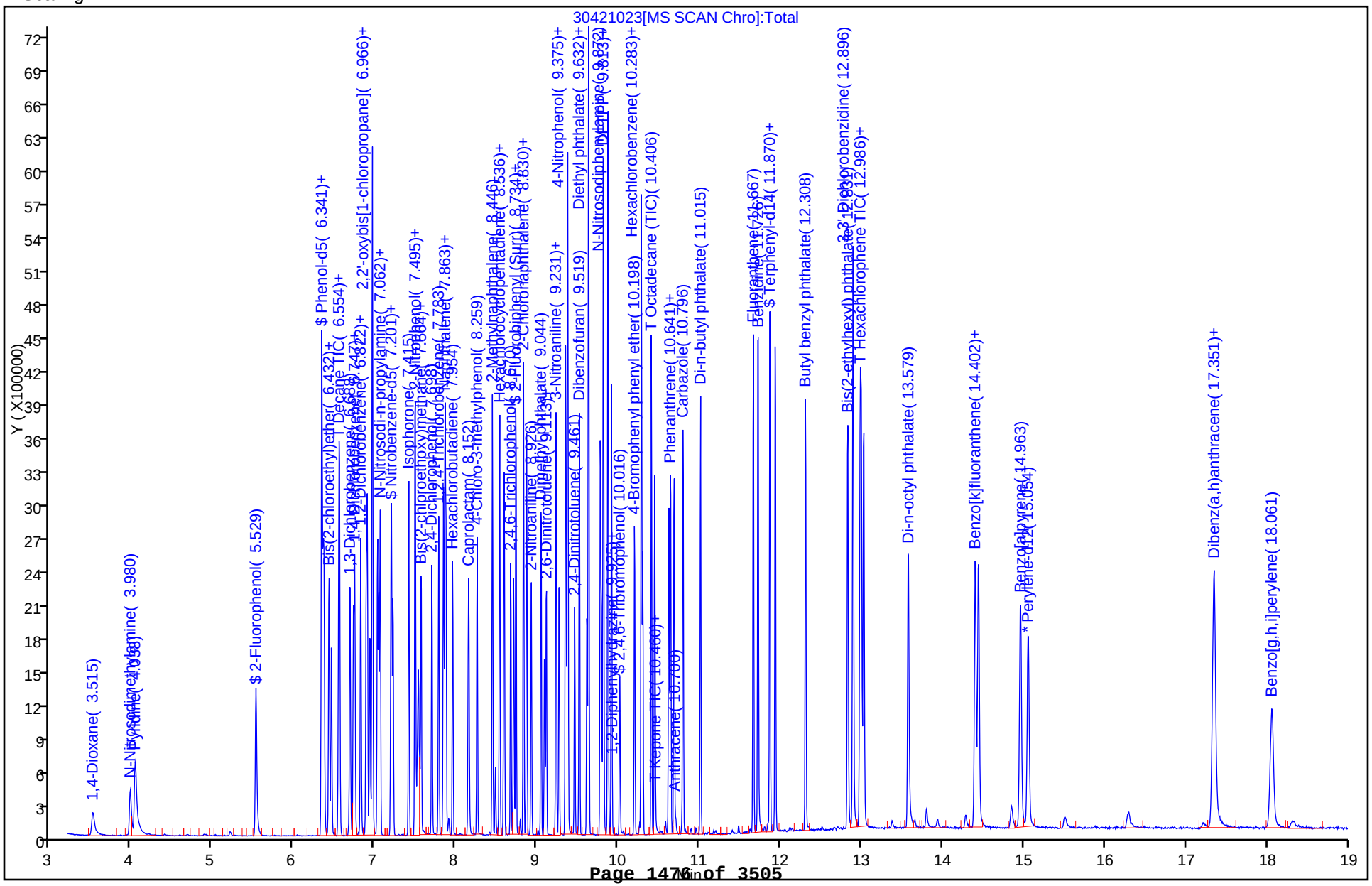
Report Date: 22-Apr-2013 08:58:15 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421023.D

Injection Date:	21-Apr-2013 20:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	23
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82940/3

Matrix: Solid | Lab File ID: 30422003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/22/2013 09:59

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.08		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	4.97		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.15		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.97		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.05		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.95		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.09		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.45		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.03		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.72		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	4.98		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	4.67		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	4.87		1.0	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.09		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.63		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.05		0.0020	0.00080	0.00080
86-74-8	Carbazole	4.98		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.18		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	5.15		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.85		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.00		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.18		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.02		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.20		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.98		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	4.95		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.08		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	4.90		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	10.5		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.05		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.95		0.0020	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.94		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.31		0.0020	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.19		0.0020	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82940/3

Matrix: Solid | Lab File ID: 30422003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/22/2013 09:59

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	9.93		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	10.3		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.14		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.24		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.36		0.0020	0.00080	0.00080
206-44-0	Fluoranthene	5.16		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.13		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.65		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	4.97		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.93		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.98		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.16		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.04		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.97		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	4.82		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.94		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.99		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.46		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.29		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	4.72		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.02		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.15		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	9.59		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.01		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	11.1		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.65		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.90		0.00020	0.00010	0.00010
108-95-2	Phenol	4.93		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.31		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.04		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.29		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.08		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82940/3

Matrix: Solid | Lab File ID: 30422003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/22/2013 09:59

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	95		50-150
367-12-4	2-Fluorophenol (Surr)	95		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	100		50-150
4165-62-2	Phenol-d5 (Surr)	97		50-150
1718-51-0	Terphenyl-d14 (Surr)	101		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	104		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422003.D
Lims ID: mrl qc
Client ID:
Inject. Date: 22-Apr-2013 09:59:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0019128-003
Misc. Info.: MRL QC =MRL QC
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 3
Lims Batch ID: 82940
Lims Sample ID: 3
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\8270 _9.m
Last Update: 22-Apr-2013 13:29:35
Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm
Date: 22-Apr-2013 10:38:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.714	6.717	-0.003	94	187677	4.00	
* 2 Naphthalene-d8	136	7.826	7.828	-0.002	98	760602	4.00	
* 3 Acenaphthene-d10	164	9.332	9.335	-0.003	84	450336	4.00	
* 4 Phenanthrene-d10	188	10.603	10.606	-0.003	96	652304	4.00	
* 5 Chrysene-d12	240	12.975	12.978	-0.003	80	889044	4.00	
* 6 Perylene-d12	264	15.016	15.019	-0.003	98	721987	4.00	
$ 7 2-Fluorophenol	112	5.507	5.510	-0.003	92	360671	4.73	
$ 8 Phenol-d5	99	6.340	6.343	-0.003	90	496100	4.84	
$ 9 Nitrobenzene-d5	82	7.185	7.187	-0.003	85	561227	5.00	
$ 10 2-Fluorobiphenyl (Surr)	172	8.723	8.721	0.002	98	639893	4.77	
$ 11 2,4,6-Tribromophenol	330	10.000	10.003	-0.003	83	75616	5.20	
$ 12 Terphenyl-d14	244	11.918	11.921	-0.003	97	802712	5.04	
249 4-Chlorophenol TIC	1		0.000					
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
243 n-Decane	57		0.000					
19 Octachlorostyrene	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
20 Dimethylformamide	73		1.920					
28 Ethyl methacrylate	69		1.926					
29 3-Chloropropionitrile	54		2.118					
31 2-Picoline	93		2.224					
32 N-Nitrosomethylethylamine	88		2.288					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
233 n,n'-Dimethylacetamide	44		2.465					
35 Acrylamide	71		2.475					
34 Methyl methanesulfonate	80		2.485					
36 N-Nitrosodiethylamine	102		2.763					
37 Ethyl methanesulfonate	79		2.961					
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
45 Pentachloroethane	167		3.340					
25 1,4-Dioxane	88	3.472	3.469	0.003	92	182710	4.77	
232 1-Methyl-2-pyrrilidinone	99		3.555					
42 Phenylmercaptan	110		3.596					
56 N-Nitrosopyrrolidine	100		3.842					
59 N-Nitrosomorpholine	56		3.869					
60 2-Toluidine	106		3.885					
26 N-Nitrosodimethylamine	74	3.947	3.939	0.008	82	303084	4.79	
27 Pyridine	79	4.006	4.003	0.003	94	493207	4.67	
63 N-Nitrosopiperidine	114		4.120					
67 1,3,5-Trichlorobenzene	180		4.164					
68 o,o',o''-Triethylphosphorothioat	198		4.318					
24 Catechol	110		4.410					
72 alpha,alpha-Dimethyl phenethylam	58		4.414					
80 1,2,3-Trichlorobenzene	180		4.602					
77 2,6-Dichlorophenol	162		4.628					
78 Hexachloropropene	213		4.654					
81 Benzothiazole	135		4.698					
15 3-Methylcatechol	124		4.794					
82 Quinoline	129		4.857					
83 N-Nitrosodi-n-butylamine	84		4.884					9
85 p-Phenylene diamine	108		4.905					
14 4-Methylcatechol	124		5.036					
94 Safrole, Total	162		5.066					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
225 Isosafrole Peak 1	162		5.306					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					
227 Isosafrole Peak 2	162		5.498					
101 Phenyl ether	170		5.521					
246 1-Chloronaphthalene	162		5.578					
103 1,4-Naphthoquinone	158		5.701					
104 1,4-Dinitrobenzene	168		5.744					
108 1,2-Dinitrobenzene	168		5.777					
115 Pentachlorobenzene	250		6.161					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
117 1-Naphthylamine	143		6.257					
120 2-Naphthylamine	143		6.321					
41 Benzaldehyde	77	6.324	6.322	0.002	89	811817	9.94	
43 Phenol	94	6.351	6.354	-0.003	92	519594	4.93	
44 Aniline	93	6.410	6.413	-0.003	95	677163	4.97	
122 Thionazin	97		6.433					9
127 Tributyl phosphate	99		6.434					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethyl)ether	93	6.442	6.445	-0.003	95	440649	4.67	
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128	6.533	6.530	0.003	91	302806	5.00	
130 Diphenylamine	169		6.567					
47 1,3-Dichlorobenzene	146	6.672	6.675	-0.003	87	322825	5.08	
134 Sulfotepp	202		6.684					
48 1,4-Dichlorobenzene	146	6.730	6.733	-0.003	84	320349	4.90	
135 1,3,5-Trinitrobenzene	213		6.775					
228 Diallate Peak 1	86		6.807					
49 Benzyl alcohol	108	6.805	6.808	-0.003	84	223302	4.72	
138 Phorate	121		6.812					
137 Phenacetin	108		6.818					9
50 1,2-Dichlorobenzene	146	6.875	6.872	0.003	85	300838	4.95	
230 Diallate Peak 2	86		6.882					9
51 2-Methylphenol	108	6.885	6.888	-0.003	95	322654	4.82	
53 2,2'-oxybis[1-chloropropane]	45	6.917	6.920	-0.003	95	430245	4.87	
52 Indene	115	6.949	6.947	0.002	68	1214819	9.77	
140 Dimethoate	87		6.962					
21 3 & 4 Methylphenol	108	7.014	7.011	0.003	94	344585	4.94	
57 N-Nitrosodi-n-propylamine	70	7.030	7.027	0.003	71	357116	5.01	
58 Acetophenone	105	7.046	7.043	0.003	72	542600	4.87	
129 4-Aminobiphenyl	169		7.101					
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117	7.179	7.177	0.002	80	154305	4.98	
62 Nitrobenzene	77	7.201	7.203	-0.002	77	510250	5.02	
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					9
64 Isophorone	82	7.398	7.401	-0.003	96	846979	5.04	
65 2,4-Dimethylphenol	107	7.473	7.476	-0.003	98	352337	4.94	
66 2-Nitrophenol	139	7.478	7.481	-0.003	85	155313	5.15	
71 Benzoic acid	122	7.510	7.529	-0.019	62	325278	9.45	
70 Bis(2-chloroethoxy)methane	93	7.553	7.551	0.002	96	484454	4.98	
152 Methyl parathion	109		7.566					9
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162	7.681	7.684	-0.003	92	235836	5.05	
74 1,2,4-Trichlorobenzene	180	7.767	7.770	-0.003	86	269684	5.04	
75 Naphthalene	128	7.847	7.844	0.003	98	918669	4.99	
76 4-Chloroaniline	127	7.858	7.861	-0.002	71	500627	5.18	
155 Ethyl Parathion	97		7.892					9
156 4-Nitroquinoline-1-oxide	190		7.934					9
79 Hexachlorobutadiene	225	7.943	7.941	0.002	93	157350	4.97	
157 Methapyrilene	58		7.982					
84 Caprolactam	113	8.130	8.144	-0.014	79	214444	10.4	
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107	8.242	8.245	-0.003	83	327211	5.15	
87 2-Methylnaphthalene	142	8.429	8.432	-0.003	85	576279	4.97	
88 1-Methylnaphthalene	142	8.520	8.523	-0.003	80	548890	5.06	
226 Aramite Peak 1	185		8.565					9
89 Hexachlorocyclopentadiene	237	8.568	8.571	-0.003	95	177256	4.93	
91 1,2,4,5-Tetrachlorobenzene	216	8.579	8.576	0.003	95	259869	5.02	
229 Aramite Peak 2	185		8.629					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
92 2,4,6-Trichlorophenol	196	8.654	8.656	-0.002	86	166462	5.08	
93 2,4,5-Trichlorophenol	196	8.691	8.694	-0.003	87	177026	5.29	
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154	8.814	8.817	-0.003	96	729694	4.86	
100 2-Chloronaphthalene	162	8.851	8.854	-0.003	98	542058	4.85	
102 2-Nitroaniline	65	8.910	8.913	-0.003	72	269028	5.46	
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163	9.033	9.030	0.003	94	622868	5.31	
106 1,3-Dinitrobenzene	168	9.076	9.073	0.003	81	104412	5.48	
107 2,6-Dinitrotoluene	165	9.097	9.095	0.002	60	141753	5.24	
171 2-Acetylaminofluorene	181		9.211					
109 Acenaphthylene	152	9.215	9.217	-0.003	92	860269	4.97	
110 3-Nitroaniline	138	9.252	9.255	-0.003	86	153689	5.29	
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184	9.337	9.340	-0.003	74	156049	10.3	
113 4-Nitrophenol	109	9.353	9.356	-0.003	82	230443	9.59	
112 Acenaphthene	153	9.359	9.362	-0.003	94	554467	5.08	
176 Hexabromobenzene	232		9.394					
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
114 2,4-Dinitrotoluene	165	9.444	9.447	-0.003	74	176815	5.14	
116 Dibenzofuran	168	9.503	9.506	-0.003	83	784736	4.98	
119 2,3,4,6-Tetrachlorophenol	232	9.594	9.597	-0.003	78	140482	5.40	
121 Diethyl phthalate	149	9.621	9.623	-0.003	95	539931	4.95	
123 4-Chlorophenyl phenyl ether	204	9.759	9.762	-0.003	94	319596	5.18	
125 4-Nitroaniline	138	9.775	9.778	-0.003	77	144457	4.72	
126 Fluorene	166	9.797	9.800	-0.003	80	633038	5.13	
128 4,6-Dinitro-2-methylphenol	198	9.802	9.805	-0.003	75	217093	9.93	
131 N-Nitrosodiphenylamine	169	9.856	9.858	-0.002	99	851136	11.1	
179 6-Methylchrysene	242		9.890					
132 1,2-Diphenylhydrazine	77	9.898	9.901	-0.003	98	1054982	5.57	
133 Azobenzene	77	9.898	9.901	-0.003	95	1054982	5.57	
139 4-Bromophenyl phenyl ether	248	10.187	10.184	0.003	69	162978	5.63	
142 Atrazine	200	10.267	10.270	-0.003	84	347462	10.1	
141 Hexachlorobenzene	284	10.283	10.286	-0.003	84	166746	5.65	
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
143 Pentachlorophenol	266	10.433	10.435	-0.002	80	182566	9.65	
148 Phenanthrene	178	10.625	10.628	-0.003	98	789028	4.90	
149 Anthracene	178	10.673	10.670	0.003	87	818962	5.15	
150 DFTPP								
151 Carbazole	167	10.780	10.783	-0.003	81	771763	4.98	
154 Di-n-butyl phthalate	149	10.999	10.996	0.003	100	990161	5.19	
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202	11.645	11.648	-0.003	99	1003012	5.16	
160 Benzidine	184	11.704	11.707	-0.003	98	852832	9.82	
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202	11.854	11.851	0.003	95	1042804	5.31	
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.159					
168 Butyl benzyl phthalate	149	12.292	12.294	-0.002	90	451213	5.05	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.442					
173 Bis(2-ethylhexyl) phthalate	149	12.810	12.813	-0.003	94	610150	5.09	
175 3,3'-Dichlorobenzidine	252	12.874	12.877	-0.003	69	710086	10.5	
177 Benzo[a]anthracene	228	12.959	12.962	-0.003	99	1043899	4.97	
178 Chrysene	228	13.002	13.005	-0.003	93	1015214	5.02	
180 Di-n-octyl phthalate	149	13.552	13.550	0.002	99	1013925	4.36	
182 Benzo[b]fluoranthene	252	14.370	14.373	-0.003	85	922844	4.95	
183 Benzo[k]fluoranthene	252	14.407	14.410	-0.003	98	1065331	5.03	
184 Benzo[a]pyrene	252	14.920	14.923	-0.003	75	922961	5.05	
188 Indeno[1,2,3-cd]pyrene	276	17.286	17.289	-0.003	89	956921	5.16	
189 Dibenz(a,h)anthracene	278	17.286	17.300	-0.014	53	785873	5.20	
190 Benzo[g,h,i]perylene	276	17.992	18.000	-0.008	89	780571	5.09	
S 245 Total Cresols	100				0		9.76	
S 191 Methyl Phenols,Total	100				0		9.76	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.500					1
T 236 3-isopropylphenol TIC	121		4.700					1
T 235 4-isopropylphenol TIC	121		4.700					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 192 Octadecane (TIC)	254		9.600					
T 231 2,3,7,8-TCDD	322		9.600					1
T 196 Kepone TIC	272		10.100					
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 197 Hexachlorophene TIC	198		13.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

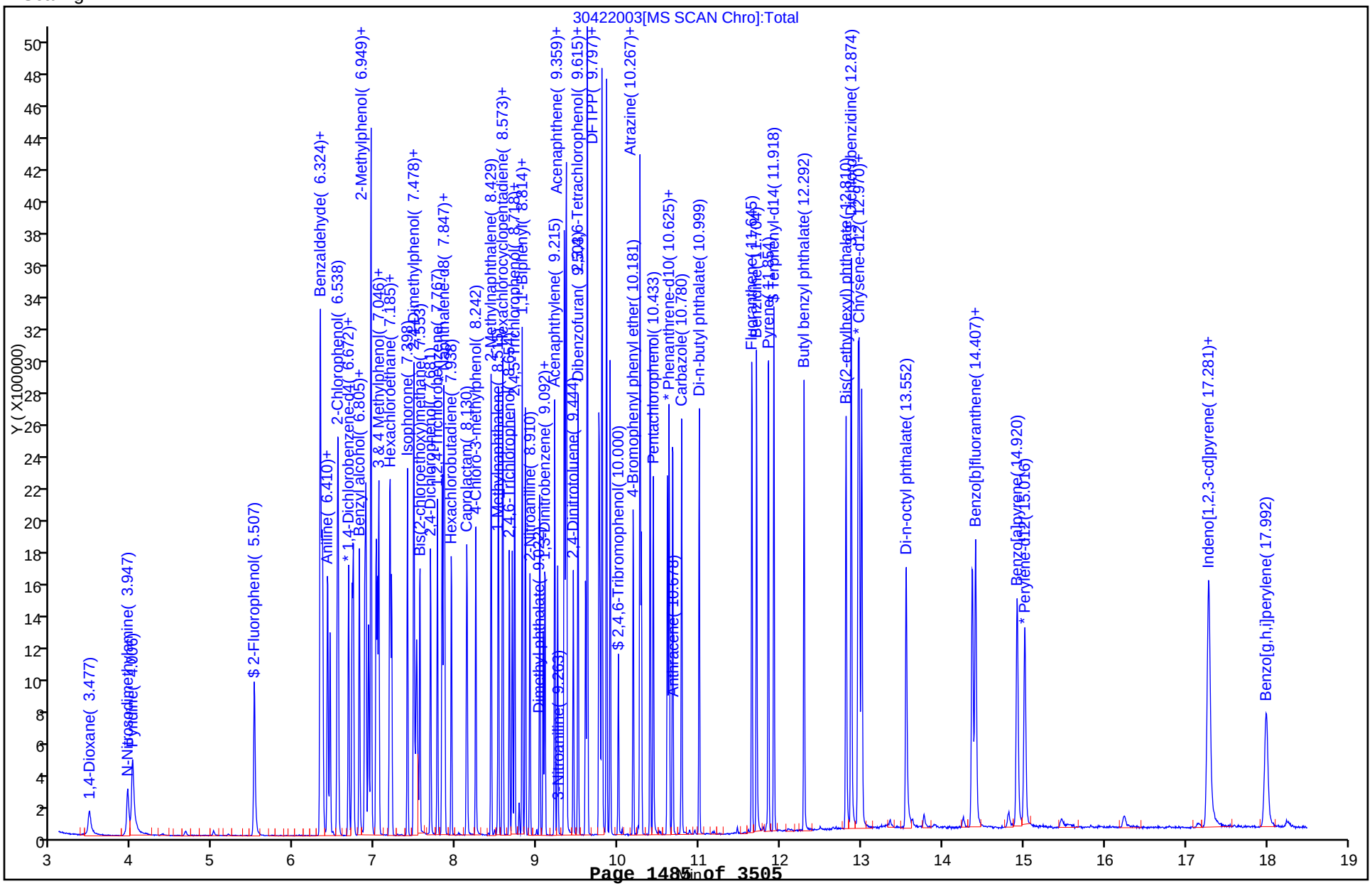
Report Date: 22-Apr-2013 13:29:36 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422003.D

Injection Date:	22-Apr-2013 09:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82940/19

Matrix: Solid | Lab File ID: 30422019.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/22/2013 17:00

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.06		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.01		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.00		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.89		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.09		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.94		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.34		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.07		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	4.96		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.86		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	4.91		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	4.84		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	4.71		1.0	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.38		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.58		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.22		0.0020	0.00080	0.00080
86-74-8	Carbazole	4.97		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.02		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	4.95		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.88		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	4.89		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.14		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.93		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.21		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	5.00		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	4.99		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	4.93		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	4.78		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	11.0		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	4.87		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.01		0.0020	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.95		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.36		0.0020	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.28		0.0020	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82940/19

Matrix: Solid | Lab File ID: 30422019.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/22/2013 17:00

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	9.12		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	8.69		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.08		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.36		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.57		0.0020	0.00080	0.00080
206-44-0	Fluoranthene	5.24		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.16		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.54		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.00		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.50		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.90		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.23		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.85		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.90		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.06		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.10		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.86		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.25		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.33		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	4.59		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.85		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.01		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	10.1		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.91		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	11.0		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	10.0		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.86		0.00020	0.00010	0.00010
108-95-2	Phenol	4.76		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.40		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.09		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.24		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.09		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-82940/19

Matrix: Solid | Lab File ID: 30422019.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 04/22/2013 17:00

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82940 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	97		50-150
367-12-4	2-Fluorophenol (Surr)	95		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	95		50-150
4165-62-2	Phenol-d5 (Surr)	96		50-150
1718-51-0	Terphenyl-d14 (Surr)	101		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	108		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422019.D
Lims ID: mrl qccl Client ID:
Inject. Date: 22-Apr-2013 17:00:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0019128-019
Misc. Info.: MRL QCCL =MRL QCCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 82940 Lims Sample ID: 19
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\8270 _9.m
Last Update: 23-Apr-2013 08:13:07 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK026

First Level Reviewer: ulmanm Date: 23-Apr-2013 08:05:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.717	6.717	0.0	94	189001	4.00	
* 2 Naphthalene-d8	136	7.823	7.828	-0.005	99	778803	4.00	
* 3 Acenaphthene-d10	164	9.329	9.335	-0.006	78	456081	4.00	
* 4 Phenanthrene-d10	188	10.606	10.606	0.0	97	674647	4.00	
* 5 Chrysene-d12	240	12.973	12.978	-0.005	80	903410	4.00	
* 6 Perylene-d12	264	15.013	15.019	-0.006	97	756950	4.00	
$ 7 2-Fluorophenol	112	5.510	5.510	0.0	92	365333	4.76	
$ 8 Phenol-d5	99	6.338	6.343	-0.005	90	495143	4.80	
$ 9 Nitrobenzene-d5	82	7.187	7.187	0.0	86	544150	4.74	
$ 10 2-Fluorobiphenyl (Surr)	172	8.720	8.721	-0.001	99	657849	4.85	
$ 11 2,4,6-Tribromophenol	330	10.003	10.003	0.0	89	79893	5.42	
$ 12 Terphenyl-d14	244	11.920	11.921	-0.001	99	818300	5.05	
249 4-Chlorophenol TIC	1		0.000					
247 Hexadecane	57		0.000					
244 n-Octadecane	57		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
248 2,3,7,8 TCDF TIC	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
243 n-Decane	57		0.000					
19 Octachlorostyrene	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
20 Dimethylformamide	73		1.920					
28 Ethyl methacrylate	69		1.926					
29 3-Chloropropionitrile	54		2.118					
31 2-Picoline	93		2.224					
32 N-Nitrosomethylethylamine	88		2.288					
33 Malononitrile	66		2.300					
30 3-Picoline	93		2.454					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
233 n,n'-Dimethylacetamide	44		2.465					
35 Acrylamide	71		2.475					
34 Methyl methanesulfonate	80		2.485					
36 N-Nitrosodiethylamine	102		2.763					
37 Ethyl methanesulfonate	79		2.961					
38 2-Methylcyclohexanone	68		3.047					
39 3-Methylcyclohexanone	69		3.079					
40 4-Methylcyclohexanone	55		3.117					
45 Pentachloroethane	167		3.340					
25 1,4-Dioxane	88	3.469	3.469	0.0	93	181293	4.70	M
232 1-Methyl-2-pyrrilidinone	99		3.555					
42 Phenylmercaptan	110		3.596					
56 N-Nitrosopyrrolidine	100		3.842					
59 N-Nitrosomorpholine	56		3.869					
60 2-Toluidine	106		3.885					
26 N-Nitrosodimethylamine	74	3.945	3.939	0.006	80	290186	4.56	
27 Pyridine	79	4.009	4.003	0.006	93	484977	4.56	
63 N-Nitrosopiperidine	114		4.120					
67 1,3,5-Trichlorobenzene	180		4.164					
68 o,o',o''-Triethylphosphorothioat	198		4.318					
24 Catechol	110		4.410					
72 alpha,alpha-Dimethyl phenethylam	58		4.414					
80 1,2,3-Trichlorobenzene	180		4.602					
77 2,6-Dichlorophenol	162		4.628					
78 Hexachloropropene	213		4.654					
81 Benzothiazole	135		4.698					
15 3-Methylcatechol	124		4.794					
82 Quinoline	129		4.857					
83 N-Nitrosodi-n-butylamine	84		4.884					9
85 p-Phenylene diamine	108		4.905					
14 4-Methylcatechol	124		5.036					
94 Safrole, Total	162		5.066					
90 1,2,3,5-Tetrachlorobenzene	216		5.179					
225 Isosafrole Peak 1	162		5.306					
97 2,4-Toluene diamine	121		5.419					
99 1,2,3,4 -Tetrachlorobenzene	216		5.425					
96 3,4-Dichloronitrobenzene	109		5.467					
227 Isosafrole Peak 2	162		5.498					
101 Phenyl ether	170		5.521					
246 1-Chloronaphthalene	162		5.578					
103 1,4-Naphthoquinone	158		5.701					
104 1,4-Dinitrobenzene	168		5.744					
108 1,2-Dinitrobenzene	168		5.777					
115 Pentachlorobenzene	250		6.161					
118 2,3,5,6-Tetrachlorophenol	232		6.257					
117 1-Naphthylamine	143		6.257					
120 2-Naphthylamine	143		6.321					
41 Benzaldehyde	77	6.322	6.322	0.0	87	802295	9.76	
43 Phenol	94	6.354	6.354	0.0	87	504933	4.76	
44 Aniline	93	6.413	6.413	0.0	97	658105	4.80	
122 Thionazin	97		6.433					9
127 Tributyl phosphate	99		6.434					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
69 Bis(2-chloroethyl)ether	93	6.445	6.445	0.0	96	460518	4.84	
124 N-Nitro-o-toluidine	152		6.481					
46 2-Chlorophenol	128	6.530	6.530	0.0	90	298208	4.89	
130 Diphenylamine	169		6.567					
47 1,3-Dichlorobenzene	146	6.674	6.675	-0.001	84	315647	4.93	
134 Sulfotepp	202		6.684					
48 1,4-Dichlorobenzene	146	6.728	6.733	-0.005	75	314460	4.78	
135 1,3,5-Trinitrobenzene	213		6.775					
228 Diallate Peak 1	86		6.807					
49 Benzyl alcohol	108	6.803	6.808	-0.005	84	231353	4.86	
138 Phorate	121		6.812					
137 Phenacetin	108		6.818					9
50 1,2-Dichlorobenzene	146	6.872	6.872	0.0	86	305406	4.99	
230 Diallate Peak 2	86		6.882					9
51 2-Methylphenol	108	6.888	6.888	0.0	95	341062	5.06	
53 2,2'-oxybis[1-chloropropane]	45	6.915	6.920	-0.005	95	419050	4.71	
52 Indene	115	6.947	6.947	0.0	72	1205735	9.63	
140 Dimethoate	87		6.962					
21 3 & 4 Methylphenol	108	7.011	7.011	0.0	92	358163	5.10	
57 N-Nitrosodi-n-propylamine	70	7.027	7.027	0.0	74	352726	4.91	
58 Acetophenone	105	7.043	7.043	0.0	80	547905	4.89	
129 4-Aminobiphenyl	169		7.101					9
145 Pentachloronitrobenzene	237		7.112					
144 Pronamide	173		7.138					
61 Hexachloroethane	117	7.177	7.177	0.0	83	153008	4.90	
62 Nitrobenzene	77	7.203	7.203	0.0	74	504936	4.85	
147 Dinoseb	211		7.245					
146 Disulfoton	88		7.250					9
64 Isophorone	82	7.396	7.401	-0.005	96	834296	4.85	
65 2,4-Dimethylphenol	107	7.476	7.476	0.0	91	361398	4.95	
66 2-Nitrophenol	139	7.481	7.481	0.0	87	154876	5.01	
71 Benzoic acid	122	7.508	7.529	-0.021	78	317544	9.07	
70 Bis(2-chloroethoxy)methane	93	7.551	7.551	0.0	98	488885	4.91	
152 Methyl parathion	109		7.566					9
153 Diphenylsulfone	125		7.631					9
73 2,4-Dichlorophenol	162	7.684	7.684	0.0	91	232868	4.87	
74 1,2,4-Trichlorobenzene	180	7.770	7.770	0.0	86	278895	5.09	
75 Naphthalene	128	7.844	7.844	0.0	97	916064	4.86	
76 4-Chloroaniline	127	7.855	7.861	-0.005	71	497350	5.02	
155 Ethyl Parathion	97		7.892					9
156 4-Nitroquinoline-1-oxide	190		7.934					9
79 Hexachlorobutadiene	225	7.941	7.941	-0.001	89	162079	5.00	
157 Methapyrilene	58		7.982					
84 Caprolactam	113	8.133	8.144	-0.011	83	216632	10.2	
158 Isodrin	66		8.164					9
86 4-Chloro-3-methylphenol	107	8.240	8.245	-0.005	84	322398	4.95	
87 2-Methylnaphthalene	142	8.432	8.432	0.0	83	581475	4.90	
88 1-Methylnaphthalene	142	8.517	8.523	-0.006	79	546517	4.92	
226 Aramite Peak 1	185		8.565					9
89 Hexachlorocyclopentadiene	237	8.571	8.571	0.0	94	163732	4.50	
91 1,2,4,5-Tetrachlorobenzene	216	8.576	8.576	0.0	94	268195	5.12	
229 Aramite Peak 2	185		8.629					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
92 2,4,6-Trichlorophenol	196	8.656	8.656	0.0	91	169006	5.09	
93 2,4,5-Trichlorophenol	196	8.694	8.694	0.0	89	177479	5.24	
163 p-Dimethylamino azobenzene	225		8.714					
164 Chlorobenzilate	139		8.746					9
98 1,1'-Biphenyl	154	8.811	8.817	-0.006	96	731649	4.81	
100 2-Chloronaphthalene	162	8.854	8.854	0.0	99	553276	4.88	
102 2-Nitroaniline	65	8.907	8.913	-0.006	71	262017	5.25	
167 Famphur	218		8.949					
169 3,3'-Dimethylbenzidine	212		8.992					
105 Dimethyl phthalate	163	9.030	9.030	0.0	95	636719	5.36	
106 1,3-Dinitrobenzene	168	9.073	9.073	0.0	81	105760	5.48	
107 2,6-Dinitrotoluene	165	9.094	9.095	-0.001	78	146622	5.36	
171 2-Acetylaminofluorene	181		9.211					
109 Acenaphthylene	152	9.217	9.217	0.0	86	877862	5.01	
110 3-Nitroaniline	138	9.249	9.255	-0.006	83	156989	5.33	
172 3,3'-Dimethoxybenzidine	244		9.314					
111 2,4-Dinitrophenol	184	9.335	9.340	-0.005	67	129892	8.69	
113 4-Nitrophenol	109	9.351	9.356	-0.005	86	246767	10.1	
112 Acenaphthene	153	9.362	9.362	0.0	92	559315	5.06	
176 Hexabromobenzene	232		9.394					
174 4,4'-Methylene bis(2-chloroanili	231		9.446					
114 2,4-Dinitrotoluene	165	9.442	9.447	-0.005	74	177027	5.08	
116 Dibenzofuran	168	9.500	9.506	-0.006	84	797094	5.00	
119 2,3,4,6-Tetrachlorophenol	232	9.597	9.597	0.0	69	150368	5.70	
121 Diethyl phthalate	149	9.618	9.623	-0.005	95	554463	5.01	
123 4-Chlorophenyl phenyl ether	204	9.762	9.762	0.0	94	321460	5.14	
125 4-Nitroaniline	138	9.773	9.778	-0.005	78	141300	4.59	
126 Fluorene	166	9.794	9.800	-0.006	81	644761	5.16	
128 4,6-Dinitro-2-methylphenol	198	9.800	9.805	-0.005	77	203985	9.12	
131 N-Nitrosodiphenylamine	169	9.853	9.858	-0.005	99	876957	11.0	
179 6-Methylchrysene	242		9.890					
132 1,2-Diphenylhydrazine	77	9.896	9.901	-0.005	99	1050677	5.36	
133 Azobenzene	77	9.896	9.901	-0.005	95	1048639	5.35	
139 4-Bromophenyl phenyl ether	248	10.184	10.184	0.0	70	166982	5.58	
142 Atrazine	200	10.270	10.270	0.0	89	361843	10.2	
141 Hexachlorobenzene	284	10.286	10.286	0.0	73	169276	5.54	
181 7,12-Dimethylbenz(a)anthracene	256		10.418					
143 Pentachlorophenol	266	10.430	10.435	-0.005	81	197243	10.0	
148 Phenanthrene	178	10.628	10.628	0.0	98	808605	4.86	
149 Anthracene	178	10.670	10.670	0.0	88	823077	5.00	
150 DFTPP								
151 Carbazole	167	10.783	10.783	0.0	83	796276	4.97	
154 Di-n-butyl phthalate	149	10.996	10.996	0.0	100	1042814	5.28	
185 3-Methylcholanthrene	268		11.188					
159 Fluoranthene	202	11.648	11.648	0.0	99	1053385	5.24	
160 Benzidine	184	11.707	11.707	0.0	98	974671	11.0	
186 Dibenz[a,j]acridine	279		11.740					
161 Pyrene	202	11.851	11.851	0.0	96	1077198	5.40	
187 Dibenz[a,h]acridine	279		11.909					
166 4,4'-DDE	246		11.931					9
165 4,4'-DDD	235		12.159					
168 Butyl benzyl phthalate	149	12.289	12.294	-0.005	88	474203	5.22	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
170 4,4'-DDT	235		12.442					
173 Bis(2-ethylhexyl) phthalate	149	12.807	12.813	-0.006	94	654685	5.38	
175 3,3'-Dichlorobenzidine	252	12.871	12.877	-0.006	71	754228	11.0	
177 Benzo[a]anthracene	228	12.957	12.962	-0.005	100	1045196	4.89	
178 Chrysene	228	13.000	13.005	-0.005	93	1012908	4.93	
180 Di-n-octyl phthalate	149	13.550	13.550	0.0	100	1117253	4.57	
182 Benzo[b]fluoranthene	252	14.367	14.373	-0.006	86	965466	4.94	
183 Benzo[k]fluoranthene	252	14.404	14.410	-0.006	93	1100609	4.96	
184 Benzo[a]pyrene	252	14.917	14.923	-0.006	75	975745	5.09	
188 Indeno[1,2,3-cd]pyrene	276	17.284	17.289	-0.005	87	1018566	5.23	
189 Dibenz(a,h)anthracene	278	17.284	17.300	-0.016	51	824799	5.21	
190 Benzo[g,h,i]perylene	276	17.989	18.000	-0.011	90	857401	5.34	
S 245 Total Cresols	100				0		10.2	
S 191 Methyl Phenols,Total	100				0		10.2	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 195 Hydroquinone TIC	110		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.500					1
T 236 3-isopropylphenol TIC	121		4.700					1
T 235 4-isopropylphenol TIC	121		4.700					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.000					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 194 Decane TIC	142		5.800					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 192 Octadecane (TIC)	254		9.600					
T 231 2,3,7,8-TCDD	322		9.600					1
T 196 Kepone TIC	272		10.100					
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1
T 197 Hexachlorophene TIC	198		13.000					

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

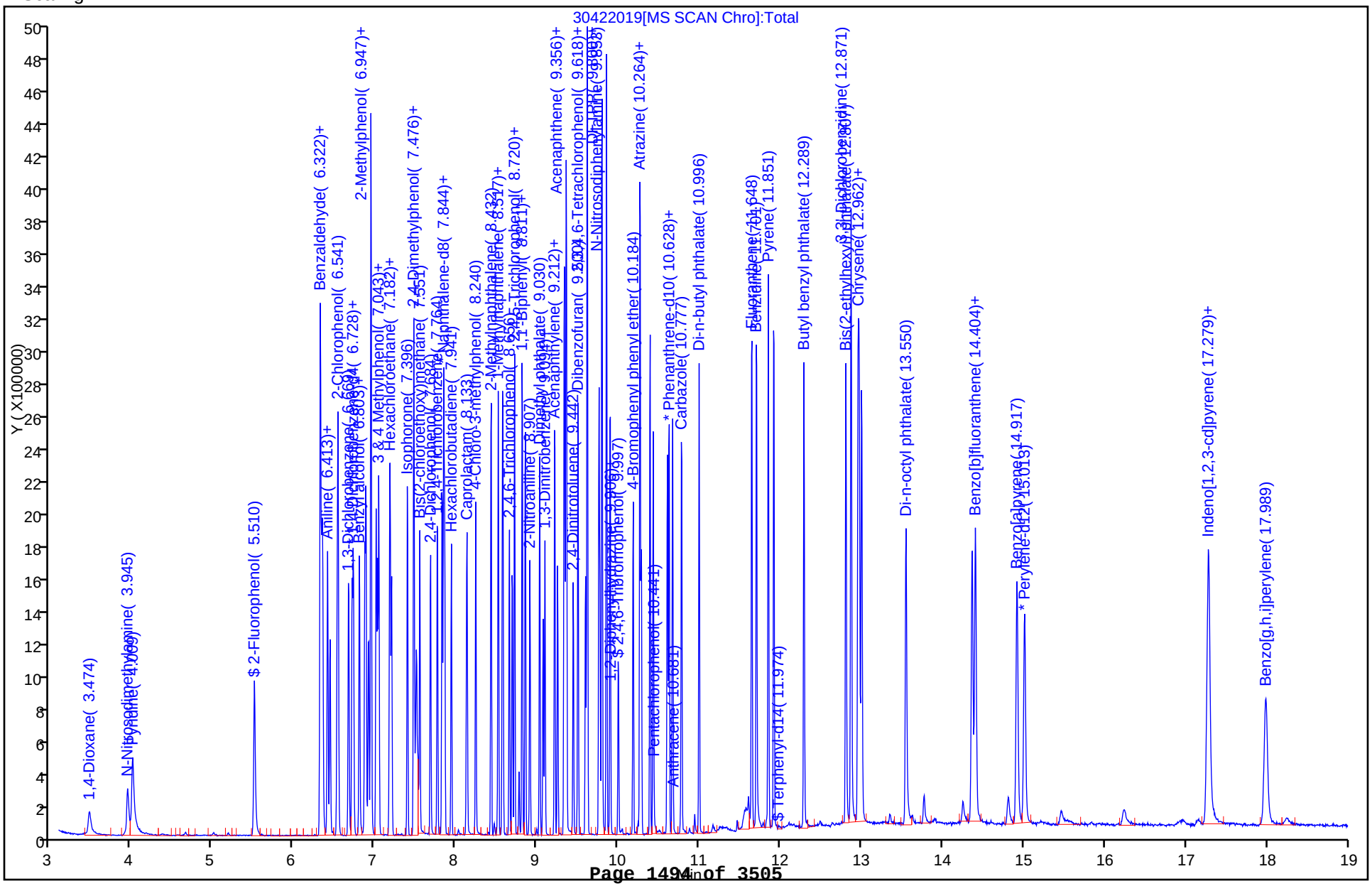
Report Date: 23-Apr-2013 08:13:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130422-19128.b\30422019.D

Injection Date:	22-Apr-2013 17:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82940	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0031M-0001-SO MS | Lab Sample ID: 240-22663-44 MS

Matrix: Solid | Lab File ID: 30421020.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 13:44

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.32(g) | Date Analyzed: 04/21/2013 19:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	422	D	33	16	16
208-96-8	Acenaphthylene	426	D	33	16	16
120-12-7	Anthracene	444	D	33	16	16
56-55-3	Benzo[a]anthracene	537	D	33	16	16
50-32-8	Benzo[a]pyrene	428	D	33	16	16
205-99-2	Benzo[b]fluoranthene	491	D	33	16	16
191-24-2	Benzo[g,h,i]perylene	514	D	33	16	16
65-85-0	Benzoic acid	1600	U	3300	1600	1600
207-08-9	Benzo[k]fluoranthene	461	D	33	16	16
100-51-6	Benzyl alcohol	384	J D	1600	130	100
111-91-1	Bis(2-chloroethoxy)methane	398	J D	490	130	110
111-44-4	Bis(2-chloroethyl)ether	370	J D	490	16	9.9
108-60-1	bis (2-chloroisopropyl) ether	369	J D	490	130	47
117-81-7	Bis(2-ethylhexyl) phthalate	630	D	350	130	94
101-55-3	4-Bromophenyl phenyl ether	512	D	250	130	64
85-68-7	Butyl benzyl phthalate	561	D	350	130	49
86-74-8	Carbazole	499	D	250	130	130
106-47-8	4-Chloroaniline	326	J D	740	130	84
59-50-7	4-Chloro-3-methylphenol	466	J D	740	130	100
91-58-7	2-Chloronaphthalene	405	D	250	16	16
95-57-8	2-Chlorophenol	413	D	250	130	130
7005-72-3	4-Chlorophenyl phenyl ether	481	D	250	130	64
218-01-9	Chrysene	575	D	33	16	5.4
53-70-3	Dibenz(a,h)anthracene	526	D M	33	16	16
132-64-9	Dibenzofuran	453	D	250	16	16
95-50-1	1,2-Dichlorobenzene	383	D	250	130	48
541-73-1	1,3-Dichlorobenzene	371	D	250	130	54
106-46-7	1,4-Dichlorobenzene	362	D	250	130	99
91-94-1	3,3'-Dichlorobenzidine	285	J D	490	400	89
120-83-2	2,4-Dichlorophenol	413	J D	740	130	99
84-66-2	Diethyl phthalate	550	D	350	130	79
105-67-9	2,4-Dimethylphenol	156	J D	740	400	99
131-11-3	Dimethyl phthalate	509	D	350	130	84
84-74-2	Di-n-butyl phthalate	528	D	350	130	74

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0031M-0001-SO MS | Lab Sample ID: 240-22663-44 MS

Matrix: Solid | Lab File ID: 30421020.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 13:44

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.32(g) | Date Analyzed: 04/21/2013 19:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U J	740	400	400
51-28-5	2,4-Dinitrophenol	400	U J	1600	400	400
121-14-2	2,4-Dinitrotoluene	485	J D	990	130	130
606-20-2	2,6-Dinitrotoluene	465	J D	990	130	100
117-84-0	Di-n-octyl phthalate	486	D	350	130	130
206-44-0	Fluoranthene	480	D	33	16	16
86-73-7	Fluorene	491	D	33	16	16
118-74-1	Hexachlorobenzene	502	D	33	16	10
87-68-3	Hexachlorobutadiene	394	D	250	130	130
77-47-4	Hexachlorocyclopentadiene	130	U	1600	130	130
67-72-1	Hexachloroethane	334	D	250	130	45
193-39-5	Indeno[1,2,3-cd]pyrene	505	D	33	16	16
78-59-1	Isophorone	363	D	250	130	64
91-57-6	2-Methylnaphthalene	387	D	33	16	16
95-48-7	2-Methylphenol	400	U J	990	400	400
15831-10-4	3 & 4 Methylphenol	775	J D	2000	400	99
91-20-3	Naphthalene	398	D	33	16	16
88-74-4	2-Nitroaniline	459	J D	990	130	45
99-09-2	3-Nitroaniline	424	J D	990	400	79
100-01-6	4-Nitroaniline	604	J D	990	130	130
98-95-3	Nitrobenzene	385	J D	490	16	11
88-75-5	2-Nitrophenol	396	D	250	130	130
100-02-7	4-Nitrophenol	400	U J	1600	400	400
621-64-7	N-Nitrosodi-n-propylamine	358	D	250	130	130
86-30-6	N-Nitrosodiphenylamine	511	D	250	130	100
87-86-5	Pentachlorophenol	470	J D	740	400	400
85-01-8	Phenanthrene	502	D	33	16	16
108-95-2	Phenol	405	D	250	130	130
129-00-0	Pyrene	575	D	33	16	16
120-82-1	1,2,4-Trichlorobenzene	386	D	250	130	130
95-95-4	2,4,5-Trichlorophenol	465	J D	740	130	120
88-06-2	2,4,6-Trichlorophenol	406	J D	740	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0031M-0001-SO MS | Lab Sample ID: 240-22663-44 MS

Matrix: Solid | Lab File ID: 30421020.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 13:44

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.32(g) | Date Analyzed: 04/21/2013 19:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	52		45-105
367-12-4	2-Fluorophenol (Surr)	55		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	52		35-100
4165-62-2	Phenol-d5 (Surr)	58		40-100
1718-51-0	Terphenyl-d14 (Surr)	61		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	75		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421020.D
Lims ID: 240-22663-C-44-D MS Client ID:
Inject. Date: 21-Apr-2013 19:11:30 Dil. Factor: 5.0000
Sample Type: MS
Sample ID: 240-0019112-020
Misc. Info.: 240-22663-C-44-D MS =240-22663-C-44-D MS
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 82876 Lims Sample ID: 20
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:52:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.735	6.734	0.001	95	170116	4.00	
* 2 Naphthalene-d8	136	7.841	7.845	-0.004	98	690350	4.00	
* 3 Acenaphthene-d10	164	9.348	9.352	-0.004	78	417928	4.00	
* 4 Phenanthrene-d10	188	10.624	10.623	0.001	98	710257	4.00	
* 5 Chrysene-d12	240	12.996	13.001	-0.005	77	853423	4.00	
* 6 Perylene-d12	264	15.058	15.057	0.001	91	828954	4.00	
$ 7 2-Fluorophenol	112	5.544	5.532	0.012	91	113983	1.65	
$ 8 Phenol-d5	99	6.361	6.360	0.001	92	161345	1.74	
$ 9 Nitrobenzene-d5	82	7.200	7.204	-0.004	84	105809	1.04	
$ 10 2-Fluorobiphenyl (Surr)	172	8.739	8.738	0.001	97	129953	1.04	
$ 11 2,4,6-Tribromophenol	330	10.021	10.020	0.001	90	30282	2.24	
$ 12 Terphenyl-d14	244	11.939	11.937	0.002	97	187568	1.23	
43 Phenol	94	6.372	6.371	0.001	88	117294	1.23	
69 Bis(2-chloroethyl)ether	93	6.463	6.462	0.001	95	95932	1.12	
46 2-Chlorophenol	128	6.554	6.553	0.001	94	68773	1.25	
47 1,3-Dichlorobenzene	146	6.693	6.691	0.002	87	64734	1.12	
48 1,4-Dichlorobenzene	146	6.746	6.750	-0.004	71	65081	1.10	
49 Benzyl alcohol	108	6.821	6.825	-0.004	84	49873	1.16	
50 1,2-Dichlorobenzene	146	6.890	6.889	0.001	79	63889	1.16	
51 2-Methylphenol	108	6.906	6.905	0.001	74	67789	1.12	
53 2,2'-oxybis[1-chloropropane]	45	6.933	6.937	-0.004	98	89644	1.12	
21 3 & 4 Methylphenol	108	7.029	7.028	0.001	93	148491	2.35	
57 N-Nitrosodi-n-propylamine	70	7.045	7.044	0.001	70	70065	1.08	
61 Hexachloroethane	117	7.195	7.194	0.001	79	28470	1.01	
62 Nitrobenzene	77	7.221	7.220	0.001	78	107504	1.17	
64 Isophorone	82	7.414	7.418	-0.004	94	168060	1.10	
65 2,4-Dimethylphenol	107	7.489	7.493	-0.004	88	30576	0.4725	
66 2-Nitrophenol	139	7.499	7.498	0.001	87	32852	1.20	
71 Benzoic acid	122	7.494	7.546	-0.052	50	24715	2.10	
70 Bis(2-chloroethoxy)methane	93	7.569	7.568	0.001	97	106616	1.21	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162	7.697	7.701	-0.004	94	53030	1.25	
74 1,2,4-Trichlorobenzene	180	7.782	7.787	-0.005	88	56736	1.17	
75 Naphthalene	128	7.863	7.861	0.002	85	201301	1.21	
76 4-Chloroaniline	127	7.873	7.872	0.001	62	86690	0.9876	
79 Hexachlorobutadiene	225	7.953	7.958	-0.005	91	34308	1.19	
86 4-Chloro-3-methylphenol	107	8.258	8.262	-0.004	82	81579	1.41	
87 2-Methylnaphthalene	142	8.445	8.449	-0.004	81	123492	1.17	
89 Hexachlorocyclopentadiene	237	8.584	8.588	-0.004	53	5003	0.1499	
92 2,4,6-Trichlorophenol	196	8.675	8.673	0.002	81	37462	1.23	
93 2,4,5-Trichlorophenol	196	8.707	8.711	-0.004	86	43769	1.41	
100 2-Chloronaphthalene	162	8.867	8.871	-0.004	98	127372	1.23	
102 2-Nitroaniline	65	8.926	8.924	0.002	71	63742	1.39	
105 Dimethyl phthalate	163	9.043	9.047	-0.004	94	167933	1.54	
107 2,6-Dinitrotoluene	165	9.113	9.111	0.002	54	35360	1.41	
109 Acenaphthylene	152	9.230	9.234	-0.004	85	207539	1.29	
110 3-Nitroaniline	138	9.268	9.272	-0.004	86	34698	1.29	
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109	9.369	9.373	-0.004	74	26819	1.20	
112 Acenaphthene	153	9.374	9.379	-0.005	94	129584	1.28	
114 2,4-Dinitrotoluene	165	9.460	9.464	-0.004	72	46929	1.47	
116 Dibenzofuran	168	9.519	9.523	-0.004	84	200728	1.37	
121 Diethyl phthalate	149	9.636	9.640	-0.004	95	169048	1.67	
123 4-Chlorophenyl phenyl ether	204	9.780	9.779	0.001	93	83542	1.46	
125 4-Nitroaniline	138	9.791	9.795	-0.004	76	36625	1.83	
126 Fluorene	166	9.812	9.817	-0.005	77	170713	1.49	
128 4,6-Dinitro-2-methylphenol	198	9.818	9.822	-0.004	11	3611	1.19	
131 N-Nitrosodiphenylamine	169	9.871	9.875	-0.004	99	129668	1.55	
139 4-Bromophenyl phenyl ether	248	10.202	10.201	0.001	71	48926	1.55	
141 Hexachlorobenzene	284	10.304	10.303	0.001	72	48985	1.52	
143 Pentachlorophenol	266	10.448	10.452	-0.004	44	10670	1.43	
148 Phenanthrene	178	10.646	10.645	0.001	98	266905	1.52	
149 Anthracene	178	10.689	10.687	0.001	87	233461	1.35	
151 Carbazole	167	10.795	10.800	-0.005	82	227984	1.51	
154 Di-n-butyl phthalate	149	11.014	11.013	0.001	99	283665	1.60	
159 Fluoranthene	202	11.666	11.665	0.001	99	303144	1.46	
161 Pyrene	202	11.869	11.873	-0.004	96	328374	1.74	
168 Butyl benzyl phthalate	149	12.313	12.311	0.001	90	145995	1.70	
173 Bis(2-ethylhexyl) phthalate	149	12.831	12.830	0.001	95	219720	1.91	
175 3,3'-Dichlorobenzidine	252	12.895	12.899	-0.004	63	56067	0.8627	
177 Benzo[a]anthracene	228	12.986	12.985	0.002	99	328683	1.63	
178 Chrysene	228	13.028	13.027	0.001	92	338442	1.74	
180 Di-n-octyl phthalate	149	13.579	13.577	0.002	99	331958	1.47	
182 Benzo[b]fluoranthene	252	14.401	14.406	-0.005	86	319244	1.49	
183 Benzo[k]fluoranthene	252	14.444	14.448	-0.004	86	339378	1.40	
184 Benzo[a]pyrene	252	14.962	14.966	-0.004	74	272252	1.30	
189 Dibenz(a,h)anthracene	278	17.350	17.354	-0.004	46	276582	1.59	M
188 Indeno[1,2,3-cd]pyrene	276	17.339	17.354	-0.015	91	326515	1.53	
190 Benzo[g,h,i]perylene	276	18.061	18.070	-0.009	89	274206	1.56	

QC Flag Legend

Review Flags
M - Manually Integrated

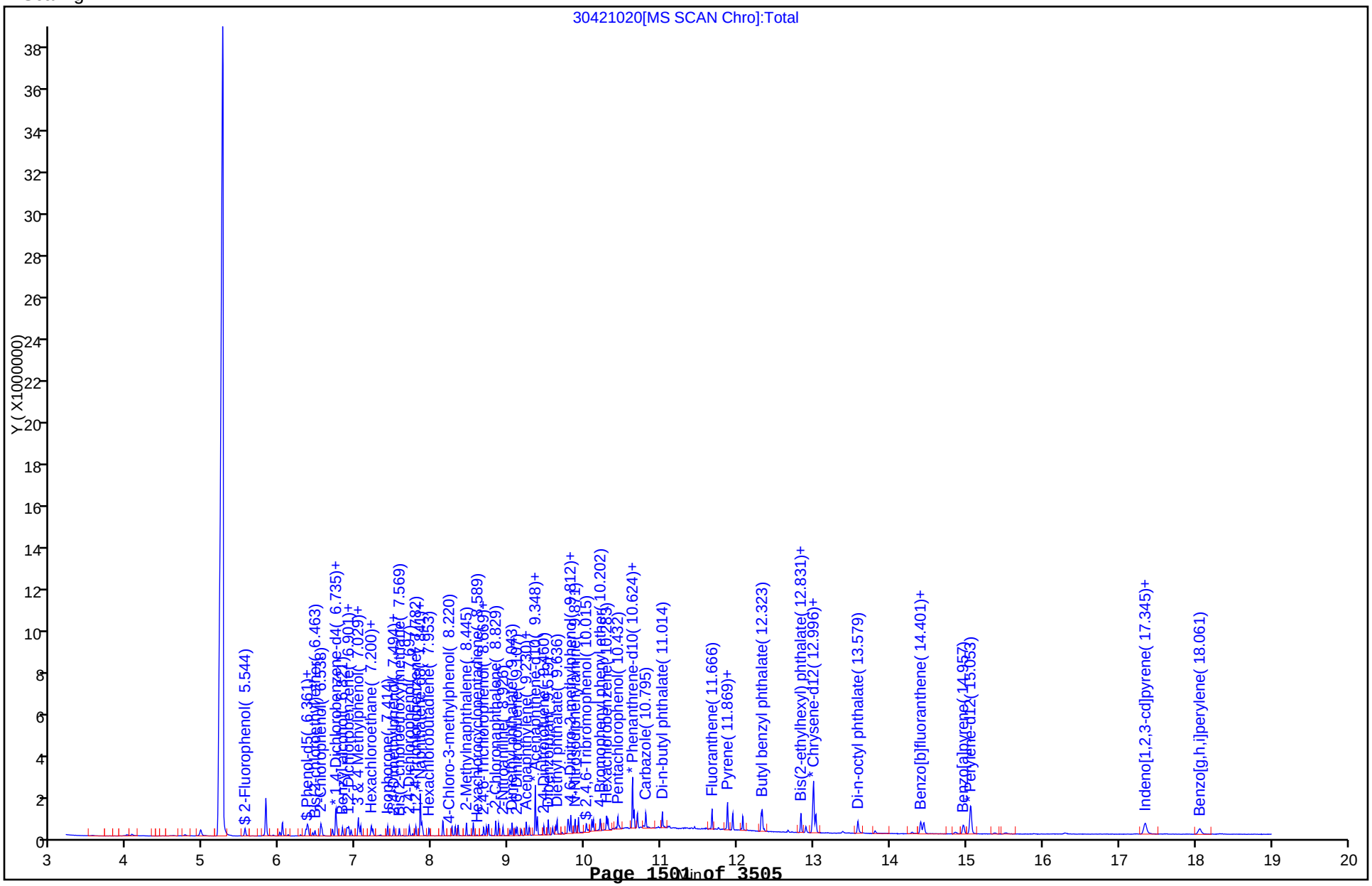
Report Date: 22-Apr-2013 08:55:52 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421020.D

Injection Date:	21-Apr-2013 19:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

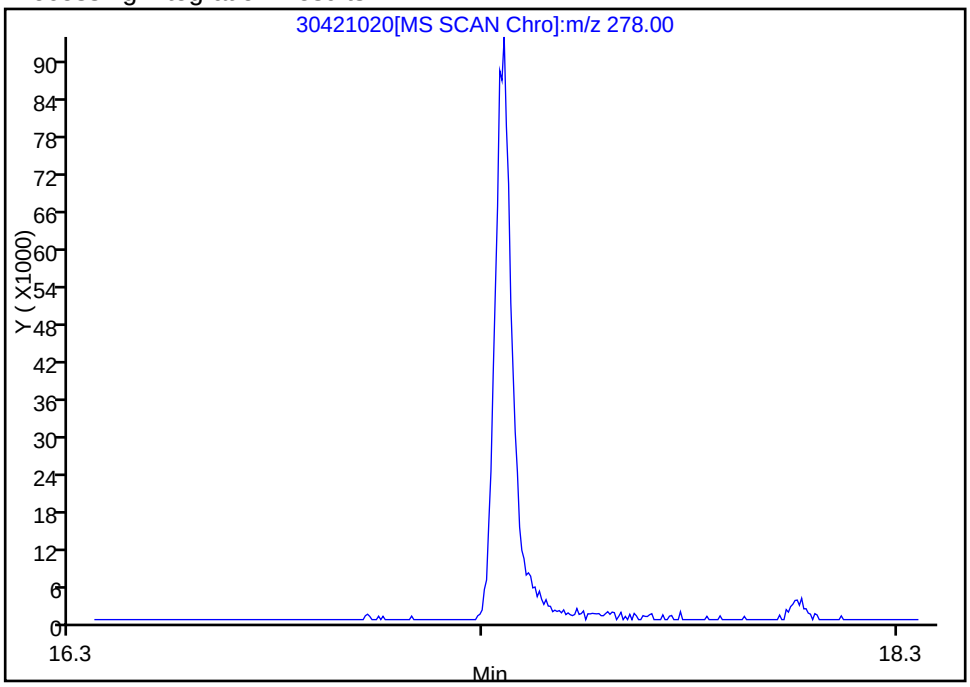
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421020.D		
Injection Date:	21-Apr-2013 19:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	20
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 17.35

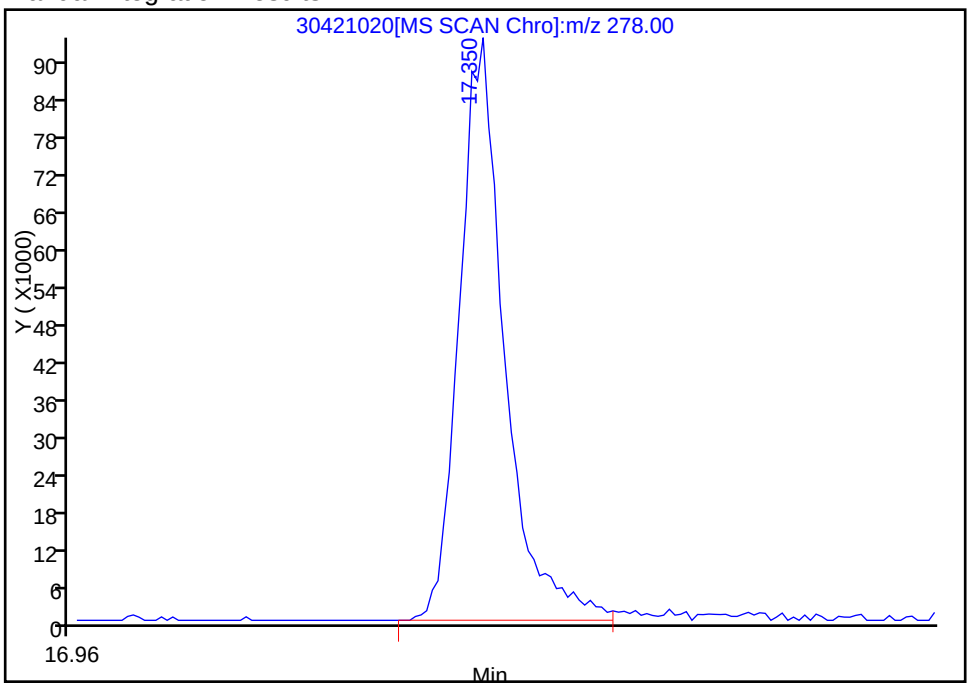
Processing Integration Results

Not Detected
Expected RT: 17.35



Manual Integration Results

RT: 17.35
Response: 276582
Amount: 1.594498



Reviewer: ulmanm, 22-Apr-2013 08:52:29
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0031M-0001-SO MSD | Lab Sample ID: 240-22663-44 MSD

Matrix: Solid | Lab File ID: 30421021.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 13:44

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.28(g) | Date Analyzed: 04/21/2013 19:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	444	D	33	16	16
208-96-8	Acenaphthylene	421	D	33	16	16
120-12-7	Anthracene	427	D	33	16	16
56-55-3	Benzo[a]anthracene	479	D	33	16	16
50-32-8	Benzo[a]pyrene	388	D	33	16	16
205-99-2	Benzo[b]fluoranthene	424	D	33	16	16
191-24-2	Benzo[g,h,i]perylene	445	D	33	16	16
65-85-0	Benzoic acid	1600	U	3300	1600	1600
207-08-9	Benzo[k]fluoranthene	411	D	33	16	16
100-51-6	Benzyl alcohol	393	J D	1600	130	100
111-91-1	Bis(2-chloroethoxy)methane	376	J D	500	130	110
111-44-4	Bis(2-chloroethyl)ether	364	J D	500	16	9.9
108-60-1	bis (2-chloroisopropyl) ether	377	J D	500	130	47
117-81-7	Bis(2-ethylhexyl) phthalate	543	D	350	130	94
101-55-3	4-Bromophenyl phenyl ether	459	D	250	130	64
85-68-7	Butyl benzyl phthalate	498	D	350	130	50
86-74-8	Carbazole	468	D	250	130	130
106-47-8	4-Chloroaniline	305	J D	740	130	84
59-50-7	4-Chloro-3-methylphenol	450	J D	740	130	100
91-58-7	2-Chloronaphthalene	404	D	250	16	16
95-57-8	2-Chlorophenol	401	D	250	130	130
7005-72-3	4-Chlorophenyl phenyl ether	479	D	250	130	64
218-01-9	Chrysene	509	D	33	16	5.4
53-70-3	Dibenz(a,h)anthracene	453	D	33	16	16
132-64-9	Dibenzofuran	451	D	250	16	16
95-50-1	1,2-Dichlorobenzene	373	D	250	130	48
541-73-1	1,3-Dichlorobenzene	363	D	250	130	54
106-46-7	1,4-Dichlorobenzene	361	D	250	130	99
91-94-1	3,3'-Dichlorobenzidine	227	J D	500	400	89
120-83-2	2,4-Dichlorophenol	430	J D	740	130	99
84-66-2	Diethyl phthalate	525	D	350	130	79
105-67-9	2,4-Dimethylphenol	183	D J	740	400	99
131-11-3	Dimethyl phthalate	489	D	350	130	84
84-74-2	Di-n-butyl phthalate	492	D	350	130	74

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0031M-0001-SO MSD | Lab Sample ID: 240-22663-44 MSD

Matrix: Solid | Lab File ID: 30421021.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 13:44

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.28(g) | Date Analyzed: 04/21/2013 19:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	471	D J	740	400	400
51-28-5	2,4-Dinitrophenol	400	U J	1600	400	400
121-14-2	2,4-Dinitrotoluene	460	J D	990	130	130
606-20-2	2,6-Dinitrotoluene	493	J D	990	130	100
117-84-0	Di-n-octyl phthalate	438	D	350	130	130
206-44-0	Fluoranthene	441	D	33	16	16
86-73-7	Fluorene	482	D	33	16	16
118-74-1	Hexachlorobenzene	446	D	33	16	10
87-68-3	Hexachlorobutadiene	369	D	250	130	130
77-47-4	Hexachlorocyclopentadiene	130	U	1600	130	130
67-72-1	Hexachloroethane	348	D	250	130	45
193-39-5	Indeno[1,2,3-cd]pyrene	430	D M	33	16	16
78-59-1	Isophorone	361	D	250	130	64
91-57-6	2-Methylnaphthalene	399	D	33	16	16
95-48-7	2-Methylphenol	400	U J	990	400	400
15831-10-4	3 & 4 Methylphenol	846	J D	2000	400	99
91-20-3	Naphthalene	388	D	33	16	16
88-74-4	2-Nitroaniline	453	J D	990	130	45
99-09-2	3-Nitroaniline	403	J D	990	400	79
100-01-6	4-Nitroaniline	556	J D	990	130	130
98-95-3	Nitrobenzene	369	J D	500	16	11
88-75-5	2-Nitrophenol	366	D	250	130	130
100-02-7	4-Nitrophenol	400	U J	1600	400	400
621-64-7	N-Nitrosodi-n-propylamine	375	D	250	130	130
86-30-6	N-Nitrosodiphenylamine	474	D	250	130	100
87-86-5	Pentachlorophenol	548	J D	740	400	400
85-01-8	Phenanthrene	454	D	33	16	16
108-95-2	Phenol	409	D	250	130	130
129-00-0	Pyrene	519	D	33	16	16
120-82-1	1,2,4-Trichlorobenzene	386	D	250	130	130
95-95-4	2,4,5-Trichlorophenol	443	J D	740	130	120
88-06-2	2,4,6-Trichlorophenol	425	J D	740	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 068SB-0031M-0001-SO MSD | Lab Sample ID: 240-22663-44 MSD

Matrix: Solid | Lab File ID: 30421021.D

Analysis Method: 8270C/DoD | Date Collected: 04/01/2013 13:44

Extract. Method: 3540C | Date Extracted: 04/12/2013 13:15

Sample wt/vol: 30.28(g) | Date Analyzed: 04/21/2013 19:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82876 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	54		45-105
367-12-4	2-Fluorophenol (Surr)	52		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	49		35-100
4165-62-2	Phenol-d5 (Surr)	57		40-100
1718-51-0	Terphenyl-d14 (Surr)	53		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	66		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421021.D
Lims ID: 240-22663-C-44-E MSD Client ID:
Inject. Date: 21-Apr-2013 19:38:30 Dil. Factor: 5.0000
Sample Type: MSD
Sample ID: 240-0019112-021
Misc. Info.: 240-22663-C-44-E MSD =240-22663-C-44-E MSD
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 82876 Lims Sample ID: 21
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\8270 _9.m
Last Update: 22-Apr-2013 08:55:38 Calib Date: 19-Apr-2013 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20130419-19052.b\30419110.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK030

First Level Reviewer: ulmanm Date: 22-Apr-2013 08:54:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.731	6.734	-0.003	95	193454	4.00	
* 2 Naphthalene-d8	136	7.842	7.845	-0.003	99	810251	4.00	
* 3 Acenaphthene-d10	164	9.349	9.352	-0.003	75	487187	4.00	
* 4 Phenanthrene-d10	188	10.625	10.623	0.002	98	813809	4.00	
* 5 Chrysene-d12	240	12.997	13.001	-0.004	77	942420	4.00	
* 6 Perylene-d12	264	15.054	15.057	-0.003	94	868249	4.00	
$ 7 2-Fluorophenol	112	5.545	5.532	0.013	89	123405	1.57	
$ 8 Phenol-d5	99	6.362	6.360	0.002	90	181637	1.72	
$ 9 Nitrobenzene-d5	82	7.201	7.204	-0.003	85	117084	0.9800	
$ 10 2-Fluorobiphenyl (Surr)	172	8.734	8.738	-0.004	94	157158	1.08	
$ 11 2,4,6-Tribromophenol	330	10.016	10.020	-0.004	77	31142	1.98	
$ 12 Terphenyl-d14	244	11.934	11.937	-0.003	97	180362	1.07	
43 Phenol	94	6.373	6.371	0.002	93	134624	1.24	
69 Bis(2-chloroethyl)ether	93	6.459	6.462	-0.003	93	107341	1.10	
46 2-Chlorophenol	128	6.549	6.553	-0.004	90	75766	1.21	
47 1,3-Dichlorobenzene	146	6.688	6.691	-0.003	85	72039	1.10	
48 1,4-Dichlorobenzene	146	6.747	6.750	-0.003	83	73645	1.09	
49 Benzyl alcohol	108	6.822	6.825	-0.003	83	58054	1.19	
50 1,2-Dichlorobenzene	146	6.891	6.889	0.002	83	70756	1.13	
51 2-Methylphenol	108	6.902	6.905	-0.003	88	78441	1.14	
53 2,2'-oxybis[1-chloropropane]	45	6.934	6.937	-0.003	95	104056	1.14	
21 3 & 4 Methylphenol	108	7.030	7.028	0.002	93	184152	2.56	
57 N-Nitrosodi-n-propylamine	70	7.041	7.044	-0.003	74	83463	1.14	
61 Hexachloroethane	117	7.196	7.194	0.002	79	33726	1.06	
62 Nitrobenzene	77	7.217	7.220	-0.003	77	120943	1.12	
64 Isophorone	82	7.415	7.418	-0.003	96	195936	1.09	
65 2,4-Dimethylphenol	107	7.490	7.493	-0.003	90	42196	0.5556	
66 2-Nitrophenol	139	7.495	7.498	-0.003	78	35590	1.11	
71 Benzoic acid	122		7.546					9
70 Bis(2-chloroethoxy)methane	93	7.564	7.568	-0.004	98	118040	1.14	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162	7.698	7.701	-0.003	90	64781	1.30	
74 1,2,4-Trichlorobenzene	180	7.783	7.787	-0.004	83	66562	1.17	
75 Naphthalene	128	7.858	7.861	-0.003	75	230450	1.18	
76 4-Chloroaniline	127	7.874	7.872	0.002	60	95095	0.9231	
79 Hexachlorobutadiene	225	7.954	7.958	-0.004	87	37649	1.12	
86 4-Chloro-3-methylphenol	107	8.254	8.262	-0.008	86	92189	1.36	
87 2-Methylnaphthalene	142	8.446	8.449	-0.003	84	149447	1.21	
89 Hexachlorocyclopentadiene	237	8.585	8.588	-0.003	72	6069	0.1560	
92 2,4,6-Trichlorophenol	196	8.670	8.673	-0.003	85	45689	1.29	
93 2,4,5-Trichlorophenol	196	8.708	8.711	-0.003	87	48524	1.34	
100 2-Chloronaphthalene	162	8.868	8.871	-0.003	98	148000	1.22	
102 2-Nitroaniline	65	8.927	8.924	0.003	62	73184	1.37	
105 Dimethyl phthalate	163	9.044	9.047	-0.003	94	187830	1.48	
107 2,6-Dinitrotoluene	165	9.108	9.111	-0.003	60	43608	1.49	
109 Acenaphthylene	152	9.231	9.234	-0.003	87	238884	1.28	
110 3-Nitroaniline	138	9.269	9.272	-0.003	88	38322	1.22	
111 2,4-Dinitrophenol	184		9.357					
113 4-Nitrophenol	109	9.370	9.373	-0.003	73	28143	1.08	
112 Acenaphthene	153	9.375	9.379	-0.004	94	158784	1.34	
114 2,4-Dinitrotoluene	165	9.461	9.464	-0.003	77	51818	1.39	
116 Dibenzofuran	168	9.520	9.523	-0.003	84	232690	1.37	
121 Diethyl phthalate	149	9.637	9.640	-0.003	94	187799	1.59	
123 4-Chlorophenyl phenyl ether	204	9.776	9.779	-0.003	95	96894	1.45	
125 4-Nitroaniline	138	9.792	9.795	-0.003	72	36937	1.68	
126 Fluorene	166	9.813	9.817	-0.004	78	195133	1.46	
128 4,6-Dinitro-2-methylphenol	198	9.819	9.822	-0.003	54	11381	1.42	
131 N-Nitrosodiphenylamine	169	9.872	9.875	-0.003	98	137716	1.44	
139 4-Bromophenyl phenyl ether	248	10.203	10.201	0.002	68	50240	1.39	
141 Hexachlorobenzene	284	10.300	10.303	-0.003	74	49729	1.35	
143 Pentachlorophenol	266	10.449	10.452	-0.003	64	18364	1.66	
148 Phenanthrene	178	10.642	10.645	-0.003	97	275752	1.37	
149 Anthracene	178	10.690	10.687	0.003	97	256559	1.29	
151 Carbazole	167	10.796	10.800	-0.004	82	242016	1.42	
154 Di-n-butyl phthalate	149	11.015	11.013	0.002	99	296434	1.49	
159 Fluoranthene	202	11.667	11.665	0.002	99	317819	1.34	
161 Pyrene	202	11.870	11.873	-0.003	96	327181	1.57	
168 Butyl benzyl phthalate	149	12.308	12.311	-0.003	90	142881	1.51	
173 Bis(2-ethylhexyl) phthalate	149	12.832	12.830	0.002	96	208827	1.64	
175 3,3'-Dichlorobenzidine	252	12.896	12.899	-0.003	59	49276	0.6866	
177 Benzo[a]anthracene	228	12.981	12.985	-0.003	89	323316	1.45	
178 Chrysene	228	13.024	13.027	-0.003	94	330454	1.54	
180 Di-n-octyl phthalate	149	13.580	13.577	0.003	99	303275	1.33	
182 Benzo[b]fluoranthene	252	14.402	14.406	-0.004	91	288125	1.28	
183 Benzo[k]fluoranthene	252	14.440	14.448	-0.008	98	316964	1.25	
184 Benzo[a]pyrene	252	14.958	14.966	-0.008	69	258242	1.17	
189 Dibenz(a,h)anthracene	278	17.346	17.354	-0.008	47	249162	1.37	
188 Indeno[1,2,3-cd]pyrene	276	17.341	17.354	-0.013	85	290783	1.30	M
190 Benzo[g,h,i]perylene	276	18.051	18.070	-0.019	86	248295	1.35	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

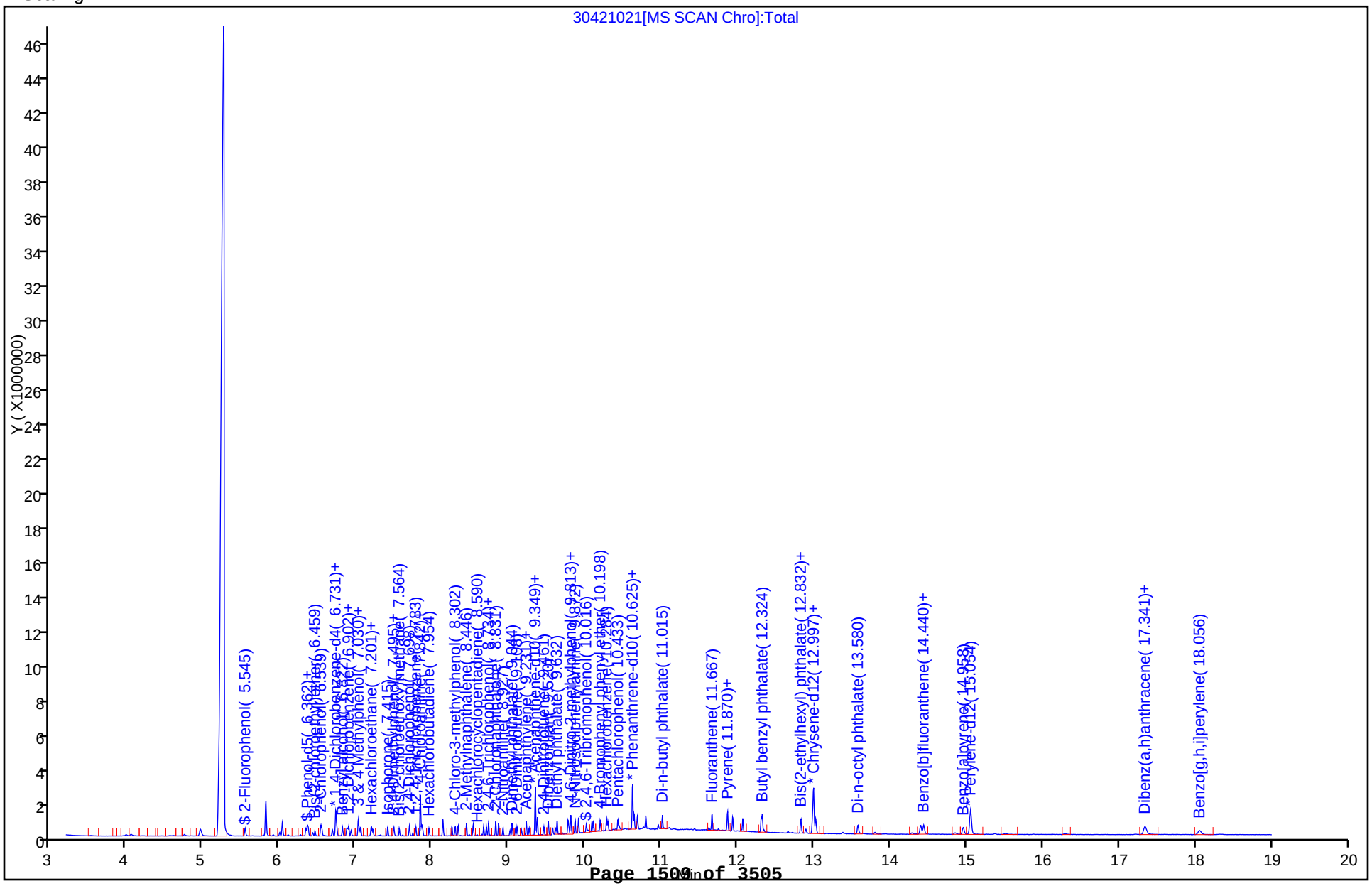
Report Date: 22-Apr-2013 08:55:52 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421021.D

Injection Date:	21-Apr-2013 19:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

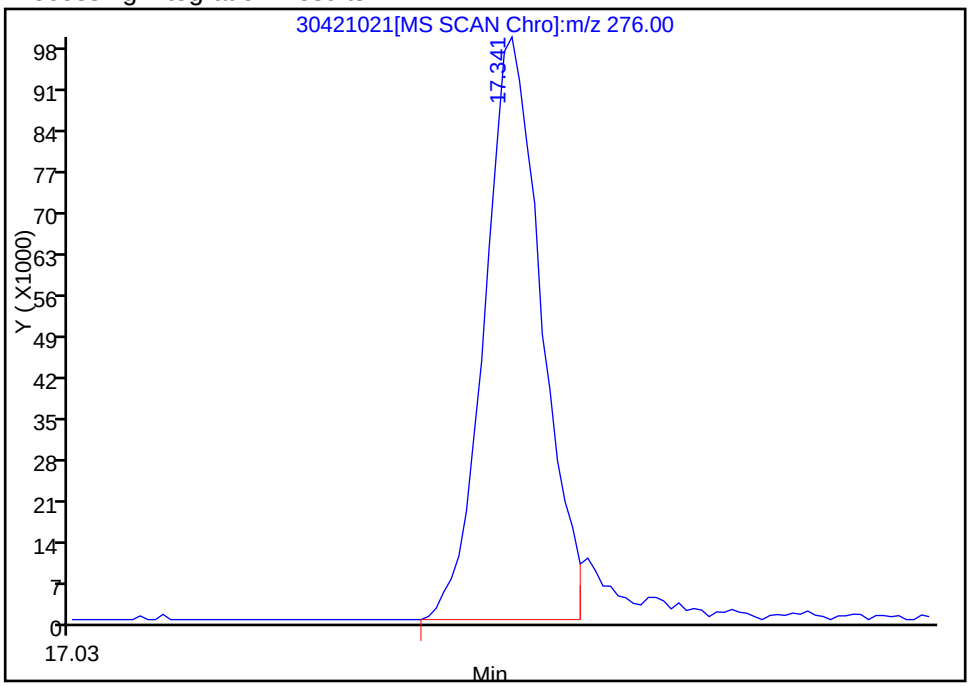
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20130421-19112.b\30421021.D		
Injection Date:	21-Apr-2013 19:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	82876	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 17.35

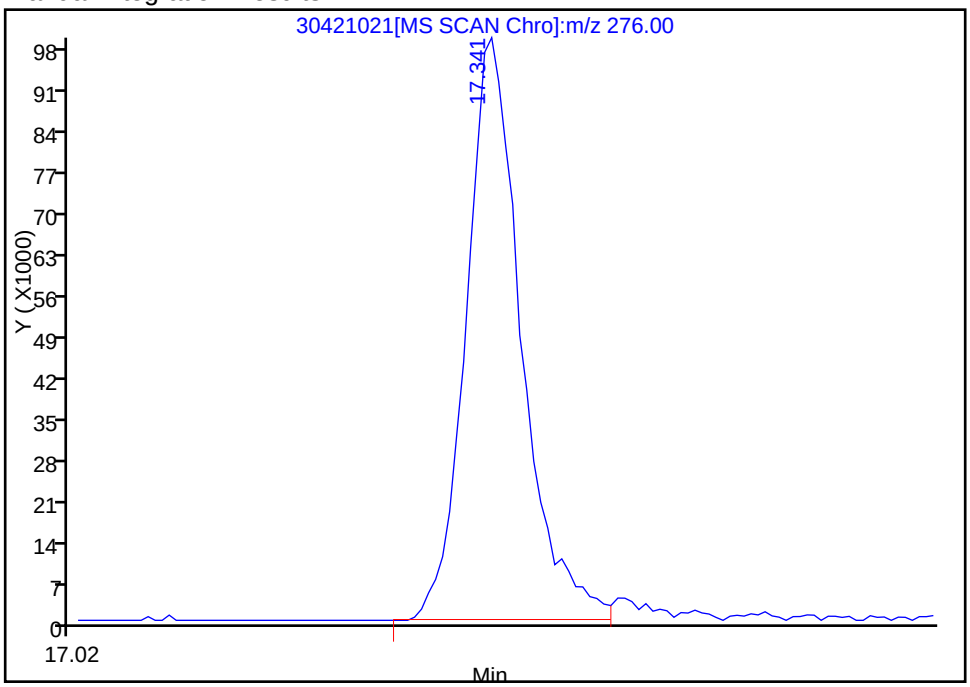
Processing Integration Results

RT: 17.34
Response: 278238
Amount: 1.246645



Manual Integration Results

RT: 17.34
Response: 290783
Amount: 1.302853



Reviewer: ulmanm, 22-Apr-2013 08:54:11
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A4HP9 Start Date: 04/19/2013 10:21

Analysis Batch Number: 82668 End Date: 04/19/2013 14:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-82668/1		04/19/2013 10:21	1	30419101.D	RXI-5SILMS 0.45(mm)
STD5 240-82668/2 IC		04/19/2013 10:42	1	30419102.D	RXI-5SILMS 0.45(mm)
STD4 240-82668/3 IC		04/19/2013 11:08	1	30419103.D	RXI-5SILMS 0.45(mm)
STD3 240-82668/4 IC		04/19/2013 11:34	1	30419104.D	RXI-5SILMS 0.45(mm)
STD2 240-82668/5 IC		04/19/2013 12:01	1	30419105.D	RXI-5SILMS 0.45(mm)
STD1 240-82668/6 IC		04/19/2013 12:27	1	30419106.D	RXI-5SILMS 0.45(mm)
STD9 240-82668/7 IC		04/19/2013 12:53	1	30419107.D	RXI-5SILMS 0.45(mm)
STD8 240-82668/8 IC		04/19/2013 13:19	1	30419108.D	RXI-5SILMS 0.45(mm)
STD7 240-82668/9 IC		04/19/2013 13:45	1	30419109.D	RXI-5SILMS 0.45(mm)
STD6 240-82668/10 ICIS		04/19/2013 14:12	1	30419110.D	RXI-5SILMS 0.45(mm)
ICV 240-82668/11		04/19/2013 14:38	1	30419111.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A4HP9 Start Date: 04/21/2013 10:55

Analysis Batch Number: 82876 End Date: 04/21/2013 22:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-82876/1		04/21/2013 10:55	1	30421001.D	RXI-5SILMS 0.45(mm)
CCV 240-82876/2		04/21/2013 11:16	1	30421002.D	RXI-5SILMS 0.45(mm)
MRL 240-82876/3		04/21/2013 11:42	1	30421003.D	RXI-5SILMS 0.45(mm)
MB 240-81754/21-A		04/21/2013 12:14	1	30421004.D	RXI-5SILMS 0.45(mm)
LCS 240-81754/22-A		04/21/2013 12:40	1	30421005.D	RXI-5SILMS 0.45(mm)
ZZZZZ		04/21/2013 13:06	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/21/2013 13:32	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/21/2013 13:58	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/21/2013 14:24	1		RXI-5SILMS 0.45(mm)
240-22663-40	068SB-0027M-0001-SO	04/21/2013 14:50	1	30421010.D	RXI-5SILMS 0.45(mm)
240-22663-39	068SB-0032-0001-SO	04/21/2013 15:16	1	30421011.D	RXI-5SILMS 0.45(mm)
240-22663-41	068SB-0028M-0001-SO	04/21/2013 15:42	1	30421012.D	RXI-5SILMS 0.45(mm)
240-22663-43	068SB-0030M-0001-SO	04/21/2013 16:09	1	30421013.D	RXI-5SILMS 0.45(mm)
ZZZZZ		04/21/2013 16:34	2.5		RXI-5SILMS 0.45(mm)
240-22663-31	068SB-0017M-0001-SO	04/21/2013 17:01	5	30421015.D	RXI-5SILMS 0.45(mm)
240-22663-36	068SB-0023M-0001-SO	04/21/2013 17:27	5	30421016.D	RXI-5SILMS 0.45(mm)
240-22663-37	068SB-0024M-0001-SO	04/21/2013 17:53	5	30421017.D	RXI-5SILMS 0.45(mm)
240-22663-38	068SB-0025M-0001-SO	04/21/2013 18:19	5	30421018.D	RXI-5SILMS 0.45(mm)
240-22663-44	068SB-0031M-0001-SO	04/21/2013 18:45	5	30421019.D	RXI-5SILMS 0.45(mm)
240-22663-44 MS	068SB-0031M-0001-SO MS	04/21/2013 19:11	5	30421020.D	RXI-5SILMS 0.45(mm)
240-22663-44 MSD	068SB-0031M-0001-SO MSD	04/21/2013 19:38	5	30421021.D	RXI-5SILMS 0.45(mm)
240-22663-35	068SB-0020M-0001-SO	04/21/2013 20:04	5	30421022.D	RXI-5SILMS 0.45(mm)
MRL 240-82876/23		04/21/2013 20:30	1	30421023.D	RXI-5SILMS 0.45(mm)
mdll1 LODV		04/21/2013 20:56	1	30421024.D	RXI-5SILMS 0.45(mm)
mdll2 LODV		04/21/2013 21:22	1	30421025.D	RXI-5SILMS 0.45(mm)
mdll3 LODV		04/21/2013 21:48	1	30421026.D	RXI-5SILMS 0.45(mm)
mdll4 LODV		04/21/2013 22:14	1	30421027.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Instrument ID: A4HP9 Start Date: 04/22/2013 09:11

Analysis Batch Number: 82940 End Date: 04/22/2013 17:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-82940/1		04/22/2013 09:11	1	30422001.D	RXI-5SILMS 0.45(mm)
CCV 240-82940/2		04/22/2013 09:33	1	30422002.D	RXI-5SILMS 0.45(mm)
MRL 240-82940/3		04/22/2013 09:59	1	30422003.D	RXI-5SILMS 0.45(mm)
ZZZZZ		04/22/2013 10:27	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/22/2013 10:53	1		RXI-5SILMS 0.45(mm)
240-22663-4	079SB-0014M-0001-SO	04/22/2013 12:38	5	30422009.D	RXI-5SILMS 0.45(mm)
240-22663-17	073SB-0041M-0001-SO	04/22/2013 13:04	5	30422010.D	RXI-5SILMS 0.45(mm)
240-22663-28	079SB-0028M-0001-SO	04/22/2013 13:30	5	30422011.D	RXI-5SILMS 0.45(mm)
240-22663-32	068SB-0018M-0001-SO	04/22/2013 13:57	5	30422012.D	RXI-5SILMS 0.45(mm)
240-22663-7	079SB-0017M-0001-SO	04/22/2013 14:23	5	30422013.D	RXI-5SILMS 0.45(mm)
240-22663-26	079SB-0026M-0001-SO	04/22/2013 14:49	5	30422014.D	RXI-5SILMS 0.45(mm)
240-22663-33	068SB-0019M-0001-SO	04/22/2013 15:15	5	30422015.D	RXI-5SILMS 0.45(mm)
240-22663-34	068SB-0022M-0001-SO	04/22/2013 15:41	5	30422016.D	RXI-5SILMS 0.45(mm)
ZZZZZ		04/22/2013 16:07	1		RXI-5SILMS 0.45(mm)
ZZZZZ		04/22/2013 16:34	1		RXI-5SILMS 0.45(mm)
MRL 240-82940/19		04/22/2013 17:00	1	30422019.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Batch Number: 81754 Batch Start Date: 04/12/13 14:25 Batch Analyst: Cerne, Amanda

Batch Method: 3540C Batch End Date: 04/13/13 06:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00035	EXBNASURRW 00024	EXRESTEKSPKW 00019	
240-22663-G-4-A	079SB-0014M-0001-SO	3540C, 8270C/DoD	T	29.57 g	2 mL		1 mL		
240-22663-G-7-A	079SB-0017M-0001-SO	3540C, 8270C/DoD	T	29.69 g	2 mL		1 mL		
240-22663-G-17-A	073SB-0041M-0001-SO	3540C, 8270C/DoD	T	29.85 g	2 mL		1 mL		
240-22663-G-26-A	079SB-0026M-0001-SO	3540C, 8270C/DoD	T	29.92 g	2 mL		1 mL		
240-22663-G-28-A	079SB-0028M-0001-SO	3540C, 8270C/DoD	T	29.67 g	2 mL		1 mL		
240-22663-C-31-A	068SB-0017M-0001-SO	3540C, 8270C/DoD	T	29.88 g	2 mL		1 mL		
240-22663-C-32-A	068SB-0018M-0001-SO	3540C, 8270C/DoD	T	29.72 g	2 mL		1 mL		
240-22663-C-33-A	068SB-0019M-0001-SO	3540C, 8270C/DoD	T	30.45 g	2 mL		1 mL		
240-22663-C-34-A	068SB-0022M-0001-SO	3540C, 8270C/DoD	T	29.53 g	2 mL		1 mL		
240-22663-C-35-A	068SB-0020M-0001-SO	3540C, 8270C/DoD	T	29.99 g	2 mL		1 mL		
240-22663-C-36-A	068SB-0023M-0001-SO	3540C, 8270C/DoD	T	30.14 g	2 mL		1 mL		
240-22663-C-37-A	068SB-0024M-0001-SO	3540C, 8270C/DoD	T	29.92 g	2 mL		1 mL		
240-22663-C-38-A	068SB-0025M-0001-SO	3540C, 8270C/DoD	T	29.83 g	2 mL		1 mL		
240-22663-C-39	068SB-0032-0001-SO	3540C, 8270C/DoD	T	29.52 g	2 mL		1 mL		
240-22663-C-40-A	068SB-0027M-0001-SO	3540C, 8270C/DoD	T	30.02 g	2 mL		1 mL		
240-22663-C-41-A	068SB-0028M-0001-SO	3540C, 8270C/DoD	T	30.09 g	2 mL		1 mL		
240-22663-C-43-A	068SB-0030M-0001-SO	3540C, 8270C/DoD	T	29.76 g	2 mL		1 mL		
240-22663-C-44-A	068SB-0031M-0001-SO	3540C, 8270C/DoD	T	30.40 g	2 mL		1 mL		
240-22663-C-44-A MS	068SB-0031M-0001-SO	3540C, 8270C/DoD	T	30.32 g	2 mL	1 mL	1 mL	1 mL	
240-22663-C-44-A MSD	068SB-0031M-0001-SO	3540C, 8270C/DoD	T	30.28 g	2 mL	1 mL	1 mL	1 mL	
MB 240-81754/21		3540C, 8270C/DoD		30.00 g	2 mL		1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Batch Number: 81754 Batch Start Date: 04/12/13 14:25 Batch Analyst: Cerne, Amanda

Batch Method: 3540C Batch End Date: 04/13/13 06:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00035	EXBNASURRW 00024	EXRESTEKSPKW 00019	
LCS 240-81754/22		3540C, 8270C/DoD		30.00 g	2 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	b037
Na2SO4 Lot Number	857442
Prep Solvent Lot #	928642

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8081 DOD

Organochlorine Pesticides (GC) by Method 8081A/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCB1	#	DCB2	#
079SB-0014M-0001-SO	240-22663-4	99		72		80		76	
079SB-0014M-0001-SO RE	240-22663-4 RE	109		118		92		90	
079SB-0017M-0001-SO	240-22663-7	87		68	Q	71		71	
079SB-0017M-0001-SO RE	240-22663-7 RE	91		101		89		88	
070SB-0046M-0001-SB	240-22663-10	87		89		92		101	
070SB-0046M-0001-SB RE	240-22663-10 RE	112		108		134	Q	145	Q
073SB-0041M-0001-SO	240-22663-17	80		63	Q	73		72	
073SB-0041M-0001-SO RE	240-22663-17 RE	107		91		98		95	
079SB-0026M-0001-SO	240-22663-26	53	Q	59	Q	57		57	
079SB-0026M-0001-SO RE	240-22663-26 RE	90		80		91		90	
079SB-0028M-0001-SO	240-22663-28	56	Q	58	Q	64		60	
079SB-0028M-0001-SO RE	240-22663-28 RE	91		85		105		98	
	MB 240-81726/21-A	59	Q	57	Q	64		63	
	MB 240-83135/18-A	119		173	Q	91		92	
	LCS 240-81726/22-A	95		102		85		85	M
	LCS 240-83135/19-A	131	Q	178	Q	90		93	
079SB-0028M-0001-SO MS RE	240-22663-28 MS RE	94		88		118		105	
079SB-0028M-0001-SO MSD RE	240-22663-28 MSD RE	87		94		103		82	

	QC LIMITS
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Column to be used to flag recovery values

FORM II 8081/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
	MRL 240-82685/6	103	96	124	131 Q
	MRL 240-82685/41	102	95	120	125
	MRL 240-82857/6	99	93	113	116
	MRL 240-82857/39	96	91	119	122
	MRL 240-83400/26	123	119	136 Q	135 Q
	MRL 240-83400/52	120	118	130	124

	QC LIMITS
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Column to be used to flag recovery values

FORM II 8081/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P3041915.D

Lab ID: LCS 240-81726/22-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	33.3	33.9	102	30-135	
4,4'-DDE	33.3	28.1	84	70-125	
4,4'-DDT	33.3	32.9	99	45-140	
Aldrin	33.3	26.3	79	45-140	
alpha-BHC	33.3	30.7	92	60-125	
alpha-Chlordane	33.3	28.5	86	65-120	
beta-BHC	33.3	29.5	89	60-125	
delta-BHC	33.3	31.8	95	55-130	
Dieldrin	33.3	32.2	97	65-125	
Endosulfan I	33.3	21.7	65	15-135	
Endosulfan II	33.3	26.3	79	35-140	
Endosulfan sulfate	33.3	30.9	93	60-135	
Endrin	33.3	32.4	97	60-135	
Endrin aldehyde	33.3	24.9	75	35-145	
Endrin ketone	33.3	28.9	87	65-135	
gamma-BHC (Lindane)	33.3	31.1	93	60-125	
gamma-Chlordane	33.3	31.5	94	65-125	
Heptachlor	33.3	33.7	101	50-140	
Heptachlor epoxide	33.3	31.5	95	65-130	
Methoxychlor	33.3	32.7	98	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P3042437.D

Lab ID: LCS 240-83135/19-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	33.3	40.7	122	30-135	
4,4'-DDE	33.3	35.1	105	70-125	
4,4'-DDT	33.3	30.5	91	45-140	M
Aldrin	33.3	27.5	83	45-140	
alpha-BHC	33.3	32.3	97	60-125	
alpha-Chlordane	33.3	32.8	98	65-120	
beta-BHC	33.3	30.5	92	60-125	
delta-BHC	33.3	34.1	102	55-130	
Dieldrin	33.3	35.4	106	65-125	
Endosulfan I	33.3	29.5	89	15-135	
Endosulfan II	33.3	36.0	108	35-140	
Endosulfan sulfate	33.3	35.5	107	60-135	
Endrin	33.3	34.5	103	60-135	
Endrin aldehyde	33.3	36.5	110	35-145	
Endrin ketone	33.3	33.9	102	65-135	
gamma-BHC (Lindane)	33.3	32.0	96	60-125	
gamma-Chlordane	33.3	35.7	107	65-125	
Heptachlor	33.3	28.4	85	50-140	
Heptachlor epoxide	33.3	34.8	104	65-130	
Methoxychlor	33.3	34.8	105	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P3041906.D

Lab ID: MRL 240-82685/6 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00539	108	70-130	
4,4'-DDD	0.00500	0.00559	112	70-130	
4,4'-DDE	0.00500	0.00528	106	70-130	
4,4'-DDE	0.00500	0.00522	104	70-130	
4,4'-DDT	0.00500	0.00649	130	70-130	
4,4'-DDT	0.00500	0.00667	133	70-130	^
Aldrin	0.00500	0.00525	105	70-130	
Aldrin	0.00500	0.00550	110	70-130	
alpha-BHC	0.00500	0.00515	103	70-130	
alpha-BHC	0.00500	0.00535	107	70-130	
alpha-Chlordane	0.00500	0.00559	112	70-130	
alpha-Chlordane	0.00500	0.00580	116	70-130	
beta-BHC	0.00500	0.00590	118	70-130	
beta-BHC	0.00500	0.00654	131	70-130	^
delta-BHC	0.00500	0.00527	105	70-130	
delta-BHC	0.00500	0.00571	114	70-130	
Dieldrin	0.00500	0.00536	107	70-130	
Dieldrin	0.00500	0.00562	112	70-130	
Endosulfan I	0.00500	0.00588	118	70-130	
Endosulfan I	0.00500	0.00611	122	70-130	
Endosulfan II	0.00500	0.00571	114	70-130	
Endosulfan II	0.00500	0.00657	131	70-130	^
Endosulfan sulfate	0.00500	0.00597	119	70-130	
Endosulfan sulfate	0.00500	0.00656	131	70-130	^
Endrin	0.00500	0.00563	113	70-130	
Endrin	0.00500	0.00606	121	70-130	
Endrin aldehyde	0.00500	0.00611	122	70-130	
Endrin aldehyde	0.00500	0.00666	133	70-130	^
Endrin ketone	0.00500	0.00605	121	70-130	
Endrin ketone	0.00500	0.00665	133	70-130	^
gamma-BHC (Lindane)	0.00500	0.00534	107	70-130	
gamma-BHC (Lindane)	0.00500	0.00574	115	70-130	
gamma-Chlordane	0.00500	0.00558	112	70-130	
gamma-Chlordane	0.00500	0.00593	119	70-130	
Heptachlor	0.00500	0.00612	122	70-130	
Heptachlor	0.00500	0.00640	128	70-130	
Heptachlor epoxide	0.00500	0.00578	116	70-130	
Heptachlor epoxide	0.00500	0.00605	121	70-130	
Methoxychlor	0.00500	0.00772 J	154	70-130	^
Methoxychlor	0.00500	0.00788 J	158	70-130	^

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P3041920.D

Lab ID: MRL 240-82685/41 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00619	124	70-130	
4,4'-DDD	0.00500	0.00645	129	70-130	
4,4'-DDE	0.00500	0.00512	102	70-130	
4,4'-DDE	0.00500	0.00508	102	70-130	
4,4'-DDT	0.00500	0.00409 J	82	70-130	
4,4'-DDT	0.00500	0.00424 J	85	70-130	
Aldrin	0.00500	0.00518	104	70-130	
Aldrin	0.00500	0.00543	109	70-130	
alpha-BHC	0.00500	0.00494 J	99	70-130	
alpha-BHC	0.00500	0.00521	104	70-130	
alpha-Chlordane	0.00500	0.00564	113	70-130	
alpha-Chlordane	0.00500	0.00570	114	70-130	
beta-BHC	0.00500	0.00580	116	70-130	
beta-BHC	0.00500	0.00642	128	70-130	
delta-BHC	0.00500	0.00513	103	70-130	
delta-BHC	0.00500	0.00553	111	70-130	
Dieldrin	0.00500	0.00533	107	70-130	
Dieldrin	0.00500	0.00548	110	70-130	
Endosulfan I	0.00500	0.00575	115	70-130	
Endosulfan I	0.00500	0.00597	119	70-130	
Endosulfan II	0.00500	0.00569	114	70-130	
Endosulfan II	0.00500	0.00638	128	70-130	
Endosulfan sulfate	0.00500	0.00579	116	70-130	
Endosulfan sulfate	0.00500	0.00638	128	70-130	
Endrin	0.00500	0.00565	113	70-130	
Endrin	0.00500	0.00587	117	70-130	
Endrin aldehyde	0.00500	0.00582	116	70-130	
Endrin aldehyde	0.00500	0.00636	127	70-130	
Endrin ketone	0.00500	0.00541	108	70-130	
Endrin ketone	0.00500	0.00587	117	70-130	
gamma-BHC (Lindane)	0.00500	0.00514	103	70-130	
gamma-BHC (Lindane)	0.00500	0.00554	111	70-130	
gamma-Chlordane	0.00500	0.00552	110	70-130	
gamma-Chlordane	0.00500	0.00578	116	70-130	
Heptachlor	0.00500	0.00577	115	70-130	
Heptachlor	0.00500	0.00606	121	70-130	
Heptachlor epoxide	0.00500	0.00566	113	70-130	
Heptachlor epoxide	0.00500	0.00590	118	70-130	
Methoxychlor	0.00500	0.00543 J	109	70-130	
Methoxychlor	0.00500	0.00548 J	110	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P3042006.D

Lab ID: MRL 240-82857/6 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00381 J	76	70-130	
4,4'-DDD	0.00500	0.00383 J	77	70-130	
4,4'-DDE	0.00500	0.00451 J	90	70-130	
4,4'-DDE	0.00500	0.00439 J	88	70-130	
4,4'-DDT	0.00500	0.00396 J	79	70-130	
4,4'-DDT	0.00500	0.00415 J	83	70-130	
Aldrin	0.00500	0.00431 J	86	70-130	
Aldrin	0.00500	0.00447 J	89	70-130	
alpha-BHC	0.00500	0.00405 J	81	70-130	
alpha-BHC	0.00500	0.00423 J	85	70-130	
alpha-Chlordane	0.00500	0.00447 J	89	70-130	
alpha-Chlordane	0.00500	0.00455 J	91	70-130	
beta-BHC	0.00500	0.00463 J	93	70-130	
beta-BHC	0.00500	0.00510	102	70-130	
delta-BHC	0.00500	0.00387 J	77	70-130	
delta-BHC	0.00500	0.00426 J	85	70-130	
Dieldrin	0.00500	0.00419 J	84	70-130	
Dieldrin	0.00500	0.00429 J	86	70-130	
Endosulfan I	0.00500	0.00428 J	86	70-130	
Endosulfan I	0.00500	0.00438 J	88	70-130	
Endosulfan II	0.00500	0.00409 J	82	70-130	
Endosulfan II	0.00500	0.00471 J	94	70-130	
Endosulfan sulfate	0.00500	0.00445 J	89	70-130	
Endosulfan sulfate	0.00500	0.00478 J	96	70-130	
Endrin	0.00500	0.00407 J	81	70-130	
Endrin	0.00500	0.00429 J	86	70-130	
Endrin aldehyde	0.00500	0.00402 J	80	70-130	
Endrin aldehyde	0.00500	0.00437 J	87	70-130	
Endrin ketone	0.00500	0.00403 J	81	70-130	
Endrin ketone	0.00500	0.00445 J	89	70-130	
gamma-BHC (Lindane)	0.00500	0.00393 J	79	70-130	
gamma-BHC (Lindane)	0.00500	0.00427 J	85	70-130	
gamma-Chlordane	0.00500	0.00419 J	84	70-130	
gamma-Chlordane	0.00500	0.00448 J	90	70-130	
Heptachlor	0.00500	0.00406 J	81	70-130	
Heptachlor	0.00500	0.00429 J	86	70-130	
Heptachlor epoxide	0.00500	0.00440 J	88	70-130	
Heptachlor epoxide	0.00500	0.00460 J	92	70-130	
Methoxychlor	0.00500	0.00458 J	92	70-130	
Methoxychlor	0.00500	0.00469 J	94	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P3042039.D

Lab ID: MRL 240-82857/39 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00593	119	70-130	
4,4'-DDD	0.00500	0.00648	130	70-130	
4,4'-DDE	0.00500	0.00491 J	98	70-130	
4,4'-DDE	0.00500	0.00486 J	97	70-130	
4,4'-DDT	0.00500	0.0030 U	26	70-130	^
4,4'-DDT	0.00500	0.0030 U	28	70-130	^
Aldrin	0.00500	0.00496 J	99	70-130	
Aldrin	0.00500	0.00516	103	70-130	
alpha-BHC	0.00500	0.00460 J	92	70-130	
alpha-BHC	0.00500	0.00475 J	95	70-130	
alpha-Chlordane	0.00500	0.00508	102	70-130	
alpha-Chlordane	0.00500	0.00529	106	70-130	
beta-BHC	0.00500	0.00508	102	70-130	
beta-BHC	0.00500	0.00556	111	70-130	
delta-BHC	0.00500	0.00445 J	89	70-130	
delta-BHC	0.00500	0.00480 J	96	70-130	
Dieldrin	0.00500	0.00491 J	98	70-130	
Dieldrin	0.00500	0.00498 J	100	70-130	
Endosulfan I	0.00500	0.00487 J	97	70-130	
Endosulfan I	0.00500	0.00505	101	70-130	
Endosulfan II	0.00500	0.00483 J	97	70-130	
Endosulfan II	0.00500	0.00595	119	70-130	
Endosulfan sulfate	0.00500	0.00519	104	70-130	
Endosulfan sulfate	0.00500	0.00574	115	70-130	
Endrin	0.00500	0.00439 J	88	70-130	
Endrin	0.00500	0.00459 J	92	70-130	
Endrin aldehyde	0.00500	0.00446 J	89	70-130	
Endrin aldehyde	0.00500	0.00472 J	94	70-130	
Endrin ketone	0.00500	0.00389 J	78	70-130	
Endrin ketone	0.00500	0.00429 J	86	70-130	
gamma-BHC (Lindane)	0.00500	0.00420 J	84	70-130	
gamma-BHC (Lindane)	0.00500	0.00455 J	91	70-130	
gamma-Chlordane	0.00500	0.00494 J	99	70-130	
gamma-Chlordane	0.00500	0.00533	107	70-130	
Heptachlor	0.00500	0.00375 J	75	70-130	
Heptachlor	0.00500	0.00390 J	78	70-130	
Heptachlor epoxide	0.00500	0.00498 J	100	70-130	
Heptachlor epoxide	0.00500	0.00518	104	70-130	
Methoxychlor	0.00500	0.0030 U	48	70-130	^
Methoxychlor	0.00500	0.0030 U	44	70-130	^

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P3042426.D

Lab ID: MRL 240-83400/26 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00649	130	70-130	
4,4'-DDD	0.00500	0.00654	131	70-130	^
4,4'-DDE	0.00500	0.00634	127	70-130	
4,4'-DDE	0.00500	0.00617	123	70-130	
4,4'-DDT	0.00500	0.00556	111	70-130	
4,4'-DDT	0.00500	0.00597	119	70-130	
Aldrin	0.00500	0.00602	120	70-130	
Aldrin	0.00500	0.00600	120	70-130	
alpha-BHC	0.00500	0.00555	111	70-130	
alpha-BHC	0.00500	0.00536	107	70-130	
alpha-Chlordane	0.00500	0.00635	127	70-130	
alpha-Chlordane	0.00500	0.00631	126	70-130	
beta-BHC	0.00500	0.00626	125	70-130	
beta-BHC	0.00500	0.00632	126	70-130	
delta-BHC	0.00500	0.00522	104	70-130	
delta-BHC	0.00500	0.00528	106	70-130	
Dieldrin	0.00500	0.00612	122	70-130	
Dieldrin	0.00500	0.00610	122	70-130	
Endosulfan I	0.00500	0.00629	126	70-130	
Endosulfan I	0.00500	0.00627	125	70-130	
Endosulfan II	0.00500	0.00648	130	70-130	
Endosulfan II	0.00500	0.00668	134	70-130	^
Endosulfan sulfate	0.00500	0.00607	121	70-130	
Endosulfan sulfate	0.00500	0.00678	136	70-130	^
Endrin	0.00500	0.00628	126	70-130	
Endrin	0.00500	0.00625	125	70-130	
Endrin aldehyde	0.00500	0.00641	128	70-130	
Endrin aldehyde	0.00500	0.00673	135	70-130	^
Endrin ketone	0.00500	0.00628	126	70-130	M
Endrin ketone	0.00500	0.00679	136	70-130	^
gamma-BHC (Lindane)	0.00500	0.00555	111	70-130	
gamma-BHC (Lindane)	0.00500	0.00550	110	70-130	
gamma-Chlordane	0.00500	0.00617	123	70-130	
gamma-Chlordane	0.00500	0.00623	125	70-130	
Heptachlor	0.00500	0.00605	121	70-130	
Heptachlor	0.00500	0.00624	125	70-130	
Heptachlor epoxide	0.00500	0.00625	125	70-130	
Heptachlor epoxide	0.00500	0.00621	124	70-130	
Methoxychlor	0.00500	0.00644 J	129	70-130	
Methoxychlor	0.00500	0.00719 J	144	70-130	^

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P3042439.D

Lab ID: MRL 240-83400/52 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00694	139	70-130	^
4,4'-DDD	0.00500	0.00720	144	70-130	^
4,4'-DDE	0.00500	0.00639	128	70-130	
4,4'-DDE	0.00500	0.00613	123	70-130	
4,4'-DDT	0.00500	0.00329 J	66	70-130	^
4,4'-DDT	0.00500	0.00363 J	73	70-130	
Aldrin	0.00500	0.00606	121	70-130	
Aldrin	0.00500	0.00611	122	70-130	
alpha-BHC	0.00500	0.00551	110	70-130	
alpha-BHC	0.00500	0.00538	108	70-130	
alpha-Chlordane	0.00500	0.00640	128	70-130	
alpha-Chlordane	0.00500	0.00633	127	70-130	
beta-BHC	0.00500	0.00626	125	70-130	
beta-BHC	0.00500	0.00642	128	70-130	
delta-BHC	0.00500	0.00453 J	91	70-130	
delta-BHC	0.00500	0.00478 J	96	70-130	
Dieldrin	0.00500	0.00613	123	70-130	
Dieldrin	0.00500	0.00619	124	70-130	
Endosulfan I	0.00500	0.00618	124	70-130	
Endosulfan I	0.00500	0.00600	120	70-130	
Endosulfan II	0.00500	0.00633	127	70-130	
Endosulfan II	0.00500	0.00651	130	70-130	
Endosulfan sulfate	0.00500	0.00617	123	70-130	
Endosulfan sulfate	0.00500	0.00624	125	70-130	
Endrin	0.00500	0.00592	118	70-130	
Endrin	0.00500	0.00610	122	70-130	
Endrin aldehyde	0.00500	0.00536	107	70-130	
Endrin aldehyde	0.00500	0.00534	107	70-130	
Endrin ketone	0.00500	0.00554	111	70-130	
Endrin ketone	0.00500	0.00565	113	70-130	
gamma-BHC (Lindane)	0.00500	0.00544	109	70-130	
gamma-BHC (Lindane)	0.00500	0.00538	108	70-130	
gamma-Chlordane	0.00500	0.00634	127	70-130	
gamma-Chlordane	0.00500	0.00629	126	70-130	
Heptachlor	0.00500	0.00536	107	70-130	
Heptachlor	0.00500	0.00542	108	70-130	
Heptachlor epoxide	0.00500	0.00633	127	70-130	
Heptachlor epoxide	0.00500	0.00626	125	70-130	
Methoxychlor	0.00500	0.00459 J	92	70-130	
Methoxychlor	0.00500	0.00487 J	97	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P3042434.D

Lab ID: 240-22663-28 MS RE Client ID: 079SB-0028M-0001-SO MS RE

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
4,4'-DDD	33.8	0.66 U	38.3	113	30-135	H
4,4'-DDE	33.8	0.66 U	33.1	98	70-125	H
4,4'-DDT	33.8	0.66 U	34.4	102	45-140	H
Aldrin	33.8	1.3 U	26.3	78	45-140	H
alpha-BHC	33.8	1.3 U	31.8	94	60-125	H
alpha-Chlordane	33.8	1.3 U	29.8	88	65-120	H
beta-BHC	33.8	1.3 U	29.9	89	60-125	H
delta-BHC	33.8	1.3 U	33.3	98	55-130	H
Dieldrin	33.8	0.66 U	34.7	103	65-125	H
Endosulfan I	33.8	0.66 U	26.9	80	15-135	H
Endosulfan II	33.8	1.3 U	35.0	104	35-140	H
Endosulfan sulfate	33.8	1.3 U	35.5	105	60-135	H
Endrin	33.8	0.66 U	35.0	104	60-135	H
Endrin aldehyde	33.8	1.3 U	32.7	97	35-145	H
Endrin ketone	33.8	0.66 U	32.3	96	65-135	H
gamma-BHC (Lindane)	33.8	1.3 U	32.7	97	60-125	H
gamma-Chlordane	33.8	0.66 U	34.8	103	65-125	H
Heptachlor	33.8	1.3 U	27.2	81	50-140	H
Heptachlor epoxide	33.8	1.3 U	34.2	101	65-130	H
Methoxychlor	33.8	3.3 U	38.3	113	55-145	H

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P3042435.D

Lab ID: 240-22663-28 MSD RE Client ID: 079SB-0028M-0001-SO MSD RE

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	33.4	36.4	109	5	30	30-135	H
4,4'-DDE	33.4	32.1	96	3	30	70-125	H
4,4'-DDT	33.4	31.2	93	10	30	45-140	H
Aldrin	33.4	25.3	76	4	30	45-140	H
alpha-BHC	33.4	30.9	92	3	30	60-125	H
alpha-Chlordane	33.4	28.6	86	4	30	65-120	H
beta-BHC	33.4	28.8	86	4	30	60-125	H
delta-BHC	33.4	31.9	95	4	30	55-130	H
Dieldrin	33.4	33.3	100	4	30	65-125	H
Endosulfan I	33.4	26.2	78	3	30	15-135	H
Endosulfan II	33.4	33.6	101	4	30	35-140	H
Endosulfan sulfate	33.4	32.5	97	9	30	60-135	H
Endrin	33.4	33.7	101	4	30	60-135	H
Endrin aldehyde	33.4	30.9	92	6	30	35-145	H
Endrin ketone	33.4	30.2	90	7	30	65-135	H
gamma-BHC (Lindane)	33.4	31.2	93	5	30	60-125	H
gamma-Chlordane	33.4	33.1	99	5	30	65-125	H
Heptachlor	33.4	25.6	76	6	30	50-140	H
Heptachlor epoxide	33.4	32.7	98	4	30	65-130	H
Methoxychlor	33.4	33.2	99	14	30	55-145	H

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: MB 240-81726/21-A

Matrix: Solid Date Extracted: 04/12/2013 11:07

Lab File ID:(1) P3041914.D Lab File ID:(2) P3041914.D

Date Analyzed:(1) 04/19/2013 15:17 Date Analyzed:(2) 04/19/2013 15:17

Instrument ID:(1) A2HP3 Instrument ID:(2) A2HP3

GC Column:(1) CLP-1 ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-81726/22-A	04/19/2013 15:37	04/19/2013 15:37
079SB-0014M-0001-SO	240-22663-4	04/20/2013 18:04	04/20/2013 18:04
079SB-0017M-0001-SO	240-22663-7	04/20/2013 18:24	04/20/2013 18:24
070SB-0046M-0001-SB	240-22663-10	04/20/2013 18:44	04/20/2013 18:44
073SB-0041M-0001-SO	240-22663-17	04/20/2013 19:04	04/20/2013 19:04
079SB-0026M-0001-SO	240-22663-26	04/20/2013 19:24	04/20/2013 19:24
079SB-0028M-0001-SO	240-22663-28	04/20/2013 19:44	04/20/2013 19:44

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: MB 240-83135/18-A

Matrix: Solid Date Extracted: 04/23/2013 08:54

Lab File ID:(1) P3042436.D Lab File ID:(2) P3042436.D

Date Analyzed:(1) 04/24/2013 21:54 Date Analyzed:(2) 04/24/2013 21:54

Instrument ID:(1) A2HP3 Instrument ID:(2) A2HP3

GC Column:(1) CLP-1 ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
079SB-0014M-0001-SO RE	240-22663-4 RE	04/24/2013 19:13	04/24/2013 19:13
079SB-0017M-0001-SO RE	240-22663-7 RE	04/24/2013 19:33	04/24/2013 19:33
070SB-0046M-0001-SB RE	240-22663-10 RE	04/24/2013 19:53	04/24/2013 19:53
073SB-0041M-0001-SO RE	240-22663-17 RE	04/24/2013 20:13	04/24/2013 20:13
079SB-0026M-0001-SO RE	240-22663-26 RE	04/24/2013 20:34	04/24/2013 20:34
079SB-0028M-0001-SO RE	240-22663-28 RE	04/24/2013 20:54	04/24/2013 20:54
079SB-0028M-0001-SO MS RE	240-22663-28 MS RE	04/24/2013 21:14	04/24/2013 21:14
079SB-0028M-0001-SO MSD RE	240-22663-28 MSD RE	04/24/2013 21:34	04/24/2013 21:34
	LCS 240-83135/19-A	04/24/2013 22:14	04/24/2013 22:14

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: CCV 240-82685/5 Date Analyzed: 04/19/2013 11:45

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P3041905.D Heated Purge: (Y/N) N

Calibration ID: 14138

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.49	12.82	
UPPER LIMIT				3.52	12.85	
LOWER LIMIT				3.46	12.79	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82685/5 CCVRT		04/19/2013 11:45	P3041905.D	3.49	12.82	
MB 240-81726/21-A		04/19/2013 15:17	P3041914.D	3.48	12.82	
LCS 240-81726/22-A		04/19/2013 15:37	P3041915.D	3.48	12.84	
CCV 240-82685/19		04/19/2013 16:58	P3041919.D	3.48	12.85	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: CCV 240-82685/5 Date Analyzed: 04/19/2013 11:45

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P3041905.D Heated Purge: (Y/N) N

Calibration ID: 14139

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.09	14.25	
UPPER LIMIT				4.12	14.28	
LOWER LIMIT				4.06	14.22	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82685/5 CCVRT		04/19/2013 11:45	P3041905.D	4.09	14.25	
MB 240-81726/21-A		04/19/2013 15:17	P3041914.D	4.08	14.24	
LCS 240-81726/22-A		04/19/2013 15:37	P3041915.D	4.08	14.23	
CCV 240-82685/19		04/19/2013 16:58	P3041919.D	4.08	14.23	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: CCV 240-82857/5 Date Analyzed: 04/20/2013 14:22

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P3042005.D Heated Purge: (Y/N) N

Calibration ID: 14138

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.47	12.79	
UPPER LIMIT				3.50	12.82	
LOWER LIMIT				3.44	12.76	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82857/5 CCVRT		04/20/2013 14:22	P3042005.D	3.47	12.79	
CCV 240-82857/15		04/20/2013 17:43	P3042015.D	3.48	12.80	
240-22663-4	079SB-0014M-0001-SO	04/20/2013 18:04	P3042016.D	3.48	12.80	
240-22663-7	079SB-0017M-0001-SO	04/20/2013 18:24	P3042017.D	3.48	12.80	
240-22663-10	070SB-0046M-0001-SB	04/20/2013 18:44	P3042018.D	3.48	12.79	
240-22663-17	073SB-0041M-0001-SO	04/20/2013 19:04	P3042019.D	3.48	12.80	
240-22663-26	079SB-0026M-0001-SO	04/20/2013 19:24	P3042020.D	3.48	12.80	
240-22663-28	079SB-0028M-0001-SO	04/20/2013 19:44	P3042021.D	3.48	12.80	
CCV 240-82857/27		04/20/2013 21:45	P3042027.D	3.47	12.79	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: CCV 240-82857/5 Date Analyzed: 04/20/2013 14:22

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P3042005.D Heated Purge: (Y/N) N

Calibration ID: 14139

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.07	14.25	
UPPER LIMIT				4.10	14.28	
LOWER LIMIT				4.04	14.22	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-82857/5 CCVRT		04/20/2013 14:22	P3042005.D	4.07	14.25	
CCV 240-82857/15		04/20/2013 17:43	P3042015.D	4.07	14.24	
240-22663-4	079SB-0014M-0001-SO	04/20/2013 18:04	P3042016.D	4.07	14.25	
240-22663-7	079SB-0017M-0001-SO	04/20/2013 18:24	P3042017.D	4.07	14.24	
240-22663-10	070SB-0046M-0001-SB	04/20/2013 18:44	P3042018.D	4.07	14.24	
240-22663-17	073SB-0041M-0001-SO	04/20/2013 19:04	P3042019.D	4.07	14.24	
240-22663-26	079SB-0026M-0001-SO	04/20/2013 19:24	P3042020.D	4.07	14.24	
240-22663-28	079SB-0028M-0001-SO	04/20/2013 19:44	P3042021.D	4.07	14.24	
CCV 240-82857/27		04/20/2013 21:45	P3042027.D	4.07	14.24	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: STD 240-83061/19 Date Analyzed: 04/22/2013 23:34

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P3042219.D Heated Purge: (Y/N) N

Calibration ID: 14696

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				3.47	12.79	
UPPER LIMIT				3.50	12.82	
LOWER LIMIT				3.44	12.76	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
PEM 240-83061/4		04/22/2013 18:32	P3042204.D	3.47		
STD 240-83061/19 ICRT		04/22/2013 23:34	P3042219.D	3.47	12.79	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: STD 240-83061/19 Date Analyzed: 04/22/2013 23:34

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P3042219.D Heated Purge: (Y/N) N

Calibration ID: 14697

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				4.07	14.23	
UPPER LIMIT				4.10	14.26	
LOWER LIMIT				4.04	14.20	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
PEM 240-83061/4		04/22/2013 18:32	P3042204.D	4.07		
STD 240-83061/19 ICRT		04/22/2013 23:34	P3042219.D	4.07	14.23	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: CCV 240-83400/5 Date Analyzed: 04/24/2013 11:29

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P3042405.D Heated Purge: (Y/N) N

Calibration ID: 14696

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.47	12.78	
UPPER LIMIT				3.50	12.81	
LOWER LIMIT				3.44	12.75	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-83400/5 CCVRT		04/24/2013 11:29	P3042405.D	3.47	12.78	
CCV 240-83400/24		04/24/2013 17:52	P3042424.D	3.47	12.79	
PEM 240-83400/27		04/24/2013 18:53	P3042427.D	3.47		
240-22663-4 RE	079SB-0014M-0001-SO RE	04/24/2013 19:13	P3042428.D	3.47	12.79	
240-22663-7 RE	079SB-0017M-0001-SO RE	04/24/2013 19:33	P3042429.D	3.47	12.79	
240-22663-10 RE	070SB-0046M-0001-SB RE	04/24/2013 19:53	P3042430.D	3.47	12.79	
240-22663-17 RE	073SB-0041M-0001-SO RE	04/24/2013 20:13	P3042431.D	3.47	12.79	
240-22663-26 RE	079SB-0026M-0001-SO RE	04/24/2013 20:34	P3042432.D	3.47	12.79	
240-22663-28 RE	079SB-0028M-0001-SO RE	04/24/2013 20:54	P3042433.D	3.47	12.79	
240-22663-28 MS RE	079SB-0028M-0001-SO MS RE	04/24/2013 21:14	P3042434.D	3.47	12.79	
240-22663-28 MSD RE	079SB-0028M-0001-SO MSD RE	04/24/2013 21:34	P3042435.D	3.47	12.79	
MB 240-83135/18-A		04/24/2013 21:54	P3042436.D	3.47	12.79	
LCS 240-83135/19-A		04/24/2013 22:14	P3042437.D	3.47	12.79	
CCV 240-83400/38		04/24/2013 22:35	P3042438.D	3.47	12.79	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Sample No.: CCV 240-83400/5 Date Analyzed: 04/24/2013 11:29

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P3042405.D Heated Purge: (Y/N) N

Calibration ID: 14697

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.06	14.22	
UPPER LIMIT				4.09	14.25	
LOWER LIMIT				4.03	14.19	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-83400/5 CCVRT		04/24/2013 11:29	P3042405.D	4.06	14.22	
CCV 240-83400/24		04/24/2013 17:52	P3042424.D	4.06	14.22	
PEM 240-83400/27		04/24/2013 18:53	P3042427.D	4.07		
240-22663-4 RE	079SB-0014M-0001-SO RE	04/24/2013 19:13	P3042428.D	4.07	14.22	
240-22663-7 RE	079SB-0017M-0001-SO RE	04/24/2013 19:33	P3042429.D	4.07	14.22	
240-22663-10 RE	070SB-0046M-0001-SB RE	04/24/2013 19:53	P3042430.D	4.07	14.22	
240-22663-17 RE	073SB-0041M-0001-SO RE	04/24/2013 20:13	P3042431.D	4.07	14.22	
240-22663-26 RE	079SB-0026M-0001-SO RE	04/24/2013 20:34	P3042432.D	4.07	14.22	
240-22663-28 RE	079SB-0028M-0001-SO RE	04/24/2013 20:54	P3042433.D	4.07	14.22	
240-22663-28 MS RE	079SB-0028M-0001-SO MS RE	04/24/2013 21:14	P3042434.D	4.07	14.22	
240-22663-28 MSD RE	079SB-0028M-0001-SO MSD RE	04/24/2013 21:34	P3042435.D	4.07	14.22	
MB 240-83135/18-A		04/24/2013 21:54	P3042436.D	4.07	14.22	
LCS 240-83135/19-A		04/24/2013 22:14	P3042437.D	4.07	14.22	
CCV 240-83400/38		04/24/2013 22:35	P3042438.D	4.06	14.22	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 073SB-0041M-0001-SO Lab Sample ID: 240-22663-17

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

Date Analyzed (1): 04/20/2013 19:04 Date Analyzed (2): 04/20/2013 19:04

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		7.87	7.84	7.90	0.38		1.1
	2		9.74	9.71	9.77	0.38		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 073SB-0041M-0001-SO RE Lab Sample ID: 240-22663-17 RE

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

Date Analyzed (1): 04/24/2013 20:13 Date Analyzed (2): 04/24/2013 20:13

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.17	4.13	4.19	1.2		26.1
	2		4.93	4.89	4.95	0.91		
4,4'-DDE	1		7.85	7.82	7.88	0.66		20.1
	2		9.73	9.70	9.76	0.54		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0028M-0001-SO MS RE Lab Sample ID: 240-22663-28 MS RE

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

Date Analyzed (1): 04/24/2013 21:14 Date Analyzed (2): 04/24/2013 21:14

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.16	4.13	4.19	31.8		10.1
	2		4.92	4.89	4.95	35.2		
gamma-BHC (Lindane)	1		4.54	4.51	4.57	32.7		7.0
	2		5.50	5.46	5.52	35.1		
beta-BHC	1		4.67	4.64	4.70	29.9		176.9
	2		5.72	5.65	5.71	489		
delta-BHC	1		4.88	4.85	4.91	33.3		11.0
	2		6.26	6.23	6.29	29.8		
Heptachlor	1		5.16	5.13	5.19	27.2		6.5
	2		6.32	6.29	6.35	25.5		
Aldrin	1		5.61	5.58	5.64	26.3		30.0
	2		7.07	7.03	7.09	35.6		
Heptachlor epoxide	1		6.82	6.79	6.85	34.2		16.4
	2		8.56	8.54	8.60	40.3		
gamma-Chlordane	1		7.12	7.09	7.15	34.8		4.9
	2		8.97	8.94	9.00	36.6		
alpha-Chlordane	1		7.47	7.44	7.50	29.8		15.7
	2		9.28	9.25	9.31	34.9		
Endosulfan I	1		7.75	7.72	7.78	26.9		32.7
	2		9.35	9.32	9.38	37.5		
4,4'-DDE	1		7.85	7.82	7.88	33.1		9.2
	2		9.73	9.70	9.76	36.3		
Dieldrin	1		8.31	8.28	8.34	34.7		11.2
	2		9.87	9.84	9.90	38.8		
Endrin	1		8.77	8.74	8.80	35.0		3.2
	2		10.40	10.37	10.43	36.1		
4,4'-DDD	1		9.14	9.11	9.17	38.3		15.2
	2		10.74	10.71	10.77	44.5		
Endosulfan II	1		9.22	9.20	9.26	35.0		7.7
	2		10.77	10.74	10.80	37.8		
4,4'-DDT	1		9.67	9.64	9.70	34.4		6.7
	2		11.22	11.19	11.25	36.8		
Endrin aldehyde	1		10.03	10.00	10.06	32.7		9.3
	2		11.33	11.30	11.36	35.9		
Methoxychlor	1		10.63	10.60	10.66	38.3		1.6
	2		12.30	12.27	12.33	38.9		
Endosulfan sulfate	1		10.76	10.73	10.79	35.5		12.1
	2		11.75	11.72	11.78	40.1		
Endrin ketone	1		11.16	11.14	11.20	32.3		18.6
	2		12.50	12.47	12.53	38.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0028M-0001-SO MSD Lab Sample ID: 240-22663-28 MSD RE

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

Date Analyzed (1): 04/24/2013 21:34 Date Analyzed (2): 04/24/2013 21:34

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.16	4.13	4.19	30.9		8.4
	2		4.92	4.89	4.95	33.6		
gamma-BHC (Lindane)	1		4.54	4.51	4.57	31.2		7.2
	2		5.49	5.46	5.52	33.5		
beta-BHC	1		4.67	4.64	4.70	28.8		177.4
	2		5.72	5.65	5.71	481		
delta-BHC	1		4.88	4.85	4.91	31.9		11.5
	2		6.26	6.23	6.29	28.4		
Heptachlor	1		5.16	5.13	5.19	25.6		4.2
	2		6.32	6.29	6.35	24.5		
Aldrin	1		5.61	5.58	5.64	25.3		30.1
	2		7.07	7.03	7.09	34.2		
Heptachlor epoxide	1		6.82	6.79	6.85	32.7		13.7
	2		8.56	8.54	8.60	37.5		
gamma-Chlordane	1		7.12	7.09	7.15	33.1		5.5
	2		8.97	8.94	9.00	35.0		
alpha-Chlordane	1		7.47	7.44	7.50	28.6		16.1
	2		9.28	9.25	9.31	33.6		
Endosulfan I	1		7.75	7.72	7.78	26.2		30.0
	2		9.35	9.32	9.38	35.5		
4,4'-DDE	1		7.85	7.82	7.88	32.1		7.6
	2		9.73	9.70	9.76	34.6		
Dieldrin	1		8.31	8.28	8.34	33.3		10.7
	2		9.87	9.84	9.90	37.1		
Endrin	1		8.77	8.74	8.80	33.7		1.6
	2		10.40	10.37	10.43	34.2		
4,4'-DDD	1		9.14	9.11	9.17	36.4		11.0
	2		10.74	10.71	10.77	40.7		
Endosulfan II	1		9.22	9.20	9.26	33.6		9.0
	2		10.77	10.74	10.80	36.8		
4,4'-DDT	1		9.66	9.64	9.70	31.2		5.9
	2		11.22	11.19	11.25	33.1		
Endrin aldehyde	1		10.03	10.00	10.06	30.9		8.1
	2		11.33	11.30	11.36	33.5		
Methoxychlor	1		10.63	10.60	10.66	33.2		4.1
	2		12.30	12.27	12.33	34.6		
Endosulfan sulfate	1		10.76	10.73	10.79	32.5		14.6
	2		11.75	11.72	11.78	37.6		
Endrin ketone	1		11.16	11.14	11.20	30.2		19.6
	2		12.50	12.47	12.53	36.7		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-81726/22-A

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

Date Analyzed (1): 04/19/2013 15:37 Date Analyzed (2): 04/19/2013 15:37

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.17	4.15	4.21	30.7		19.4
	2		4.93	4.92	4.98	37.2		
gamma-BHC (Lindane)	1		4.55	4.53	4.59	31.1		13.3
	2		5.51	5.50	5.56	35.6		
beta-BHC	1		4.68	4.67	4.73	29.5		15.0
	2		5.69	5.69	5.75	34.3		
delta-BHC	1		4.90	4.88	4.94	31.8		10.1
	2		6.27	6.27	6.33	35.2		
Heptachlor	1		5.18	5.16	5.22	33.7		7.1
	2		6.33	6.34	6.40	36.2		
Aldrin	1		5.64	5.61	5.67	26.3		28.2
	2		7.08	7.09	7.15	34.9		
Heptachlor epoxide	1		6.87	6.84	6.90	31.5		18.1
	2		8.58	8.58	8.64	37.8		
gamma-Chlordane	1		7.17	7.14	7.20	31.5		11.9
	2		8.99	8.98	9.04	35.5		
alpha-Chlordane	1		7.52	7.49	7.55	28.5		16.3
	2		9.30	9.29	9.35	33.6		
Endosulfan I	1		7.80	7.77	7.83	21.7		28.8
	2		9.36	9.36	9.42	29.0		
4,4'-DDE	1		7.90	7.87	7.93	28.1		17.7
	2		9.74	9.74	9.80	33.6		
Dieldrin	1		8.36	8.33	8.39	32.2		9.6
	2		9.89	9.88	9.94	35.4		
Endrin	1		8.82	8.79	8.85	32.4		13.6
	2		10.41	10.41	10.47	37.2		
4,4'-DDD	1		9.18	9.15	9.21	33.9		22.3
	2		10.75	10.75	10.81	42.4		
Endosulfan II	1		9.27	9.24	9.30	26.3		13.5
	2		10.78	10.78	10.84	30.1		
4,4'-DDT	1		9.70	9.68	9.74	32.9		6.5
	2		11.23	11.23	11.29	35.1		
Endrin aldehyde	1		10.07	10.04	10.10	24.9		14.9
	2		11.35	11.34	11.40	28.9		
Methoxychlor	1		10.66	10.64	10.70	32.7		6.0
	2		12.31	12.31	12.37	34.8		
Endosulfan sulfate	1		10.80	10.77	10.83	30.9		16.3
	2		11.77	11.76	11.82	36.3		
Endrin ketone	1		11.20	11.17	11.23	28.9		17.6
	2		12.51	12.51	12.57	34.5		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-83135/19-A

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

Date Analyzed (1): 04/24/2013 22:14 Date Analyzed (2): 04/24/2013 22:14

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.16	4.13	4.19	32.3		7.9
	2		4.92	4.89	4.95	35.0		
gamma-BHC (Lindane)	1		4.54	4.51	4.57	32.0		6.7
	2		5.50	5.46	5.52	34.2		
beta-BHC	1		4.67	4.64	4.70	30.5		5.7
	2		5.68	5.65	5.71	32.3		
delta-BHC	1		4.88	4.85	4.91	34.1		10.7
	2		6.26	6.23	6.29	30.7		
Heptachlor	1		5.16	5.13	5.19	28.4		5.4
	2		6.32	6.29	6.35	26.9		
Aldrin	1		5.61	5.58	5.64	27.5		27.0
	2		7.07	7.03	7.09	36.1		
Heptachlor epoxide	1		6.82	6.79	6.85	34.8		4.1
	2		8.57	8.54	8.60	36.2		
gamma-Chlordane	1		7.12	7.09	7.15	35.7		3.6
	2		8.97	8.94	9.00	37.0		
alpha-Chlordane	1		7.47	7.44	7.50	32.8		6.8
	2		9.28	9.25	9.31	35.1		
Endosulfan I	1		7.75	7.72	7.78	29.5		23.3
	2		9.35	9.32	9.38	37.3		
4,4'-DDE	1		7.85	7.82	7.88	35.1		6.4
	2		9.73	9.70	9.76	37.4		
Dieldrin	1		8.31	8.28	8.34	35.4		5.9
	2		9.87	9.84	9.90	37.6		
Endrin	1		8.77	8.74	8.80	34.5		4.3
	2		10.40	10.37	10.43	36.0		
4,4'-DDD	1		9.14	9.11	9.17	40.7		12.8
	2		10.74	10.71	10.77	46.2		
Endosulfan II	1		9.22	9.20	9.26	36.0		6.0
	2		10.77	10.74	10.80	38.2		
4,4'-DDT	1		9.67	9.64	9.70	30.5		3.2
	2		11.22	11.19	11.25	31.4		
Endrin aldehyde	1		10.03	10.00	10.06	36.5		2.3
	2		11.33	11.30	11.36	37.4		
Methoxychlor	1		10.63	10.60	10.66	34.8		1.5
	2		12.30	12.27	12.33	35.4		
Endosulfan sulfate	1		10.76	10.73	10.79	35.5		6.0
	2		11.75	11.72	11.78	37.7		
Endrin ketone	1		11.16	11.14	11.20	33.9		10.1
	2		12.50	12.47	12.53	37.5		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0014M-0001-SO | Lab Sample ID: 240-22663-4

Matrix: Solid | Lab File ID: P3042016.D

Analysis Method: 8081/DOD | Date Collected: 04/01/2013 10:12

Extraction Method: 3540C | Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.09(g) | Date Analyzed: 04/20/2013 18:04

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.67*	*U*	*2.0*	0.67	*0.62*
72-55-9	*4,4'-DDE*	*0.67*	*U*	*1.7*	0.67	*0.39*
50-29-3	*4,4'-DDT*	*0.67*	*U*	*2.0*	0.67	*0.63*
309-00-2	*Aldrin*	*1.3*	*U*	*4.0*	1.3	*1.2*
319-84-6	*alpha-BHC*	*1.3*	*U*	*2.5*	1.3	*0.73*
5103-71-9	*alpha-Chlordane*	*1.3*	*U*	*3.0*	1.3	*0.94*
319-85-7	*beta-BHC*	*1.3*	*U*	*3.5*	1.3	*1.1*
319-86-8	*delta-BHC*	*1.3*	*U*	*4.0*	1.3	*1.2*
60-57-1	*Dieldrin*	*0.67*	*U*	*1.7*	0.67	*0.47*
959-98-8	*Endosulfan I*	*0.67*	*U*	*1.7*	0.67	*0.52*
33213-65-9	*Endosulfan II*	*1.3*	*U*	*2.5*	1.3	*0.82*
1031-07-8	*Endosulfan sulfate*	*1.3*	*U*	*3.0*	1.3	*0.87*
72-20-8	*Endrin*	*0.67*	*U*	*1.7*	0.67	*0.50*
7421-93-4	*Endrin aldehyde*	*1.3*	*U*	*3.0*	1.3	*1.0*
53494-70-5	*Endrin ketone*	*0.67*	*U*	*2.0*	0.67	*0.63*
58-89-9	*gamma-BHC (Lindane)*	*1.3*	*U*	*2.5*	1.3	*0.74*
5103-74-2	*gamma-Chlordane*	*0.67*	*U*	*1.7*	0.67	*0.42*
76-44-8	*Heptachlor*	*1.3*	*U*	*3.5*	1.3	*1.1*
1024-57-3	*Heptachlor epoxide*	*1.3*	*U*	*2.5*	1.3	*0.80*
72-43-5	*Methoxychlor*	*3.3*	*U*	*5.0*	3.3	*1.5*
8001-35-2	*Toxaphene*	*20*	*U*	*67*	20	*19*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80		55-130
877-09-8	Tetrachloro-m-xylene	99		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042016.D		
Lims ID:	240-22663-G-4-B	Client ID:	079SB-0014M-0001-SO
Inject. Date:	20-Apr-2013 18:04:08	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019105-016		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	82857	Lims Sample ID:	16
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m		
Last Update:	22-Apr-2013 10:31:04	Calib Date:	16-Apr-2013 14:58:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.475	3.475	0.000	21762307	0.0198			
2	100	4.071	4.071	0.000	8741115	0.0145			
						RPD = 30.99			
5 alpha-BHC									
1	100	4.174	4.164	0.010	2104177	0.001296			
2	100	4.940	4.924	0.016	424831	0.000552			
						RPD = 80.55			
20 gamma-BHC (Lindane)									
1	100		4.542						
2	100		5.506						
7 beta-BHC									
1	100		4.675						
2	100		5.692						
11 delta-BHC									
1	100		4.888						
2	100		6.274						
22 Heptachlor									1
1	100		5.170						
2	100		6.336						
4 Aldrin									
1	100		5.618						
2	100		7.082						
23 Heptachlor epoxide									
1	100		6.838						
2	100		8.582						
21 gamma-Chlordane									1
1	100		7.138						
2	100		8.986						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.486						
2	100		9.296						
14 Endosulfan I									1
1	100		7.763						
2	100		9.361						
2 4,4'-DDE									
1	100		7.866						
2	100		9.743						
13 Dieldrin									
1	100		8.326						
2	100		9.891						
17 Endrin									1
1	100		8.787						
2	100		10.412						
1 4,4'-DDD									1
1	100		9.153						
2	100		10.754						
15 Endosulfan II									
1	100		9.240						
2	100		10.785						
3 4,4'-DDT									
1	100		9.681						
2	100		11.236						
18 Endrin aldehyde									
1	100		10.045						
2	100		11.353						
30 Toxaphene									1
1	1		10.234						
1	2		10.577						
1	3		10.727						
1	4		11.144						
1	5		11.417						
2	100		10.338						
2	2		10.933						
2	3		11.356						
2	4		12.099						
2	5		12.662						
27 Methoxychlor									
1	100		10.641						
2	100		12.321						
16 Endosulfan sulfate									
1	100		10.774						
2	100		11.772						
19 Endrin ketone									
1	100		11.176						
2	100		12.522						
$ 10 DCB Decachlorobiphenyl									
1	100	12.796	12.796	0.000	15280378	0.0159			
2	100	14.245	14.244	0.001	7341899	0.0153			

RPD = 4.10

QC Flag Legend

Processing Flags
1 - Missing Peaks

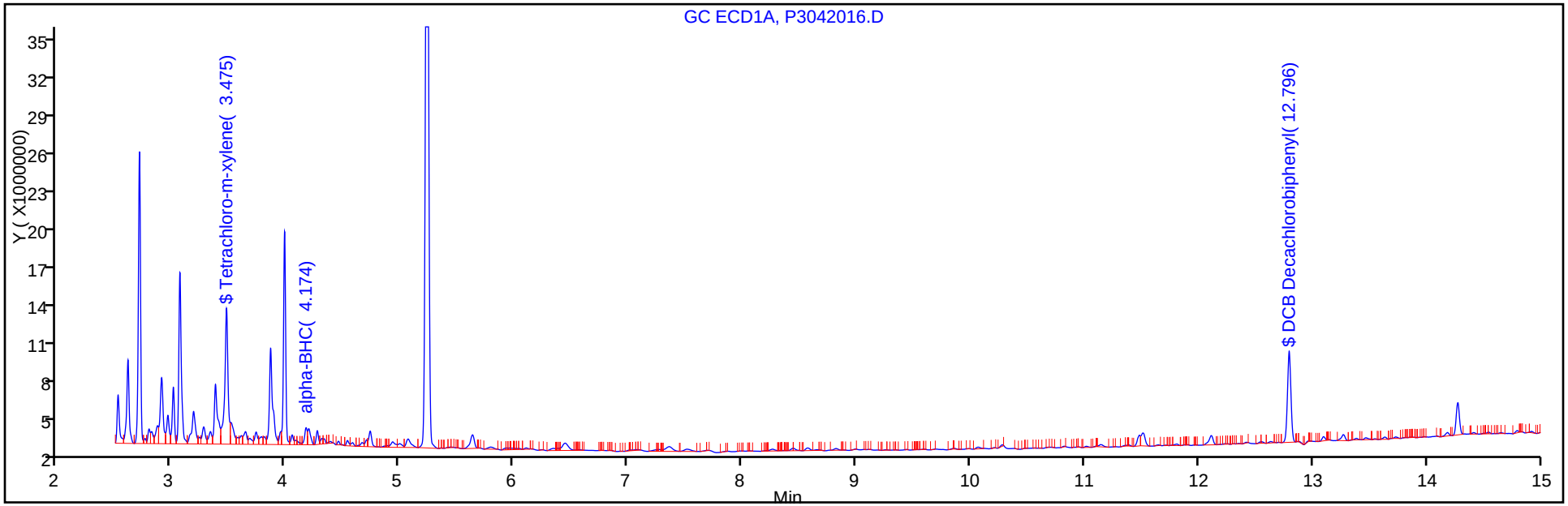
Report Date: 22-Apr-2013 10:31:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

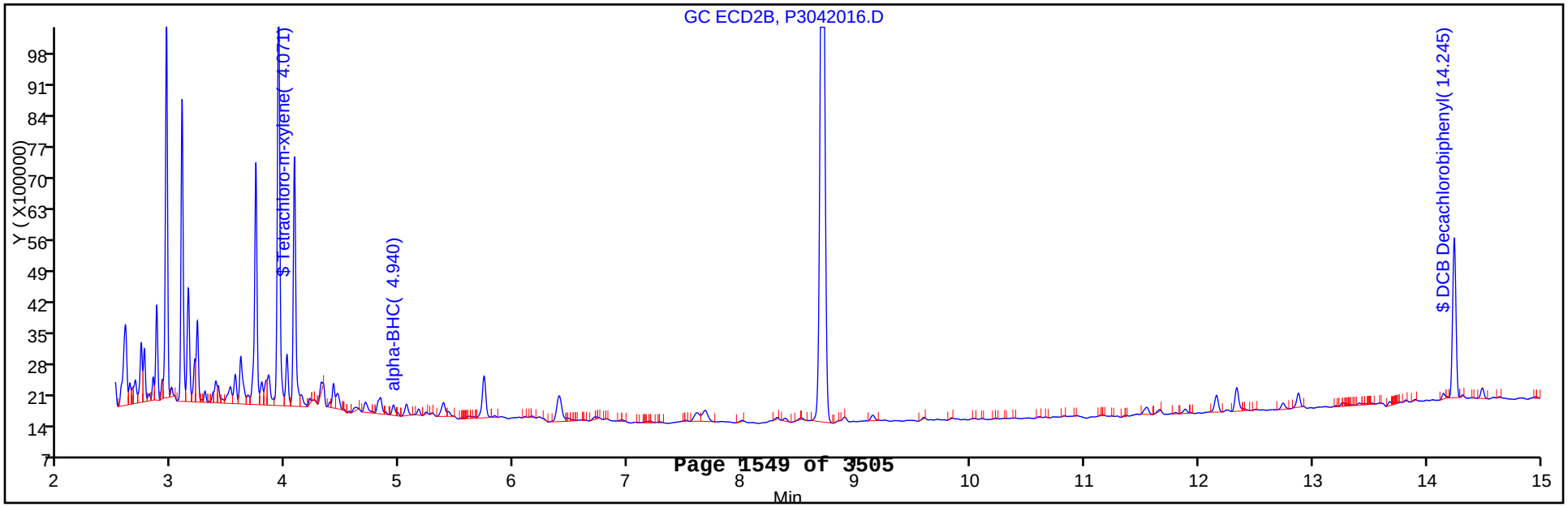
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042016.D

Injection Date:	20-Apr-2013 18:04:08	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0014M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	16
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0014M-0001-SO Lab Sample ID: 240-22663-4

Matrix: Solid Lab File ID: P3042016.D

Analysis Method: 8081/DOD Date Collected: 04/01/2013 10:12

Extraction Method: 3540C Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.09(g) Date Analyzed: 04/20/2013 18:04

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	76		55-130
877-09-8	Tetrachloro-m-xylene	72		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042016.D		
Lims ID:	240-22663-G-4-B	Client ID:	079SB-0014M-0001-SO
Inject. Date:	20-Apr-2013 18:04:08	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019105-016		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	82857	Lims Sample ID:	16
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m		
Last Update:	22-Apr-2013 10:31:04	Calib Date:	16-Apr-2013 14:58:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.475	3.475	0.000	21762307	0.0198			
2	100	4.071	4.071	0.000	8741115	0.0145			
						RPD = 30.99			
5 alpha-BHC									
1	100	4.174	4.164	0.010	2104177	0.001296			
2	100	4.940	4.924	0.016	424831	0.000552			
						RPD = 80.55			
20 gamma-BHC (Lindane)									
1	100		4.542						
2	100		5.506						
7 beta-BHC									
1	100		4.675						
2	100		5.692						
11 delta-BHC									
1	100		4.888						
2	100		6.274						
22 Heptachlor									1
1	100		5.170						
2	100		6.336						
4 Aldrin									
1	100		5.618						
2	100		7.082						
23 Heptachlor epoxide									
1	100		6.838						
2	100		8.582						
21 gamma-Chlordane									1
1	100		7.138						
2	100		8.986						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.486						
2	100		9.296						
14 Endosulfan I									1
1	100		7.763						
2	100		9.361						
2 4,4'-DDE									
1	100		7.866						
2	100		9.743						
13 Dieldrin									
1	100		8.326						
2	100		9.891						
17 Endrin									1
1	100		8.787						
2	100		10.412						
1 4,4'-DDD									1
1	100		9.153						
2	100		10.754						
15 Endosulfan II									
1	100		9.240						
2	100		10.785						
3 4,4'-DDT									
1	100		9.681						
2	100		11.236						
18 Endrin aldehyde									
1	100		10.045						
2	100		11.353						
30 Toxaphene									1
1	1		10.234						
1	2		10.577						
1	3		10.727						
1	4		11.144						
1	5		11.417						
2	100		10.338						
2	2		10.933						
2	3		11.356						
2	4		12.099						
2	5		12.662						
27 Methoxychlor									
1	100		10.641						
2	100		12.321						
16 Endosulfan sulfate									
1	100		10.774						
2	100		11.772						
19 Endrin ketone									
1	100		11.176						
2	100		12.522						
$ 10 DCB Decachlorobiphenyl									
1	100	12.796	12.796	0.000	15280378	0.0159			
2	100	14.245	14.244	0.001	7341899	0.0153			

RPD = 4.10

QC Flag Legend

Processing Flags
1 - Missing Peaks

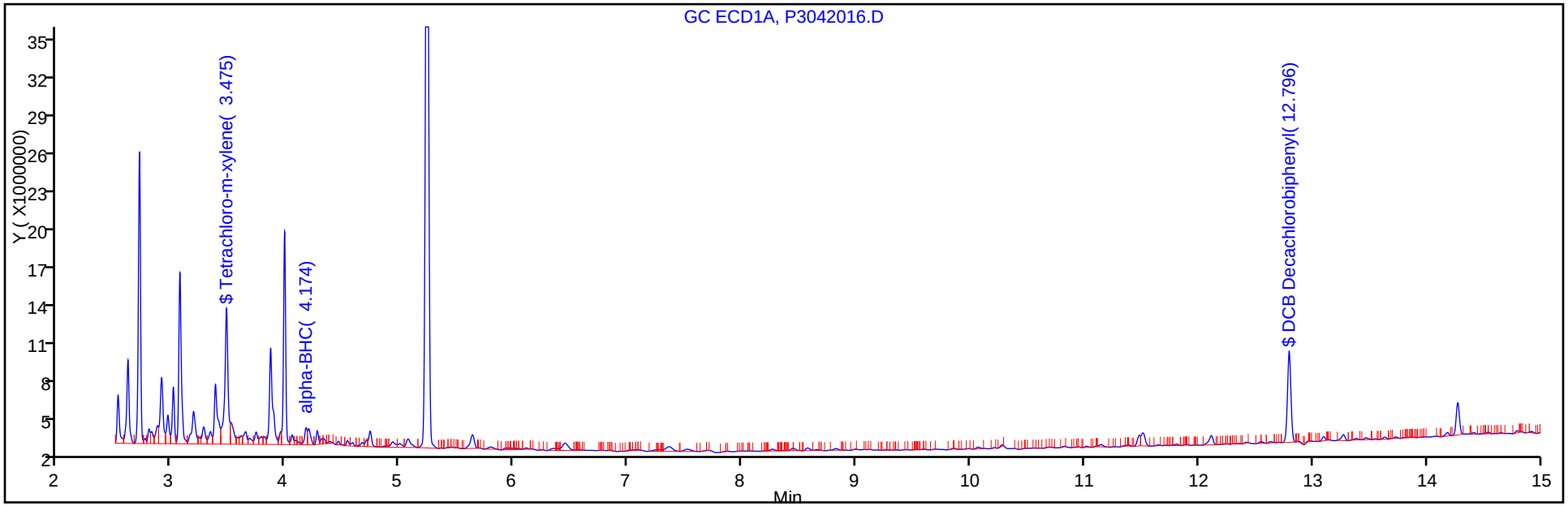
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TestAmerica Canton

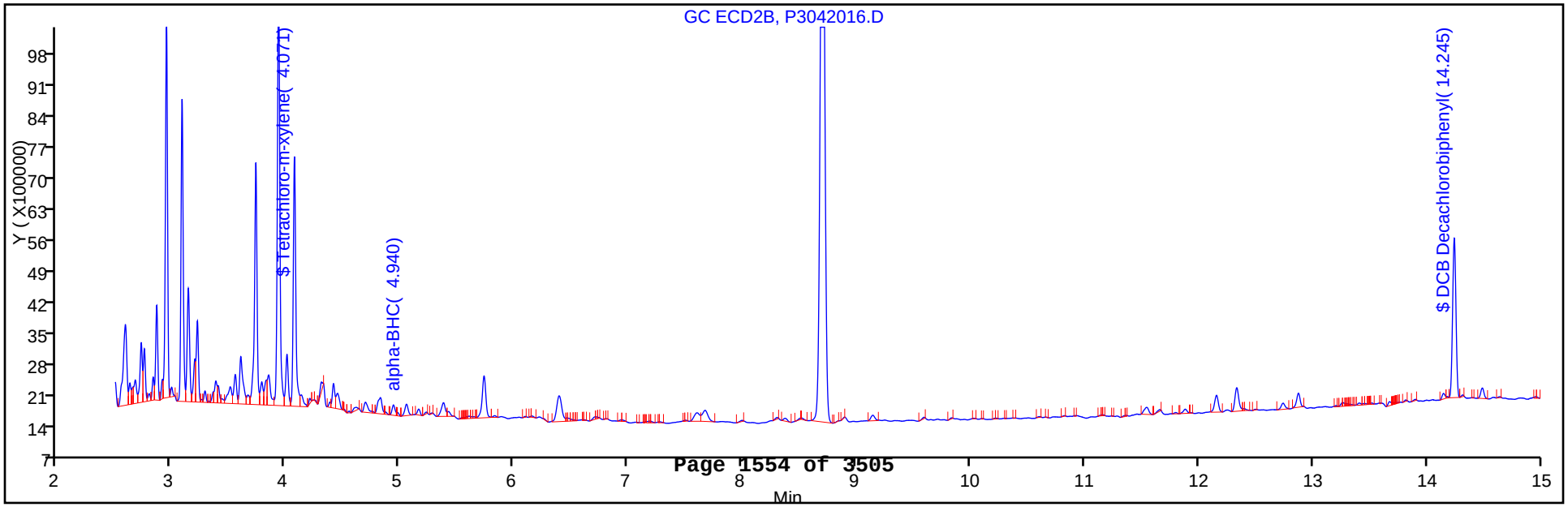
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Injection Date:	20-Apr-2013 18:04:08	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0014M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	16
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0014M-0001-SO RE | Lab Sample ID: 240-22663-4 RE

Matrix: Solid | Lab File ID: P3042428.D

Analysis Method: 8081/DOD | Date Collected: 04/01/2013 10:12

Extraction Method: 3540C | Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.43(g) | Date Analyzed: 04/24/2013 19:13

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.66	U H	2.0	0.66	0.61
72-55-9	4,4'-DDE	0.66	U H	1.7	0.66	0.38
50-29-3	4,4'-DDT	0.66	U H	2.0	0.66	0.62
309-00-2	Aldrin	1.3	U H	3.9	1.3	1.2
319-84-6	alpha-BHC	1.3	U H	2.5	1.3	0.72
5103-71-9	alpha-Chlordane	1.3	U H	3.0	1.3	0.93
319-85-7	beta-BHC	1.3	U H	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U H	3.9	1.3	1.2
60-57-1	Dieldrin	0.66	U H	1.7	0.66	0.46
959-98-8	Endosulfan I	0.66	U H	1.7	0.66	0.51
33213-65-9	Endosulfan II	1.3	U H	2.5	1.3	0.81
1031-07-8	Endosulfan sulfate	1.3	U H	3.0	1.3	0.86
72-20-8	Endrin	0.66	U H	1.7	0.66	0.49
7421-93-4	Endrin aldehyde	1.3	U H	3.0	1.3	0.99
53494-70-5	Endrin ketone	0.66	U H	2.0	0.66	0.62
58-89-9	gamma-BHC (Lindane)	1.3	U H	2.5	1.3	0.73
5103-74-2	gamma-Chlordane	0.66	U H	1.7	0.66	0.41
76-44-8	Heptachlor	1.3	U H	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U H	2.5	1.3	0.79
72-43-5	Methoxychlor	3.3	U H	4.9	3.3	1.5
8001-35-2	Toxaphene	20	U H	66	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	92		55-130
877-09-8	Tetrachloro-m-xylene	109		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042428.D
Lims ID: 240-22663-G-4-F Client ID: 079SB-0014M-0001-SO
Inject. Date: 24-Apr-2013 19:13:18 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019209-028
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 28
Lims Batch ID: 83400 Lims Sample ID: 28
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
Last Update: 25-Apr-2013 07:51:26 Calib Date: 23-Apr-2013 17:41:50
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.473	3.471	0.002	19210501	0.0218			
2	100	4.067	4.064	0.003	11285512	0.0235			
						RPD = 7.66			
5 alpha-BHC									
1	100		4.159						
2	100		4.915						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									1
1	100		7.121						
2	100		8.970						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
13 Dieldrin									1
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
1 4,4'-DDD									
1	100		9.139						
2	100		10.736						
15 Endosulfan II									
1	100		9.225						
2	100		10.766						
3 4,4'-DDT									
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.333						
30 Toxaphene									1
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100	10.660	10.630	0.030	213500	0.000604			
2	100	12.313	12.299	0.014	1519399	0.009853			
						RPD = 176.91			
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						
19 Endrin ketone									
1	100		11.165						
2	100		12.501						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.786	12.787	-0.001	15160991	0.0183			
2	100	14.216	14.217	-0.001	7764576	0.0180			
						RPD = 1.94			

QC Flag Legend

Processing Flags
1 - Missing Peaks

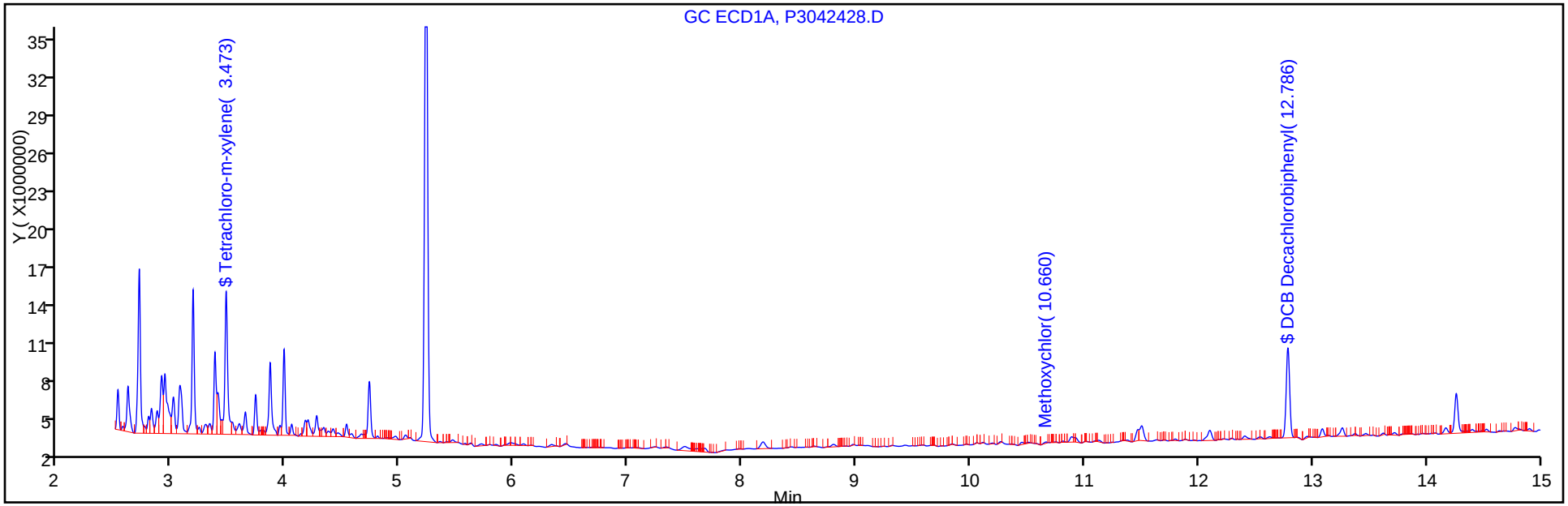
Report Date: 25-Apr-2013 07:51:33 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

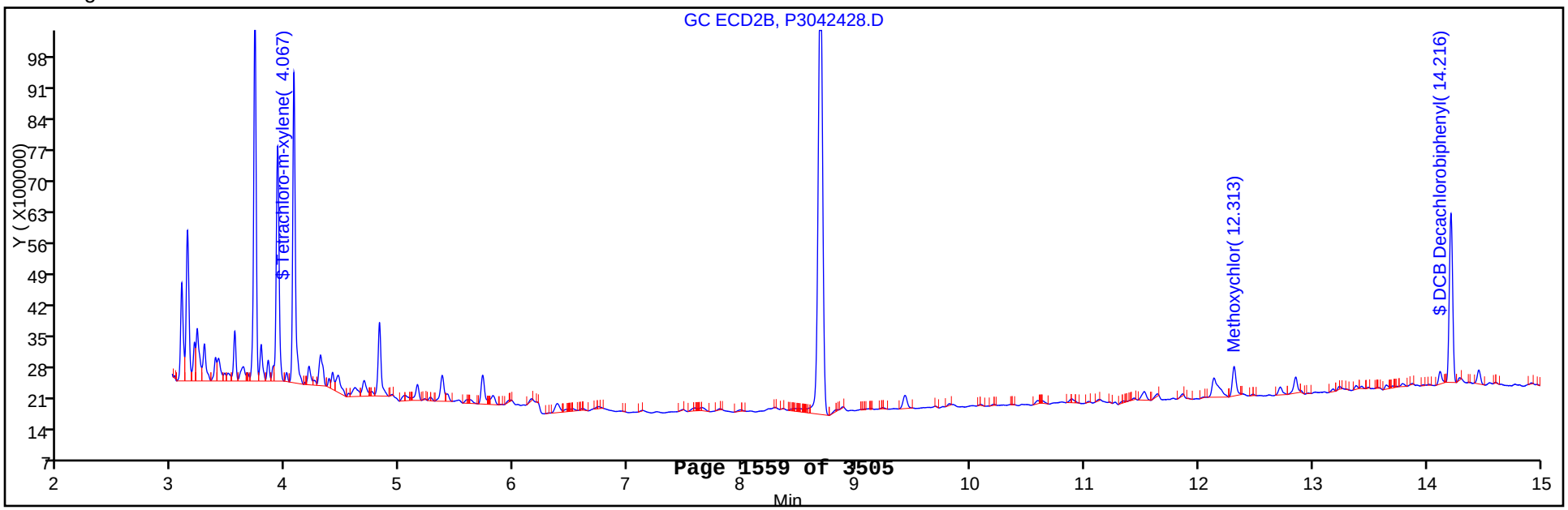
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042428.D

Injection Date:	24-Apr-2013 19:13:18	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0014M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	28
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0014M-0001-SO RE Lab Sample ID: 240-22663-4 RE

Matrix: Solid Lab File ID: P3042428.D

Analysis Method: 8081/DOD Date Collected: 04/01/2013 10:12

Extraction Method: 3540C Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.43(g) Date Analyzed: 04/24/2013 19:13

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	90		55-130
877-09-8	Tetrachloro-m-xylene	118		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042428.D		
Lims ID:	240-22663-G-4-F	Client ID:	079SB-0014M-0001-SO
Inject. Date:	24-Apr-2013 19:13:18	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019209-028		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	83400	Lims Sample ID:	28
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.473	3.471	0.002	19210501	0.0218			
2	100	4.067	4.064	0.003	11285512	0.0235			
						RPD = 7.66			
5 alpha-BHC									
1	100		4.159						
2	100		4.915						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									1
1	100		7.121						
2	100		8.970						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
13 Dieldrin									1
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
1 4,4'-DDD									
1	100		9.139						
2	100		10.736						
15 Endosulfan II									
1	100		9.225						
2	100		10.766						
3 4,4'-DDT									
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.333						
30 Toxaphene									1
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100	10.660	10.630	0.030	213500	0.000604			
2	100	12.313	12.299	0.014	1519399	0.009853			
						RPD = 176.91			
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						
19 Endrin ketone									
1	100		11.165						
2	100		12.501						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.786	12.787	-0.001	15160991	0.0183			
2	100	14.216	14.217	-0.001	7764576	0.0180			
						RPD = 1.94			

QC Flag Legend

Processing Flags
1 - Missing Peaks

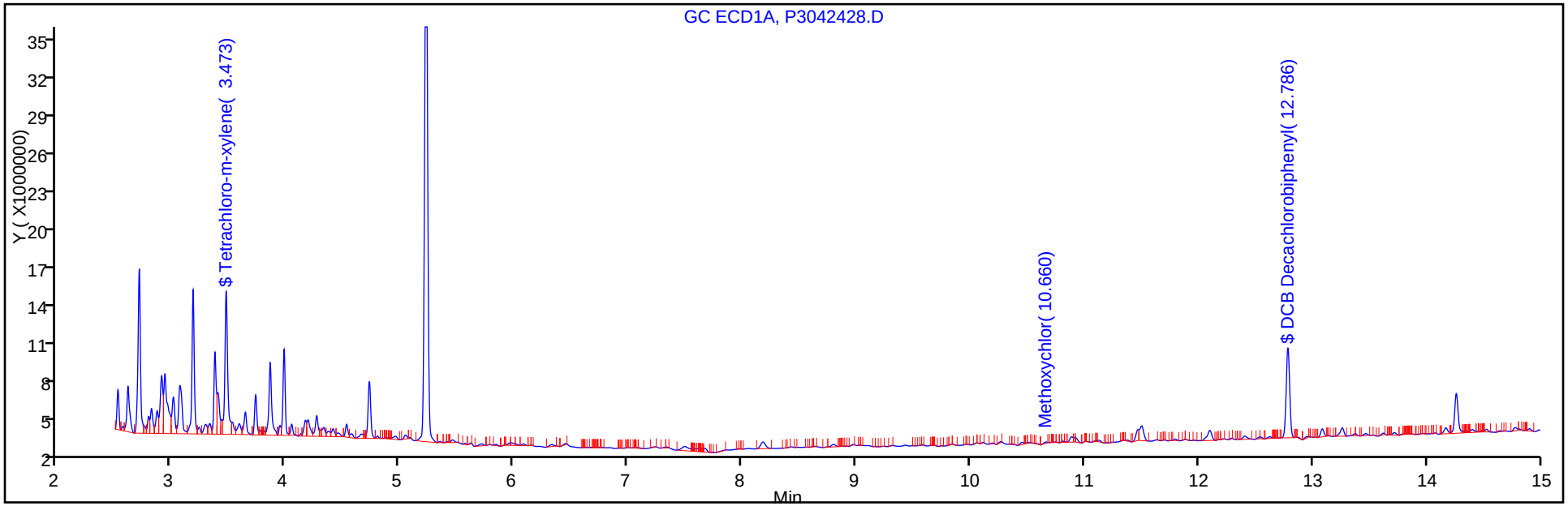
Report Date: 25-Apr-2013 07:51:33 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

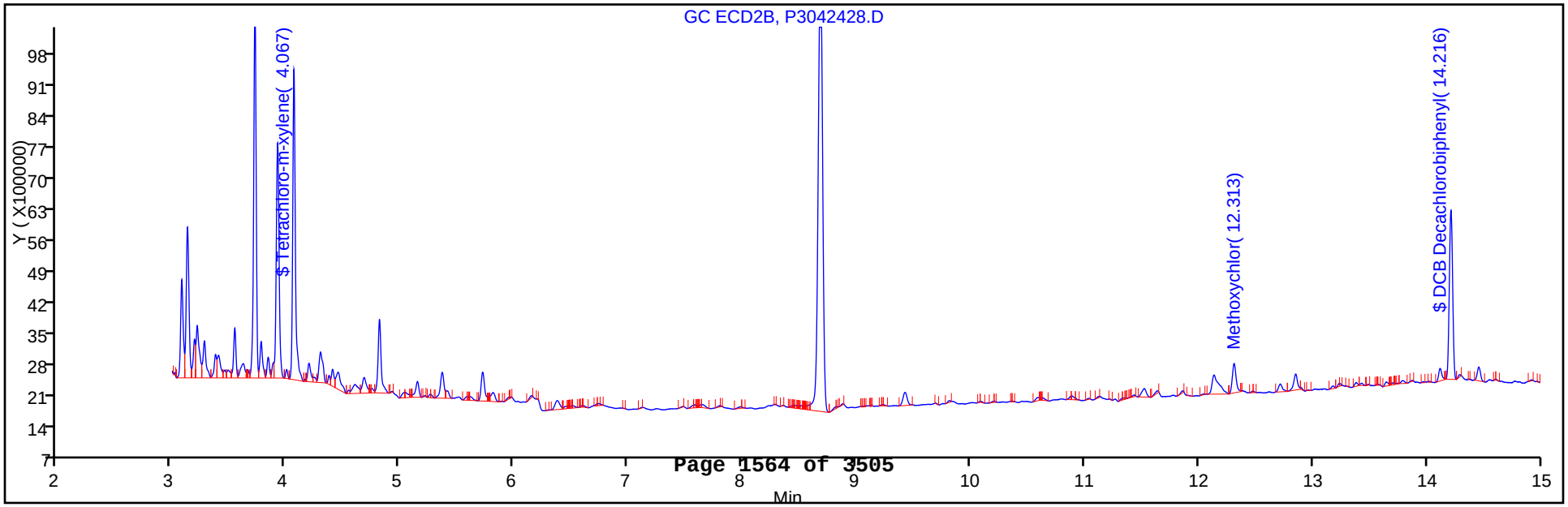
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042428.D

Injection Date:	24-Apr-2013 19:13:18	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0014M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	28
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0017M-0001-SO | Lab Sample ID: 240-22663-7

Matrix: Solid | Lab File ID: P3042017.D

Analysis Method: 8081/DOD | Date Collected: 04/01/2013 09:24

Extraction Method: 3540C | Date Extracted: 04/12/2013 11:07

Sample wt/vol: 29.71(g) | Date Analyzed: 04/20/2013 18:24

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.68*	*U*	*2.0*	0.68	*0.63*
72-55-9	*4,4'-DDE*	*0.68*	*U*	*1.7*	0.68	*0.39*
50-29-3	*4,4'-DDT*	*0.68*	*U*	*2.0*	0.68	*0.64*
309-00-2	*Aldrin*	*1.3*	*U*	*4.0*	1.3	*1.2*
319-84-6	*alpha-BHC*	*1.3*	*U*	*2.5*	1.3	*0.74*
5103-71-9	*alpha-Chlordane*	*1.3*	*U*	*3.0*	1.3	*0.95*
319-85-7	*beta-BHC*	*1.3*	*U*	*3.5*	1.3	*1.1*
319-86-8	*delta-BHC*	*1.3*	*U*	*4.0*	1.3	*1.2*
60-57-1	*Dieldrin*	*0.68*	*U*	*1.7*	0.68	*0.47*
959-98-8	*Endosulfan I*	*0.68*	*U*	*1.7*	0.68	*0.53*
33213-65-9	*Endosulfan II*	*1.3*	*U*	*2.5*	1.3	*0.83*
1031-07-8	*Endosulfan sulfate*	*1.3*	*U*	*3.0*	1.3	*0.88*
72-20-8	*Endrin*	*0.68*	*U*	*1.7*	0.68	*0.50*
7421-93-4	*Endrin aldehyde*	*1.3*	*U*	*3.0*	1.3	*1.0*
53494-70-5	*Endrin ketone*	*0.68*	*U*	*2.0*	0.68	*0.64*
58-89-9	*gamma-BHC (Lindane)*	*1.3*	*U*	*2.5*	1.3	*0.75*
5103-74-2	*gamma-Chlordane*	*0.68*	*U*	*1.7*	0.68	*0.42*
76-44-8	*Heptachlor*	*1.3*	*U*	*3.5*	1.3	*1.1*
1024-57-3	*Heptachlor epoxide*	*1.3*	*U*	*2.5*	1.3	*0.81*
72-43-5	*Methoxychlor*	*3.3*	*U*	*5.0*	3.3	*1.5*
8001-35-2	*Toxaphene*	*20*	*U*	*68*	20	*19*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	71		55-130
877-09-8	Tetrachloro-m-xylene	87		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042017.D		
Lims ID:	240-22663-G-7-B	Client ID:	079SB-0017M-0001-SO
Inject. Date:	20-Apr-2013 18:24:18	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019105-017		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	82857	Lims Sample ID:	17
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m		
Last Update:	22-Apr-2013 10:31:04	Calib Date:	16-Apr-2013 14:58:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.476	3.475	0.001	19116810	0.0174			
2	100	4.070	4.071	-0.001	8198938	0.0136			
						RPD = 24.56			
5 alpha-BHC									
1	100		4.164						
2	100		4.924						
20 gamma-BHC (Lindane)									
1	100		4.542						
2	100		5.506						
7 beta-BHC									
1	100		4.675						
2	100		5.692						
11 delta-BHC									
1	100		4.888						
2	100		6.274						
22 Heptachlor									
1	100		5.170						
2	100		6.336						
4 Aldrin									
1	100		5.618						
2	100		7.082						
23 Heptachlor epoxide									
1	100		6.838						
2	100		8.582						
21 gamma-Chlordane									
1	100		7.138						
2	100		8.986						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.486						
2	100		9.296						
14 Endosulfan I									1
1	100		7.763						
2	100		9.361						
2 4,4'-DDE									
1	100		7.866						
2	100		9.743						
13 Dieldrin									
1	100		8.326						
2	100		9.891						
17 Endrin									
1	100		8.787						
2	100		10.412						
1 4,4'-DDD									
1	100		9.153						
2	100		10.754						
15 Endosulfan II									
1	100		9.240						
2	100		10.785						
3 4,4'-DDT									
1	100		9.681						
2	100		11.236						
18 Endrin aldehyde									
1	100		10.045						
2	100		11.353						
30 Toxaphene									
1	1		10.234						
1	2		10.577						
1	3		10.727						
1	4		11.144						
1	5		11.417						
2	100		10.338						
2	2		10.933						
2	3		11.356						
2	4		12.099						
2	5		12.662						
27 Methoxychlor									
1	100		10.641						
2	100		12.321						
16 Endosulfan sulfate									
1	100		10.774						
2	100		11.772						
19 Endrin ketone									
1	100		11.176						
2	100		12.522						
$ 10 DCB Decachlorobiphenyl									
1	100	12.795	12.796	-0.001	13692029	0.0143			
2	100	14.244	14.244	0.000	6820197	0.0142			

RPD = 0.50

QC Flag Legend

Processing Flags
1 - Missing Peaks

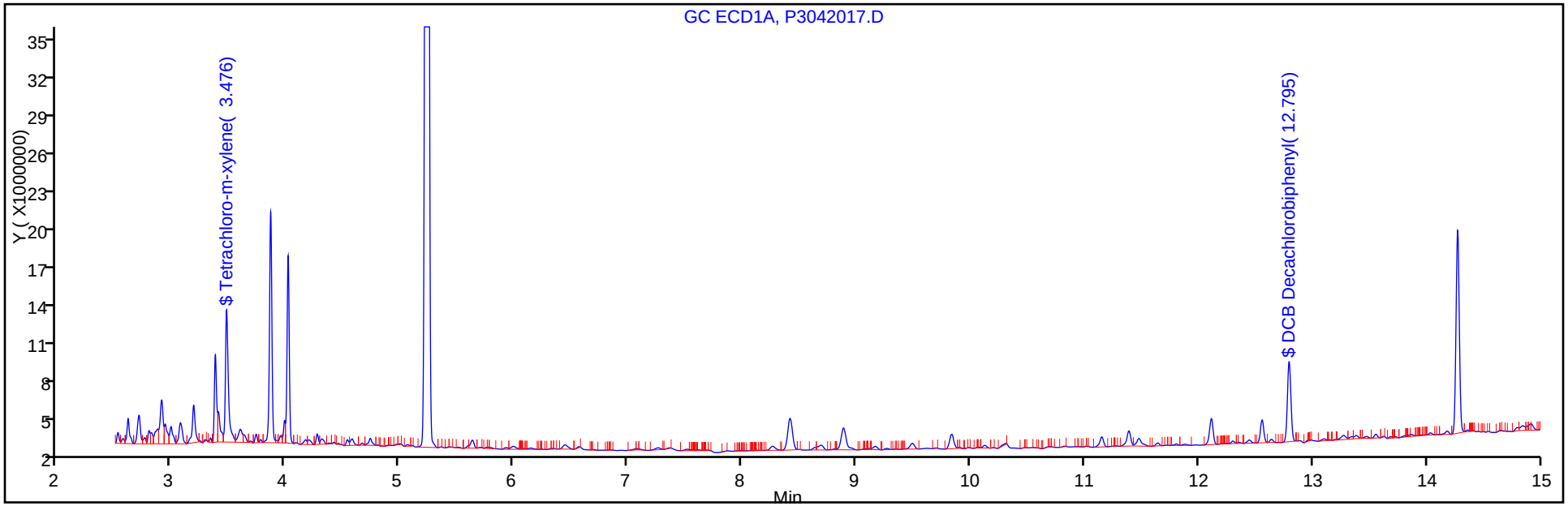
Report Date: 22-Apr-2013 10:31:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

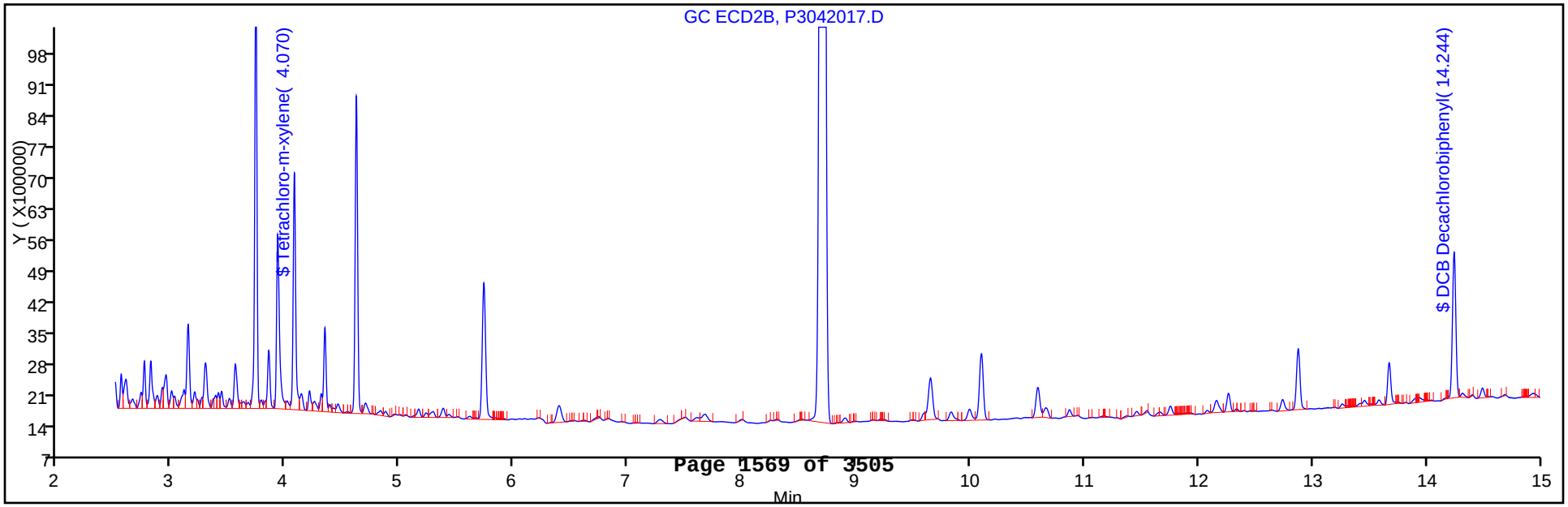
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Injection Date:	20-Apr-2013 18:24:18	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0017M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	17
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0017M-0001-SO Lab Sample ID: 240-22663-7

Matrix: Solid Lab File ID: P3042017.D

Analysis Method: 8081/DOD Date Collected: 04/01/2013 09:24

Extraction Method: 3540C Date Extracted: 04/12/2013 11:07

Sample wt/vol: 29.71(g) Date Analyzed: 04/20/2013 18:24

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	71		55-130
877-09-8	Tetrachloro-m-xylene	68	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042017.D		
Lims ID:	240-22663-G-7-B	Client ID:	079SB-0017M-0001-SO
Inject. Date:	20-Apr-2013 18:24:18	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019105-017		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	82857	Lims Sample ID:	17
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m		
Last Update:	22-Apr-2013 10:31:04	Calib Date:	16-Apr-2013 14:58:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.476	3.475	0.001	19116810	0.0174			
2	100	4.070	4.071	-0.001	8198938	0.0136			
						RPD = 24.56			
5 alpha-BHC									
1	100		4.164						
2	100		4.924						
20 gamma-BHC (Lindane)									
1	100		4.542						
2	100		5.506						
7 beta-BHC									
1	100		4.675						
2	100		5.692						
11 delta-BHC									
1	100		4.888						
2	100		6.274						
22 Heptachlor									
1	100		5.170						
2	100		6.336						
4 Aldrin									
1	100		5.618						
2	100		7.082						
23 Heptachlor epoxide									
1	100		6.838						
2	100		8.582						
21 gamma-Chlordane									
1	100		7.138						
2	100		8.986						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.486						
2	100		9.296						
14 Endosulfan I									1
1	100		7.763						
2	100		9.361						
2 4,4'-DDE									
1	100		7.866						
2	100		9.743						
13 Dieldrin									
1	100		8.326						
2	100		9.891						
17 Endrin									
1	100		8.787						
2	100		10.412						
1 4,4'-DDD									
1	100		9.153						
2	100		10.754						
15 Endosulfan II									
1	100		9.240						
2	100		10.785						
3 4,4'-DDT									
1	100		9.681						
2	100		11.236						
18 Endrin aldehyde									
1	100		10.045						
2	100		11.353						
30 Toxaphene									
1	1		10.234						
1	2		10.577						
1	3		10.727						
1	4		11.144						
1	5		11.417						
2	100		10.338						
2	2		10.933						
2	3		11.356						
2	4		12.099						
2	5		12.662						
27 Methoxychlor									
1	100		10.641						
2	100		12.321						
16 Endosulfan sulfate									
1	100		10.774						
2	100		11.772						
19 Endrin ketone									
1	100		11.176						
2	100		12.522						
$ 10 DCB Decachlorobiphenyl									
1	100	12.795	12.796	-0.001	13692029	0.0143			
2	100	14.244	14.244	0.000	6820197	0.0142			

RPD = 0.50

QC Flag Legend

Processing Flags
1 - Missing Peaks

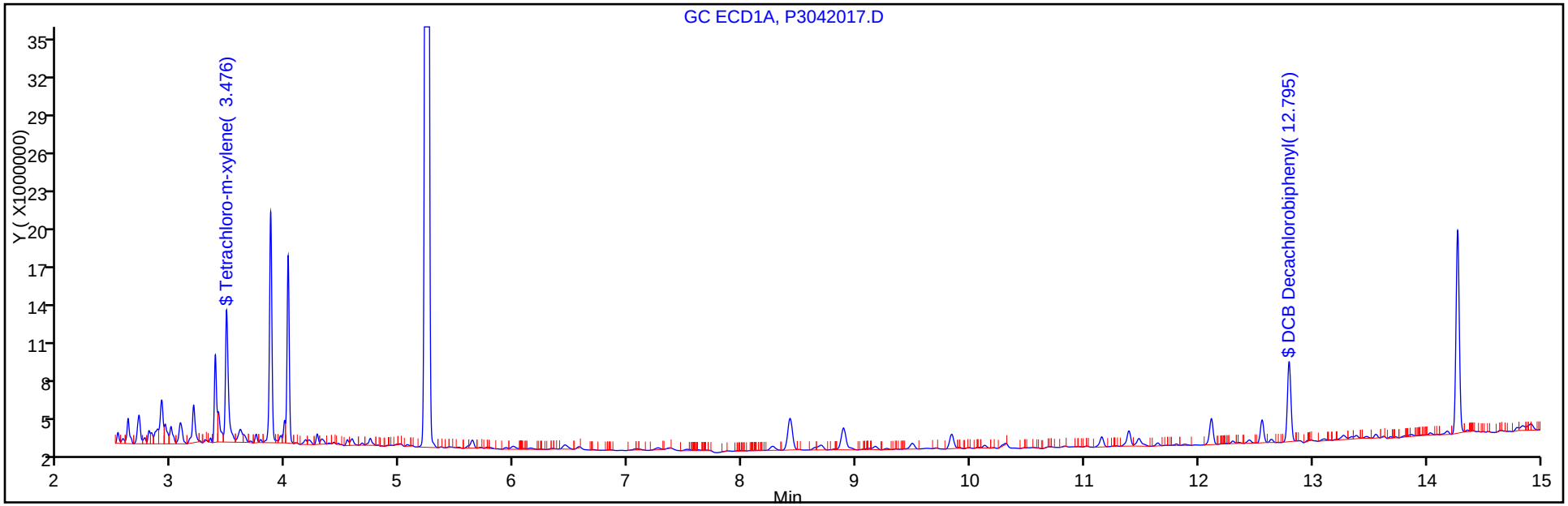
Report Date: 22-Apr-2013 10:31:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

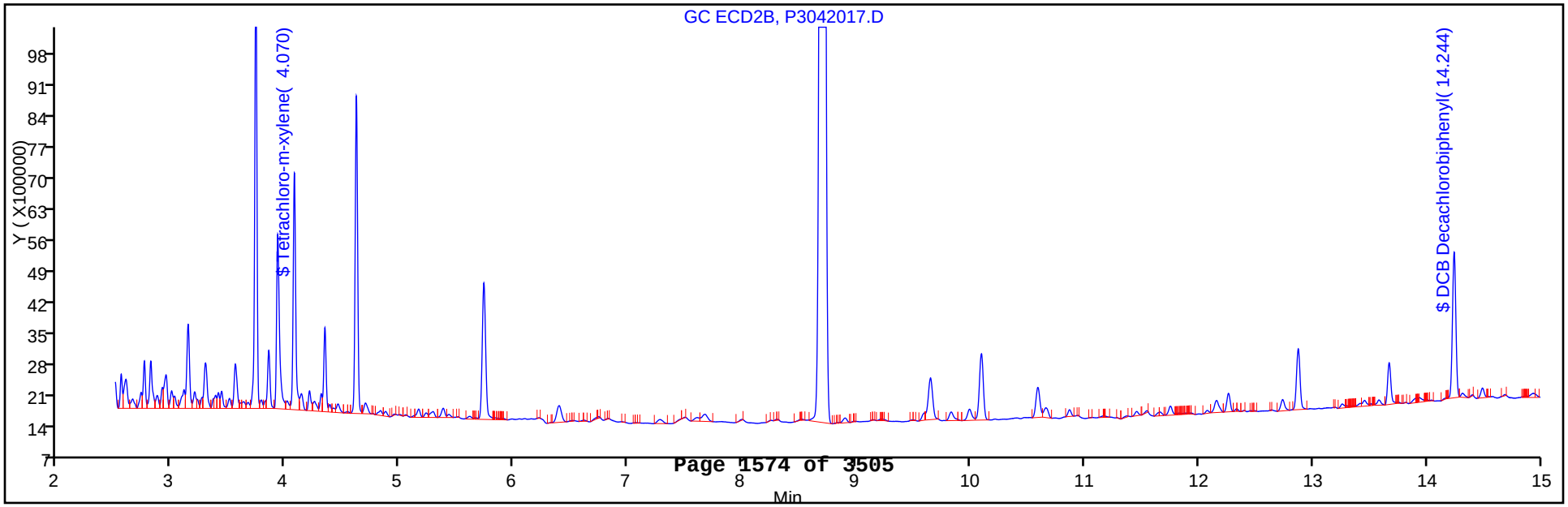
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042017.D

Injection Date:	20-Apr-2013 18:24:18	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0017M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	17
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0017M-0001-SO RE | Lab Sample ID: 240-22663-7 RE

Matrix: Solid | Lab File ID: P3042429.D

Analysis Method: 8081/DOD | Date Collected: 04/01/2013 09:24

Extraction Method: 3540C | Date Extracted: 04/23/2013 08:54

Sample wt/vol: 29.95(g) | Date Analyzed: 04/24/2013 19:33

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.67	U H	2.0	0.67	0.62
72-55-9	4,4'-DDE	0.67	U H	1.7	0.67	0.39
50-29-3	4,4'-DDT	0.67	U H	2.0	0.67	0.63
309-00-2	Aldrin	1.3	U H	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U H	2.5	1.3	0.73
5103-71-9	alpha-Chlordane	1.3	U H	3.0	1.3	0.94
319-85-7	beta-BHC	1.3	U H	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U H	4.0	1.3	1.2
60-57-1	Dieldrin	0.67	U H	1.7	0.67	0.47
959-98-8	Endosulfan I	0.67	U H	1.7	0.67	0.52
33213-65-9	Endosulfan II	1.3	U H	2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	1.3	U H	3.0	1.3	0.87
72-20-8	Endrin	0.67	U H	1.7	0.67	0.50
7421-93-4	Endrin aldehyde	1.3	U H	3.0	1.3	1.0
53494-70-5	Endrin ketone	0.67	U H	2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	1.3	U H	2.5	1.3	0.74
5103-74-2	gamma-Chlordane	0.67	U H	1.7	0.67	0.42
76-44-8	Heptachlor	1.3	U H	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U H	2.5	1.3	0.80
72-43-5	Methoxychlor	3.3	U H	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U H	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		55-130
877-09-8	Tetrachloro-m-xylene	91		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042429.D		
Lims ID:	240-22663-G-7-F	Client ID:	079SB-0017M-0001-SO
Inject. Date:	24-Apr-2013 19:33:32	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019209-029		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	83400	Lims Sample ID:	29
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		
First Level Reviewer: shockr		Date:	25-Apr-2013 07:15:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.473	3.471	0.002	16102671	0.0183			
2	100	4.067	4.064	0.003	9739659	0.0203			
						RPD = 10.57			
5 alpha-BHC									
1	100		4.159						
2	100		4.915						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									1
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
13 Dieldrin									
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
1 4,4'-DDD									
1	100		9.139						
2	100		10.736						
15 Endosulfan II									
1	100		9.225						
2	100		10.766						
3 4,4'-DDT									
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.333						
30 Toxaphene									
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100		10.630						
2	100		12.299						
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						
19 Endrin ketone									
1	100		11.165						
2	100		12.501						
$ 10 DCB Decachlorobiphenyl									
1	100	12.785	12.787	-0.002	14663567	0.0177			
2	100	14.216	14.217	-0.001	7608649	0.0176			

RPD = 0.64

QC Flag Legend

Processing Flags
1 - Missing Peaks

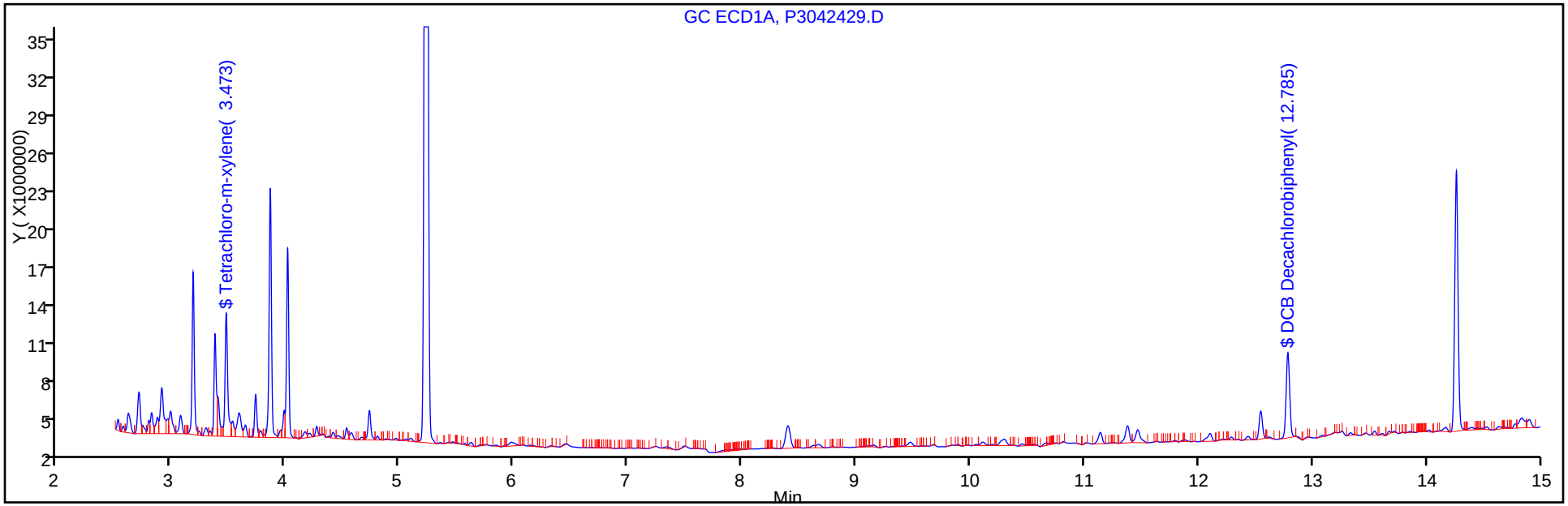
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TestAmerica Canton

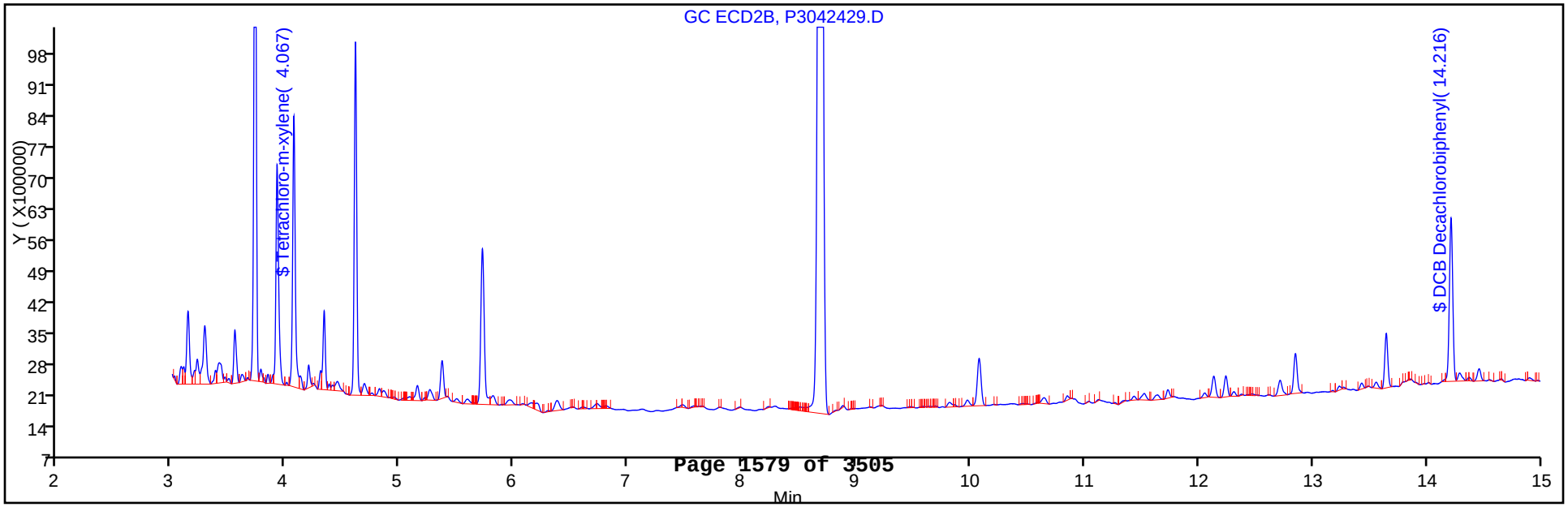
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Injection Date:	24-Apr-2013 19:33:32	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0017M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	29
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0017M-0001-SO RE Lab Sample ID: 240-22663-7 RE

Matrix: Solid Lab File ID: P3042429.D

Analysis Method: 8081/DOD Date Collected: 04/01/2013 09:24

Extraction Method: 3540C Date Extracted: 04/23/2013 08:54

Sample wt/vol: 29.95(g) Date Analyzed: 04/24/2013 19:33

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	88		55-130
877-09-8	Tetrachloro-m-xylene	101		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042429.D		
Lims ID:	240-22663-G-7-F	Client ID:	079SB-0017M-0001-SO
Inject. Date:	24-Apr-2013 19:33:32	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019209-029		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	83400	Lims Sample ID:	29
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		
First Level Reviewer: shockr		Date:	25-Apr-2013 07:15:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.473	3.471	0.002	16102671	0.0183			
2	100	4.067	4.064	0.003	9739659	0.0203			
						RPD = 10.57			
5 alpha-BHC									
1	100		4.159						
2	100		4.915						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									1
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
13 Dieldrin									
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
1 4,4'-DDD									
1	100		9.139						
2	100		10.736						
15 Endosulfan II									
1	100		9.225						
2	100		10.766						
3 4,4'-DDT									
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.333						
30 Toxaphene									
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100		10.630						
2	100		12.299						
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						
19 Endrin ketone									
1	100		11.165						
2	100		12.501						
$ 10 DCB Decachlorobiphenyl									
1	100	12.785	12.787	-0.002	14663567	0.0177			
2	100	14.216	14.217	-0.001	7608649	0.0176			

RPD = 0.64

QC Flag Legend

Processing Flags
1 - Missing Peaks

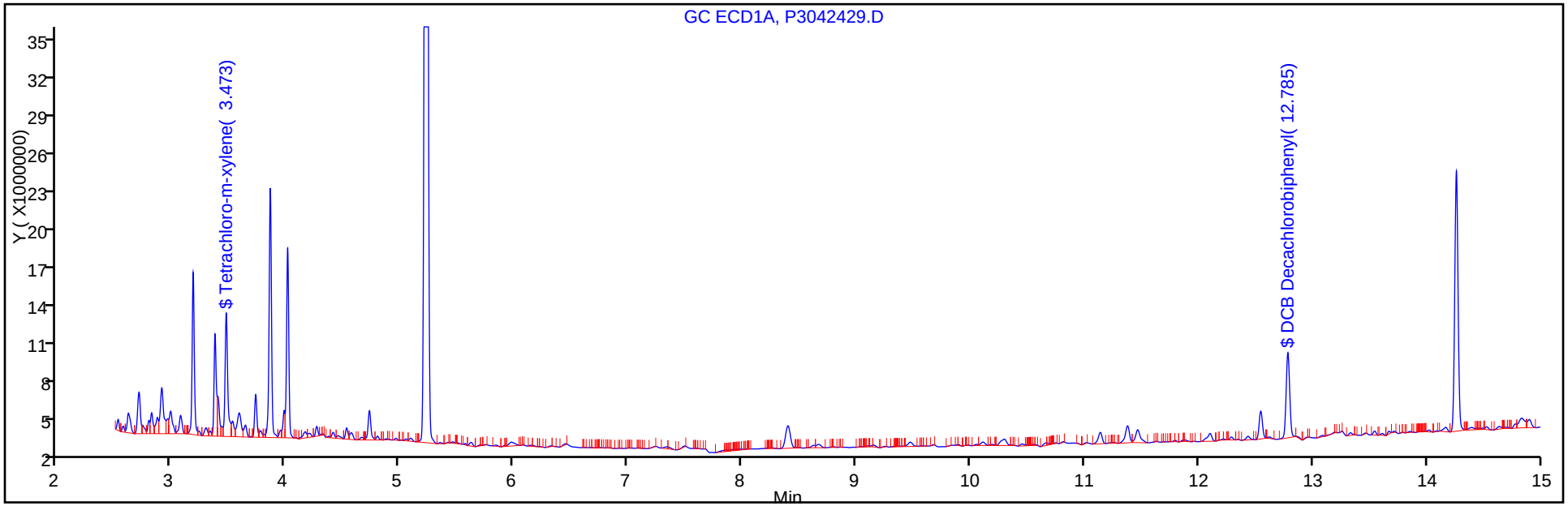
Report Date: 25-Apr-2013 07:51:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

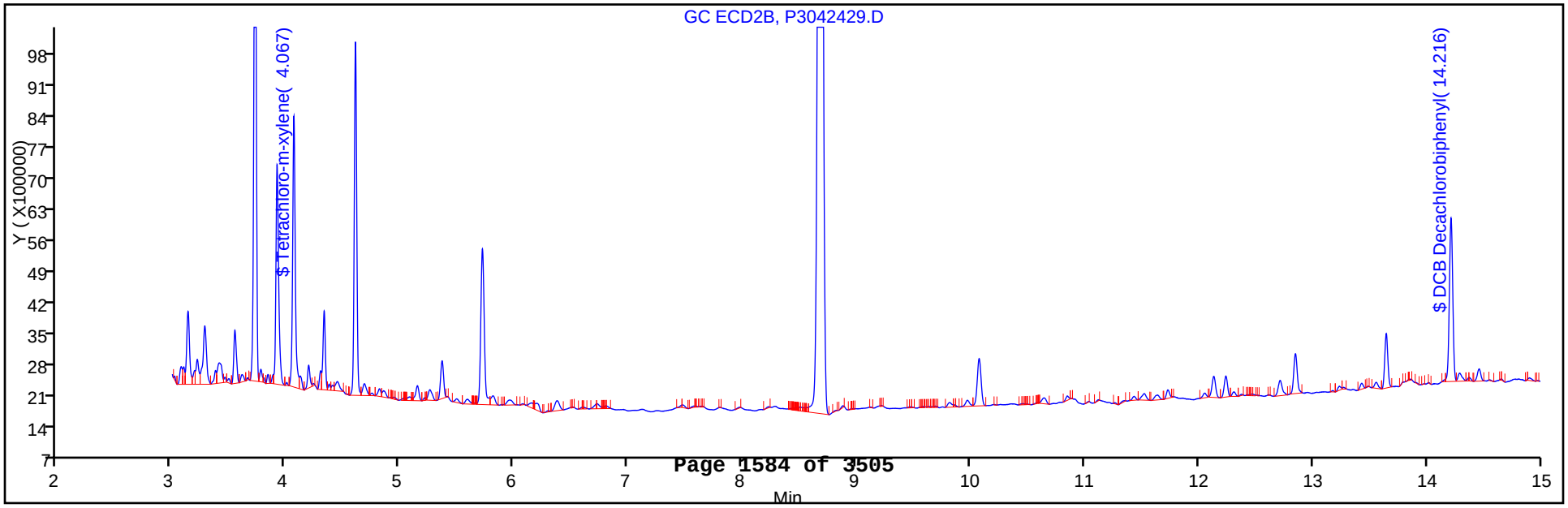
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042429.D

Injection Date:	24-Apr-2013 19:33:32	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0017M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	29
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 070SB-0046M-0001-SB | Lab Sample ID: 240-22663-10

Matrix: Solid | Lab File ID: P3042018.D

Analysis Method: 8081/DOD | Date Collected: 04/01/2013 15:00

Extraction Method: 3540C | Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.14(g) | Date Analyzed: 04/20/2013 18:44

Con. Extract Vol.: 10(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*6.7*	*U*	*20*	6.7	*6.2*
72-55-9	*4,4'-DDE*	*6.7*	*U*	*17*	6.7	*3.9*
50-29-3	*4,4'-DDT*	*6.7*	*U*	*20*	6.7	*6.3*
309-00-2	*Aldrin*	*13*	*U*	*40*	13	*12*
319-84-6	*alpha-BHC*	*13*	*U*	*25*	13	*7.3*
5103-71-9	*alpha-Chlordane*	*13*	*U*	*30*	13	*9.4*
319-85-7	*beta-BHC*	*13*	*U*	*35*	13	*11*
319-86-8	*delta-BHC*	*13*	*U*	*40*	13	*12*
60-57-1	*Dieldrin*	*6.7*	*U*	*17*	6.7	*4.7*
959-98-8	*Endosulfan I*	*6.7*	*U*	*17*	6.7	*5.2*
33213-65-9	*Endosulfan II*	*13*	*U*	*25*	13	*8.2*
1031-07-8	*Endosulfan sulfate*	*13*	*U*	*30*	13	*8.7*
72-20-8	*Endrin*	*6.7*	*U*	*17*	6.7	*5.0*
7421-93-4	*Endrin aldehyde*	*13*	*U*	*30*	13	*10*
53494-70-5	*Endrin ketone*	*6.7*	*U*	*20*	6.7	*6.3*
58-89-9	*gamma-BHC (Lindane)*	*13*	*U*	*25*	13	*7.4*
5103-74-2	*gamma-Chlordane*	*6.7*	*U*	*17*	6.7	*4.2*
76-44-8	*Heptachlor*	*13*	*U*	*35*	13	*11*
1024-57-3	*Heptachlor epoxide*	*13*	*U*	*25*	13	*8.0*
72-43-5	*Methoxychlor*	*33*	*U*	*50*	33	*15*
8001-35-2	*Toxaphene*	*200*	*U*	*670*	200	*190*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	92		55-130
877-09-8	Tetrachloro-m-xylene	87		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042018.D
Lims ID: 240-22663-B-10-B
Client ID: 070SB-0046M-0001-SB
Inject. Date: 20-Apr-2013 18:44:24
Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0019105-018
Misc. Info.:
Operator: 402582
Instrument ID: A2HP3
Injection Vol: 1.0 ul
ALS Bottle#: 18
Lims Batch ID: 82857
Lims Sample ID: 18
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:31:04
Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK028

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.475	3.475	0.000	1922778	0.001748			
2	100	4.071	4.071	0.000	1071377	0.001774			
						RPD = 1.49			
5 alpha-BHC									
1	100		4.164						
2	100		4.924						
20 gamma-BHC (Lindane)									
1	100		4.542						
2	100		5.506						
7 beta-BHC									
1	100		4.675						
2	100		5.692						
11 delta-BHC									
1	100		4.888						
2	100		6.274						
22 Heptachlor									1
1	100		5.170						
2	100		6.336						
4 Aldrin									
1	100		5.618						
2	100		7.082						
23 Heptachlor epoxide									
1	100		6.838						
2	100		8.582						
21 gamma-Chlordane									1
1	100		7.138						
2	100		8.986						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									1
1	100		7.486						
2	100		9.296						
14 Endosulfan I									
1	100		7.763						
2	100		9.361						
2 4,4'-DDE									
1	100		7.866						
2	100		9.743						
13 Dieldrin									1
1	100		8.326						
2	100		9.891						
17 Endrin									
1	100		8.787						
2	100		10.412						
1 4,4'-DDD									
1	100		9.153						
2	100		10.754						
15 Endosulfan II									1
1	100		9.240						
2	100		10.785						
3 4,4'-DDT									
1	100		9.681						
2	100		11.236						
18 Endrin aldehyde									1
1	100		10.045						
2	100		11.353						
30 Toxaphene									1
1	1		10.234						
1	2		10.577						
1	3		10.727						
1	4		11.144						
1	5		11.417						
2	100		10.338						
2	2		10.933						
2	3		11.356						
2	4		12.099						
2	5		12.662						
27 Methoxychlor									
1	100		10.641						
2	100		12.321						
16 Endosulfan sulfate									1
1	100		10.774						
2	100		11.772						
19 Endrin ketone									
1	100		11.176						
2	100		12.522						
$ 10 DCB Decachlorobiphenyl									
1	100	12.794	12.796	-0.002	1768745	0.001842			
2	100	14.244	14.244	0.000	974897	0.002028			

RPD = 9.62

QC Flag Legend

Processing Flags
1 - Missing Peaks

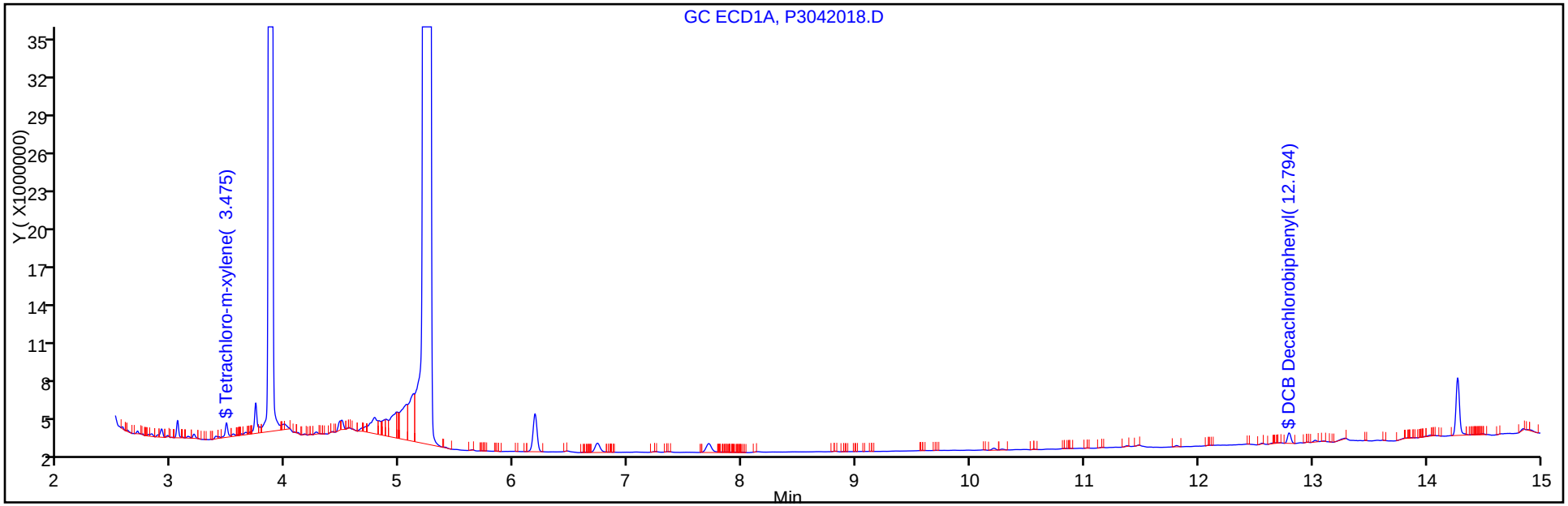
Report Date: 22-Apr-2013 10:31:07 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

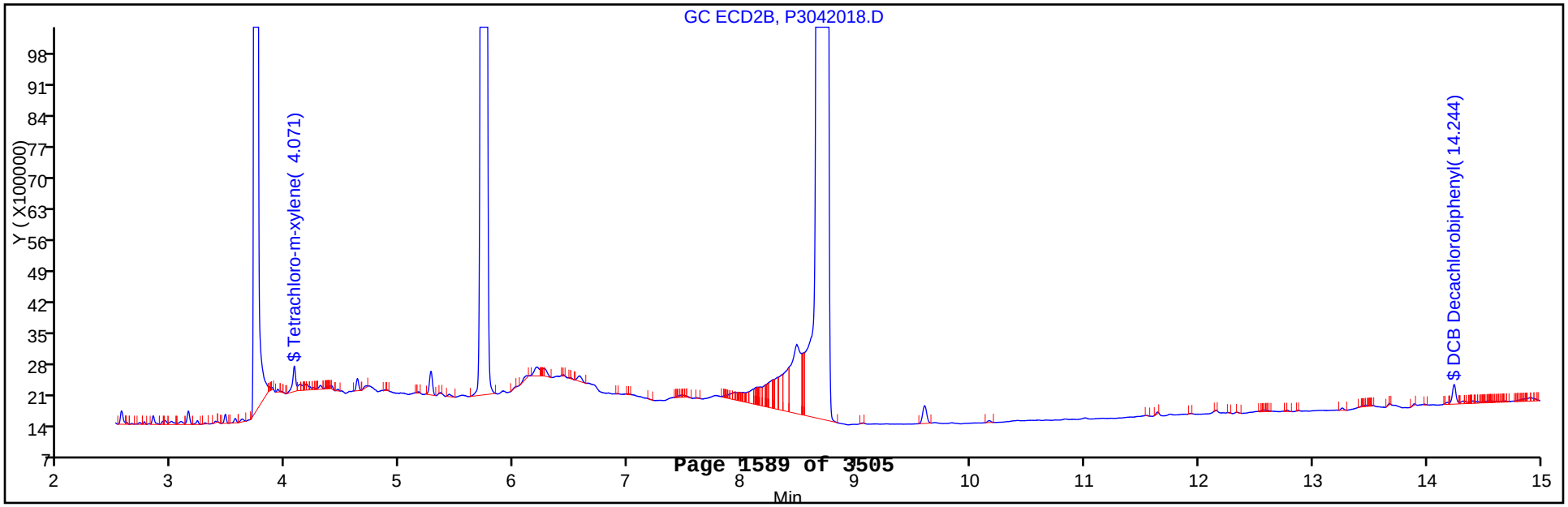
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042018.D

Injection Date:	20-Apr-2013 18:44:24	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0046M-0001-SB	Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	18
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 070SB-0046M-0001-SB Lab Sample ID: 240-22663-10

Matrix: Solid Lab File ID: P3042018.D

Analysis Method: 8081/DOD Date Collected: 04/01/2013 15:00

Extraction Method: 3540C Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.14(g) Date Analyzed: 04/20/2013 18:44

Con. Extract Vol.: 10(mL) Dilution Factor: 10

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		55-130
877-09-8	Tetrachloro-m-xylene	89		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042018.D
Lims ID: 240-22663-B-10-B
Client ID: 070SB-0046M-0001-SB
Inject. Date: 20-Apr-2013 18:44:24
Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0019105-018
Misc. Info.:
Operator: 402582
Instrument ID: A2HP3
Injection Vol: 1.0 ul
ALS Bottle#: 18
Lims Batch ID: 82857
Lims Sample ID: 18
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:31:04
Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK028

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.475	3.475	0.000	1922778	0.001748			
2	100	4.071	4.071	0.000	1071377	0.001774			
						RPD = 1.49			
5 alpha-BHC									
1	100		4.164						
2	100		4.924						
20 gamma-BHC (Lindane)									
1	100		4.542						
2	100		5.506						
7 beta-BHC									
1	100		4.675						
2	100		5.692						
11 delta-BHC									
1	100		4.888						
2	100		6.274						
22 Heptachlor									1
1	100		5.170						
2	100		6.336						
4 Aldrin									
1	100		5.618						
2	100		7.082						
23 Heptachlor epoxide									
1	100		6.838						
2	100		8.582						
21 gamma-Chlordane									1
1	100		7.138						
2	100		8.986						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									1
1	100		7.486						
2	100		9.296						
14 Endosulfan I									
1	100		7.763						
2	100		9.361						
2 4,4'-DDE									
1	100		7.866						
2	100		9.743						
13 Dieldrin									1
1	100		8.326						
2	100		9.891						
17 Endrin									
1	100		8.787						
2	100		10.412						
1 4,4'-DDD									
1	100		9.153						
2	100		10.754						
15 Endosulfan II									1
1	100		9.240						
2	100		10.785						
3 4,4'-DDT									
1	100		9.681						
2	100		11.236						
18 Endrin aldehyde									1
1	100		10.045						
2	100		11.353						
30 Toxaphene									1
1	1		10.234						
1	2		10.577						
1	3		10.727						
1	4		11.144						
1	5		11.417						
2	100		10.338						
2	2		10.933						
2	3		11.356						
2	4		12.099						
2	5		12.662						
27 Methoxychlor									
1	100		10.641						
2	100		12.321						
16 Endosulfan sulfate									1
1	100		10.774						
2	100		11.772						
19 Endrin ketone									
1	100		11.176						
2	100		12.522						
$ 10 DCB Decachlorobiphenyl									
1	100	12.794	12.796	-0.002	1768745	0.001842			
2	100	14.244	14.244	0.000	974897	0.002028			

RPD = 9.62

QC Flag Legend

Processing Flags
1 - Missing Peaks

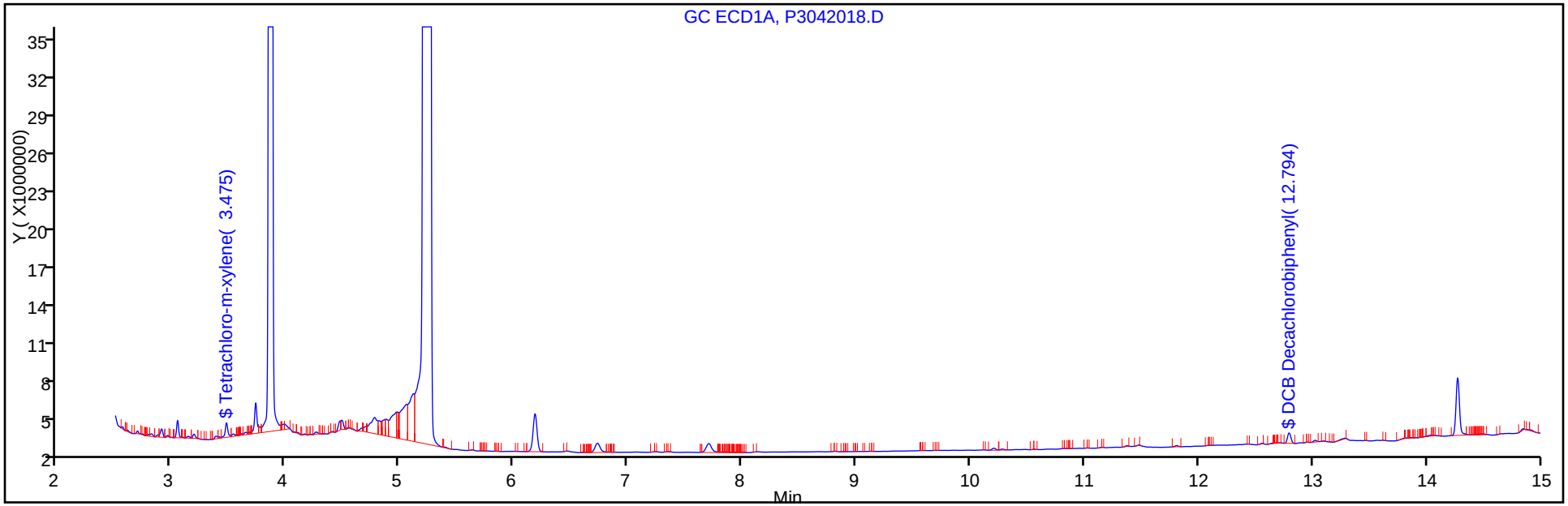
Report Date: 22-Apr-2013 10:31:08 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

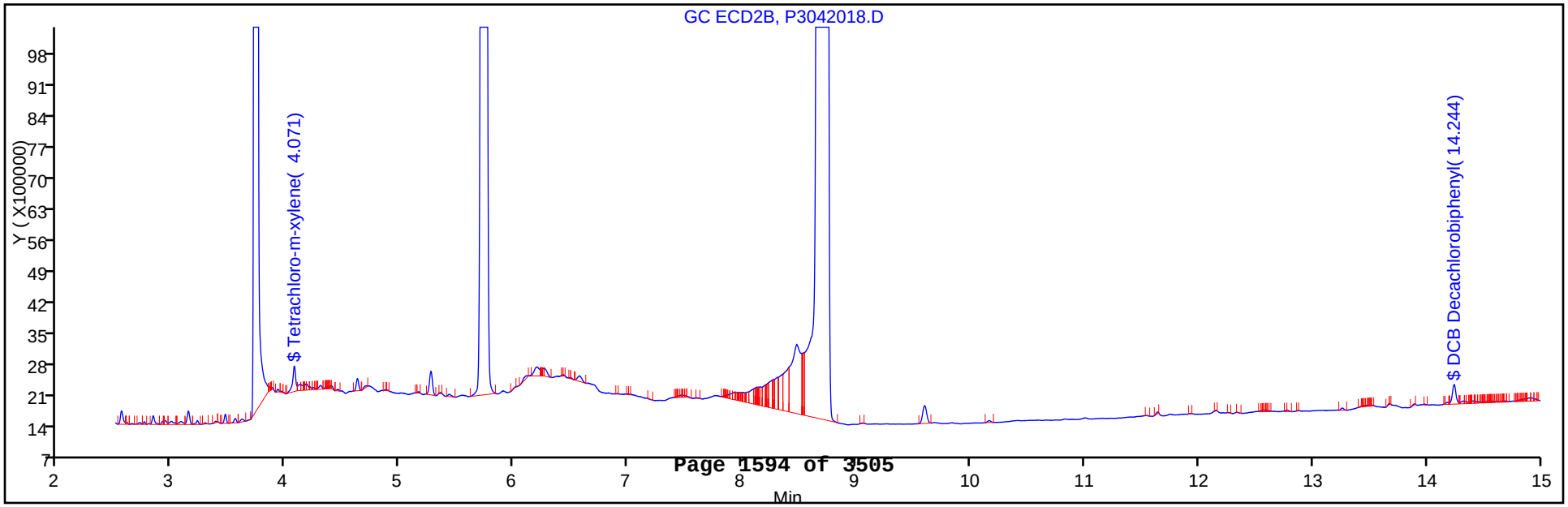
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042018.D

Injection Date:	20-Apr-2013 18:44:24	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0046M-0001-SB	Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	18
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 070SB-0046M-0001-SB RE | Lab Sample ID: 240-22663-10 RE

Matrix: Solid | Lab File ID: P3042430.D

Analysis Method: 8081/DOD | Date Collected: 04/01/2013 15:00

Extraction Method: 3540C | Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.32(g) | Date Analyzed: 04/24/2013 19:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	6.6	U H	20	6.6	6.1
72-55-9	4,4'-DDE	6.6	U H	17	6.6	3.9
50-29-3	4,4'-DDT	6.6	U H	20	6.6	6.2
309-00-2	Aldrin	13	U H	40	13	12
319-84-6	alpha-BHC	13	U H	25	13	7.2
5103-71-9	alpha-Chlordane	13	U H	30	13	9.3
319-85-7	beta-BHC	13	U H	35	13	11
319-86-8	delta-BHC	13	U H	40	13	12
60-57-1	Dieldrin	6.6	U H	17	6.6	4.7
959-98-8	Endosulfan I	6.6	U H	17	6.6	5.1
33213-65-9	Endosulfan II	13	U H	25	13	8.1
1031-07-8	Endosulfan sulfate	13	U H	30	13	8.6
72-20-8	Endrin	6.6	U H	17	6.6	4.9
7421-93-4	Endrin aldehyde	13	U H	30	13	9.9
53494-70-5	Endrin ketone	6.6	U H	20	6.6	6.2
58-89-9	gamma-BHC (Lindane)	13	U H	25	13	7.3
5103-74-2	gamma-Chlordane	6.6	U H	17	6.6	4.2
76-44-8	Heptachlor	13	U H	35	13	11
1024-57-3	Heptachlor epoxide	13	U H	25	13	7.9
72-43-5	Methoxychlor	33	U H	49	33	15
8001-35-2	Toxaphene	200	U H	660	200	190

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	134	Q	55-130
877-09-8	Tetrachloro-m-xylene	112		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042430.D		
Lims ID:	240-22663-B-10-C	Client ID:	070SB-0046M-0001-SB
Inject. Date:	24-Apr-2013 19:53:36	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	240-0019209-030		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	83400	Lims Sample ID:	30
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.470	3.471	-0.001	1980287	0.002244			
2	100	4.065	4.064	0.001	1034407	0.002155			
						RPD = 4.09			
5 alpha-BHC									
1	100		4.159						
2	100		4.915						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									1
1	100		5.609						
2	100		7.064						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									1
1	100		7.470						
2	100		9.280						
14 Endosulfan I									1
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
13 Dieldrin									1
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
1 4,4'-DDD									1
1	100		9.139						
2	100		10.736						
15 Endosulfan II									1
1	100		9.225						
2	100		10.766						
3 4,4'-DDT									
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									1
1	100		10.030						
2	100		11.333						
30 Toxaphene									1
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100		10.630						
2	100		12.299						
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						
19 Endrin ketone									
1	100		11.165						
2	100		12.501						
$ 10 DCB Decachlorobiphenyl									
1	100	12.786	12.787	-0.001	2222722	0.002687			
2	100	14.216	14.217	-0.001	1249367	0.002892			

RPD = 7.36

QC Flag Legend

Processing Flags
1 - Missing Peaks

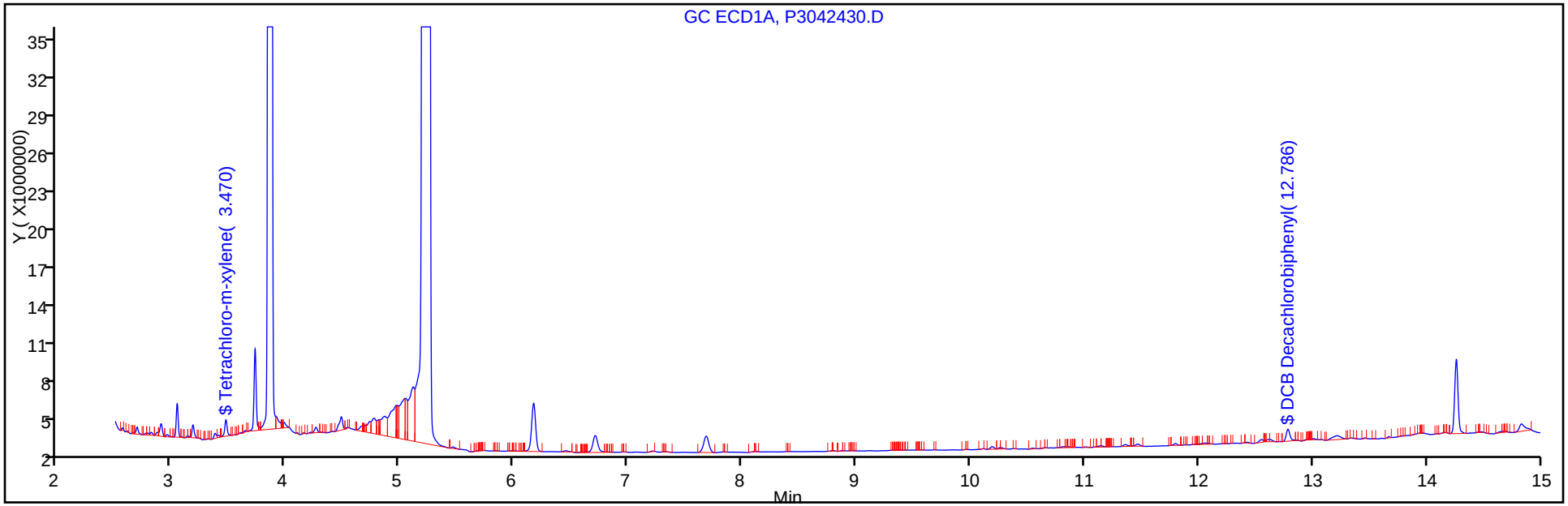
Report Date: 25-Apr-2013 07:51:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

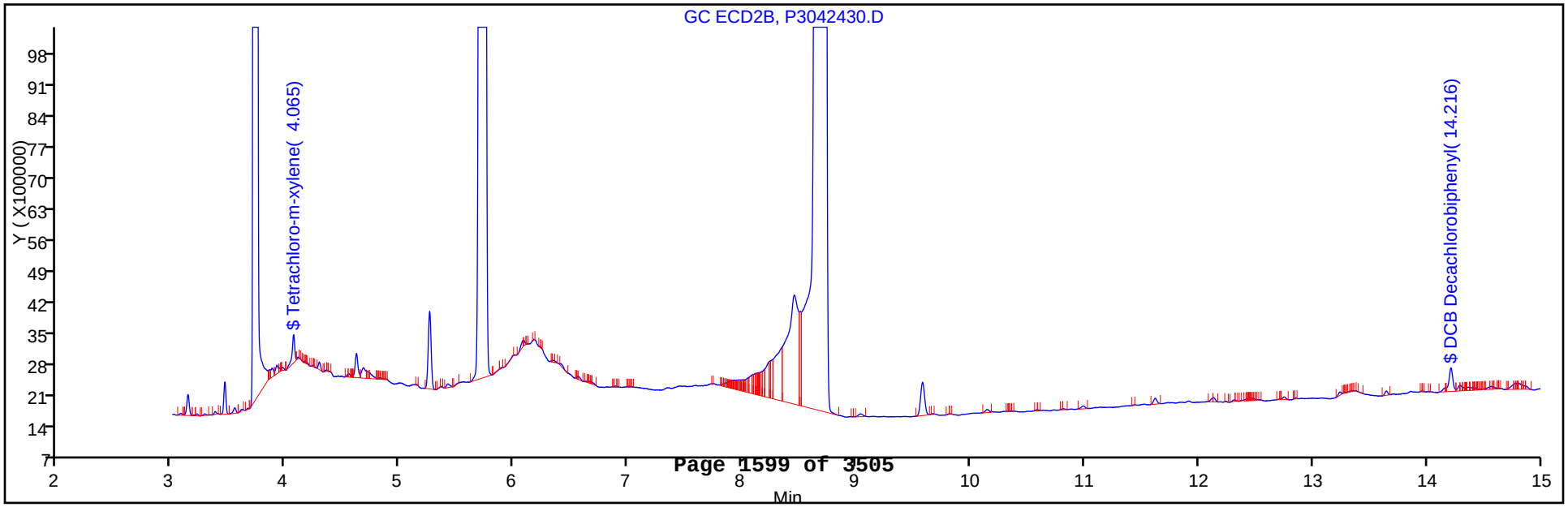
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042430.D

Injection Date:	24-Apr-2013 19:53:36	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0046M-0001-SB	Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	30
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 070SB-0046M-0001-SB RE Lab Sample ID: 240-22663-10 RE

Matrix: Solid Lab File ID: P3042430.D

Analysis Method: 8081/DOD Date Collected: 04/01/2013 15:00

Extraction Method: 3540C Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.32(g) Date Analyzed: 04/24/2013 19:53

Con. Extract Vol.: 10(mL) Dilution Factor: 10

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	145	Q	55-130
877-09-8	Tetrachloro-m-xylene	108		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042430.D		
Lims ID:	240-22663-B-10-C	Client ID:	070SB-0046M-0001-SB
Inject. Date:	24-Apr-2013 19:53:36	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	240-0019209-030		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	83400	Lims Sample ID:	30
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.470	3.471	-0.001	1980287	0.002244			
2	100	4.065	4.064	0.001	1034407	0.002155			
						RPD = 4.09			
5 alpha-BHC									
1	100		4.159						
2	100		4.915						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									1
1	100		5.609						
2	100		7.064						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									1
1	100		7.470						
2	100		9.280						
14 Endosulfan I									1
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
13 Dieldrin									1
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
1 4,4'-DDD									1
1	100		9.139						
2	100		10.736						
15 Endosulfan II									1
1	100		9.225						
2	100		10.766						
3 4,4'-DDT									
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									1
1	100		10.030						
2	100		11.333						
30 Toxaphene									1
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100		10.630						
2	100		12.299						
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						
19 Endrin ketone									
1	100		11.165						
2	100		12.501						
$ 10 DCB Decachlorobiphenyl									
1	100	12.786	12.787	-0.001	2222722	0.002687			
2	100	14.216	14.217	-0.001	1249367	0.002892			

RPD = 7.36

QC Flag Legend

Processing Flags
1 - Missing Peaks

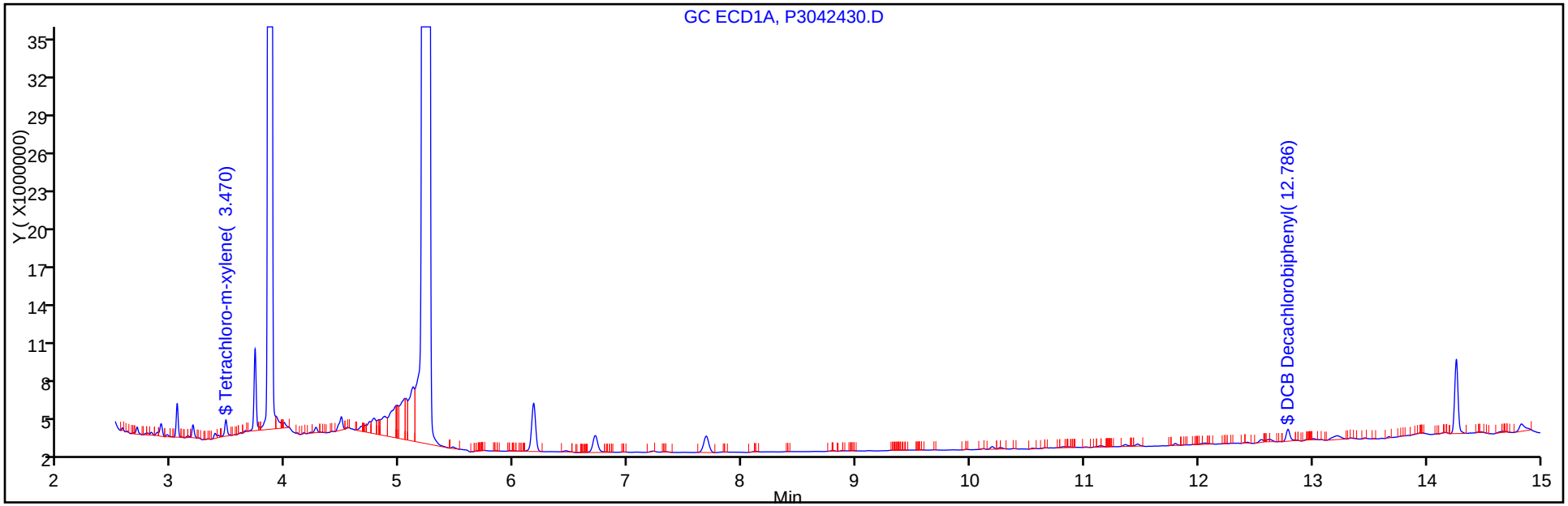
Report Date: 25-Apr-2013 07:51:32 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

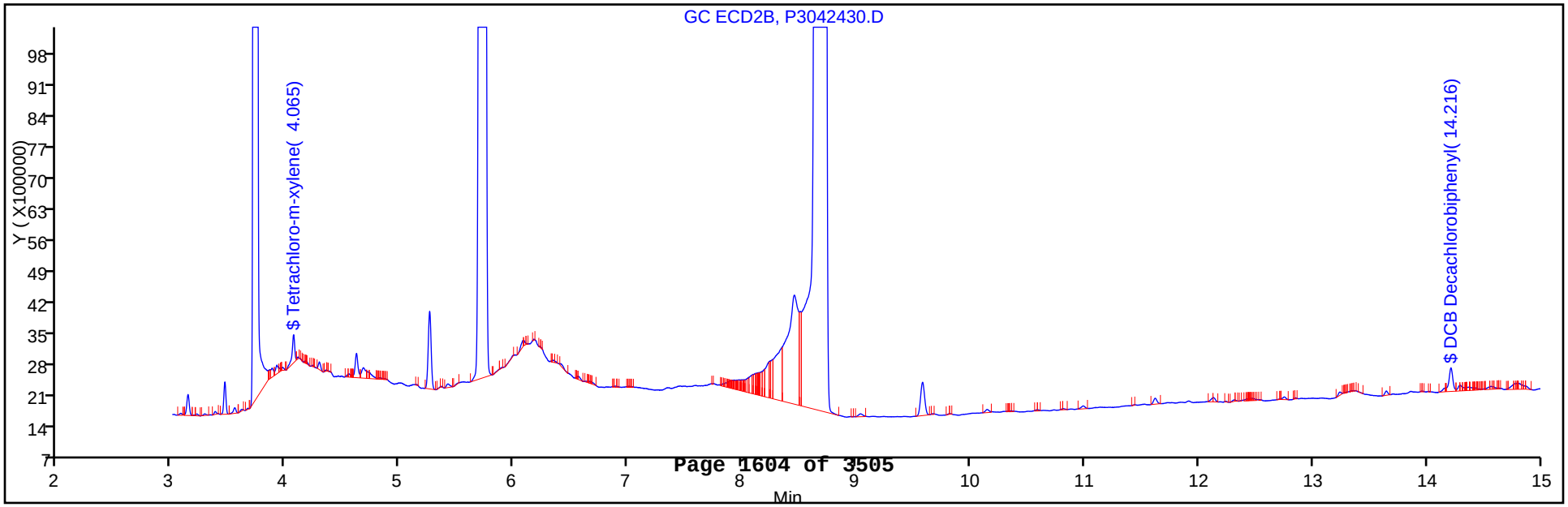
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042430.D

Injection Date:	24-Apr-2013 19:53:36	Limit Group:	GC 8081 D0D ICAL
Client ID:	070SB-0046M-0001-SB	Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	30
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 073SB-0041M-0001-SO | Lab Sample ID: 240-22663-17

Matrix: Solid | Lab File ID: P3042019.D

Analysis Method: 8081/DOD | Date Collected: 04/01/2013 13:03

Extraction Method: 3540C | Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.46(g) | Date Analyzed: 04/20/2013 19:04

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.66*	*U*	*2.0*	0.66	*0.61*
72-55-9	*4,4'-DDE*	*0.38*	*J*	*1.7*	0.66	*0.38*
50-29-3	*4,4'-DDT*	*0.66*	*U*	*2.0*	0.66	*0.62*
309-00-2	*Aldrin*	*1.3*	*U*	*3.9*	1.3	*1.2*
319-84-6	*alpha-BHC*	*1.3*	*U*	*2.5*	1.3	*0.72*
5103-71-9	*alpha-Chlordane*	*1.3*	*U*	*3.0*	1.3	*0.93*
319-85-7	*beta-BHC*	*1.3*	*U*	*3.4*	1.3	*1.1*
319-86-8	*delta-BHC*	*1.3*	*U*	*3.9*	1.3	*1.2*
60-57-1	*Dieldrin*	*0.66*	*U*	*1.7*	0.66	*0.46*
959-98-8	*Endosulfan I*	*0.66*	*U*	*1.7*	0.66	*0.51*
33213-65-9	*Endosulfan II*	*1.3*	*U*	*2.5*	1.3	*0.81*
1031-07-8	*Endosulfan sulfate*	*1.3*	*U*	*3.0*	1.3	*0.86*
72-20-8	*Endrin*	*0.66*	*U*	*1.7*	0.66	*0.49*
7421-93-4	*Endrin aldehyde*	*1.3*	*U*	*3.0*	1.3	*0.98*
53494-70-5	*Endrin ketone*	*0.66*	*U*	*2.0*	0.66	*0.62*
58-89-9	*gamma-BHC (Lindane)*	*1.3*	*U*	*2.5*	1.3	*0.73*
5103-74-2	*gamma-Chlordane*	*0.66*	*U*	*1.7*	0.66	*0.41*
76-44-8	*Heptachlor*	*1.3*	*U*	*3.4*	1.3	*1.1*
1024-57-3	*Heptachlor epoxide*	*1.3*	*U*	*2.5*	1.3	*0.79*
72-43-5	*Methoxychlor*	*3.3*	*U*	*4.9*	3.3	*1.5*
8001-35-2	*Toxaphene*	*20*	*U*	*66*	20	*19*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	73		55-130
877-09-8	Tetrachloro-m-xylene	80		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042019.D		
Lims ID:	240-22663-G-17-B	Client ID:	073SB-0041M-0001-SO
Inject. Date:	20-Apr-2013 19:04:27	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019105-019		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	82857	Lims Sample ID:	19
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m		
Last Update:	27-Apr-2013 10:41:30	Calib Date:	16-Apr-2013 14:58:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: vandorenc Date: 27-Apr-2013 10:41:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.476	3.475	0.001	17651456	0.0160			
2	100	4.071	4.071	0.000	7632449	0.0126			
						RPD = 23.76			
5 alpha-BHC									1
1	100		4.164						
2	100		4.924						
20 gamma-BHC (Lindane)									1
1	100		4.542						
2	100		5.506						
7 beta-BHC									1
1	100		4.675						
2	100		5.692						
11 delta-BHC									1
1	100		4.888						
2	100		6.274						
22 Heptachlor									1
1	100		5.170						
2	100		6.336						
4 Aldrin									1
1	100		5.618						
2	100		7.082						
23 Heptachlor epoxide									1
1	100		6.838						
2	100		8.582						
21 gamma-Chlordane									1
1	100		7.138						
2	100		8.986						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									1
1	100		7.486						
2	100		9.296						
14 Endosulfan I									1
1	100		7.763						
2	100		9.361						
2 4,4'-DDE									
1	100	7.866	7.866	0.000	1478966	0.001168			
2	100	9.742	9.743	-0.001	704198	0.001155			
						RPD = 1.12			
13 Dieldrin									1
1	100		8.326						
2	100		9.891						
17 Endrin									1
1	100		8.787						
2	100		10.412						
1 4,4'-DDD									1
1	100		9.153						
2	100		10.754						
15 Endosulfan II									1
1	100		9.240						
2	100		10.785						
3 4,4'-DDT									M
1	100	9.679	9.681	-0.002	961092	0.001042			
2	100	11.236	11.236	0.000	470894	0.001190			
						RPD = 13.29			
18 Endrin aldehyde									1
1	100		10.045						
2	100		11.353						
30 Toxaphene									1
1	1		10.234						
1	2		10.577						
1	3		10.727						
1	4		11.144						
1	5		11.417						
2	100		10.338						
2	2		10.933						
2	3		11.356						
2	4		12.099						
2	5		12.662						
27 Methoxychlor									1
1	100		10.641						
2	100		12.321						
16 Endosulfan sulfate									1
1	100		10.774						
2	100		11.772						
19 Endrin ketone									1
1	100		11.176						
2	100		12.522						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.795	12.796	-0.001	14020565	0.0146			
2	100	14.244	14.244	0.000	6966232	0.0145			
						RPD = 0.75			

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

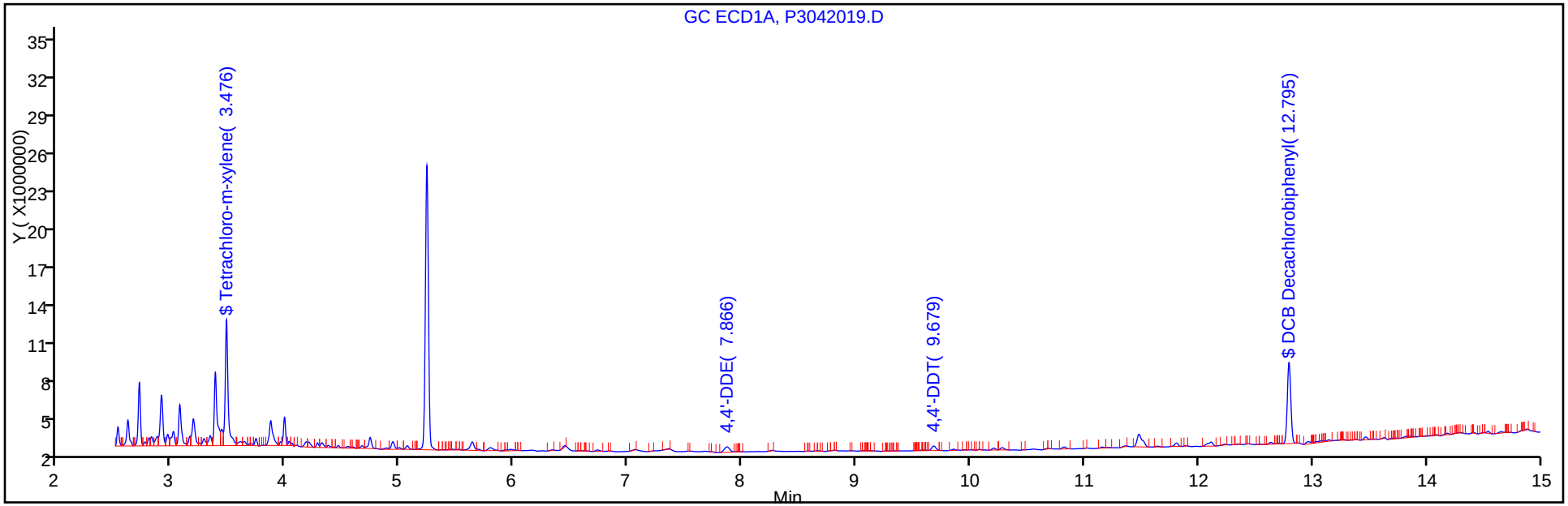
Report Date: 27-Apr-2013 10:41:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

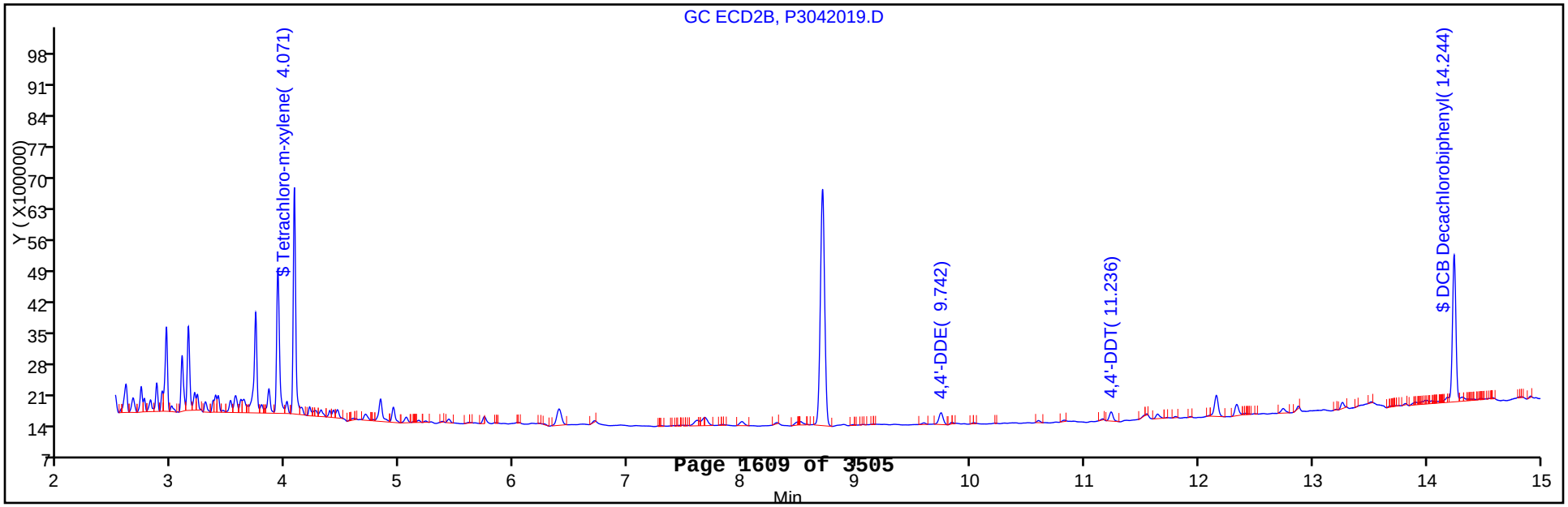
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Injection Date:	20-Apr-2013 19:04:27	Limit Group:	GC 8081 D0D ICAL
Client ID:	073SB-0041M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	19
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 073SB-0041M-0001-SO Lab Sample ID: 240-22663-17

Matrix: Solid Lab File ID: P3042019.D

Analysis Method: 8081/DOD Date Collected: 04/01/2013 13:03

Extraction Method: 3540C Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.46(g) Date Analyzed: 04/20/2013 19:04

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	72		55-130
877-09-8	Tetrachloro-m-xylene	63	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042019.D		
Lims ID:	240-22663-G-17-B	Client ID:	073SB-0041M-0001-SO
Inject. Date:	20-Apr-2013 19:04:27	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019105-019		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	82857	Lims Sample ID:	19
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m		
Last Update:	27-Apr-2013 10:41:30	Calib Date:	16-Apr-2013 14:58:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		
First Level Reviewer: vandorenc		Date:	27-Apr-2013 10:41:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.476	3.475	0.001	17651456	0.0160			
2	100	4.071	4.071	0.000	7632449	0.0126			
						RPD = 23.76			
5 alpha-BHC									1
1	100		4.164						
2	100		4.924						
20 gamma-BHC (Lindane)									1
1	100		4.542						
2	100		5.506						
7 beta-BHC									1
1	100		4.675						
2	100		5.692						
11 delta-BHC									1
1	100		4.888						
2	100		6.274						
22 Heptachlor									1
1	100		5.170						
2	100		6.336						
4 Aldrin									1
1	100		5.618						
2	100		7.082						
23 Heptachlor epoxide									1
1	100		6.838						
2	100		8.582						
21 gamma-Chlordane									1
1	100		7.138						
2	100		8.986						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									1
1	100		7.486						
2	100		9.296						
14 Endosulfan I									1
1	100		7.763						
2	100		9.361						
2 4,4'-DDE									
1	100	7.866	7.866	0.000	1478966	0.001168			
2	100	9.742	9.743	-0.001	704198	0.001155			
						RPD = 1.12			
13 Dieldrin									1
1	100		8.326						
2	100		9.891						
17 Endrin									1
1	100		8.787						
2	100		10.412						
1 4,4'-DDD									1
1	100		9.153						
2	100		10.754						
15 Endosulfan II									1
1	100		9.240						
2	100		10.785						
3 4,4'-DDT									M
1	100	9.679	9.681	-0.002	961092	0.001042			
2	100	11.236	11.236	0.000	470894	0.001190			
						RPD = 13.29			
18 Endrin aldehyde									1
1	100		10.045						
2	100		11.353						
30 Toxaphene									1
1	1		10.234						
1	2		10.577						
1	3		10.727						
1	4		11.144						
1	5		11.417						
2	100		10.338						
2	2		10.933						
2	3		11.356						
2	4		12.099						
2	5		12.662						
27 Methoxychlor									1
1	100		10.641						
2	100		12.321						
16 Endosulfan sulfate									1
1	100		10.774						
2	100		11.772						
19 Endrin ketone									1
1	100		11.176						
2	100		12.522						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.795	12.796	-0.001	14020565	0.0146			
2	100	14.244	14.244	0.000	6966232	0.0145			
						RPD = 0.75			

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

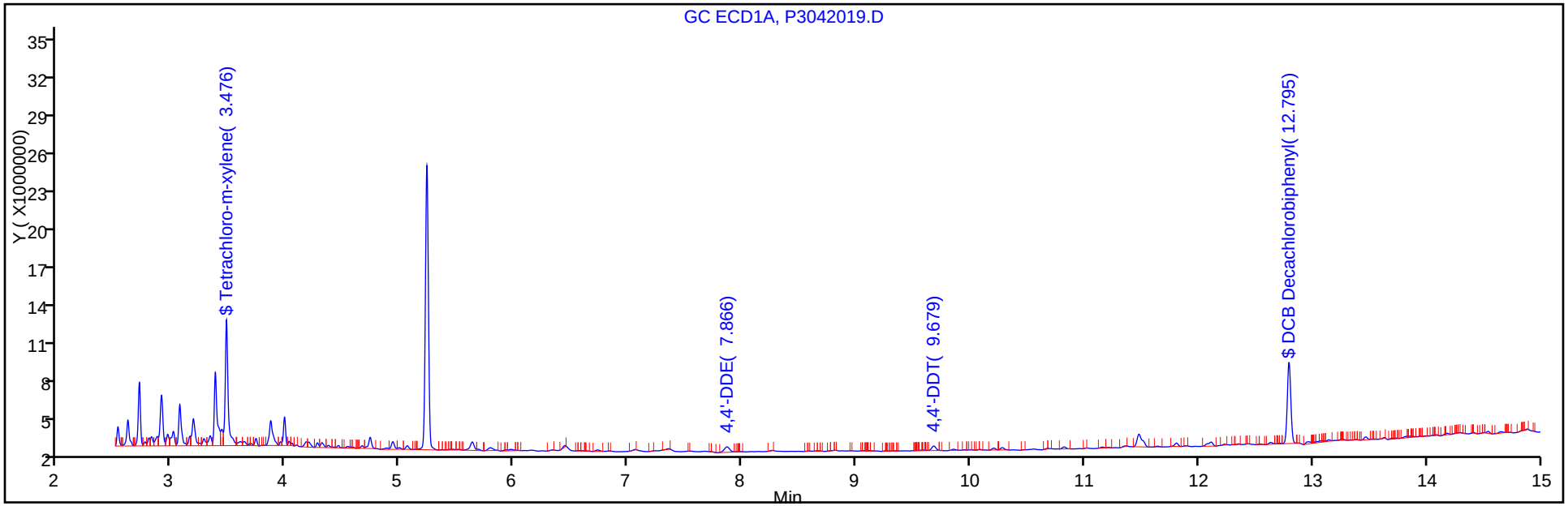
Report Date: 27-Apr-2013 10:41:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

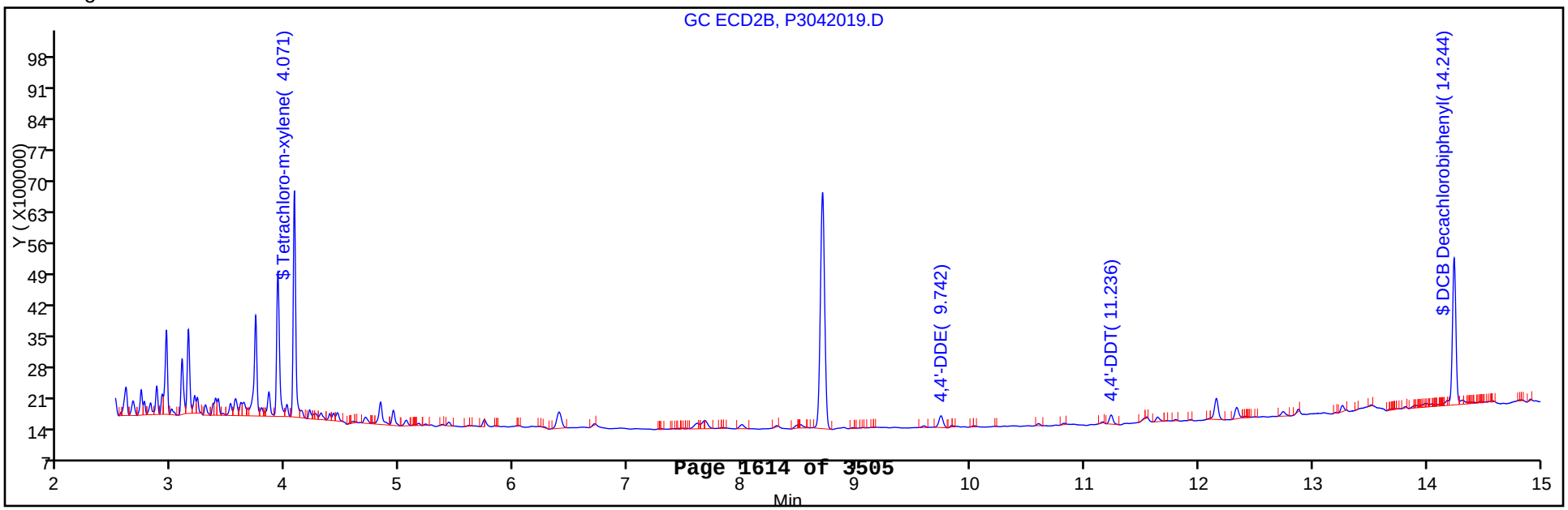
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042019.D

Injection Date:	20-Apr-2013 19:04:27	Limit Group:	GC 8081 D0D ICAL
Client ID:	073SB-0041M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	19
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 073SB-0041M-0001-SO RE | Lab Sample ID: 240-22663-17 RE

Matrix: Solid | Lab File ID: P3042431.D

Analysis Method: 8081/DOD | Date Collected: 04/01/2013 13:03

Extraction Method: 3540C | Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.02(g) | Date Analyzed: 04/24/2013 20:13

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.67	U H	2.0	0.67	0.62
72-55-9	4,4'-DDE	0.66	J H	1.7	0.67	0.39
50-29-3	4,4'-DDT	0.67	U H	2.0	0.67	0.63
309-00-2	Aldrin	1.3	U H	4.0	1.3	1.2
319-84-6	alpha-BHC	1.2	J H	2.5	1.3	0.73
5103-71-9	alpha-Chlordane	1.3	U H	3.0	1.3	0.94
319-85-7	beta-BHC	1.3	U H	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U H	4.0	1.3	1.2
60-57-1	Dieldrin	0.67	U H	1.7	0.67	0.47
959-98-8	Endosulfan I	0.67	U H	1.7	0.67	0.52
33213-65-9	Endosulfan II	1.3	U H	2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	1.3	U H	3.0	1.3	0.87
72-20-8	Endrin	0.67	U H	1.7	0.67	0.50
7421-93-4	Endrin aldehyde	1.3	U H	3.0	1.3	1.0
53494-70-5	Endrin ketone	0.67	U H	2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	1.3	U H	2.5	1.3	0.74
5103-74-2	gamma-Chlordane	0.67	U H	1.7	0.67	0.42
76-44-8	Heptachlor	1.3	U H	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U H	2.5	1.3	0.80
72-43-5	Methoxychlor	3.3	U H	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U H	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	98		55-130
877-09-8	Tetrachloro-m-xylene	107		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042431.D		
Lims ID:	240-22663-G-17-F	Client ID:	073SB-0041M-0001-SO
Inject. Date:	24-Apr-2013 20:13:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019209-031		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	83400	Lims Sample ID:	31
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		
First Level Reviewer: shockr		Date:	25-Apr-2013 07:17:53

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.474	3.471	0.003	18889958	0.0214			
2	100	4.066	4.064	0.002	8753857	0.0182			
						RPD = 16.02			
5 alpha-BHC									
1	100	4.169	4.159	0.010	4817116	0.003544			
2	100	4.930	4.915	0.015	1946795	0.002726			
						RPD = 26.09			
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									1
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100	7.848	7.850	-0.002	1916266	0.001978			
2	100	9.727	9.727	0.000	803560	0.001617			
						RPD = 20.07			
13 Dieldrin									1
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
1 4,4'-DDD									
1	100		9.139						
2	100		10.736						
15 Endosulfan II									
1	100		9.225						
2	100		10.766						
3 4,4'-DDT									
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.333						
30 Toxaphene									
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100		10.630						
2	100		12.299						
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100		11.165						
2	100		12.501						
$ 10 DCB Decachlorobiphenyl									
1	100	12.786	12.787	-0.001	16257832	0.0197			
2	100	14.217	14.217	0.000	8193571	0.0190			
						RPD = 3.55			

QC Flag Legend

Processing Flags
1 - Missing Peaks

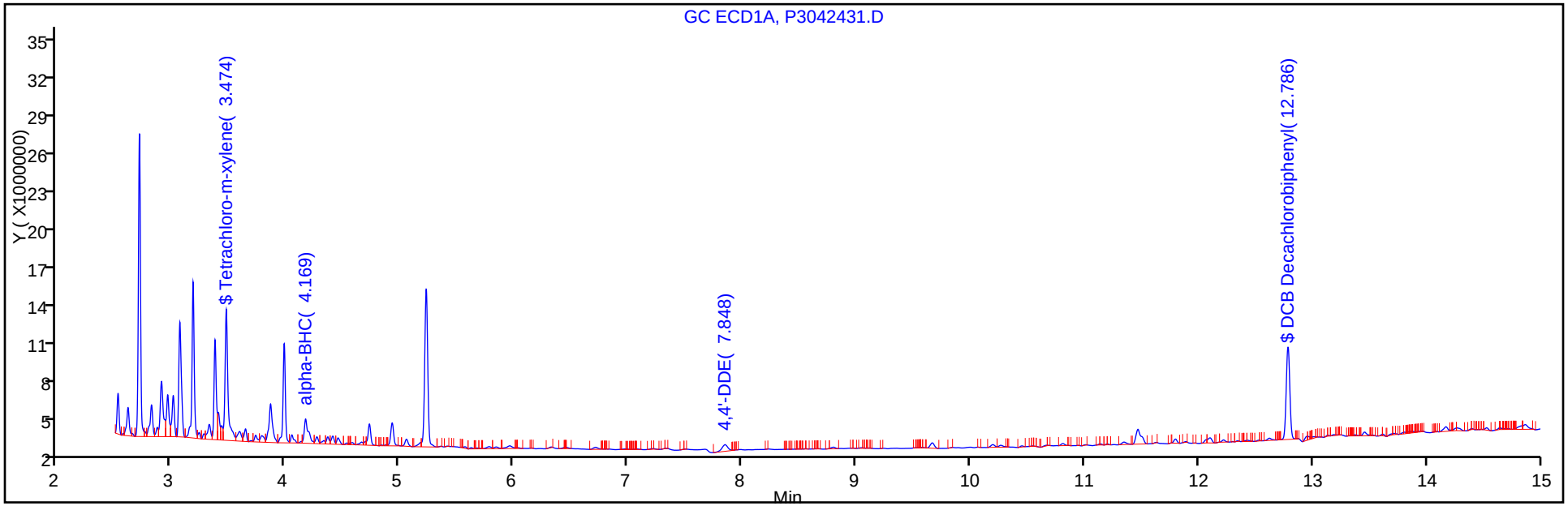
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TestAmerica Canton

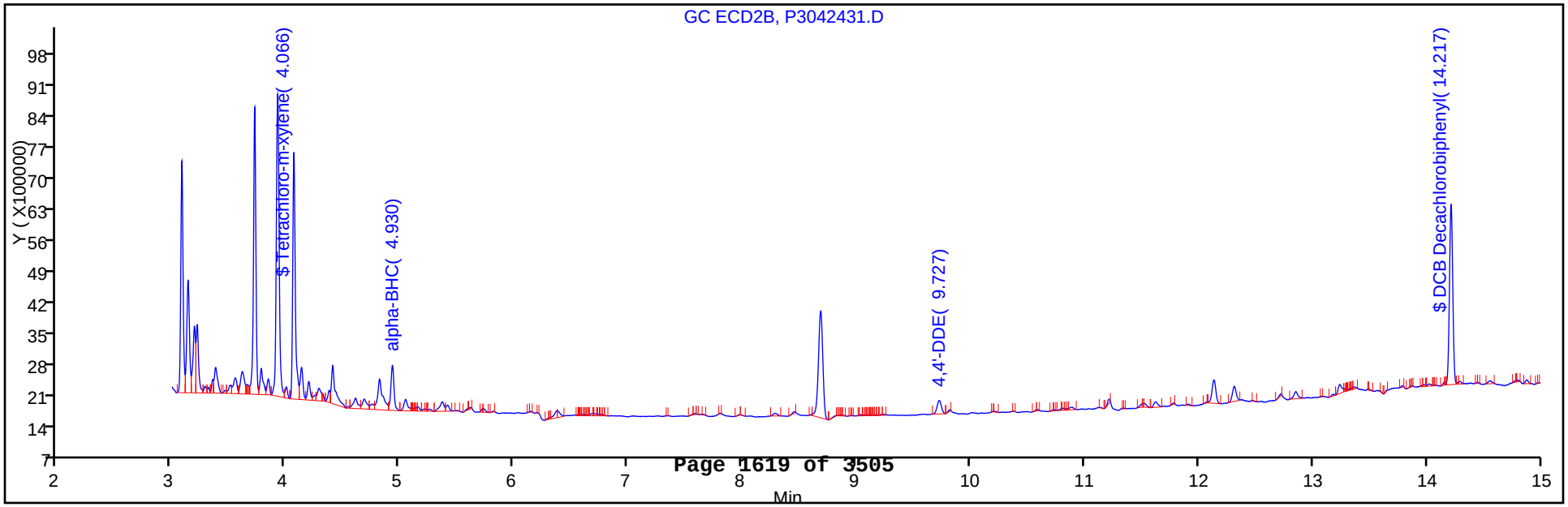
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Injection Date:	24-Apr-2013 20:13:46	Limit Group:	GC 8081 D0D ICAL
Client ID:	073SB-0041M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	31
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 073SB-0041M-0001-SO RE Lab Sample ID: 240-22663-17 RE

Matrix: Solid Lab File ID: P3042431.D

Analysis Method: 8081/DOD Date Collected: 04/01/2013 13:03

Extraction Method: 3540C Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.02(g) Date Analyzed: 04/24/2013 20:13

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	95		55-130
877-09-8	Tetrachloro-m-xylene	91		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042431.D		
Lims ID:	240-22663-G-17-F	Client ID:	073SB-0041M-0001-SO
Inject. Date:	24-Apr-2013 20:13:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019209-031		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	83400	Lims Sample ID:	31
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		
First Level Reviewer: shockr		Date:	25-Apr-2013 07:17:53

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.474	3.471	0.003	18889958	0.0214			
2	100	4.066	4.064	0.002	8753857	0.0182			
						RPD = 16.02			
5 alpha-BHC									
1	100	4.169	4.159	0.010	4817116	0.003544			
2	100	4.930	4.915	0.015	1946795	0.002726			
						RPD = 26.09			
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									1
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100	7.848	7.850	-0.002	1916266	0.001978			
2	100	9.727	9.727	0.000	803560	0.001617			
						RPD = 20.07			
13 Dieldrin									1
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
1 4,4'-DDD									
1	100		9.139						
2	100		10.736						
15 Endosulfan II									
1	100		9.225						
2	100		10.766						
3 4,4'-DDT									
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.333						
30 Toxaphene									
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100		10.630						
2	100		12.299						
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100		11.165						
2	100		12.501						
$ 10 DCB Decachlorobiphenyl									
1	100	12.786	12.787	-0.001	16257832	0.0197			
2	100	14.217	14.217	0.000	8193571	0.0190			
						RPD = 3.55			

QC Flag Legend

Processing Flags
1 - Missing Peaks

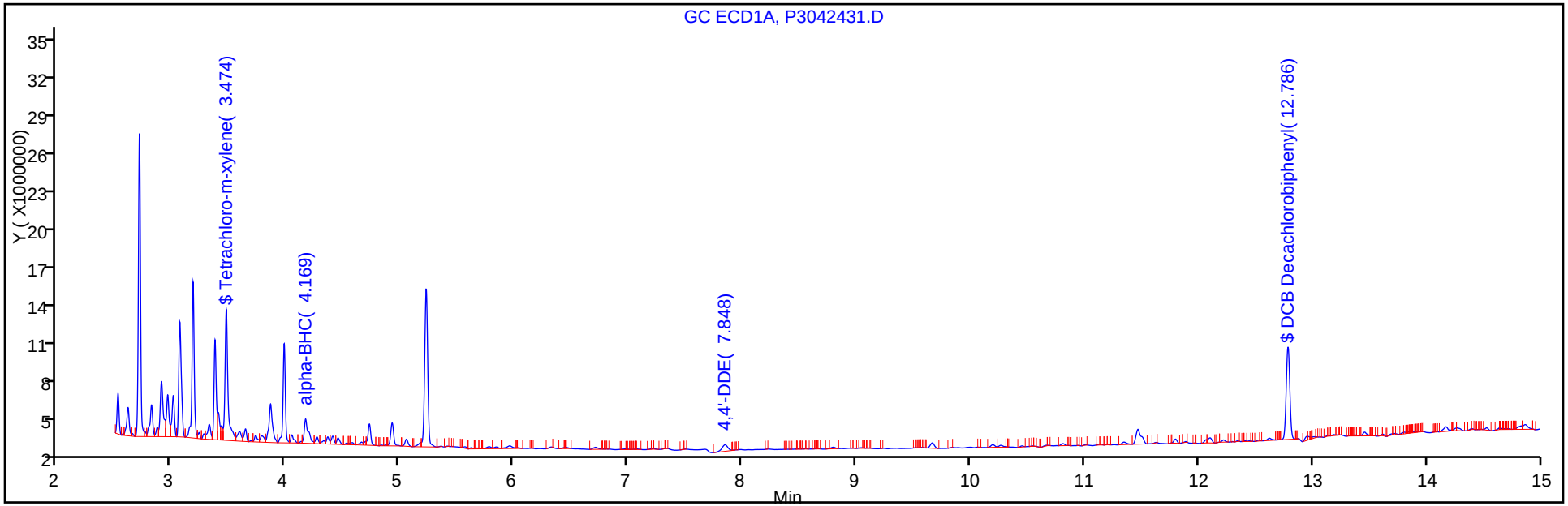
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TestAmerica Canton

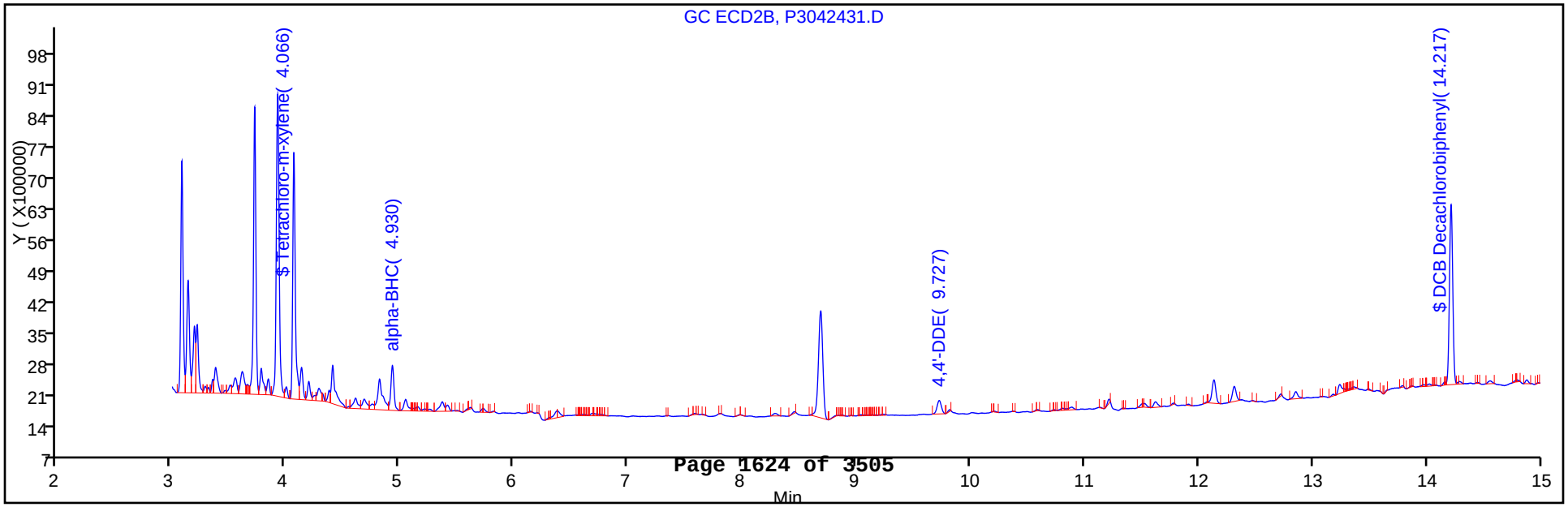
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042431.D

Injection Date:	24-Apr-2013 20:13:46	Limit Group:	GC 8081 D0D ICAL
Client ID:	073SB-0041M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	31
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0026M-0001-SO | Lab Sample ID: 240-22663-26

Matrix: Solid | Lab File ID: P3042020.D

Analysis Method: 8081/DOD | Date Collected: 04/01/2013 10:37

Extraction Method: 3540C | Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.04(g) | Date Analyzed: 04/20/2013 19:24

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.67*	*U*	*2.0*	0.67	*0.62*
72-55-9	*4,4'-DDE*	*0.67*	*U*	*1.7*	0.67	*0.39*
50-29-3	*4,4'-DDT*	*0.67*	*U*	*2.0*	0.67	*0.63*
309-00-2	*Aldrin*	*1.3*	*U*	*4.0*	1.3	*1.2*
319-84-6	*alpha-BHC*	*1.3*	*U*	*2.5*	1.3	*0.73*
5103-71-9	*alpha-Chlordane*	*1.3*	*U*	*3.0*	1.3	*0.94*
319-85-7	*beta-BHC*	*1.3*	*U*	*3.5*	1.3	*1.1*
319-86-8	*delta-BHC*	*1.3*	*U*	*4.0*	1.3	*1.2*
60-57-1	*Dieldrin*	*0.67*	*U*	*1.7*	0.67	*0.47*
959-98-8	*Endosulfan I*	*0.67*	*U*	*1.7*	0.67	*0.52*
33213-65-9	*Endosulfan II*	*1.3*	*U*	*2.5*	1.3	*0.82*
1031-07-8	*Endosulfan sulfate*	*1.3*	*U*	*3.0*	1.3	*0.87*
72-20-8	*Endrin*	*0.67*	*U*	*1.7*	0.67	*0.50*
7421-93-4	*Endrin aldehyde*	*1.3*	*U*	*3.0*	1.3	*1.0*
53494-70-5	*Endrin ketone*	*0.67*	*U*	*2.0*	0.67	*0.63*
58-89-9	*gamma-BHC (Lindane)*	*1.3*	*U*	*2.5*	1.3	*0.74*
5103-74-2	*gamma-Chlordane*	*0.67*	*U*	*1.7*	0.67	*0.42*
76-44-8	*Heptachlor*	*1.3*	*U*	*3.5*	1.3	*1.1*
1024-57-3	*Heptachlor epoxide*	*1.3*	*U*	*2.5*	1.3	*0.80*
72-43-5	*Methoxychlor*	*3.3*	*U*	*5.0*	3.3	*1.5*
8001-35-2	*Toxaphene*	*20*	*U*	*67*	20	*19*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	57		55-130
877-09-8	Tetrachloro-m-xylene	53	*Q*	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042020.D		
Lims ID:	240-22663-G-26-B	Client ID:	079SB-0026M-0001-SO
Inject. Date:	20-Apr-2013 19:24:40	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019105-020		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	82857	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m		
Last Update:	22-Apr-2013 10:31:04	Calib Date:	16-Apr-2013 14:58:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		
First Level Reviewer: shockr		Date:	22-Apr-2013 09:54:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.476	3.475	0.001	11563273	0.0105			
2	100	4.071	4.071	0.000	7132755	0.0118			
						RPD = 11.64			
5 alpha-BHC									
1	100		4.164						
2	100		4.924						
20 gamma-BHC (Lindane)									
1	100		4.542						
2	100		5.506						
7 beta-BHC									
1	100		4.675						
2	100		5.692						
11 delta-BHC									
1	100		4.888						
2	100		6.274						
22 Heptachlor									1
1	100		5.170						
2	100		6.336						
4 Aldrin									
1	100		5.618						
2	100		7.082						
23 Heptachlor epoxide									
1	100		6.838						
2	100		8.582						
21 gamma-Chlordane									
1	100		7.138						
2	100		8.986						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.486						
2	100		9.296						
14 Endosulfan I									1
1	100		7.763						
2	100		9.361						
2 4,4'-DDE									
1	100		7.866						
2	100		9.743						
13 Dieldrin									
1	100		8.326						
2	100		9.891						
17 Endrin									1
1	100		8.787						
2	100		10.412						
1 4,4'-DDD									1
1	100		9.153						
2	100		10.754						
15 Endosulfan II									
1	100		9.240						
2	100		10.785						
3 4,4'-DDT									
1	100		9.681						
2	100		11.236						
18 Endrin aldehyde									
1	100		10.045						
2	100		11.353						
30 Toxaphene									
1	1		10.234						
1	2		10.577						
1	3		10.727						
1	4		11.144						
1	5		11.417						
2	100		10.338						
2	2		10.933						
2	3		11.356						
2	4		12.099						
2	5		12.662						
27 Methoxychlor									
1	100		10.641						
2	100		12.321						
16 Endosulfan sulfate									
1	100		10.774						
2	100		11.772						
19 Endrin ketone									
1	100		11.176						
2	100		12.522						
$ 10 DCB Decachlorobiphenyl									
1	100	12.795	12.796	-0.001	10999593	0.0115			
2	100	14.243	14.244	-0.001	5450200	0.0113			

RPD = 1.03

QC Flag Legend

Processing Flags
1 - Missing Peaks

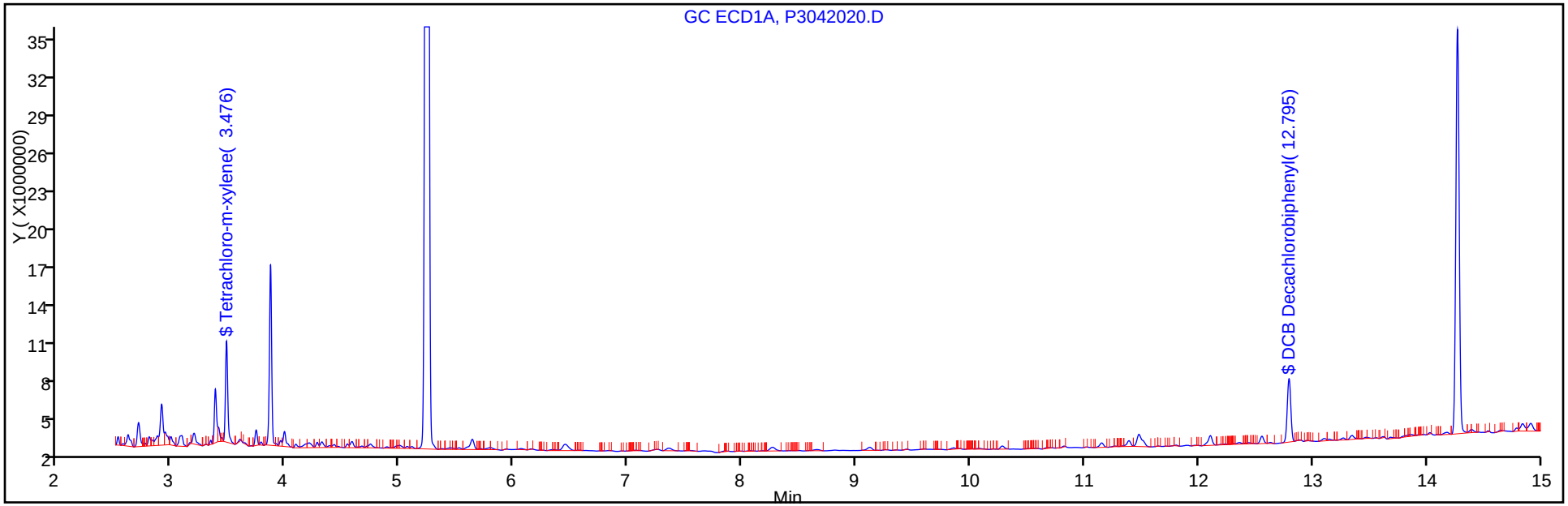
Report Date: 22-Apr-2013 10:31:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

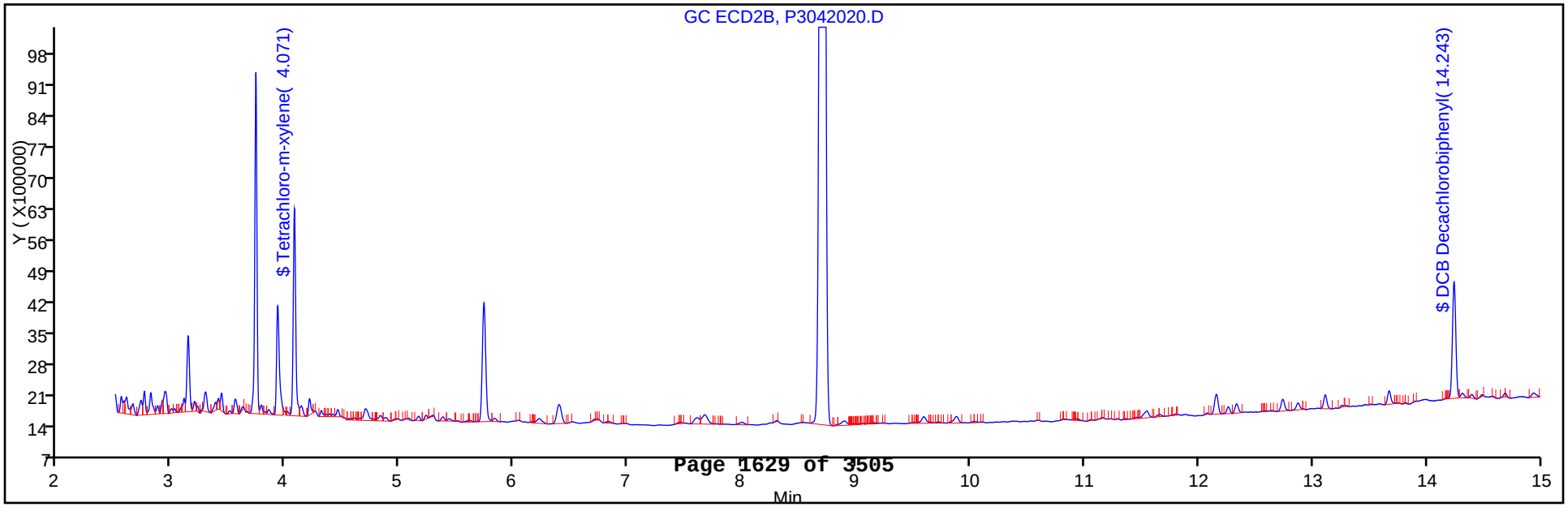
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042020.D

Injection Date:	20-Apr-2013 19:24:40	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0026M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0026M-0001-SO Lab Sample ID: 240-22663-26

Matrix: Solid Lab File ID: P3042020.D

Analysis Method: 8081/DOD Date Collected: 04/01/2013 10:37

Extraction Method: 3540C Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.04(g) Date Analyzed: 04/20/2013 19:24

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	57		55-130
877-09-8	Tetrachloro-m-xylene	59	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042020.D		
Lims ID:	240-22663-G-26-B	Client ID:	079SB-0026M-0001-SO
Inject. Date:	20-Apr-2013 19:24:40	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019105-020		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	82857	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m		
Last Update:	22-Apr-2013 10:31:04	Calib Date:	16-Apr-2013 14:58:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		
First Level Reviewer: shockr		Date:	22-Apr-2013 09:54:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.476	3.475	0.001	11563273	0.0105			
2	100	4.071	4.071	0.000	7132755	0.0118			
						RPD = 11.64			
5 alpha-BHC									
1	100		4.164						
2	100		4.924						
20 gamma-BHC (Lindane)									
1	100		4.542						
2	100		5.506						
7 beta-BHC									
1	100		4.675						
2	100		5.692						
11 delta-BHC									
1	100		4.888						
2	100		6.274						
22 Heptachlor									1
1	100		5.170						
2	100		6.336						
4 Aldrin									
1	100		5.618						
2	100		7.082						
23 Heptachlor epoxide									
1	100		6.838						
2	100		8.582						
21 gamma-Chlordane									
1	100		7.138						
2	100		8.986						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.486						
2	100		9.296						
14 Endosulfan I									1
1	100		7.763						
2	100		9.361						
2 4,4'-DDE									
1	100		7.866						
2	100		9.743						
13 Dieldrin									
1	100		8.326						
2	100		9.891						
17 Endrin									1
1	100		8.787						
2	100		10.412						
1 4,4'-DDD									1
1	100		9.153						
2	100		10.754						
15 Endosulfan II									
1	100		9.240						
2	100		10.785						
3 4,4'-DDT									
1	100		9.681						
2	100		11.236						
18 Endrin aldehyde									
1	100		10.045						
2	100		11.353						
30 Toxaphene									
1	1		10.234						
1	2		10.577						
1	3		10.727						
1	4		11.144						
1	5		11.417						
2	100		10.338						
2	2		10.933						
2	3		11.356						
2	4		12.099						
2	5		12.662						
27 Methoxychlor									
1	100		10.641						
2	100		12.321						
16 Endosulfan sulfate									
1	100		10.774						
2	100		11.772						
19 Endrin ketone									
1	100		11.176						
2	100		12.522						
$ 10 DCB Decachlorobiphenyl									
1	100	12.795	12.796	-0.001	10999593	0.0115			
2	100	14.243	14.244	-0.001	5450200	0.0113			

RPD = 1.03

QC Flag Legend

Processing Flags
1 - Missing Peaks

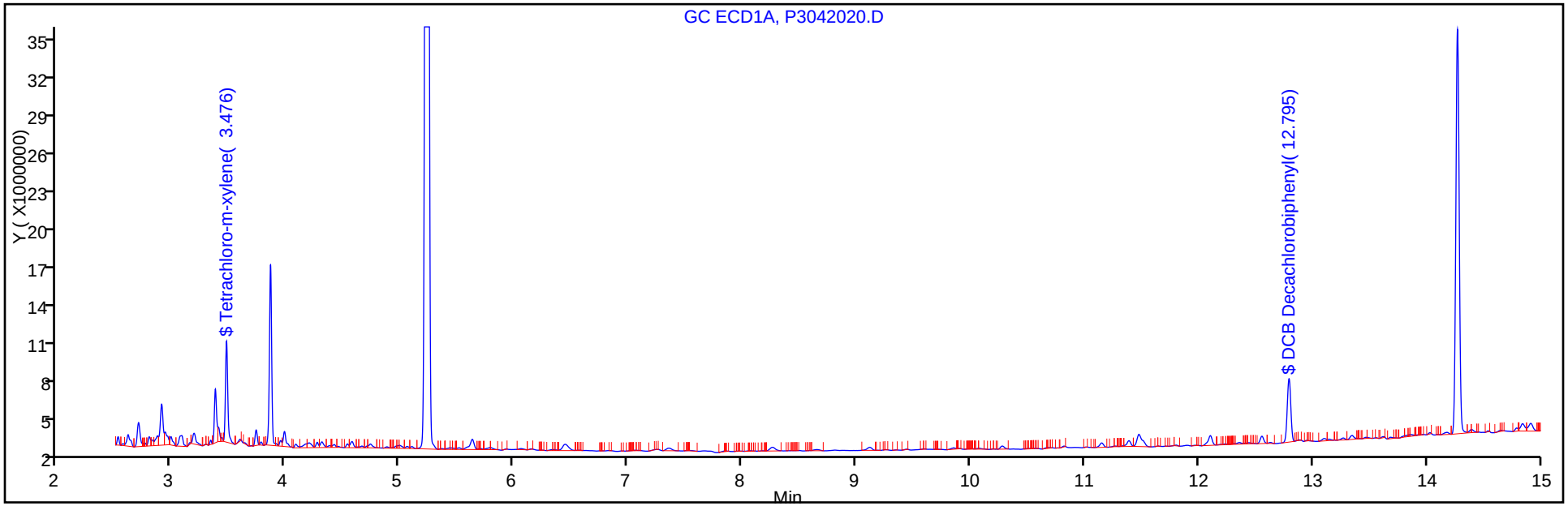
Report Date: 22-Apr-2013 10:31:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

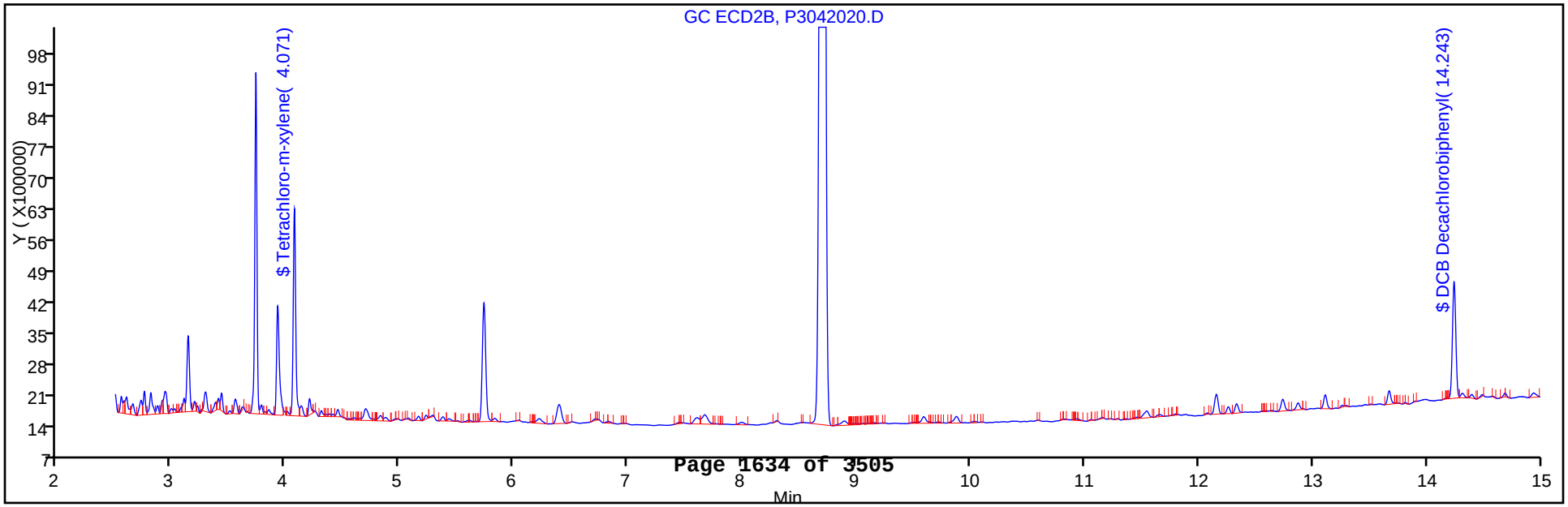
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042020.D

Injection Date:	20-Apr-2013 19:24:40	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0026M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0026M-0001-SO RE | Lab Sample ID: 240-22663-26 RE

Matrix: Solid | Lab File ID: P3042432.D

Analysis Method: 8081/DOD | Date Collected: 04/01/2013 10:37

Extraction Method: 3540C | Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.38(g) | Date Analyzed: 04/24/2013 20:34

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.66	U H	2.0	0.66	0.61
72-55-9	4,4'-DDE	0.66	U H	1.7	0.66	0.39
50-29-3	4,4'-DDT	0.66	U H	2.0	0.66	0.62
309-00-2	Aldrin	1.3	U H	3.9	1.3	1.2
319-84-6	alpha-BHC	1.3	U H	2.5	1.3	0.72
5103-71-9	alpha-Chlordane	1.3	U H	3.0	1.3	0.93
319-85-7	beta-BHC	1.3	U H	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U H	3.9	1.3	1.2
60-57-1	Dieldrin	0.66	U H	1.7	0.66	0.46
959-98-8	Endosulfan I	0.66	U H	1.7	0.66	0.51
33213-65-9	Endosulfan II	1.3	U H	2.5	1.3	0.81
1031-07-8	Endosulfan sulfate	1.3	U H	3.0	1.3	0.86
72-20-8	Endrin	0.66	U H	1.7	0.66	0.49
7421-93-4	Endrin aldehyde	1.3	U H	3.0	1.3	0.99
53494-70-5	Endrin ketone	0.66	U H	2.0	0.66	0.62
58-89-9	gamma-BHC (Lindane)	1.3	U H	2.5	1.3	0.73
5103-74-2	gamma-Chlordane	0.66	U H	1.7	0.66	0.41
76-44-8	Heptachlor	1.3	U H	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U H	2.5	1.3	0.79
72-43-5	Methoxychlor	3.3	U H	4.9	3.3	1.5
8001-35-2	Toxaphene	20	U H	66	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	91		55-130
877-09-8	Tetrachloro-m-xylene	90		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042432.D		
Lims ID:	240-22663-G-26-F	Client ID:	079SB-0026M-0001-SO
Inject. Date:	24-Apr-2013 20:34:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019209-032		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	32
Lims Batch ID:	83400	Lims Sample ID:	32
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.474	3.471	0.003	15945247	0.0181			
2	100	4.065	4.064	0.001	7700499	0.0160			
						RPD = 11.92			
5 alpha-BHC									
1	100		4.159						
2	100		4.915						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									1
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
13 Dieldrin									
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
1 4,4'-DDD									1
1	100		9.139						
2	100		10.736						
15 Endosulfan II									
1	100		9.225						
2	100		10.766						
3 4,4'-DDT									
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.333						
30 Toxaphene									
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100		10.630						
2	100		12.299						
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						
19 Endrin ketone									
1	100		11.165						
2	100		12.501						
$ 10 DCB Decachlorobiphenyl									
1	100	12.785	12.787	-0.002	15081688	0.0182			
2	100	14.216	14.217	-0.001	7782732	0.0180			

RPD = 1.19

QC Flag Legend

Processing Flags
1 - Missing Peaks

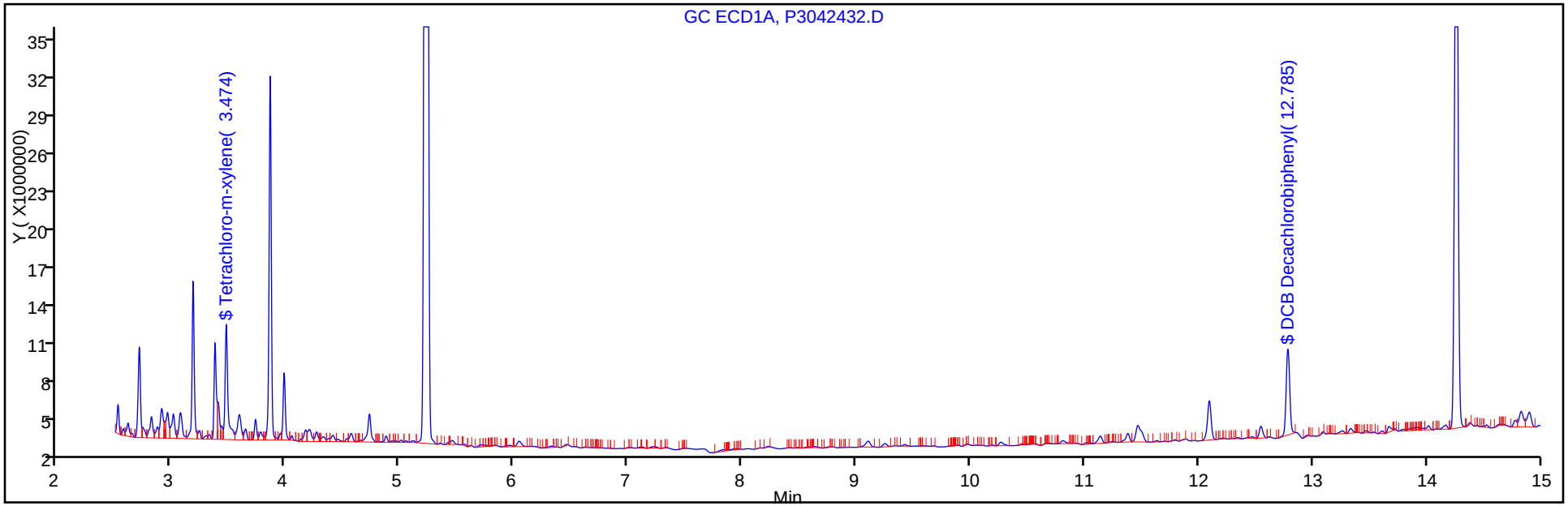
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TestAmerica Canton

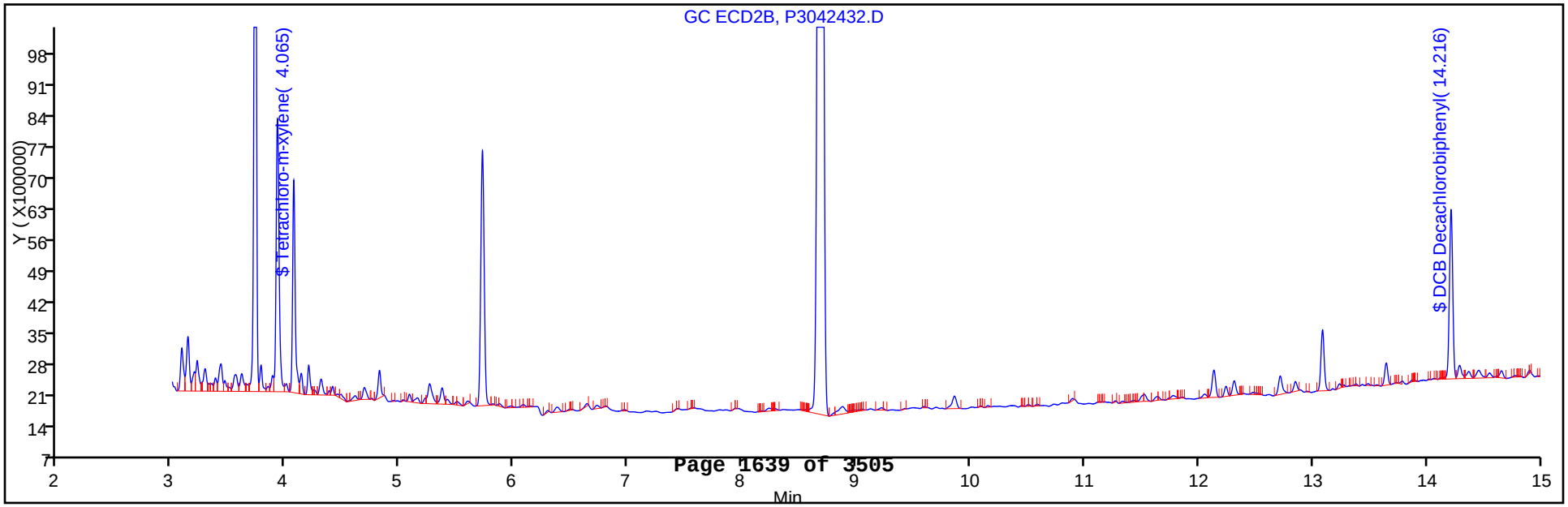
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042432.D

Injection Date:	24-Apr-2013 20:34:00	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0026M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	32
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0026M-0001-SO RE Lab Sample ID: 240-22663-26 RE

Matrix: Solid Lab File ID: P3042432.D

Analysis Method: 8081/DOD Date Collected: 04/01/2013 10:37

Extraction Method: 3540C Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.38(g) Date Analyzed: 04/24/2013 20:34

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	90		55-130
877-09-8	Tetrachloro-m-xylene	80		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042432.D		
Lims ID:	240-22663-G-26-F	Client ID:	079SB-0026M-0001-SO
Inject. Date:	24-Apr-2013 20:34:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019209-032		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	32
Lims Batch ID:	83400	Lims Sample ID:	32
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.474	3.471	0.003	15945247	0.0181			
2	100	4.065	4.064	0.001	7700499	0.0160			
						RPD = 11.92			
5 alpha-BHC									
1	100		4.159						
2	100		4.915						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									1
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
13 Dieldrin									
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
1 4,4'-DDD									1
1	100		9.139						
2	100		10.736						
15 Endosulfan II									
1	100		9.225						
2	100		10.766						
3 4,4'-DDT									
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.333						
30 Toxaphene									
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100		10.630						
2	100		12.299						
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						
19 Endrin ketone									
1	100		11.165						
2	100		12.501						
$ 10 DCB Decachlorobiphenyl									
1	100	12.785	12.787	-0.002	15081688	0.0182			
2	100	14.216	14.217	-0.001	7782732	0.0180			

RPD = 1.19

QC Flag Legend

Processing Flags
1 - Missing Peaks

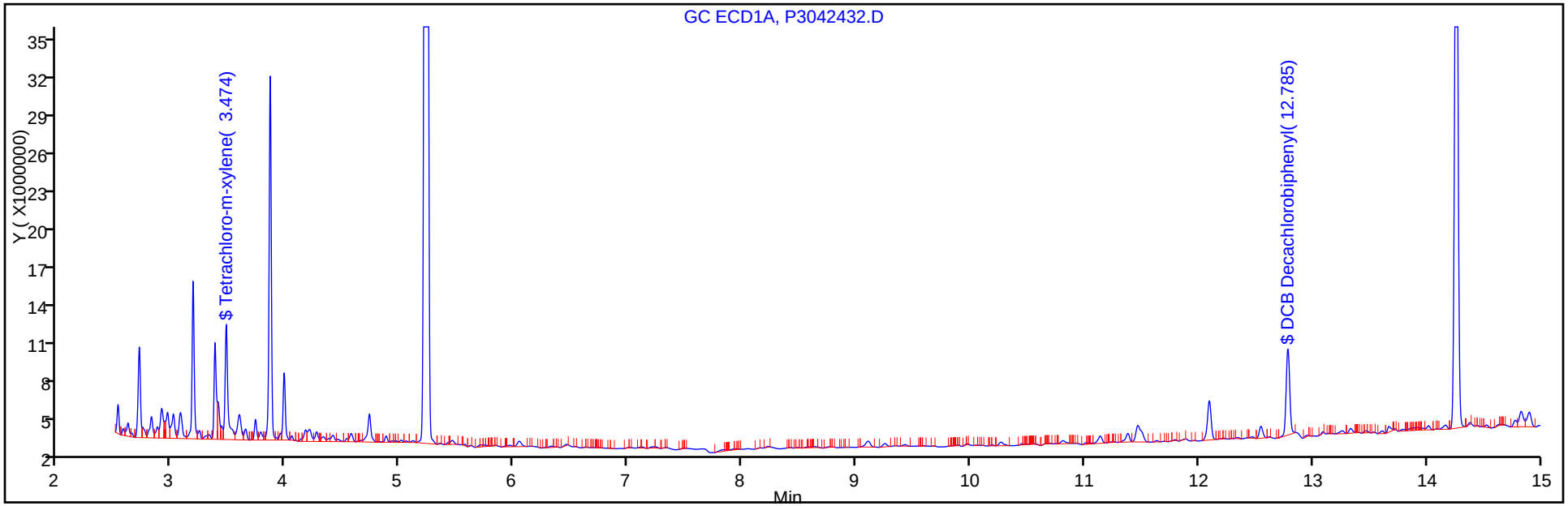
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TestAmerica Canton

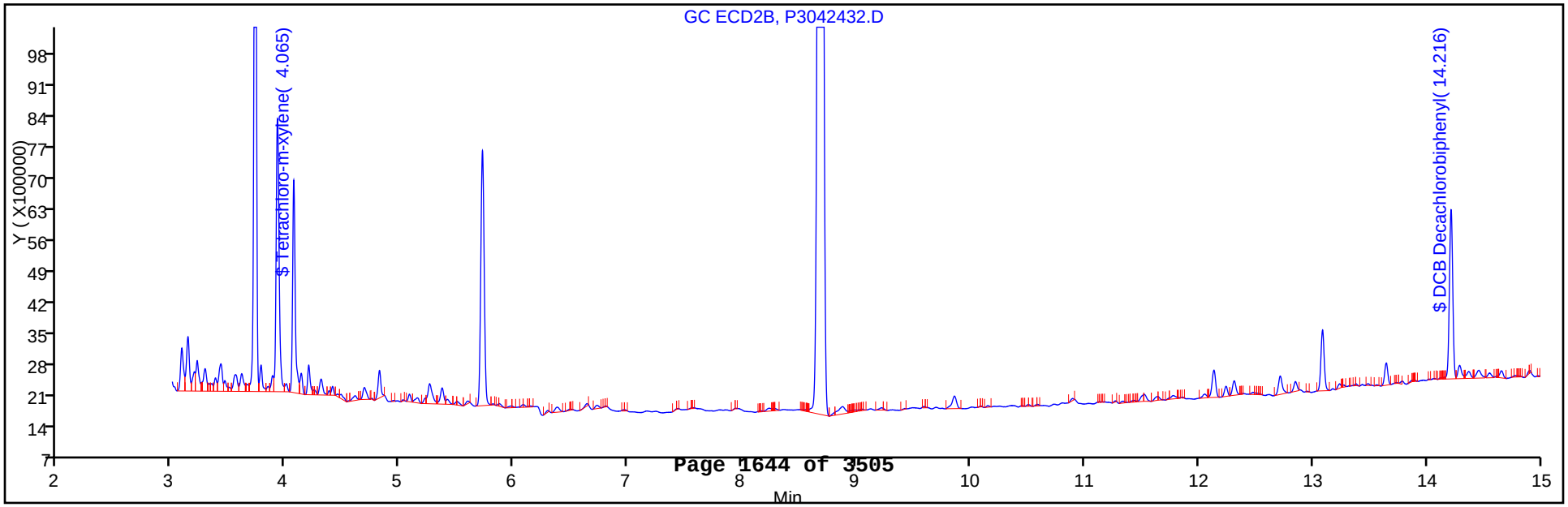
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042432.D

Injection Date:	24-Apr-2013 20:34:00	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0026M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	32
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0028M-0001-SO | Lab Sample ID: 240-22663-28

Matrix: Solid | Lab File ID: P3042021.D

Analysis Method: 8081/DOD | Date Collected: 04/01/2013 10:43

Extraction Method: 3540C | Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.15(g) | Date Analyzed: 04/20/2013 19:44

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.67*	*U*	*2.0*	0.67	*0.62*
72-55-9	*4,4'-DDE*	*0.67*	*U*	*1.7*	0.67	*0.39*
50-29-3	*4,4'-DDT*	*0.67*	*U*	*2.0*	0.67	*0.63*
309-00-2	*Aldrin*	*1.3*	*U*	*4.0*	1.3	*1.2*
319-84-6	*alpha-BHC*	*1.3*	*U*	*2.5*	1.3	*0.73*
5103-71-9	*alpha-Chlordane*	*1.3*	*U*	*3.0*	1.3	*0.94*
319-85-7	*beta-BHC*	*1.3*	*U*	*3.5*	1.3	*1.1*
319-86-8	*delta-BHC*	*1.3*	*U*	*4.0*	1.3	*1.2*
60-57-1	*Dieldrin*	*0.67*	*U*	*1.7*	0.67	*0.47*
959-98-8	*Endosulfan I*	*0.67*	*U*	*1.7*	0.67	*0.52*
33213-65-9	*Endosulfan II*	*1.3*	*U*	*2.5*	1.3	*0.82*
1031-07-8	*Endosulfan sulfate*	*1.3*	*U*	*3.0*	1.3	*0.87*
72-20-8	*Endrin*	*0.67*	*U*	*1.7*	0.67	*0.50*
7421-93-4	*Endrin aldehyde*	*1.3*	*U*	*3.0*	1.3	*1.0*
53494-70-5	*Endrin ketone*	*0.67*	*U*	*2.0*	0.67	*0.63*
58-89-9	*gamma-BHC (Lindane)*	*1.3*	*U*	*2.5*	1.3	*0.74*
5103-74-2	*gamma-Chlordane*	*0.67*	*U*	*1.7*	0.67	*0.42*
76-44-8	*Heptachlor*	*1.3*	*U*	*3.5*	1.3	*1.1*
1024-57-3	*Heptachlor epoxide*	*1.3*	*U*	*2.5*	1.3	*0.80*
72-43-5	*Methoxychlor*	*3.3*	*U*	*5.0*	3.3	*1.5*
8001-35-2	*Toxaphene*	*20*	*U*	*67*	20	*19*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	64		55-130
877-09-8	Tetrachloro-m-xylene	56	*Q*	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042021.D		
Lims ID:	240-22663-G-28-B	Client ID:	079SB-0028M-0001-SO
Inject. Date:	20-Apr-2013 19:44:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019105-021		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	82857	Lims Sample ID:	21
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m		
Last Update:	22-Apr-2013 10:31:04	Calib Date:	16-Apr-2013 14:58:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		
First Level Reviewer: shockr		Date:	22-Apr-2013 09:54:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.475	3.475	0.000	12268949	0.0112			
2	100	4.070	4.071	-0.001	7059617	0.0117			
						RPD = 4.70			
5 alpha-BHC									
1	100		4.164						
2	100		4.924						
20 gamma-BHC (Lindane)									
1	100		4.542						
2	100		5.506						
7 beta-BHC									
1	100		4.675						
2	100		5.692						
11 delta-BHC									
1	100		4.888						
2	100		6.274						
22 Heptachlor									1
1	100		5.170						
2	100		6.336						
4 Aldrin									
1	100		5.618						
2	100		7.082						
23 Heptachlor epoxide									
1	100		6.838						
2	100		8.582						
21 gamma-Chlordane									
1	100		7.138						
2	100		8.986						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.486						
2	100		9.296						
14 Endosulfan I									
1	100		7.763						
2	100		9.361						
2 4,4'-DDE									
1	100		7.866						
2	100		9.743						
13 Dieldrin									1
1	100		8.326						
2	100		9.891						
17 Endrin									
1	100		8.787						
2	100		10.412						
1 4,4'-DDD									
1	100		9.153						
2	100		10.754						
15 Endosulfan II									
1	100		9.240						
2	100		10.785						
3 4,4'-DDT									
1	100		9.681						
2	100		11.236						
18 Endrin aldehyde									
1	100		10.045						
2	100		11.353						
30 Toxaphene									
1	1		10.234						
1	2		10.577						
1	3		10.727						
1	4		11.144						
1	5		11.417						
2	100		10.338						
2	2		10.933						
2	3		11.356						
2	4		12.099						
2	5		12.662						
27 Methoxychlor									
1	100		10.641						
2	100		12.321						
16 Endosulfan sulfate									
1	100		10.774						
2	100		11.772						
19 Endrin ketone									
1	100		11.176						
2	100		12.522						
$ 10 DCB Decachlorobiphenyl									
1	100	12.795	12.796	-0.001	12266246	0.0128			
2	100	14.244	14.244	0.000	5804007	0.0121			

RPD = 5.63

QC Flag Legend

Processing Flags
1 - Missing Peaks

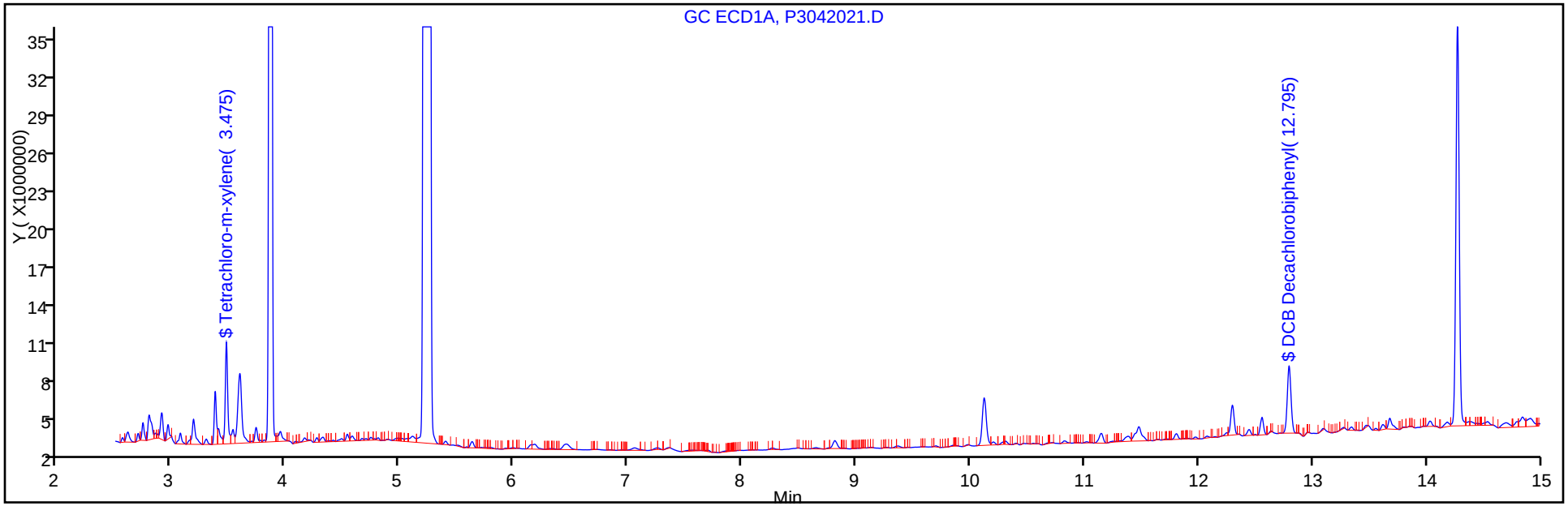
Report Date: 22-Apr-2013 10:31:10 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

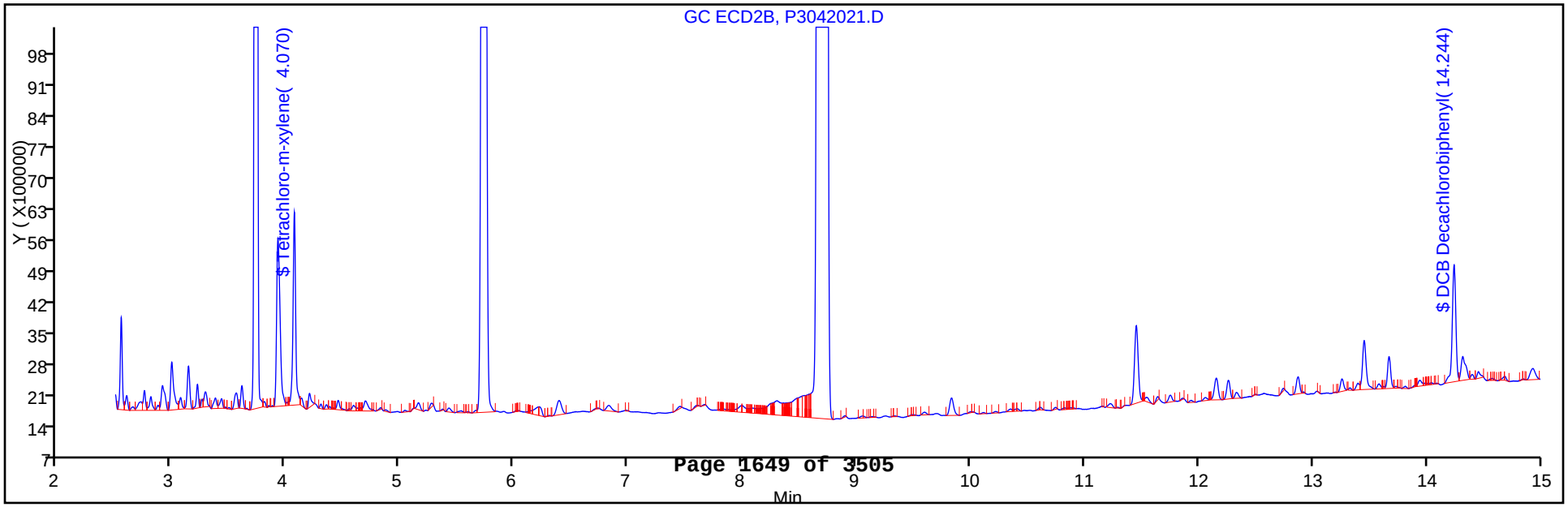
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042021.D

Injection Date:	20-Apr-2013 19:44:46	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0028M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0028M-0001-SO Lab Sample ID: 240-22663-28

Matrix: Solid Lab File ID: P3042021.D

Analysis Method: 8081/DOD Date Collected: 04/01/2013 10:43

Extraction Method: 3540C Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.15(g) Date Analyzed: 04/20/2013 19:44

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82857 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	60		55-130
877-09-8	Tetrachloro-m-xylene	58	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042021.D
Lims ID: 240-22663-G-28-B Client ID: 079SB-0028M-0001-SO
Inject. Date: 20-Apr-2013 19:44:46 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0019105-021
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 82857 Lims Sample ID: 21
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:31:04 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 22-Apr-2013 09:54:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.475	3.475	0.000	12268949	0.0112			
2	100	4.070	4.071	-0.001	7059617	0.0117			
						RPD = 4.70			
5 alpha-BHC									
1	100		4.164						
2	100		4.924						
20 gamma-BHC (Lindane)									
1	100		4.542						
2	100		5.506						
7 beta-BHC									
1	100		4.675						
2	100		5.692						
11 delta-BHC									
1	100		4.888						
2	100		6.274						
22 Heptachlor									1
1	100		5.170						
2	100		6.336						
4 Aldrin									
1	100		5.618						
2	100		7.082						
23 Heptachlor epoxide									
1	100		6.838						
2	100		8.582						
21 gamma-Chlordane									
1	100		7.138						
2	100		8.986						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.486						
2	100		9.296						
14 Endosulfan I									
1	100		7.763						
2	100		9.361						
2 4,4'-DDE									
1	100		7.866						
2	100		9.743						
13 Dieldrin									1
1	100		8.326						
2	100		9.891						
17 Endrin									
1	100		8.787						
2	100		10.412						
1 4,4'-DDD									
1	100		9.153						
2	100		10.754						
15 Endosulfan II									
1	100		9.240						
2	100		10.785						
3 4,4'-DDT									
1	100		9.681						
2	100		11.236						
18 Endrin aldehyde									
1	100		10.045						
2	100		11.353						
30 Toxaphene									
1	1		10.234						
1	2		10.577						
1	3		10.727						
1	4		11.144						
1	5		11.417						
2	100		10.338						
2	2		10.933						
2	3		11.356						
2	4		12.099						
2	5		12.662						
27 Methoxychlor									
1	100		10.641						
2	100		12.321						
16 Endosulfan sulfate									
1	100		10.774						
2	100		11.772						
19 Endrin ketone									
1	100		11.176						
2	100		12.522						
$ 10 DCB Decachlorobiphenyl									
1	100	12.795	12.796	-0.001	12266246	0.0128			
2	100	14.244	14.244	0.000	5804007	0.0121			

RPD = 5.63

QC Flag Legend

Processing Flags
1 - Missing Peaks

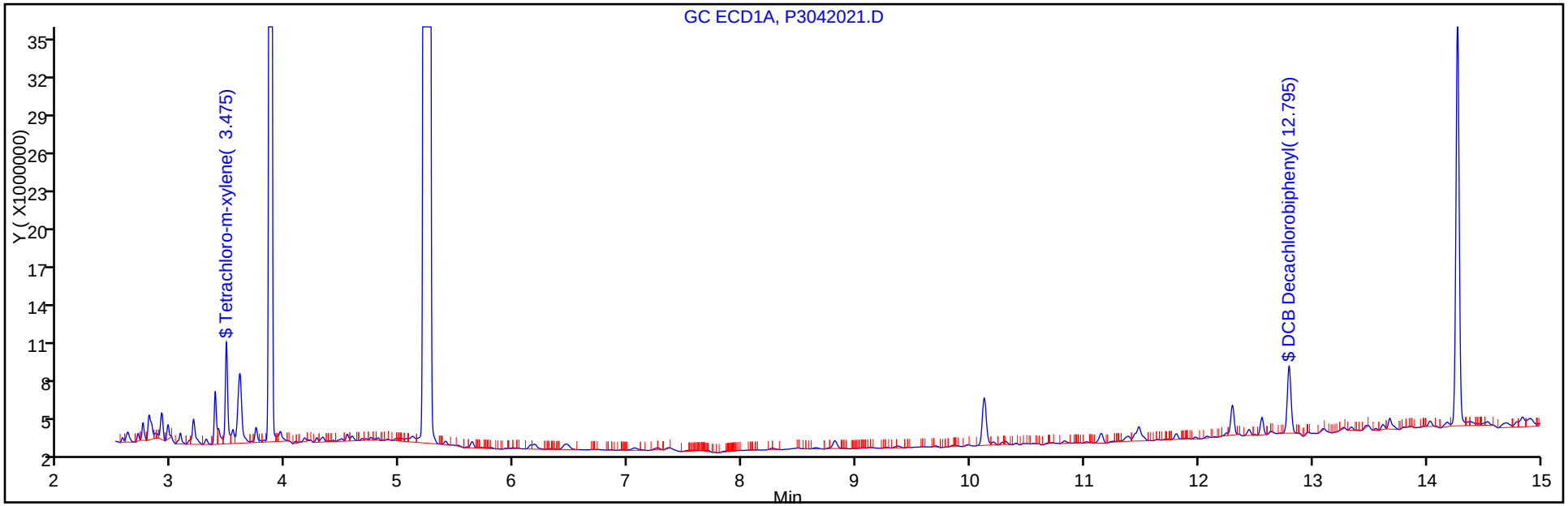
Report Date: 22-Apr-2013 10:31:10 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

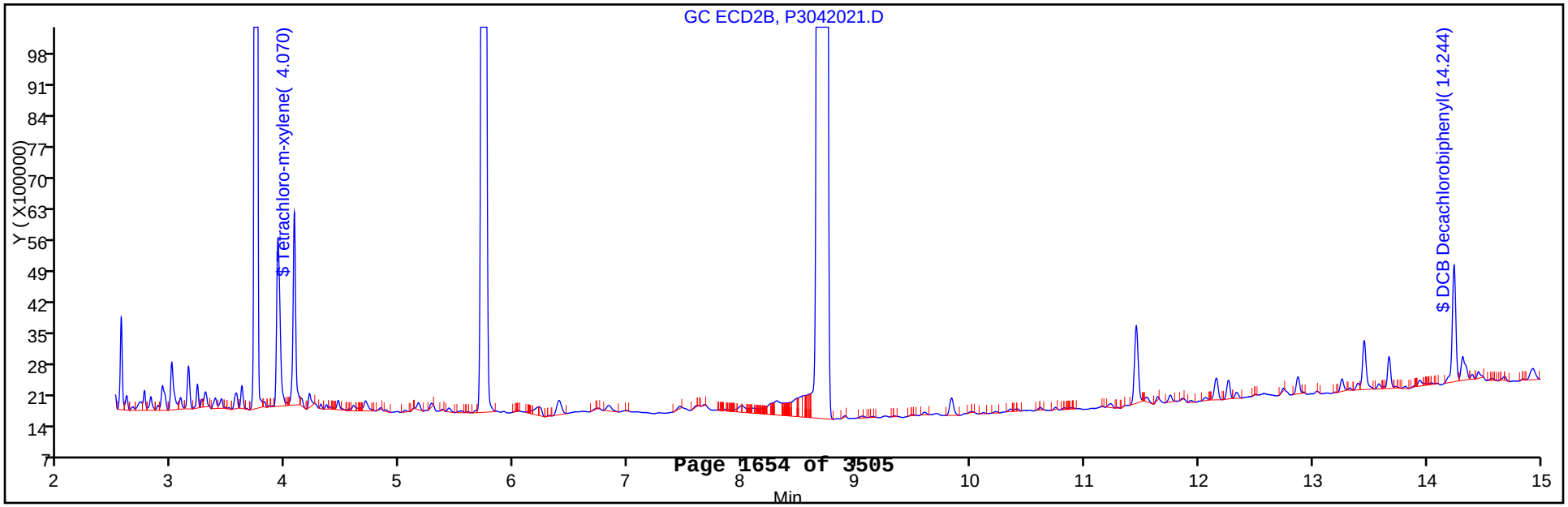
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042021.D

Injection Date:	20-Apr-2013 19:44:46	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0028M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0028M-0001-SO RE | Lab Sample ID: 240-22663-28 RE

Matrix: Solid | Lab File ID: P3042433.D

Analysis Method: 8081/DOD | Date Collected: 04/01/2013 10:43

Extraction Method: 3540C | Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.33(g) | Date Analyzed: 04/24/2013 20:54

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.66	U H	2.0	0.66	0.61
72-55-9	4,4'-DDE	0.66	U H	1.7	0.66	0.39
50-29-3	4,4'-DDT	0.66	U H	2.0	0.66	0.62
309-00-2	Aldrin	1.3	U H	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U H	2.5	1.3	0.72
5103-71-9	alpha-Chlordane	1.3	U H	3.0	1.3	0.93
319-85-7	beta-BHC	1.3	U H	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U H	4.0	1.3	1.2
60-57-1	Dieldrin	0.66	U H	1.7	0.66	0.46
959-98-8	Endosulfan I	0.66	U H	1.7	0.66	0.51
33213-65-9	Endosulfan II	1.3	U H	2.5	1.3	0.81
1031-07-8	Endosulfan sulfate	1.3	U H	3.0	1.3	0.86
72-20-8	Endrin	0.66	U H	1.7	0.66	0.49
7421-93-4	Endrin aldehyde	1.3	U H	3.0	1.3	0.99
53494-70-5	Endrin ketone	0.66	U H	2.0	0.66	0.62
58-89-9	gamma-BHC (Lindane)	1.3	U H	2.5	1.3	0.73
5103-74-2	gamma-Chlordane	0.66	U H	1.7	0.66	0.42
76-44-8	Heptachlor	1.3	U H	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U H	2.5	1.3	0.79
72-43-5	Methoxychlor	3.3	U H	4.9	3.3	1.5
8001-35-2	Toxaphene	20	U H	66	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	105		55-130
877-09-8	Tetrachloro-m-xylene	91		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042433.D		
Lims ID:	240-22663-G-28-F	Client ID:	079SB-0028M-0001-SO
Inject. Date:	24-Apr-2013 20:54:09	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019209-033		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	33
Lims Batch ID:	83400	Lims Sample ID:	33
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: shockr Date: 25-Apr-2013 07:18:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.473	3.471	0.002	16075704	0.0182			
2	100	4.066	4.064	0.002	8142761	0.0170			
						RPD = 7.16			
12 Diallate									
1	100		3.734						
1	2		4.041						
2	100		4.309						
2	2		4.644						
24 Hexachlorobenzene									
1	100		3.944						
2	100		4.681						
5 alpha-BHC									
1	100		4.159						
2	100		4.915						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.049						
1	2		5.898						
1	3		7.121						
1	4		7.462						
2	100		6.017						
2	2		7.584						
2	3		8.968						
2	4		9.279						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
26 Kepone									1
1	100		8.847						
2	100		10.561						
1 4,4'-DDD									
1	100		9.139						
2	100		10.736						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.225						
2	100		10.766						
9 Chlorobenzilate									
1	100		9.243						
2	100		10.562						
3 4,4'-DDT									
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.333						
30 Toxaphene									
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100		10.630						
2	100		12.299						
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						
19 Endrin ketone									
1	100		11.165						
2	100		12.501						
$ 10 DCB Decachlorobiphenyl									
1	100	12.785	12.787	-0.002	17414816	0.0211			
2	100	14.217	14.217	0.000	8478224	0.0196			
						RPD = 7.01			

QC Flag Legend

Processing Flags
1 - Missing Peaks

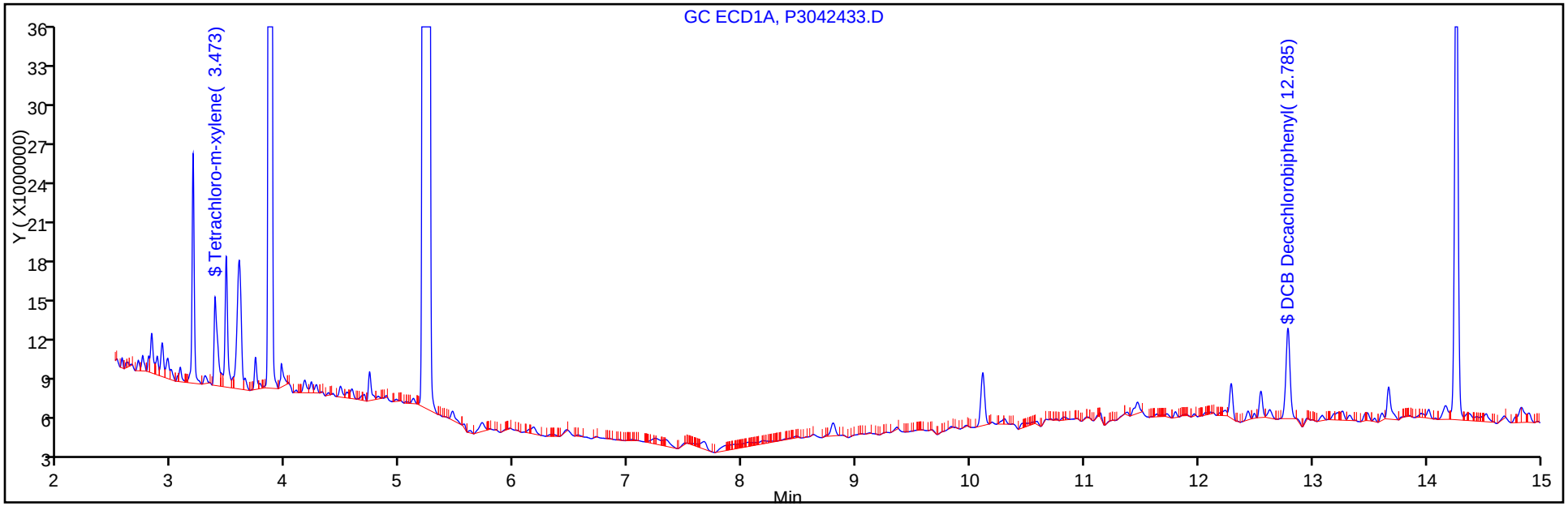
Report Date: 25-Apr-2013 07:51:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

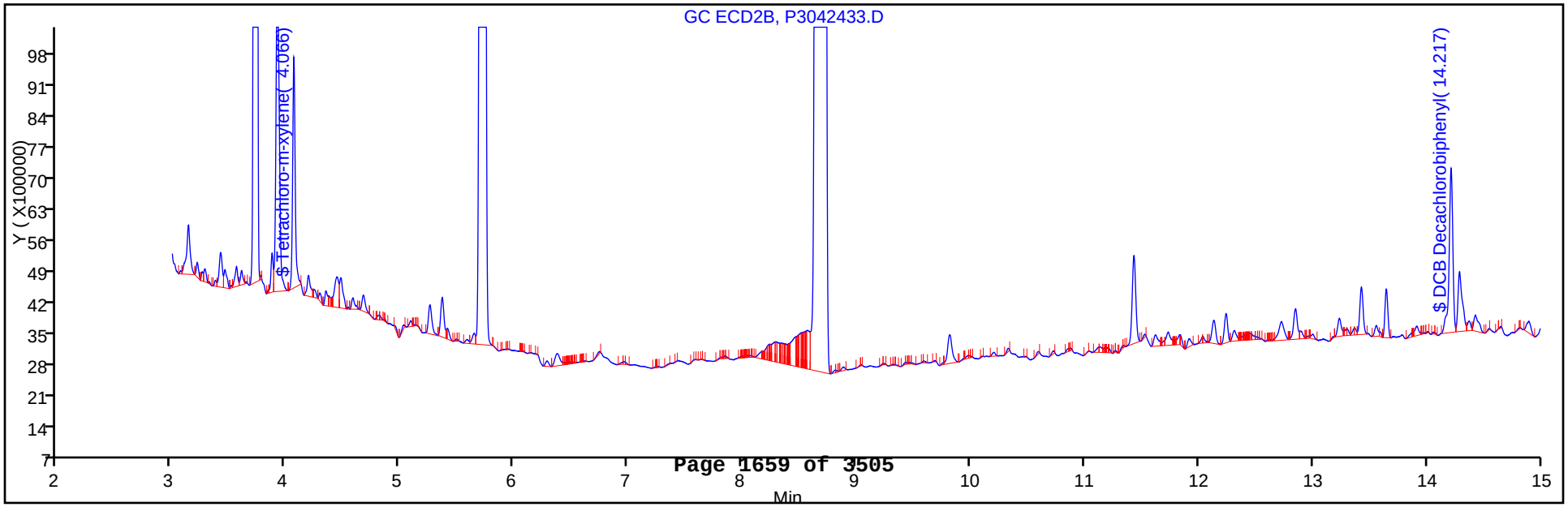
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042433.D

Injection Date:	24-Apr-2013 20:54:09	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0028M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	33
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: 079SB-0028M-0001-SO RE Lab Sample ID: 240-22663-28 RE

Matrix: Solid Lab File ID: P3042433.D

Analysis Method: 8081/DOD Date Collected: 04/01/2013 10:43

Extraction Method: 3540C Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.33(g) Date Analyzed: 04/24/2013 20:54

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	98		55-130
877-09-8	Tetrachloro-m-xylene	85		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042433.D		
Lims ID:	240-22663-G-28-F	Client ID:	079SB-0028M-0001-SO
Inject. Date:	24-Apr-2013 20:54:09	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0019209-033		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	33
Lims Batch ID:	83400	Lims Sample ID:	33
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		
First Level Reviewer: shockr		Date:	25-Apr-2013 07:18:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.473	3.471	0.002	16075704	0.0182			
2	100	4.066	4.064	0.002	8142761	0.0170			
						RPD = 7.16			
12 Diallate									
1	100		3.734						
1	2		4.041						
2	100		4.309						
2	2		4.644						
24 Hexachlorobenzene									
1	100		3.944						
2	100		4.681						
5 alpha-BHC									
1	100		4.159						
2	100		4.915						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.049						
1	2		5.898						
1	3		7.121						
1	4		7.462						
2	100		6.017						
2	2		7.584						
2	3		8.968						
2	4		9.279						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
26 Kepone									1
1	100		8.847						
2	100		10.561						
1 4,4'-DDD									
1	100		9.139						
2	100		10.736						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.225						
2	100		10.766						
9 Chlorobenzilate									
1	100		9.243						
2	100		10.562						
3 4,4'-DDT									
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.333						
30 Toxaphene									
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100		10.630						
2	100		12.299						
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						
19 Endrin ketone									
1	100		11.165						
2	100		12.501						
$ 10 DCB Decachlorobiphenyl									
1	100	12.785	12.787	-0.002	17414816	0.0211			
2	100	14.217	14.217	0.000	8478224	0.0196			
						RPD = 7.01			

QC Flag Legend

Processing Flags
1 - Missing Peaks

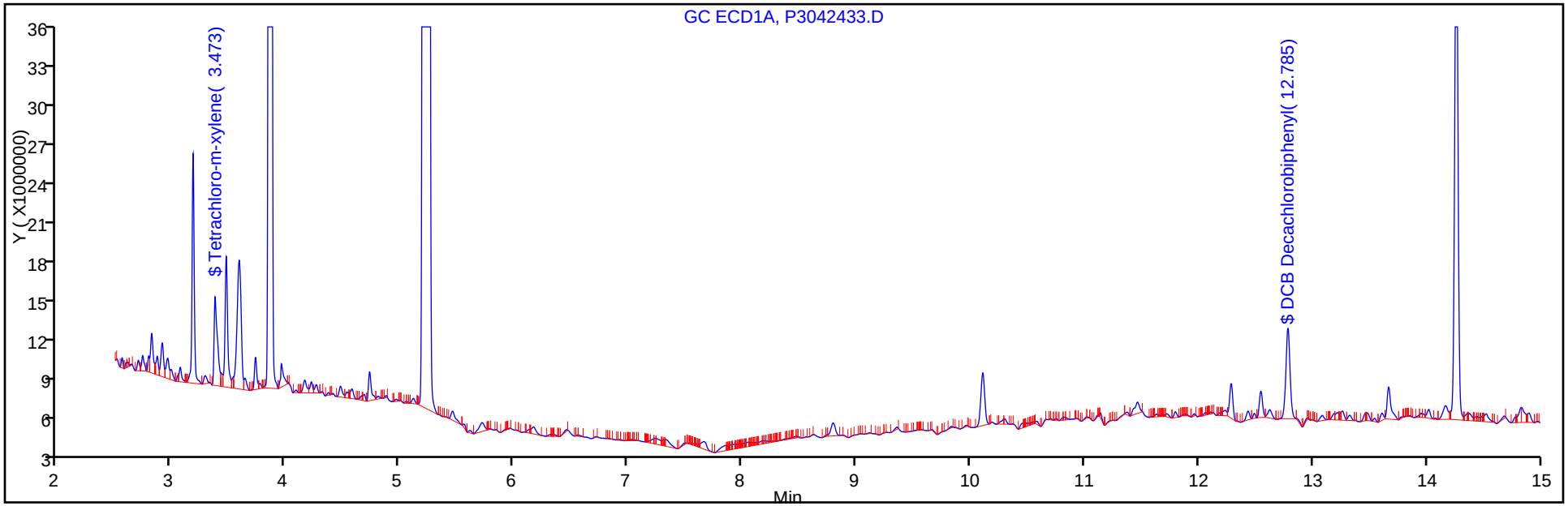
Report Date: 25-Apr-2013 07:51:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

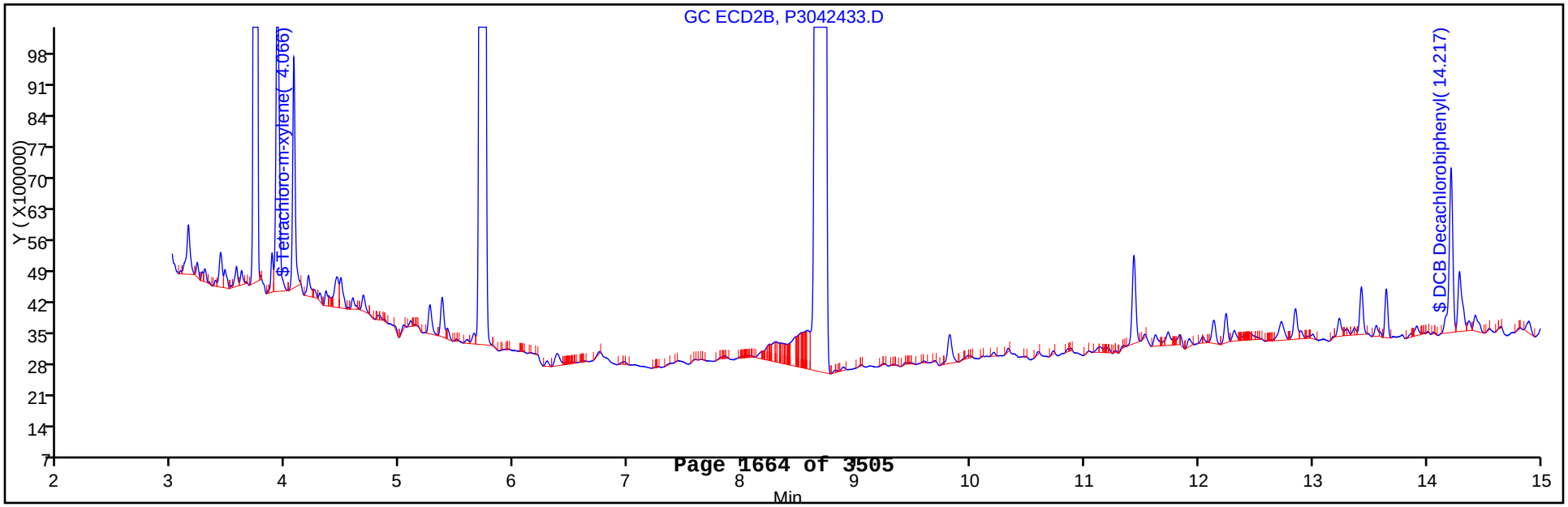
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042433.D

Injection Date:	24-Apr-2013 20:54:09	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SB-0028M-0001-SO	Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	33
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 14:20 Calibration End Date: 03/14/2013 16:00 Calibration ID: 14138

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/13	P3031413.D
Level 2	STD 240-78295/14	P3031414.D
Level 3	STD 240-78295/15	P3031415.D
Level 4	STD 240-78295/16	P3031416.D
Level 5	STD 240-78295/17	P3031417.D
Level 6	STD 240-78295/18	P3031418.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.255	4.255	4.255	4.255	4.256	4.255					4.225 - 4.285	4.255
gamma-BHC (Lindane)	4.643	4.642	4.643	4.643	4.643	4.642					4.613 - 4.673	4.643
beta-BHC	4.777	4.777	4.777	4.777	4.777	4.777					4.747 - 4.807	4.777
delta-BHC	4.998	4.999	4.999	4.998	4.998	4.999					4.969 - 5.029	4.999
Heptachlor	5.293	5.293	5.293	5.293	5.294	5.293					5.263 - 5.323	5.293
Aldrin	5.761	5.761	5.761	5.760	5.761	5.761					5.731 - 5.791	5.761
Heptachlor epoxide	7.038	7.038	7.039	7.038	7.038	7.038					7.009 - 7.069	7.038
gamma-Chlordane	7.354	7.354	7.355	7.353	7.353	7.354					7.325 - 7.385	7.354
alpha-Chlordane	7.695	7.696	7.695	7.694	7.697	7.697					7.665 - 7.725	7.696
Endosulfan I	7.967	7.967	7.965	7.967	7.967	7.967					7.935 - 7.995	7.967
4,4'-DDE	8.060	8.061	8.060	8.060	8.059	8.060					8.030 - 8.090	8.060
Dieldrin	8.515	8.518	8.517	8.516	8.518	8.517					8.487 - 8.547	8.517
Endrin	8.966	8.968	8.966	8.965	8.966	8.966					8.936 - 8.996	8.966
4,4'-DDD	9.318	9.319	9.318	9.319	9.319	9.320					9.288 - 9.348	9.319
Endosulfan II	9.411	9.412	9.411	9.410	9.411	9.411					9.381 - 9.441	9.411
4,4'-DDT	9.836	9.835	9.835	9.834	9.837	9.835					9.805 - 9.865	9.835
Endrin aldehyde	10.202	10.202	10.201	10.200	10.201	10.202					10.171 - 10.231	10.201
Methoxychlor	10.778	10.781	10.780	10.780	10.780	10.780					10.750 - 10.810	10.780
Endosulfan sulfate	10.923	10.924	10.925	10.923	10.924	10.924					10.895 - 10.955	10.924
Endrin ketone	11.323	11.321	11.322	11.322	11.323	11.321					11.292 - 11.352	11.322
Tetrachloro-m-xylene	3.565	3.564	3.565	3.564	3.564	3.565					3.535 - 3.595	3.565
DCB Decachlorobiphenyl	12.928	12.929	12.929	12.930	12.930	12.928					12.899 - 12.959	12.929

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 14:20 Calibration End Date: 03/14/2013 16:00 Calibration ID: 14138

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/13	P3031413.D
Level 2	STD 240-78295/14	P3031414.D
Level 3	STD 240-78295/15	P3031415.D
Level 4	STD 240-78295/16	P3031416.D
Level 5	STD 240-78295/17	P3031417.D
Level 6	STD 240-78295/18	P3031418.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	1544769800 1690692800	1524899800 1672417590	1644364640	1665099600	Ave		1623707372				4.4		20.0			
gamma-BHC (Lindane)	1417744400 1501926510	1378442900 1481973740	1468554520	1482578700	Ave		1455203462				3.2		20.0			
beta-BHC	678196400 600546050	624566600 590400845	615022400	602187540	Ave		618486639				5.1		20.0			
delta-BHC	1404369000 1552117740	1378180300 1534786665	1494198800	1517528980	Ave		1480196914				4.9		20.0			
Heptachlor	1288833600 1316203450	1237078800 1281109570	1297983120	1307145780	Ave		1288059053				2.2		20.0			
Aldrin	1350281400 1398310960	1289978400 1373043395	1370533640	1377777840	Ave		1359987606				2.8		20.0			
Heptachlor epoxide	1280655800 1236075190	1206356600 1200415095	1233572120	1222850640	Ave		1229987574				2.3		20.0			
gamma-Chlordane	1286423200 1294621690	1203639700 1290675280	1249806640	1255788880	Ave		1263492565				2.8		20.0			
alpha-Chlordane	1325189600 1306126340	1254470500 1294410275	1278767600	1279252660	Ave		1289702829				1.9		20.0			
Endosulfan I	1206226800 1162654990	1120315700 1129918135	1149599160	1147106020	Ave		1152636801				2.6		20.0			
4,4'-DDE	1240758800 1322668830	1184579600 1315693210	1252161800	1283169120	Ave		1266505227				4.1		20.0			
Dieldrin	1257225600 1308452920	1207129500 1279917105	1271915720	1285901660	Ave		1268423751				2.7		20.0			
Endrin	1196360800 1213622860	1144530800 1176253715	1200121440	1203943800	Ave		1189138903				2.1		20.0			
4,4'-DDD	945067600 1014758370	904031600 1012783375	964648160	980653040	Ave		970323691				4.4		20.0			
Endosulfan II	1138061000 1101688000	1063426300 1072290315	1100547240	1091431080	Ave		1094573989				2.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 14:20 Calibration End Date: 03/14/2013 16:00 Calibration ID: 14138

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	911290800 958993380	861675100 963505760	908985640	928813980	Ave		922210777				4.1		20.0			
Endrin aldehyde	943808800 870453990	870258300 845513910	879537280	874618680	Ave		880698493				3.8		20.0			
Methoxychlor	509085400 440176890	473070400 430410895	460264440	455509000	Ave		461419504				6.0		20.0			
Endosulfan sulfate	1045223000 970494050	973968700 946241900	974521640	975919460	Ave		981061458				3.4		20.0			
Endrin ketone	1201932400 1137969370	1134181200 1098332050	1152991760	1142482520	Ave		1144648217				2.9		20.0			
Tetrachloro-m-xylene	1157227800 1084982200	1085397000 1064616540	1110185480	1098572060	Ave		1100163513				2.9		20.0			
DCB Decachlorobiphenyl	1090868000 909471330	989344400 889526895	954699080	927521040	Ave		960238458				7.6		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 14:20 Calibration End Date: 03/14/2013 16:00 Calibration ID: 14138

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/13	P3031413.D
Level 2	STD 240-78295/14	P3031414.D
Level 3	STD 240-78295/15	P3031415.D
Level 4	STD 240-78295/16	P3031416.D
Level 5	STD 240-78295/17	P3031417.D
Level 6	STD 240-78295/18	P3031418.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	7723849 334483518	15248998	41109116	83254980	169069280	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	7088722 296394748	13784429	36713863	74128935	150192651	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	3390982 118080169	6245666	15375560	30109377	60054605	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	7021845 306957333	13781803	37354970	75876449	155211774	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	6444168 256221914	12370788	32449578	65357289	131620345	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	6751407 274608679	12899784	34263341	68888892	139831096	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	6403279 240083019	12063566	30839303	61142532	123607519	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	6432116 258135056	12036397	31245166	62789444	129462169	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	6625948 258882055	12544705	31969190	63962633	130612634	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	6031134 225983627	11203157	28739979	57355301	116265499	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	6203794 263138642	11845796	31304045	64158456	132266883	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	6286128 255983421	12071295	31797893	64295083	130845292	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	5981804 235250743	11445308	30003036	60197190	121362286	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	4725338 202556675	9040316	24116204	49032652	101475837	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	5690305 214458063	10634263	27513681	54571554	110168800	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	4556454 192701152	8616751	22724641	46440699	95899338	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 14:20 Calibration End Date: 03/14/2013 16:00 Calibration ID: 14138

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	4719044 169102782	8702583	21988432	43730934	87045399	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	2545427 86082179	4730704	11506611	22775450	44017689	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	5226115 189248380	9739687	24363041	48795973	97049405	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	6009662 219666410	11341812	28824794	57124126	113796937	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	5786139 212923308	10853970	27754637	54928603	108498220	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	5454340 177905379	9893444	23867477	46376052	90947133	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031413.D		
Lims ID:	STD AB L1	Client ID:	
Inject. Date:	14-Mar-2013 14:20:21	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0017984-013		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	78295	Lims Sample ID:	13
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:30	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		
First Level Reviewer: shockr		Date:	14-Mar-2013 14:44:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.565	3.565	0.000	5786139	0.005259			
2	100	4.180	4.180	0.000	3011824	0.004987			
						RPD = 5.32			
5 alpha-BHC									
1	100	4.255	4.255	0.000	7723849	0.004757			
2	100	5.068	5.068	0.000	3454865	0.004487			
						RPD = 5.83			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	7088722	0.004871			
2	100	5.688	5.688	0.000	3183529	0.004702			
						RPD = 3.54			
7 beta-BHC									
1	100	4.777	4.777	0.000	3390982	0.005483			
2	100	5.883	5.883	0.000	1601411	0.005416			
						RPD = 1.23			
11 delta-BHC									
1	100	4.998	4.999	-0.001	7021845	0.004744			
2	100	6.508	6.508	0.000	3208106	0.004612			
						RPD = 2.82			
22 Heptachlor									
1	100	5.293	5.293	0.000	6444168	0.005003			
2	100	6.579	6.580	-0.001	2883043	0.004945			
						RPD = 1.16			
4 Aldrin									
1	100	5.761	5.761	0.000	6751407	0.004964			
2	100	7.382	7.382	0.000	3202302	0.004808			
						RPD = 3.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	6403279	0.005206			
2	100	8.821	8.821	0.000	2933899	0.005047			
						RPD = 3.10			
21 gamma-Chlordane									
1	100	7.354	7.355	-0.001	6432116	0.005091			
2	100	9.211	9.210	0.001	2883307	0.004915			
						RPD = 3.51			
6 alpha-Chlordane									
1	100	7.695	7.695	0.000	6625948	0.005138			
2	100	9.513	9.511	0.002	3025984	0.004958			
						RPD = 3.56			
14 Endosulfan I									
1	100	7.967	7.965	0.002	6031134	0.005232			
2	100	9.577	9.578	-0.001	2669936	0.005025			
						RPD = 4.04			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	6203794	0.004898			
2	100	9.940	9.940	0.000	2826430	0.004635			
						RPD = 5.53			
13 Dieldrin									
1	100	8.515	8.517	-0.002	6286128	0.004956			
2	100	10.093	10.092	0.001	2836740	0.004773			
						RPD = 3.77			
17 Endrin									
1	100	8.966	8.966	0.000	5981804	0.005030			
2	100	10.608	10.608	0.000	2601220	0.004855			
						RPD = 3.55			
1 4,4'-DDD									
1	100	9.318	9.318	0.000	4725338	0.004870			
2	100	10.930	10.930	0.000	2010016	0.004701			
						RPD = 3.52			
15 Endosulfan II									
1	100	9.411	9.411	0.000	5690305	0.005199			
2	100	10.975	10.975	0.000	2471875	0.005092			
						RPD = 2.08			
3 4,4'-DDT									
1	100	9.836	9.835	0.001	4556454	0.004941			
2	100	11.411	11.410	0.001	1917038	0.004847			
						RPD = 1.93			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	4719044	0.005358			
2	100	11.533	11.532	0.001	2051347	0.005192			
						RPD = 3.15			
27 Methoxychlor									
1	100	10.778	10.780	-0.002	2545427	0.005517			
2	100	12.487	12.487	0.000	1067535	0.005351			
						RPD = 3.05			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.923	10.925	-0.002	5226115	0.005327			
2	100	11.949	11.948	0.001	2308704	0.005221			
						RPD = 2.02			
19 Endrin ketone									
1	100	11.323	11.322	0.001	6009662	0.005250			
2	100	12.700	12.699	0.001	2606409	0.005197			
						RPD = 1.02			
$ 10 DCB Decachlorobiphenyl									
1	100	12.928	12.929	-0.001	5454340	0.005680			
2	100	14.416	14.415	0.001	2781857	0.005787			
						RPD = 1.86			

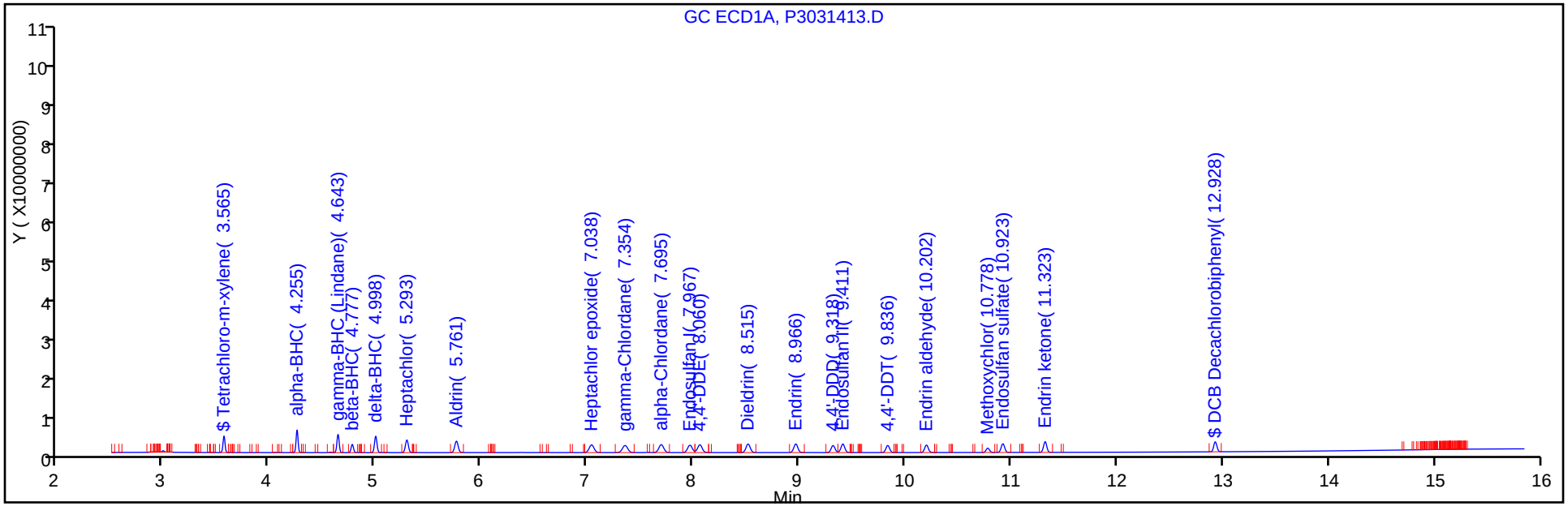
Report Date: 15-Mar-2013 07:54:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

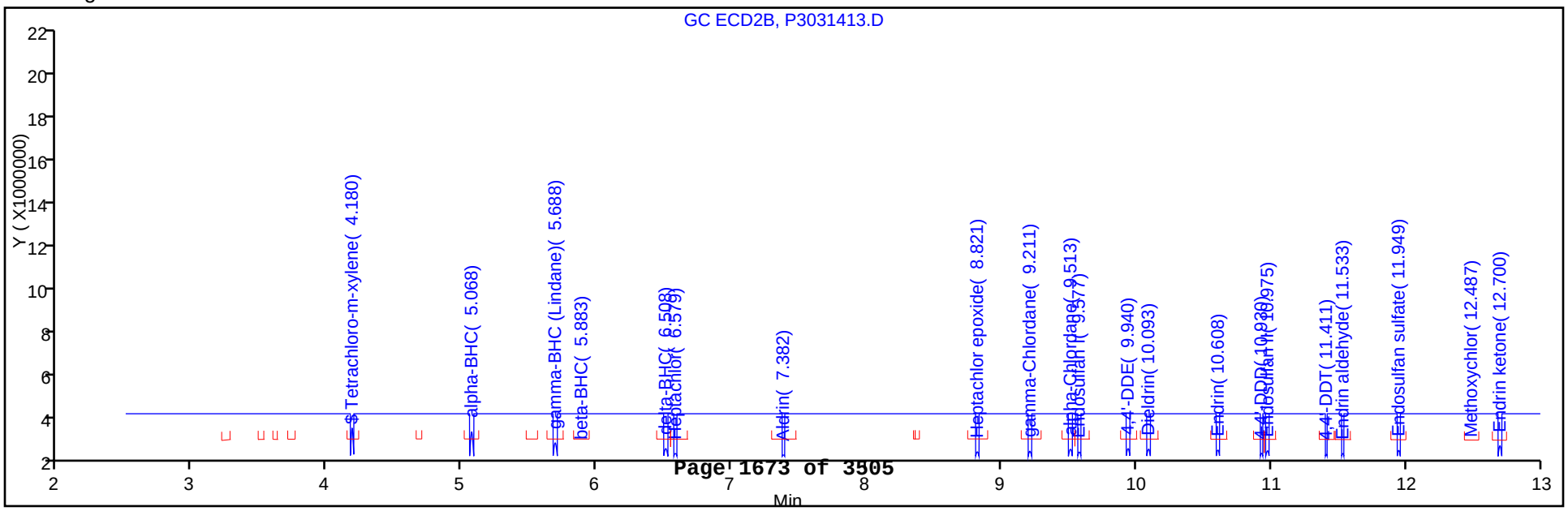
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031413.D

Injection Date:	14-Mar-2013 14:20:21	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	13
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031414.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 14-Mar-2013 14:40:20 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0017984-014
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 78295 Lims Sample ID: 14
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:32 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	10853970	0.009866			
2	100	4.179	4.180	-0.001	5702672	0.009442			
						RPD = 4.39			
5 alpha-BHC									
1	100	4.255	4.255	0.000	15248998	0.009391			
2	100	5.068	5.068	0.000	6853421	0.008901			
						RPD = 5.36			
20 gamma-BHC (Lindane)									
1	100	4.642	4.643	-0.001	13784429	0.009473			
2	100	5.686	5.688	-0.002	6168534	0.009111			
						RPD = 3.89			
7 beta-BHC									
1	100	4.777	4.777	0.000	6245666	0.0101			
2	100	5.883	5.883	0.000	2970864	0.0100			
						RPD = 0.51			
11 delta-BHC									
1	100	4.999	4.999	0.000	13781803	0.009311			
2	100	6.507	6.508	-0.001	6236042	0.008965			
						RPD = 3.79			
22 Heptachlor									
1	100	5.293	5.293	0.000	12370788	0.009604			
2	100	6.579	6.580	-0.001	5428603	0.009312			
						RPD = 3.09			
4 Aldrin									
1	100	5.761	5.761	0.000	12899784	0.009485			
2	100	7.381	7.382	-0.001	6142993	0.009223			
						RPD = 2.81			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	12063566	0.009808			
2	100	8.822	8.821	0.001	5518990	0.009494			
						RPD = 3.25			
21 gamma-Chlordane									
1	100	7.354	7.355	-0.001	12036397	0.009526			
2	100	9.213	9.210	0.003	5470133	0.009325			
						RPD = 2.13			
6 alpha-Chlordane									
1	100	7.696	7.695	0.001	12544705	0.009727			
2	100	9.512	9.511	0.001	5720847	0.009373			
						RPD = 3.70			
14 Endosulfan I									
1	100	7.967	7.965	0.002	11203157	0.009720			
2	100	9.579	9.578	0.001	5007678	0.009425			
						RPD = 3.08			
2 4,4'-DDE									
1	100	8.061	8.060	0.001	11845796	0.009353			
2	100	9.940	9.940	0.000	5500244	0.009019			
						RPD = 3.64			
13 Dieldrin									
1	100	8.518	8.517	0.001	12071295	0.009517			
2	100	10.092	10.092	0.000	5437292	0.009148			
						RPD = 3.95			
17 Endrin									
1	100	8.968	8.966	0.002	11445308	0.009625			
2	100	10.608	10.608	0.000	4964610	0.009266			
						RPD = 3.80			
1 4,4'-DDD									
1	100	9.319	9.318	0.001	9040316	0.009317			
2	100	10.929	10.930	-0.001	3843604	0.008990			
						RPD = 3.57			
15 Endosulfan II									
1	100	9.412	9.411	0.001	10634263	0.009715			
2	100	10.974	10.975	-0.001	4665020	0.009609			
						RPD = 1.10			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	8616751	0.009344			
2	100	11.412	11.410	0.002	3637635	0.009196			
						RPD = 1.59			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	8702583	0.009881			
2	100	11.533	11.532	0.001	3823662	0.009678			
						RPD = 2.08			
27 Methoxychlor									
1	100	10.781	10.780	0.001	4730704	0.0103			
2	100	12.486	12.487	-0.001	2005309	0.0101			
						RPD = 1.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	9739687	0.0099			
2	100	11.949	11.948	0.001	4287527	0.009695			
						RPD = 2.37			
19 Endrin ketone									
1	100	11.321	11.322	-0.001	11341812	0.0099			
2	100	12.699	12.699	0.000	4880140	0.009730			
						RPD = 1.82			
$ 10 DCB Decachlorobiphenyl									
1	100	12.929	12.929	0.000	9893444	0.0103			
2	100	14.415	14.415	0.000	4961295	0.0103			
						RPD = 0.17			

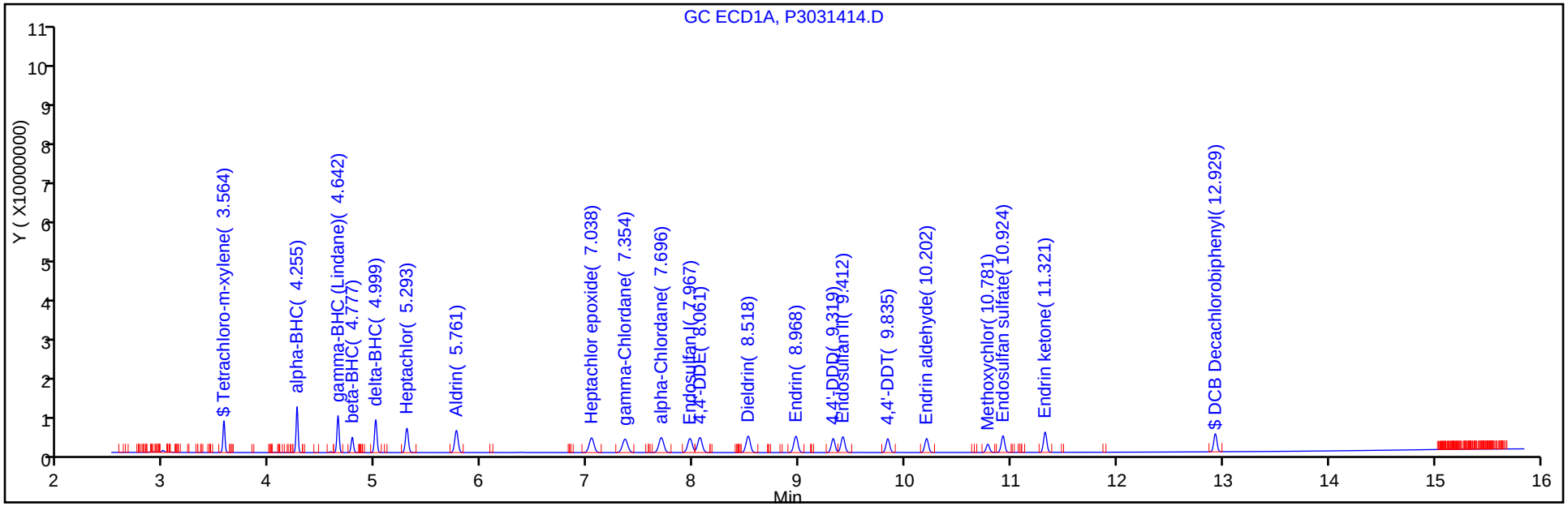
Report Date: 15-Mar-2013 07:54:33 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

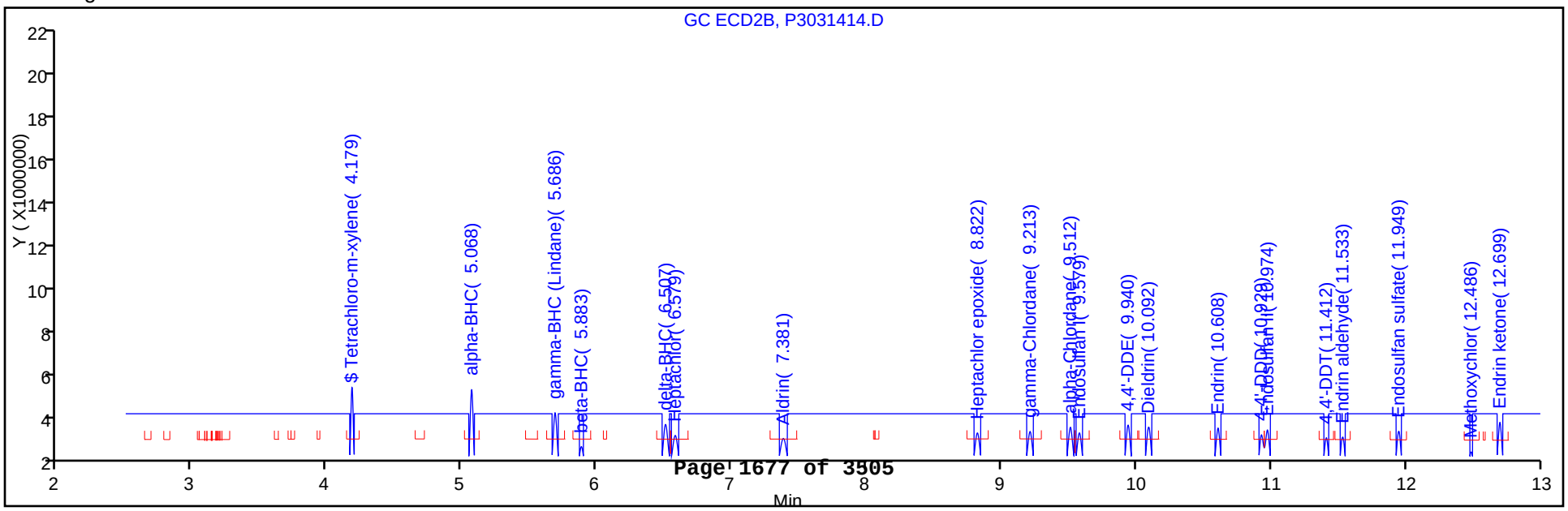
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Injection Date:	14-Mar-2013 14:40:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	14
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031415.D		
Lims ID:	STD AB L3	Client ID:	
Inject. Date:	14-Mar-2013 15:00:19	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0017984-015		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	78295	Lims Sample ID:	15
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:34	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		
First Level Reviewer: shockr		Date:	14-Mar-2013 15:41:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.565	3.565	0.000	27754637	0.0252			
2	100	4.180	4.180	0.000	14906362	0.0247			
						RPD = 2.19			
5 alpha-BHC									
1	100	4.255	4.255	0.000	41109116	0.0253			
2	100	5.068	5.068	0.000	18954736	0.0246			
						RPD = 2.80			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	36713863	0.0252			
2	100	5.688	5.688	0.000	16553033	0.0244			
						RPD = 3.14			
7 beta-BHC									
1	100	4.777	4.777	0.000	15375560	0.0249			
2	100	5.883	5.883	0.000	7291460	0.0247			
						RPD = 0.82			
11 delta-BHC									
1	100	4.999	4.999	0.000	37354970	0.0252			
2	100	6.508	6.508	0.000	16933296	0.0243			
						RPD = 3.61			
22 Heptachlor									
1	100	5.293	5.293	0.000	32449578	0.0252			
2	100	6.580	6.580	0.000	14236051	0.0244			
						RPD = 3.12			
4 Aldrin									
1	100	5.761	5.761	0.000	34263341	0.0252			
2	100	7.382	7.382	0.000	16200307	0.0243			
						RPD = 3.52			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.039	7.039	0.000	30839303	0.0251			
2	100	8.821	8.821	0.000	14246942	0.0245			
						RPD = 2.28			
21 gamma-Chlordane									
1	100	7.355	7.355	0.000	31245166	0.0247			
2	100	9.210	9.210	0.000	14290617	0.0244			
						RPD = 1.50			
6 alpha-Chlordane									M
1	100	7.695	7.695	0.000	31969190	0.0248			M
2	100	9.511	9.511	0.000	14946818	0.0245			
						RPD = 1.21			
14 Endosulfan I									
1	100	7.965	7.965	0.000	28739979	0.0249			
2	100	9.578	9.578	0.000	12998289	0.0245			
						RPD = 1.90			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	31304045	0.0247			
2	100	9.940	9.940	0.000	14909439	0.0244			
						RPD = 1.10			
13 Dieldrin									
1	100	8.517	8.517	0.000	31797893	0.0251			
2	100	10.092	10.092	0.000	14570978	0.0245			
						RPD = 2.24			
17 Endrin									
1	100	8.966	8.966	0.000	30003036	0.0252			
2	100	10.608	10.608	0.000	13183902	0.0246			
						RPD = 2.51			
1 4,4'-DDD									
1	100	9.318	9.318	0.000	24116204	0.0249			
2	100	10.930	10.930	0.000	10482730	0.0245			
						RPD = 1.36			
15 Endosulfan II									
1	100	9.411	9.411	0.000	27513681	0.0251			
2	100	10.975	10.975	0.000	11876887	0.0245			
						RPD = 2.71			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	22724641	0.0246			
2	100	11.410	11.410	0.000	9589094	0.0242			
						RPD = 1.63			
18 Endrin aldehyde									
1	100	10.201	10.201	0.000	21988432	0.0250			
2	100	11.532	11.532	0.000	9668493	0.0245			
						RPD = 2.00			
27 Methoxychlor									
1	100	10.780	10.780	0.000	11506611	0.0249			
2	100	12.487	12.487	0.000	4949088	0.0248			
						RPD = 0.53			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.925	10.925	0.000	24363041	0.0248			
2	100	11.948	11.948	0.000	10831997	0.0245			
						RPD = 1.38			
19 Endrin ketone									
1	100	11.322	11.322	0.000	28824794	0.0252			
2	100	12.699	12.699	0.000	12376918	0.0247			
						RPD = 2.02			
$ 10 DCB Decachlorobiphenyl									
1	100	12.929	12.929	0.000	23867477	0.0249			
2	100	14.415	14.415	0.000	11801499	0.0246			
						RPD = 1.23			

QC Flag Legend

Review Flags
M - Manually Integrated

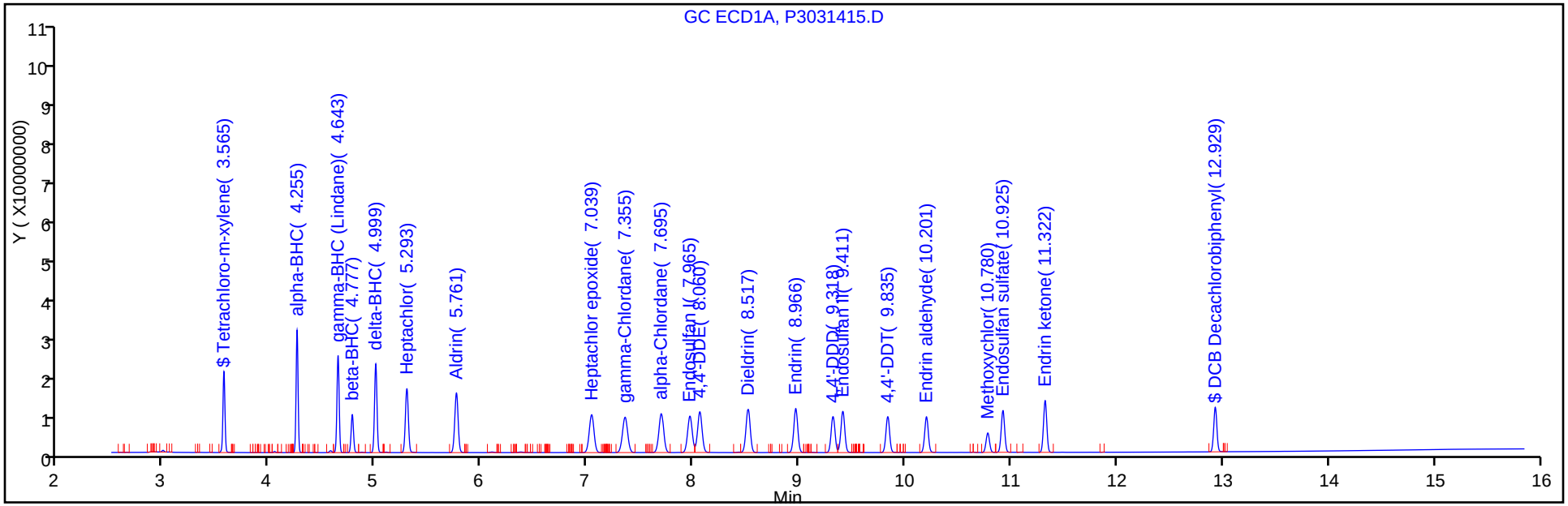
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TestAmerica Canton

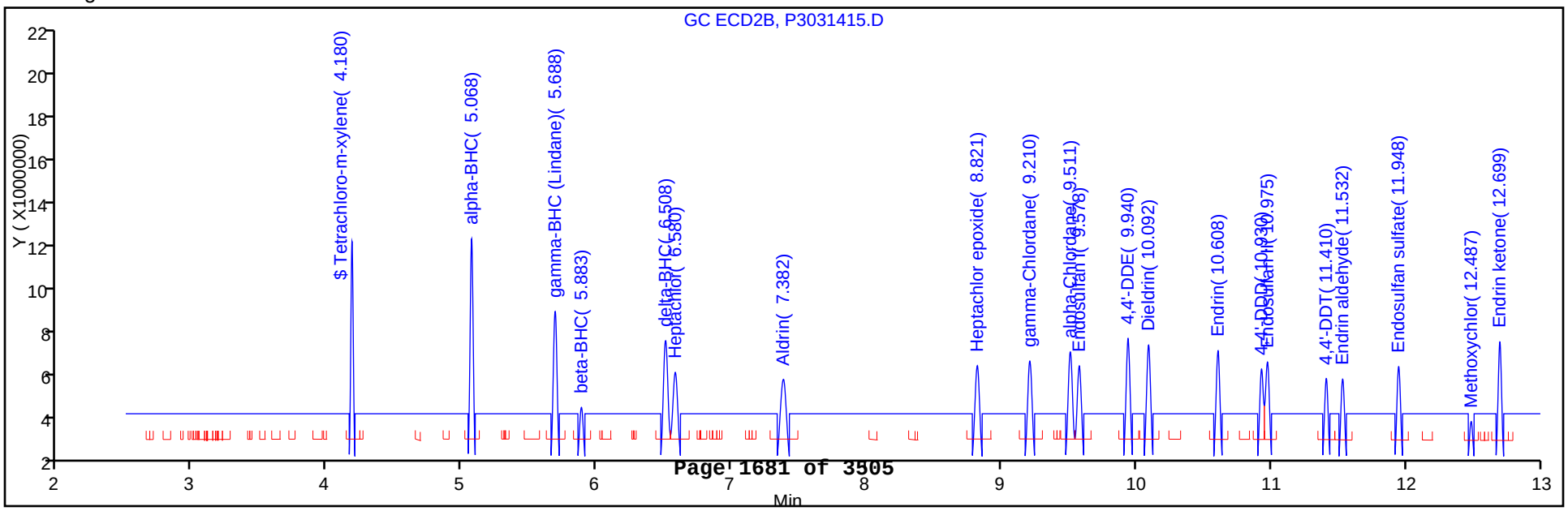
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Injection Date:	14-Mar-2013 15:00:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	15
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

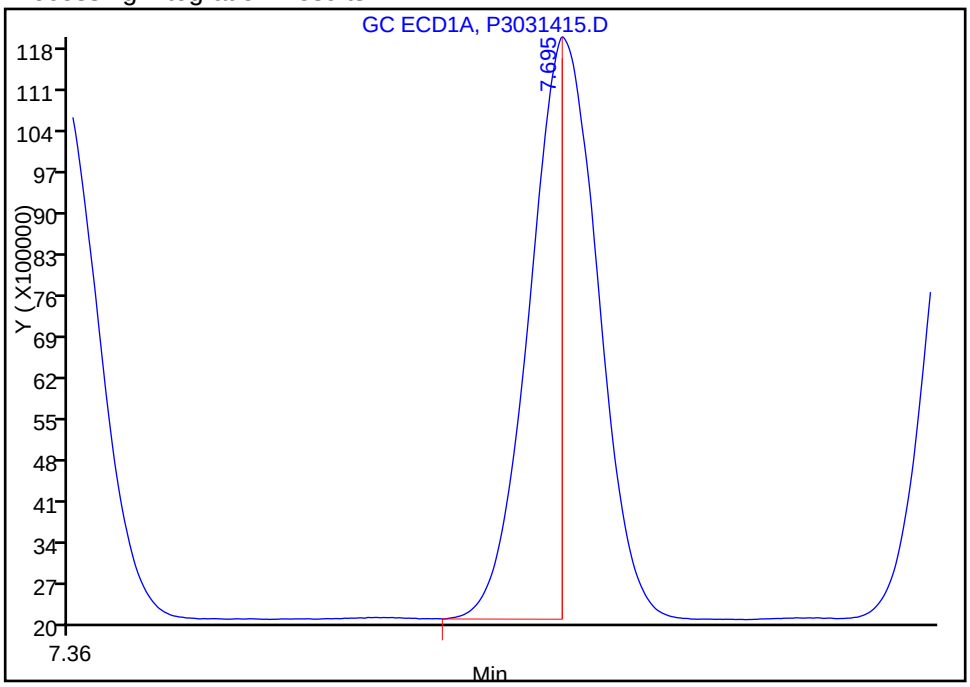
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031415.D		
Injection Date:	14-Mar-2013 15:00:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	15
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 alpha-Chlordane, Signal: 1, Type: quant, RT: 7.69, Det: GC ECD1A

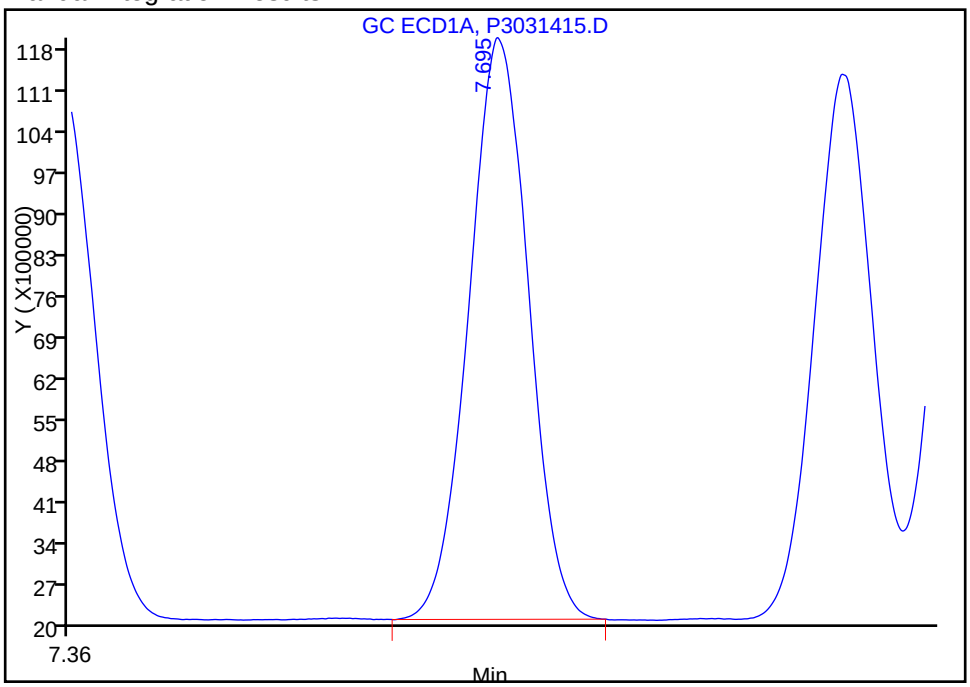
Processing Integration Results

RT: 7.69
Response: 15174928
Amount: 0.014286



Manual Integration Results

RT: 7.69
Response: 31969190
Amount: 0.024788



Reviewer: shockr, 14-Mar-2013 15:41:02
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031416.D		
Lims ID:	STD AB L4	Client ID:	
Inject. Date:	14-Mar-2013 15:20:21	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0017984-016		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	78295	Lims Sample ID:	16
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:36	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		
First Level Reviewer: shockr		Date:	14-Mar-2013 16:05:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	54928603	0.0499			
2	100	4.179	4.180	-0.001	30437726	0.0504			
						RPD = 0.94			
5 alpha-BHC									
1	100	4.255	4.255	0.000	83254980	0.0513			
2	100	5.068	5.068	0.000	39687017	0.0515			
						RPD = 0.53			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	74128935	0.0509			
2	100	5.687	5.688	-0.001	34332874	0.0507			
						RPD = 0.46			
7 beta-BHC									
1	100	4.777	4.777	0.000	30109377	0.0487			
2	100	5.882	5.883	-0.001	14280872	0.0483			
						RPD = 0.80			
11 delta-BHC									
1	100	4.998	4.999	-0.001	75876449	0.0513			
2	100	6.508	6.508	0.000	35380167	0.0509			
						RPD = 0.78			
22 Heptachlor									
1	100	5.293	5.293	0.000	65357289	0.0507			
2	100	6.579	6.580	-0.001	29140848	0.0500			
						RPD = 1.50			
4 Aldrin									
1	100	5.760	5.761	-0.001	68888892	0.0507			
2	100	7.380	7.382	-0.002	33339061	0.0501			
						RPD = 1.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	61142532	0.0497			
2	100	8.820	8.821	-0.001	28806716	0.0496			
						RPD = 0.31			
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	62789444	0.0497			
2	100	9.211	9.210	0.001	29175157	0.0497			
						RPD = 0.08			
6 alpha-Chlordane									
1	100	7.694	7.695	-0.001	63962633	0.0496			
2	100	9.510	9.511	-0.001	30210613	0.0495			
						RPD = 0.19			
14 Endosulfan I									
1	100	7.967	7.965	0.002	57355301	0.0498			
2	100	9.578	9.578	0.000	26468245	0.0498			
						RPD = 0.11			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	64158456	0.0507			
2	100	9.940	9.940	0.000	31031644	0.0509			
						RPD = 0.45			
13 Dieldrin									
1	100	8.516	8.517	-0.001	64295083	0.0507			
2	100	10.092	10.092	0.000	30001382	0.0505			
						RPD = 0.42			
17 Endrin									
1	100	8.965	8.966	-0.001	60197190	0.0506			
2	100	10.606	10.608	-0.002	26944971	0.0503			
						RPD = 0.66			
1 4,4'-DDD									
1	100	9.319	9.318	0.001	49032652	0.0505			
2	100	10.928	10.930	-0.002	21704045	0.0508			
						RPD = 0.46			
15 Endosulfan II									
1	100	9.410	9.411	-0.001	54571554	0.0499			
2	100	10.974	10.975	-0.001	24090696	0.0496			
						RPD = 0.47			
3 4,4'-DDT									
1	100	9.834	9.835	-0.001	46440699	0.0504			
2	100	11.410	11.410	0.000	19827190	0.0501			
						RPD = 0.46			
18 Endrin aldehyde									
1	100	10.200	10.201	-0.001	43730934	0.0497			
2	100	11.532	11.532	0.000	19532823	0.0494			
						RPD = 0.43			
27 Methoxychlor									
1	100	10.780	10.780	0.000	22775450	0.0494			
2	100	12.486	12.487	-0.001	9817056	0.0492			
						RPD = 0.32			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.923	10.925	-0.002	48795973	0.0497			
2	100	11.948	11.948	0.000	21745192	0.0492			
						RPD = 1.15			
19 Endrin ketone									
1	100	11.322	11.322	0.000	57124126	0.0499			
2	100	12.700	12.699	0.001	24790369	0.0494			
						RPD = 0.96			
$ 10 DCB Decachlorobiphenyl									
1	100	12.930	12.929	0.001	46376052	0.0483			
2	100	14.417	14.415	0.002	22823566	0.0475			
						RPD = 1.70			

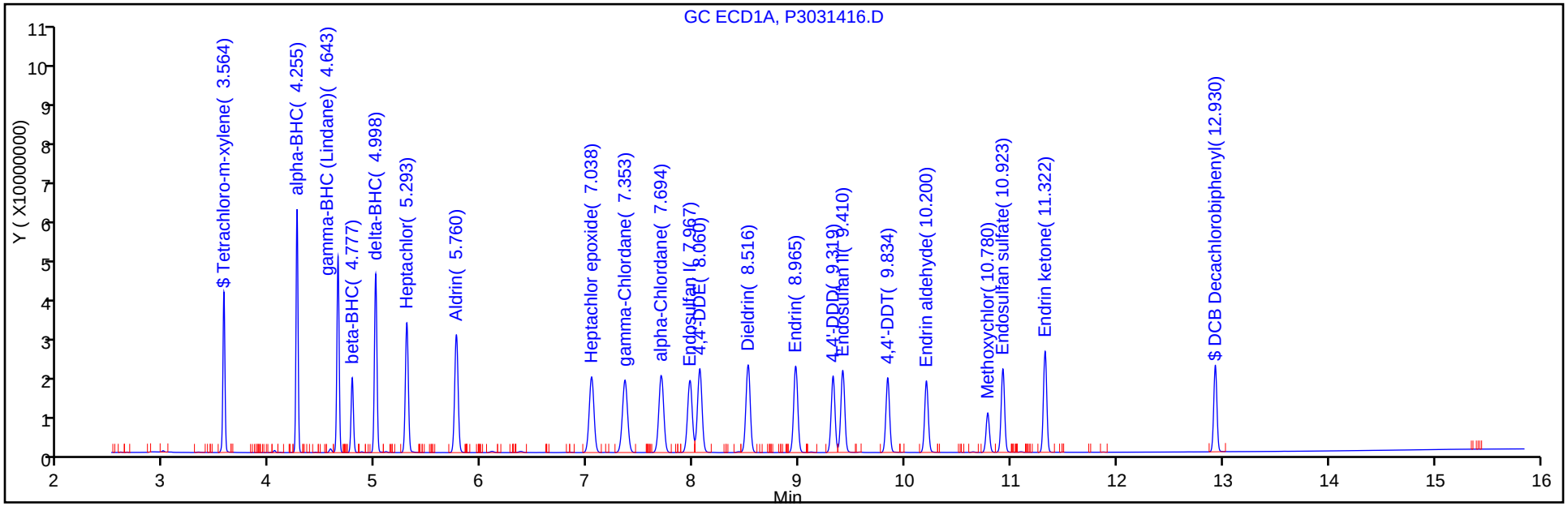
Report Date: 15-Mar-2013 07:54:37 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

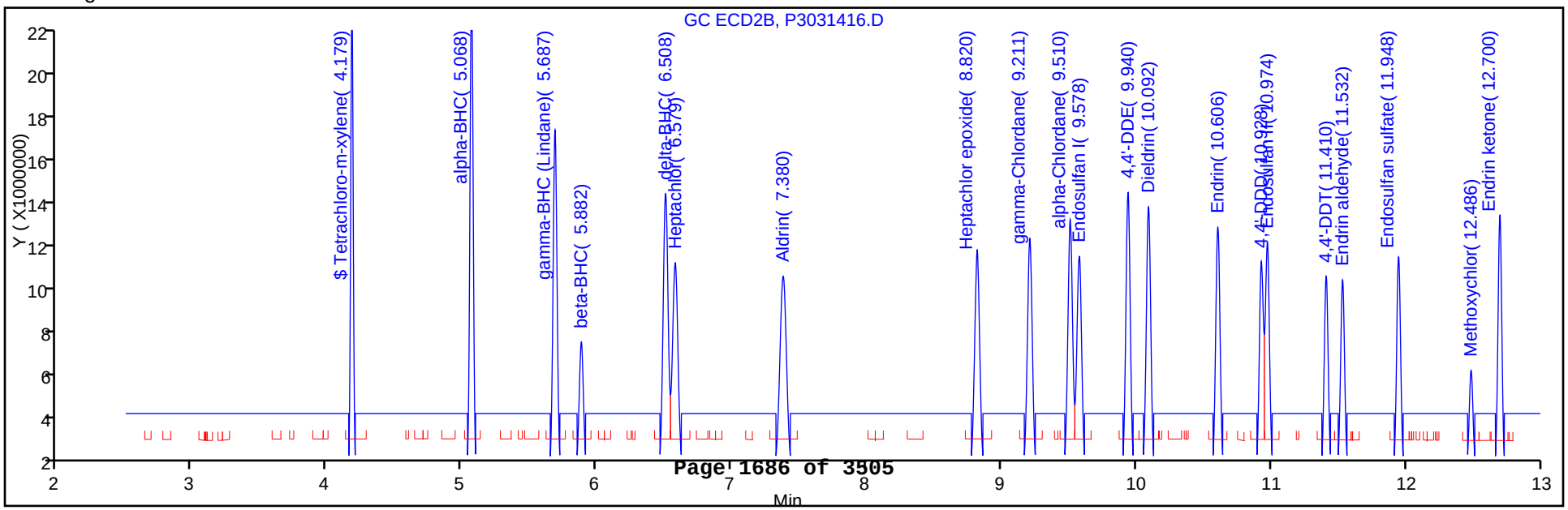
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031416.D

Injection Date:	14-Mar-2013 15:20:21	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	16
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031417.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 14-Mar-2013 15:40:26 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0017984-017
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 78295 Lims Sample ID: 17
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:38 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	108498220	0.0986			
2	100	4.179	4.180	-0.001	62181454	0.1030			
						RPD = 4.30			
5 alpha-BHC									
1	100	4.256	4.255	0.001	169069280	0.1041			
2	100	5.068	5.068	0.000	83756504	0.1088			
						RPD = 4.38			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	150192651	0.1032			
2	100	5.688	5.688	0.000	72308864	0.1068			
						RPD = 3.42			
7 beta-BHC									
1	100	4.777	4.777	0.000	60054605	0.0971			
2	100	5.883	5.883	0.000	28891924	0.0977			
						RPD = 0.62			
11 delta-BHC									
1	100	4.998	4.999	-0.001	155211774	0.1049			
2	100	6.508	6.508	0.000	75035996	0.1079			
						RPD = 2.83			
22 Heptachlor									
1	100	5.294	5.293	0.001	131620345	0.1022			
2	100	6.579	6.580	-0.001	60486311	0.1038			
						RPD = 1.53			
4 Aldrin									
1	100	5.761	5.761	0.000	139831096	0.1028			
2	100	7.381	7.382	-0.001	70399564	0.1057			
						RPD = 2.76			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	123607519	0.1005			
2	100	8.821	8.821	0.000	59935339	0.1031			
						RPD = 2.56			
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	129462169	0.1025			
2	100	9.213	9.210	0.003	61228950	0.1044			
						RPD = 1.85			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	130612634	0.1013			
2	100	9.513	9.511	0.002	63433868	0.1039			
						RPD = 2.59			
14 Endosulfan I									
1	100	7.967	7.965	0.002	116265499	0.1009			
2	100	9.578	9.578	0.000	54856402	0.1032			
						RPD = 2.33			
2 4,4'-DDE									
1	100	8.059	8.060	-0.001	132266883	0.1044			
2	100	9.941	9.940	0.001	65438107	0.1073			
						RPD = 2.71			
13 Dieldrin									
1	100	8.518	8.517	0.001	130845292	0.1032			
2	100	10.093	10.092	0.001	63014184	0.1060			
						RPD = 2.73			
17 Endrin									
1	100	8.966	8.966	0.000	121362286	0.1021			
2	100	10.608	10.608	0.000	56195128	0.1049			
						RPD = 2.73			
1 4,4'-DDD									
1	100	9.319	9.318	0.001	101475837	0.1046			
2	100	10.931	10.930	0.001	45380274	0.1061			
						RPD = 1.48			
15 Endosulfan II									
1	100	9.411	9.411	0.000	110168800	0.1006			
2	100	10.975	10.975	0.000	49795219	0.1026			
						RPD = 1.89			
3 4,4'-DDT									
1	100	9.837	9.835	0.002	95899338	0.1040			
2	100	11.411	11.410	0.001	41520195	0.1050			
						RPD = 0.94			
18 Endrin aldehyde									
1	100	10.201	10.201	0.000	87045399	0.0988			
2	100	11.533	11.532	0.001	39689339	0.1005			
						RPD = 1.63			
27 Methoxychlor									
1	100	10.780	10.780	0.000	44017689	0.0954			
2	100	12.487	12.487	0.000	19442887	0.0974			
						RPD = 2.13			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	97049405	0.0989			
2	100	11.949	11.948	0.001	44455758	0.1005			
						RPD = 1.61			
19 Endrin ketone									
1	100	11.323	11.322	0.001	113796937	0.0994			
2	100	12.700	12.699	0.001	50377770	0.1004			
						RPD = 1.03			
$ 10 DCB Decachlorobiphenyl									
1	100	12.930	12.929	0.001	90947133	0.0947			
2	100	14.416	14.415	0.001	45130190	0.0939			
						RPD = 0.88			

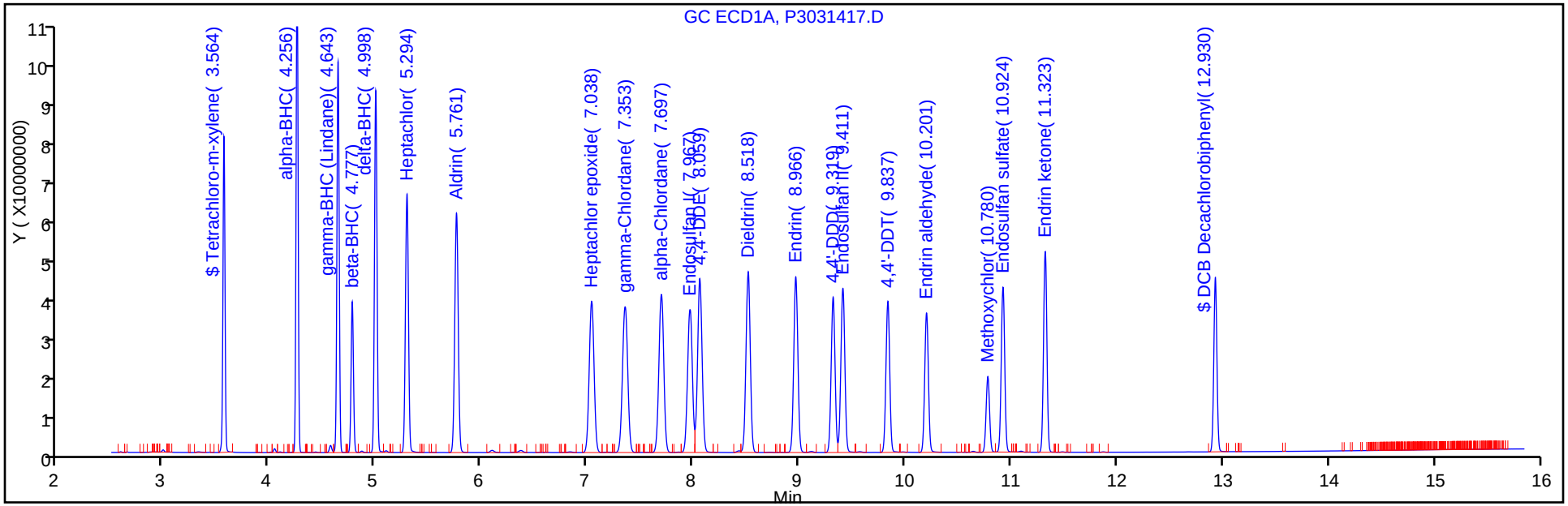
Report Date: 15-Mar-2013 07:54:38 Chrom Revision: 2.0 01-Feb-2013 10:03:10

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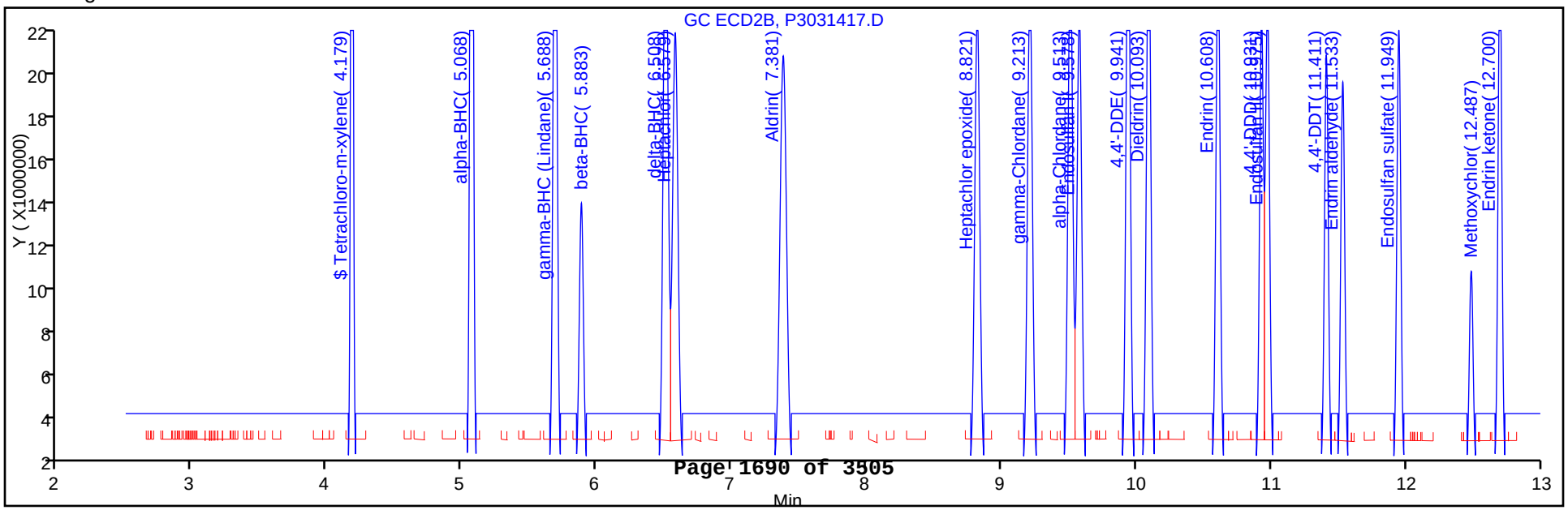
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Injection Date:	14-Mar-2013 15:40:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	17
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031418.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 14-Mar-2013 16:00:25 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0017984-018
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 78295 Lims Sample ID: 18
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:39 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.565	3.565	0.000	212923308	0.1935			
2	100	4.180	4.180	0.000	124861403	0.2067			
						RPD = 6.60			
5 alpha-BHC									
1	100	4.255	4.255	0.000	334483518	0.2060			
2	100	5.068	5.068	0.000	170744897	0.2218			
						RPD = 7.37			
20 gamma-BHC (Lindane)									
1	100	4.642	4.643	-0.001	296394748	0.2037			
2	100	5.688	5.688	0.000	147384358	0.2177			
						RPD = 6.65			
7 beta-BHC									
1	100	4.777	4.777	0.000	118080169	0.1909			
2	100	5.882	5.883	-0.001	58136075	0.1966			
						RPD = 2.93			
11 delta-BHC									
1	100	4.999	4.999	0.000	306957333	0.2074			
2	100	6.507	6.508	-0.001	154642052	0.2223			
						RPD = 6.95			
22 Heptachlor									
1	100	5.293	5.293	0.000	256221914	0.1989			
2	100	6.578	6.580	-0.002	124246413	0.2131			
						RPD = 6.90			
4 Aldrin									
1	100	5.761	5.761	0.000	274608679	0.2019			
2	100	7.381	7.382	-0.001	144590532	0.2171			
						RPD = 7.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	240083019	0.1952			
2	100	8.821	8.821	0.000	120775880	0.2078			
						RPD = 6.24			
21 gamma-Chlordane									
1	100	7.354	7.355	-0.001	258135056	0.2043			
2	100	9.212	9.210	0.002	125706508	0.2143			
						RPD = 4.77			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	258882055	0.2007			
2	100	9.511	9.511	0.000	129650177	0.2124			
						RPD = 5.66			
14 Endosulfan I									
1	100	7.967	7.965	0.002	225983627	0.1961			
2	100	9.580	9.578	0.002	111067818	0.2090			
						RPD = 6.41			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	263138642	0.2078			
2	100	9.940	9.940	0.000	134480335	0.2205			
						RPD = 5.95			
13 Dieldrin									
1	100	8.517	8.517	0.000	255983421	0.2018			
2	100	10.093	10.092	0.001	128443491	0.2161			
						RPD = 6.84			
17 Endrin									
1	100	8.966	8.966	0.000	235250743	0.1978			
2	100	10.608	10.608	0.000	113969943	0.2127			
						RPD = 7.25			
1 4,4'-DDD									
1	100	9.320	9.318	0.002	202556675	0.2088			
2	100	10.930	10.930	0.000	94344525	0.2207			
						RPD = 5.55			
15 Endosulfan II									
1	100	9.411	9.411	0.000	214458063	0.1959			
2	100	10.975	10.975	0.000	99422834	0.2048			
						RPD = 4.43			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	192701152	0.2090			
2	100	11.412	11.410	0.002	86159827	0.2178			
						RPD = 4.16			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	169102782	0.1920			
2	100	11.534	11.532	0.002	80703275	0.2043			
						RPD = 6.19			
27 Methoxychlor									
1	100	10.780	10.780	0.000	86082179	0.1866			
2	100	12.486	12.487	-0.001	38867941	0.1948			
						RPD = 4.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	189248380	0.1929			
2	100	11.949	11.948	0.001	90036300	0.2036			
						RPD = 5.39			
19 Endrin ketone									
1	100	11.321	11.322	-0.001	219666410	0.1919			
2	100	12.698	12.699	-0.001	101055206	0.2015			
						RPD = 4.87			
$ 10 DCB Decachlorobiphenyl									
1	100	12.928	12.929	-0.001	177905379	0.1853			
2	100	14.416	14.415	0.001	90371817	0.1880			
						RPD = 1.46			

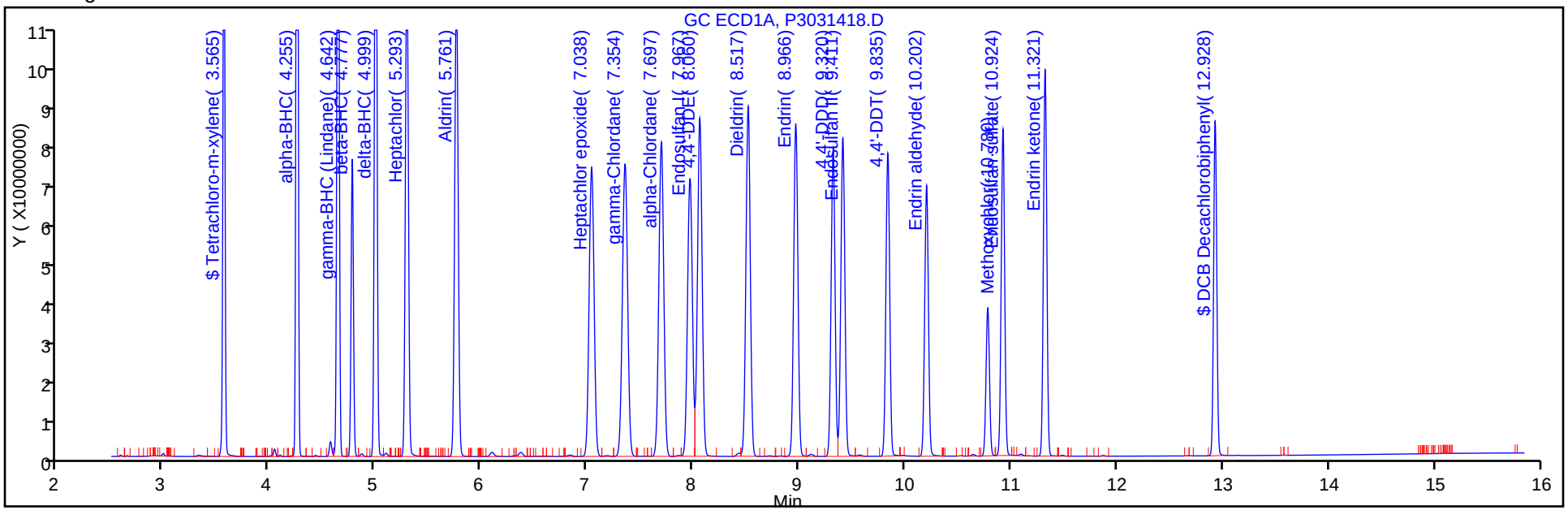
Report Date: 15-Mar-2013 07:54:40 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

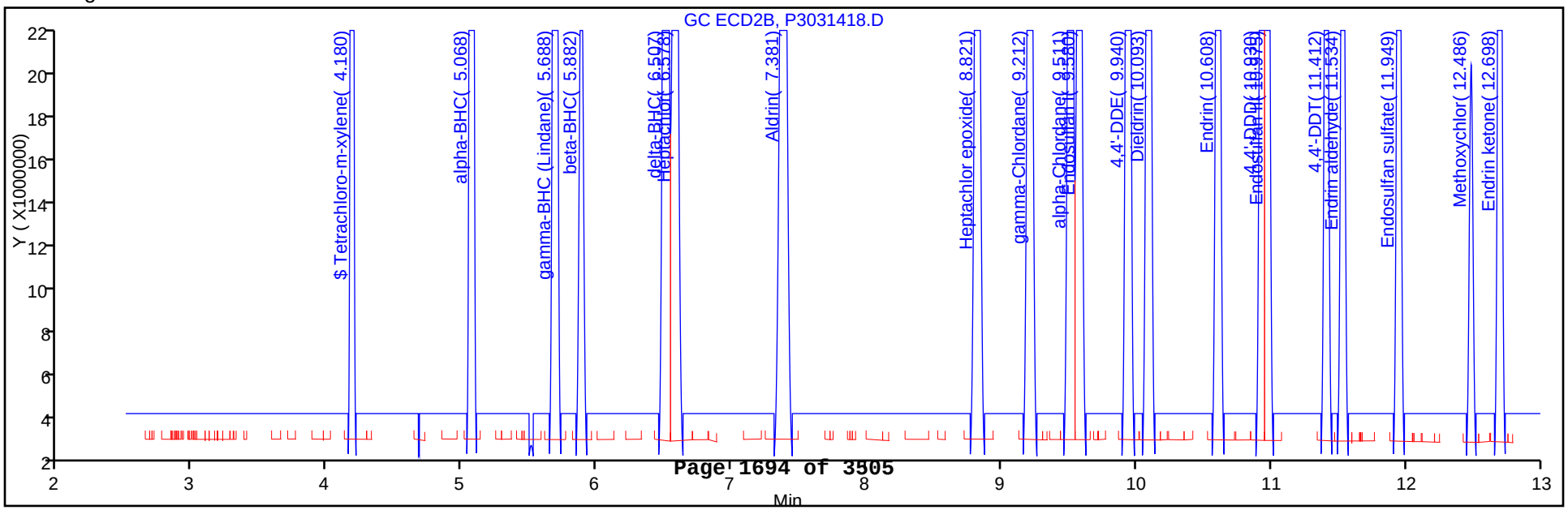
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Injection Date:	14-Mar-2013 16:00:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	18
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 14:20 Calibration End Date: 03/14/2013 16:00 Calibration ID: 14139

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/13	P3031413.D
Level 2	STD 240-78295/14	P3031414.D
Level 3	STD 240-78295/15	P3031415.D
Level 4	STD 240-78295/16	P3031416.D
Level 5	STD 240-78295/17	P3031417.D
Level 6	STD 240-78295/18	P3031418.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	5.068	5.068	5.068	5.068	5.068	5.068					5.038 - 5.098	5.068
gamma-BHC (Lindane)	5.688	5.686	5.688	5.687	5.688	5.688					5.658 - 5.718	5.688
beta-BHC	5.883	5.883	5.883	5.882	5.883	5.882					5.853 - 5.913	5.883
delta-BHC	6.508	6.507	6.508	6.508	6.508	6.507					6.478 - 6.538	6.508
Heptachlor	6.579	6.579	6.580	6.579	6.579	6.578					6.550 - 6.610	6.579
Aldrin	7.382	7.381	7.382	7.380	7.381	7.381					7.352 - 7.412	7.381
Heptachlor epoxide	8.821	8.822	8.821	8.820	8.821	8.821					8.791 - 8.851	8.821
gamma-Chlordane	9.211	9.213	9.210	9.211	9.213	9.212					9.180 - 9.240	9.212
alpha-Chlordane	9.513	9.512	9.511	9.510	9.513	9.511					9.481 - 9.541	9.512
Endosulfan I	9.577	9.579	9.578	9.578	9.578	9.580					9.548 - 9.608	9.578
4,4'-DDE	9.940	9.940	9.940	9.940	9.941	9.940					9.910 - 9.970	9.940
Dieldrin	10.093	10.092	10.092	10.092	10.093	10.093					10.062 - 10.122	10.093
Endrin	10.608	10.608	10.608	10.606	10.608	10.608					10.578 - 10.638	10.608
4,4'-DDD	10.930	10.929	10.930	10.928	10.931	10.930					10.900 - 10.960	10.930
Endosulfan II	10.975	10.974	10.975	10.974	10.975	10.975					10.945 - 11.005	10.975
4,4'-DDT	11.411	11.412	11.410	11.410	11.411	11.412					11.380 - 11.440	11.411
Endrin aldehyde	11.533	11.533	11.532	11.532	11.533	11.534					11.502 - 11.562	11.533
Endosulfan sulfate	11.949	11.949	11.948	11.948	11.949	11.949					11.918 - 11.978	11.949
Methoxychlor	12.487	12.486	12.487	12.486	12.487	12.486					12.457 - 12.517	12.487
Endrin ketone	12.700	12.699	12.699	12.700	12.700	12.698					12.669 - 12.729	12.699
Tetrachloro-m-xylene	4.180	4.179	4.180	4.179	4.179	4.180					4.150 - 4.210	4.180
DCB Decachlorobiphenyl	14.416	14.415	14.415	14.417	14.416	14.416					14.385 - 14.445	14.416

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 14:20 Calibration End Date: 03/14/2013 16:00 Calibration ID: 14139

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/13	P3031413.D
Level 2	STD 240-78295/14	P3031414.D
Level 3	STD 240-78295/15	P3031415.D
Level 4	STD 240-78295/16	P3031416.D
Level 5	STD 240-78295/17	P3031417.D
Level 6	STD 240-78295/18	P3031418.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	690973000 837565040	685342100 853724485	758189440	793740340	Ave		769922401				9.3		20.0			
gamma-BHC (Lindane)	636705800 723088640	616853400 736921790	662121320	686657480	Ave		677058072				7.0		20.0			
beta-BHC	320282200 288919240	297086400 290680375	291658400	285617440	Ave		295707343				4.3		20.0			
delta-BHC	641621200 750359960	623604200 773210260	677331840	707603340	Ave		695621800				8.5		20.0			
Heptachlor	576608600 604863110	542860300 621232065	569442040	582816960	Ave		582970513				4.7		20.0			
Aldrin	640460400 703995640	614299300 722952660	648012280	666781220	Ave		666083583				6.1		20.0			
Heptachlor epoxide	586779800 599353390	551899000 603879400	569877680	576134320	Ave		581320598				3.3		20.0			
gamma-Chlordane	576661400 612289500	547013300 628532540	571624680	583503140	Ave		586604093				5.0		20.0			
alpha-Chlordane	605196800 634338680	572084700 648250885	597872720	604212260	Ave		610326008				4.5		20.0			
Endosulfan I	533987200 548564020	500767800 555339090	519931560	529364900	Ave		531325762				3.7		20.0			
4,4'-DDE	565286000 654381070	550024400 672401675	596377560	620632880	Ave		609850598				8.0		20.0			
Dieldrin	567348000 630141840	543729200 642217455	582839120	600027640	Ave		594383876				6.3		20.0			
Endrin	520244000 561951280	496461000 569849715	527356080	538899420	Ave		535793583				5.1		20.0			
4,4'-DDD	402003200 453802740	384360400 471722625	419309200	434080900	Ave		427546511				7.6		20.0			
Endosulfan II	494375000 497952190	466502000 497114170	475075480	481813920	Ave		485472127				2.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 14:20 Calibration End Date: 03/14/2013 16:00 Calibration ID: 14139

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	383407600 415201950	363763500 430799135	383563760	396543800	Ave		395546624				6.1		20.0			
Endrin aldehyde	410269400 396893390	382366200 403516375	386739720	390656460	Ave		395073591				2.7		20.0			
Endosulfan sulfate	461740800 444557580	428752700 450181500	433279880	434903840	Ave		442236050				2.8		20.0			
Methoxychlor	213507000 194428870	200530900 194339705	197963520	196341120	Ave		199518519				3.6		20.0			
Endrin ketone	521281800 503777700	488014000 505276030	495076720	495807380	Ave		501538938				2.3		20.0			
Tetrachloro-m-xylene	602364800 621814540	570267200 624307015	596254480	608754520	Ave		603960426				3.3		20.0			
DCB Decachlorobiphenyl	556371400 451301900	496129500 451859085	472059960	456471320	Ave		480698861				8.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 14:20 Calibration End Date: 03/14/2013 16:00 Calibration ID: 14139

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/13	P3031413.D
Level 2	STD 240-78295/14	P3031414.D
Level 3	STD 240-78295/15	P3031415.D
Level 4	STD 240-78295/16	P3031416.D
Level 5	STD 240-78295/17	P3031417.D
Level 6	STD 240-78295/18	P3031418.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	3454865 170744897	6853421	18954736	39687017	83756504	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	3183529 147384358	6168534	16553033	34332874	72308864	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	1601411 58136075	2970864	7291460	14280872	28891924	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	3208106 154642052	6236042	16933296	35380167	75035996	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	2883043 124246413	5428603	14236051	29140848	60486311	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	3202302 144590532	6142993	16200307	33339061	70399564	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	2933899 120775880	5518990	14246942	28806716	59935339	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	2883307 125706508	5470133	14290617	29175157	61228950	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	3025984 129650177	5720847	14946818	30210613	63433868	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	2669936 111067818	5007678	12998289	26468245	54856402	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	2826430 134480335	5500244	14909439	31031644	65438107	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	2836740 128443491	5437292	14570978	30001382	63014184	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	2601220 113969943	4964610	13183902	26944971	56195128	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	2010016 94344525	3843604	10482730	21704045	45380274	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	2471875 99422834	4665020	11876887	24090696	49795219	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	1917038 86159827	3637635	9589094	19827190	41520195	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 14:20 Calibration End Date: 03/14/2013 16:00 Calibration ID: 14139

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	2051347 80703275	3823662	9668493	19532823	39689339	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	2308704 90036300	4287527	10831997	21745192	44455758	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	1067535 38867941	2005309	4949088	9817056	19442887	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	2606409 101055206	4880140	12376918	24790369	50377770	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	3011824 124861403	5702672	14906362	30437726	62181454	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	2781857 90371817	4961295	11801499	22823566	45130190	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031413.D		
Lims ID:	STD AB L1	Client ID:	
Inject. Date:	14-Mar-2013 14:20:21	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0017984-013		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	78295	Lims Sample ID:	13
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:30	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		
First Level Reviewer: shockr		Date:	14-Mar-2013 14:44:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.565	3.565	0.000	5786139	0.005259			
2	100	4.180	4.180	0.000	3011824	0.004987			
						RPD = 5.32			
5 alpha-BHC									
1	100	4.255	4.255	0.000	7723849	0.004757			
2	100	5.068	5.068	0.000	3454865	0.004487			
						RPD = 5.83			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	7088722	0.004871			
2	100	5.688	5.688	0.000	3183529	0.004702			
						RPD = 3.54			
7 beta-BHC									
1	100	4.777	4.777	0.000	3390982	0.005483			
2	100	5.883	5.883	0.000	1601411	0.005416			
						RPD = 1.23			
11 delta-BHC									
1	100	4.998	4.999	-0.001	7021845	0.004744			
2	100	6.508	6.508	0.000	3208106	0.004612			
						RPD = 2.82			
22 Heptachlor									
1	100	5.293	5.293	0.000	6444168	0.005003			
2	100	6.579	6.580	-0.001	2883043	0.004945			
						RPD = 1.16			
4 Aldrin									
1	100	5.761	5.761	0.000	6751407	0.004964			
2	100	7.382	7.382	0.000	3202302	0.004808			
						RPD = 3.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	6403279	0.005206			
2	100	8.821	8.821	0.000	2933899	0.005047			
						RPD = 3.10			
21 gamma-Chlordane									
1	100	7.354	7.355	-0.001	6432116	0.005091			
2	100	9.211	9.210	0.001	2883307	0.004915			
						RPD = 3.51			
6 alpha-Chlordane									
1	100	7.695	7.695	0.000	6625948	0.005138			
2	100	9.513	9.511	0.002	3025984	0.004958			
						RPD = 3.56			
14 Endosulfan I									
1	100	7.967	7.965	0.002	6031134	0.005232			
2	100	9.577	9.578	-0.001	2669936	0.005025			
						RPD = 4.04			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	6203794	0.004898			
2	100	9.940	9.940	0.000	2826430	0.004635			
						RPD = 5.53			
13 Dieldrin									
1	100	8.515	8.517	-0.002	6286128	0.004956			
2	100	10.093	10.092	0.001	2836740	0.004773			
						RPD = 3.77			
17 Endrin									
1	100	8.966	8.966	0.000	5981804	0.005030			
2	100	10.608	10.608	0.000	2601220	0.004855			
						RPD = 3.55			
1 4,4'-DDD									
1	100	9.318	9.318	0.000	4725338	0.004870			
2	100	10.930	10.930	0.000	2010016	0.004701			
						RPD = 3.52			
15 Endosulfan II									
1	100	9.411	9.411	0.000	5690305	0.005199			
2	100	10.975	10.975	0.000	2471875	0.005092			
						RPD = 2.08			
3 4,4'-DDT									
1	100	9.836	9.835	0.001	4556454	0.004941			
2	100	11.411	11.410	0.001	1917038	0.004847			
						RPD = 1.93			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	4719044	0.005358			
2	100	11.533	11.532	0.001	2051347	0.005192			
						RPD = 3.15			
27 Methoxychlor									
1	100	10.778	10.780	-0.002	2545427	0.005517			
2	100	12.487	12.487	0.000	1067535	0.005351			
						RPD = 3.05			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.923	10.925	-0.002	5226115	0.005327			
2	100	11.949	11.948	0.001	2308704	0.005221			
						RPD = 2.02			
19 Endrin ketone									
1	100	11.323	11.322	0.001	6009662	0.005250			
2	100	12.700	12.699	0.001	2606409	0.005197			
						RPD = 1.02			
$ 10 DCB Decachlorobiphenyl									
1	100	12.928	12.929	-0.001	5454340	0.005680			
2	100	14.416	14.415	0.001	2781857	0.005787			
						RPD = 1.86			

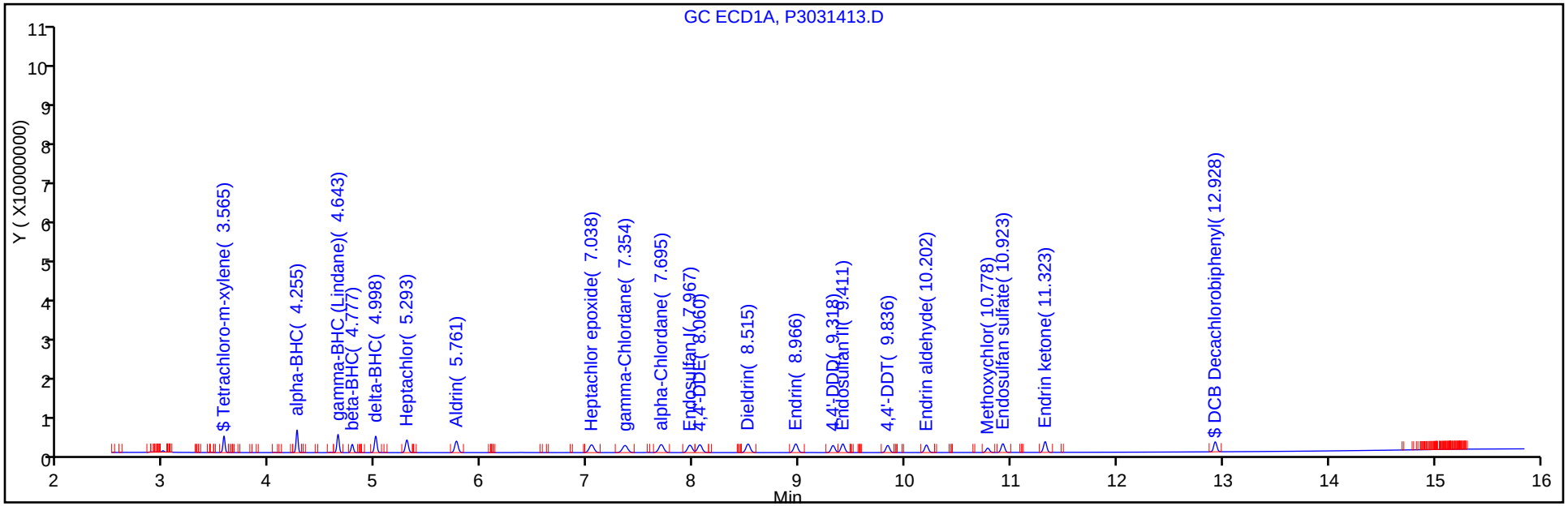
Report Date: 15-Mar-2013 07:54:31 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

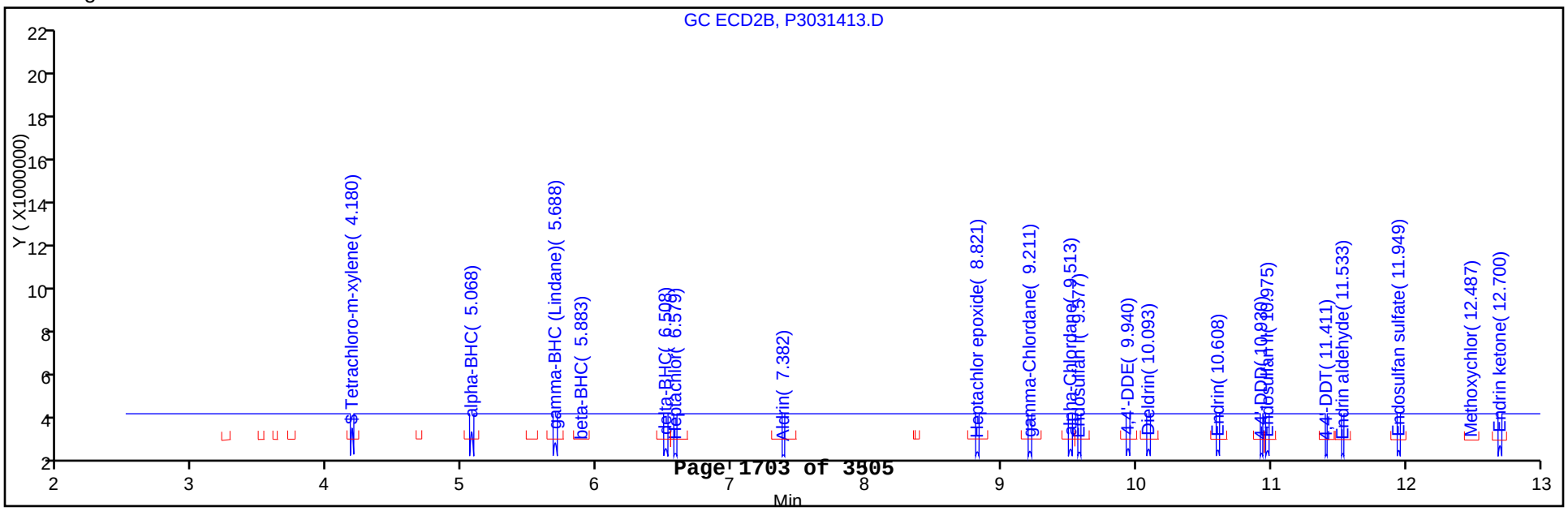
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031413.D

Injection Date:	14-Mar-2013 14:20:21	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	13
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031414.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 14-Mar-2013 14:40:20 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0017984-014
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 78295 Lims Sample ID: 14
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:32 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	10853970	0.009866			
2	100	4.179	4.180	-0.001	5702672	0.009442			
						RPD = 4.39			
5 alpha-BHC									
1	100	4.255	4.255	0.000	15248998	0.009391			
2	100	5.068	5.068	0.000	6853421	0.008901			
						RPD = 5.36			
20 gamma-BHC (Lindane)									
1	100	4.642	4.643	-0.001	13784429	0.009473			
2	100	5.686	5.688	-0.002	6168534	0.009111			
						RPD = 3.89			
7 beta-BHC									
1	100	4.777	4.777	0.000	6245666	0.0101			
2	100	5.883	5.883	0.000	2970864	0.0100			
						RPD = 0.51			
11 delta-BHC									
1	100	4.999	4.999	0.000	13781803	0.009311			
2	100	6.507	6.508	-0.001	6236042	0.008965			
						RPD = 3.79			
22 Heptachlor									
1	100	5.293	5.293	0.000	12370788	0.009604			
2	100	6.579	6.580	-0.001	5428603	0.009312			
						RPD = 3.09			
4 Aldrin									
1	100	5.761	5.761	0.000	12899784	0.009485			
2	100	7.381	7.382	-0.001	6142993	0.009223			
						RPD = 2.81			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	12063566	0.009808			
2	100	8.822	8.821	0.001	5518990	0.009494			
						RPD = 3.25			
21 gamma-Chlordane									
1	100	7.354	7.355	-0.001	12036397	0.009526			
2	100	9.213	9.210	0.003	5470133	0.009325			
						RPD = 2.13			
6 alpha-Chlordane									
1	100	7.696	7.695	0.001	12544705	0.009727			
2	100	9.512	9.511	0.001	5720847	0.009373			
						RPD = 3.70			
14 Endosulfan I									
1	100	7.967	7.965	0.002	11203157	0.009720			
2	100	9.579	9.578	0.001	5007678	0.009425			
						RPD = 3.08			
2 4,4'-DDE									
1	100	8.061	8.060	0.001	11845796	0.009353			
2	100	9.940	9.940	0.000	5500244	0.009019			
						RPD = 3.64			
13 Dieldrin									
1	100	8.518	8.517	0.001	12071295	0.009517			
2	100	10.092	10.092	0.000	5437292	0.009148			
						RPD = 3.95			
17 Endrin									
1	100	8.968	8.966	0.002	11445308	0.009625			
2	100	10.608	10.608	0.000	4964610	0.009266			
						RPD = 3.80			
1 4,4'-DDD									
1	100	9.319	9.318	0.001	9040316	0.009317			
2	100	10.929	10.930	-0.001	3843604	0.008990			
						RPD = 3.57			
15 Endosulfan II									
1	100	9.412	9.411	0.001	10634263	0.009715			
2	100	10.974	10.975	-0.001	4665020	0.009609			
						RPD = 1.10			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	8616751	0.009344			
2	100	11.412	11.410	0.002	3637635	0.009196			
						RPD = 1.59			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	8702583	0.009881			
2	100	11.533	11.532	0.001	3823662	0.009678			
						RPD = 2.08			
27 Methoxychlor									
1	100	10.781	10.780	0.001	4730704	0.0103			
2	100	12.486	12.487	-0.001	2005309	0.0101			
						RPD = 1.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	9739687	0.0099			
2	100	11.949	11.948	0.001	4287527	0.009695			
						RPD = 2.37			
19 Endrin ketone									
1	100	11.321	11.322	-0.001	11341812	0.0099			
2	100	12.699	12.699	0.000	4880140	0.009730			
						RPD = 1.82			
$ 10 DCB Decachlorobiphenyl									
1	100	12.929	12.929	0.000	9893444	0.0103			
2	100	14.415	14.415	0.000	4961295	0.0103			
						RPD = 0.17			

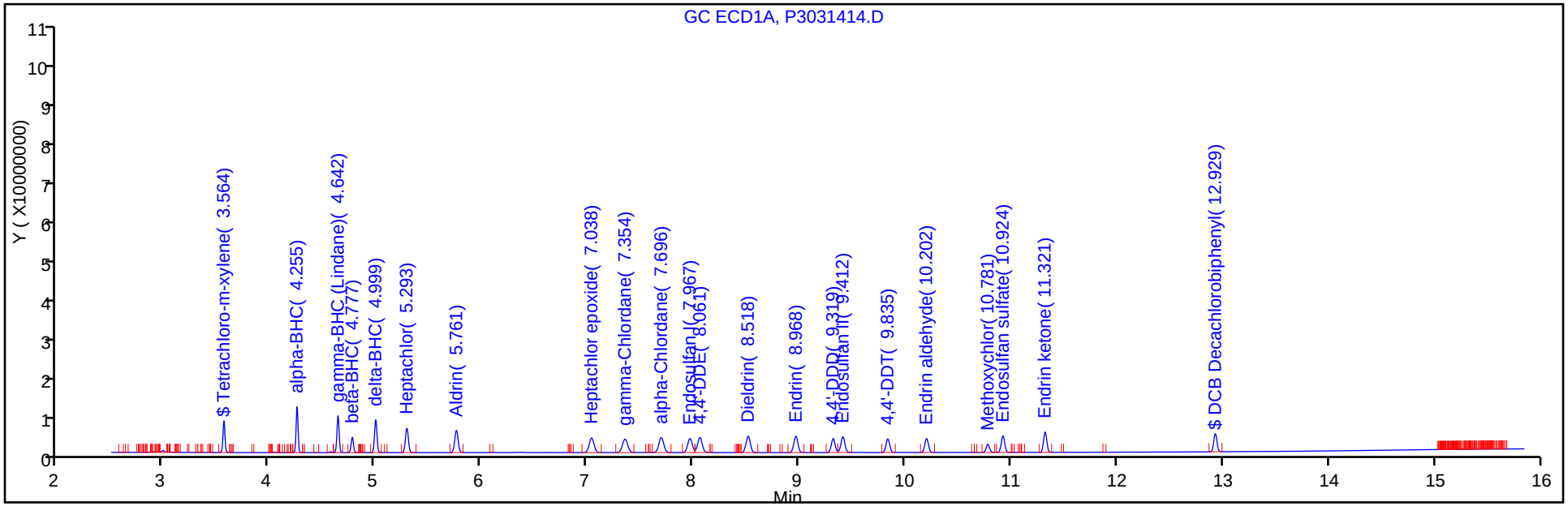
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TestAmerica Canton

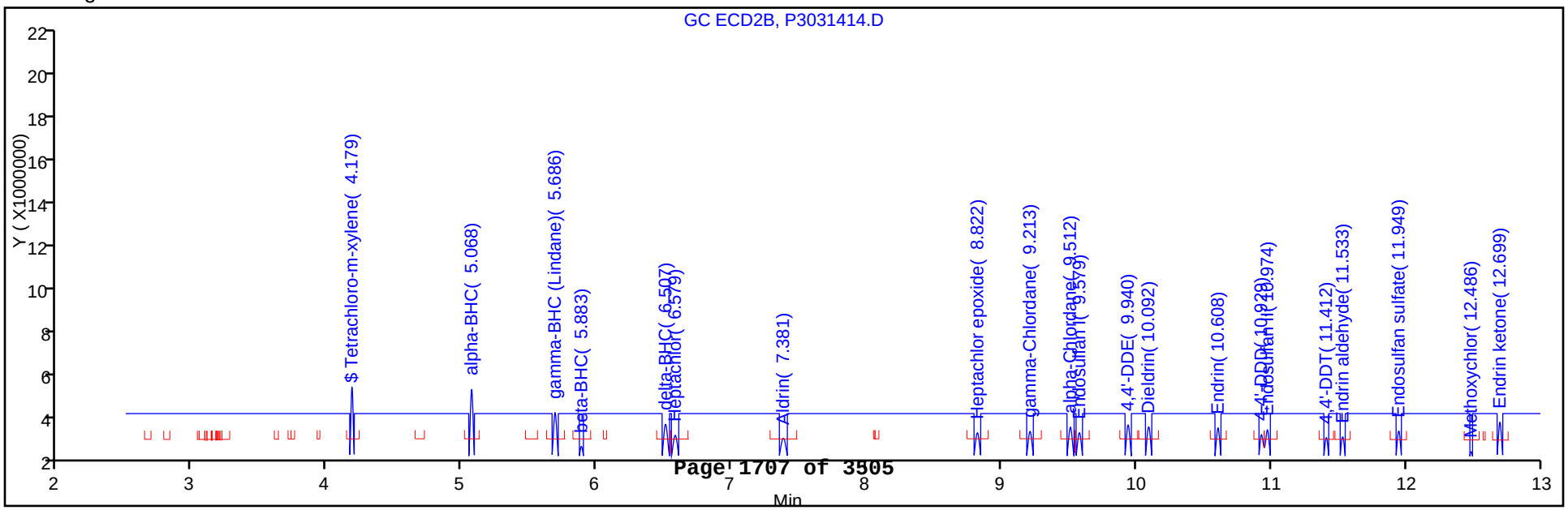
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Injection Date:	14-Mar-2013 14:40:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	14
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031415.D		
Lims ID:	STD AB L3	Client ID:	
Inject. Date:	14-Mar-2013 15:00:19	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0017984-015		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	78295	Lims Sample ID:	15
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:34	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		
First Level Reviewer: shockr		Date:	14-Mar-2013 15:41:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.565	3.565	0.000	27754637	0.0252			
2	100	4.180	4.180	0.000	14906362	0.0247			
						RPD = 2.19			
5 alpha-BHC									
1	100	4.255	4.255	0.000	41109116	0.0253			
2	100	5.068	5.068	0.000	18954736	0.0246			
						RPD = 2.80			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	36713863	0.0252			
2	100	5.688	5.688	0.000	16553033	0.0244			
						RPD = 3.14			
7 beta-BHC									
1	100	4.777	4.777	0.000	15375560	0.0249			
2	100	5.883	5.883	0.000	7291460	0.0247			
						RPD = 0.82			
11 delta-BHC									
1	100	4.999	4.999	0.000	37354970	0.0252			
2	100	6.508	6.508	0.000	16933296	0.0243			
						RPD = 3.61			
22 Heptachlor									
1	100	5.293	5.293	0.000	32449578	0.0252			
2	100	6.580	6.580	0.000	14236051	0.0244			
						RPD = 3.12			
4 Aldrin									
1	100	5.761	5.761	0.000	34263341	0.0252			
2	100	7.382	7.382	0.000	16200307	0.0243			
						RPD = 3.52			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.039	7.039	0.000	30839303	0.0251			
2	100	8.821	8.821	0.000	14246942	0.0245			
						RPD = 2.28			
21 gamma-Chlordane									
1	100	7.355	7.355	0.000	31245166	0.0247			
2	100	9.210	9.210	0.000	14290617	0.0244			
						RPD = 1.50			
6 alpha-Chlordane									M
1	100	7.695	7.695	0.000	31969190	0.0248			M
2	100	9.511	9.511	0.000	14946818	0.0245			
						RPD = 1.21			
14 Endosulfan I									
1	100	7.965	7.965	0.000	28739979	0.0249			
2	100	9.578	9.578	0.000	12998289	0.0245			
						RPD = 1.90			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	31304045	0.0247			
2	100	9.940	9.940	0.000	14909439	0.0244			
						RPD = 1.10			
13 Dieldrin									
1	100	8.517	8.517	0.000	31797893	0.0251			
2	100	10.092	10.092	0.000	14570978	0.0245			
						RPD = 2.24			
17 Endrin									
1	100	8.966	8.966	0.000	30003036	0.0252			
2	100	10.608	10.608	0.000	13183902	0.0246			
						RPD = 2.51			
1 4,4'-DDD									
1	100	9.318	9.318	0.000	24116204	0.0249			
2	100	10.930	10.930	0.000	10482730	0.0245			
						RPD = 1.36			
15 Endosulfan II									
1	100	9.411	9.411	0.000	27513681	0.0251			
2	100	10.975	10.975	0.000	11876887	0.0245			
						RPD = 2.71			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	22724641	0.0246			
2	100	11.410	11.410	0.000	9589094	0.0242			
						RPD = 1.63			
18 Endrin aldehyde									
1	100	10.201	10.201	0.000	21988432	0.0250			
2	100	11.532	11.532	0.000	9668493	0.0245			
						RPD = 2.00			
27 Methoxychlor									
1	100	10.780	10.780	0.000	11506611	0.0249			
2	100	12.487	12.487	0.000	4949088	0.0248			
						RPD = 0.53			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.925	10.925	0.000	24363041	0.0248			
2	100	11.948	11.948	0.000	10831997	0.0245			
						RPD = 1.38			
19 Endrin ketone									
1	100	11.322	11.322	0.000	28824794	0.0252			
2	100	12.699	12.699	0.000	12376918	0.0247			
						RPD = 2.02			
$ 10 DCB Decachlorobiphenyl									
1	100	12.929	12.929	0.000	23867477	0.0249			
2	100	14.415	14.415	0.000	11801499	0.0246			
						RPD = 1.23			

QC Flag Legend

Review Flags
M - Manually Integrated

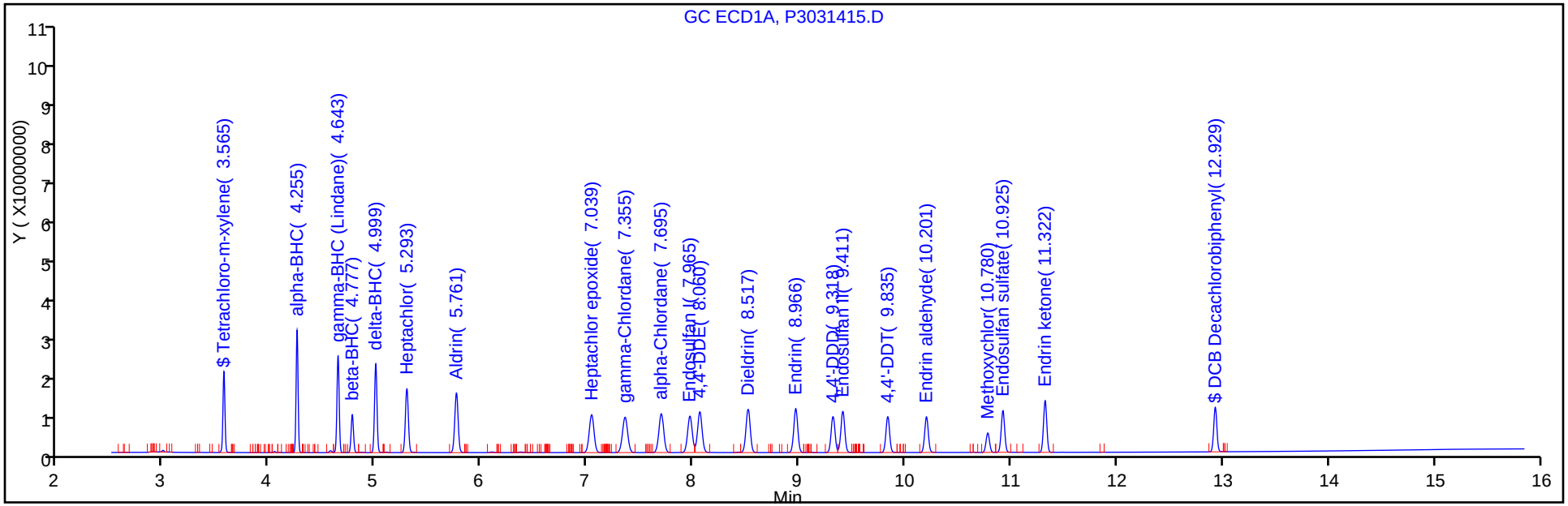
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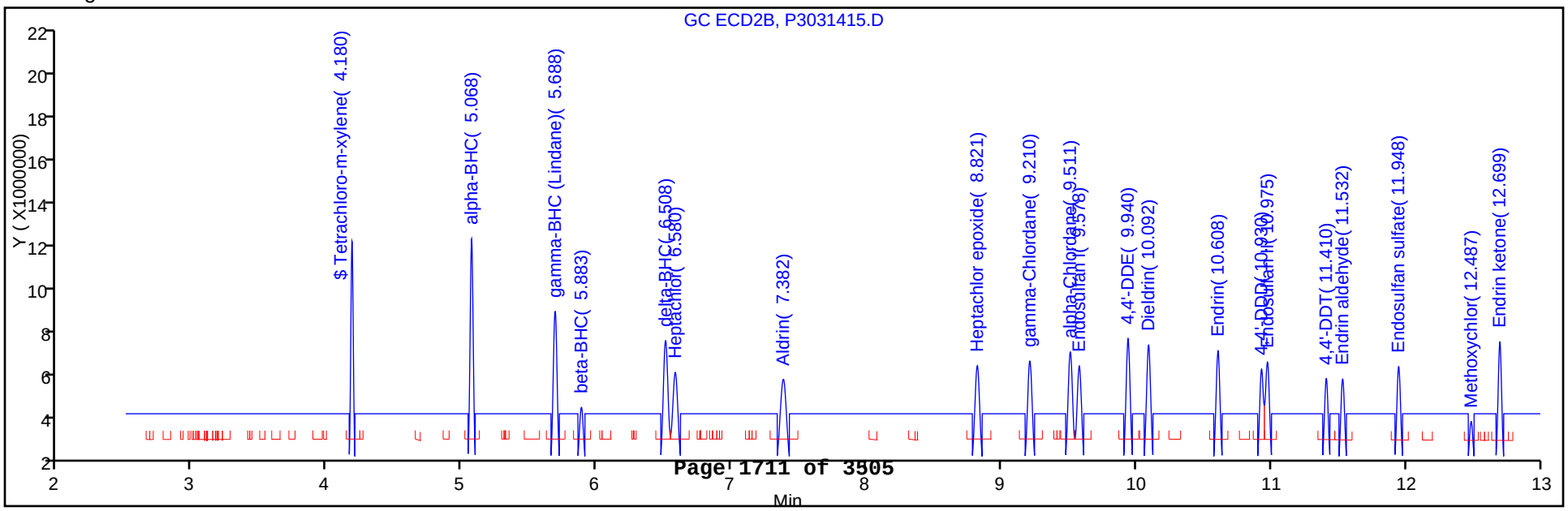
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Injection Date:	14-Mar-2013 15:00:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	15
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031416.D		
Lims ID:	STD AB L4	Client ID:	
Inject. Date:	14-Mar-2013 15:20:21	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0017984-016		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	78295	Lims Sample ID:	16
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:36	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		
First Level Reviewer: shockr		Date:	14-Mar-2013 16:05:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	54928603	0.0499			
2	100	4.179	4.180	-0.001	30437726	0.0504			
						RPD = 0.94			
5 alpha-BHC									
1	100	4.255	4.255	0.000	83254980	0.0513			
2	100	5.068	5.068	0.000	39687017	0.0515			
						RPD = 0.53			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	74128935	0.0509			
2	100	5.687	5.688	-0.001	34332874	0.0507			
						RPD = 0.46			
7 beta-BHC									
1	100	4.777	4.777	0.000	30109377	0.0487			
2	100	5.882	5.883	-0.001	14280872	0.0483			
						RPD = 0.80			
11 delta-BHC									
1	100	4.998	4.999	-0.001	75876449	0.0513			
2	100	6.508	6.508	0.000	35380167	0.0509			
						RPD = 0.78			
22 Heptachlor									
1	100	5.293	5.293	0.000	65357289	0.0507			
2	100	6.579	6.580	-0.001	29140848	0.0500			
						RPD = 1.50			
4 Aldrin									
1	100	5.760	5.761	-0.001	68888892	0.0507			
2	100	7.380	7.382	-0.002	33339061	0.0501			
						RPD = 1.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	61142532	0.0497			
2	100	8.820	8.821	-0.001	28806716	0.0496			
						RPD = 0.31			
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	62789444	0.0497			
2	100	9.211	9.210	0.001	29175157	0.0497			
						RPD = 0.08			
6 alpha-Chlordane									
1	100	7.694	7.695	-0.001	63962633	0.0496			
2	100	9.510	9.511	-0.001	30210613	0.0495			
						RPD = 0.19			
14 Endosulfan I									
1	100	7.967	7.965	0.002	57355301	0.0498			
2	100	9.578	9.578	0.000	26468245	0.0498			
						RPD = 0.11			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	64158456	0.0507			
2	100	9.940	9.940	0.000	31031644	0.0509			
						RPD = 0.45			
13 Dieldrin									
1	100	8.516	8.517	-0.001	64295083	0.0507			
2	100	10.092	10.092	0.000	30001382	0.0505			
						RPD = 0.42			
17 Endrin									
1	100	8.965	8.966	-0.001	60197190	0.0506			
2	100	10.606	10.608	-0.002	26944971	0.0503			
						RPD = 0.66			
1 4,4'-DDD									
1	100	9.319	9.318	0.001	49032652	0.0505			
2	100	10.928	10.930	-0.002	21704045	0.0508			
						RPD = 0.46			
15 Endosulfan II									
1	100	9.410	9.411	-0.001	54571554	0.0499			
2	100	10.974	10.975	-0.001	24090696	0.0496			
						RPD = 0.47			
3 4,4'-DDT									
1	100	9.834	9.835	-0.001	46440699	0.0504			
2	100	11.410	11.410	0.000	19827190	0.0501			
						RPD = 0.46			
18 Endrin aldehyde									
1	100	10.200	10.201	-0.001	43730934	0.0497			
2	100	11.532	11.532	0.000	19532823	0.0494			
						RPD = 0.43			
27 Methoxychlor									
1	100	10.780	10.780	0.000	22775450	0.0494			
2	100	12.486	12.487	-0.001	9817056	0.0492			
						RPD = 0.32			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.923	10.925	-0.002	48795973	0.0497			
2	100	11.948	11.948	0.000	21745192	0.0492			
						RPD = 1.15			
19 Endrin ketone									
1	100	11.322	11.322	0.000	57124126	0.0499			
2	100	12.700	12.699	0.001	24790369	0.0494			
						RPD = 0.96			
$ 10 DCB Decachlorobiphenyl									
1	100	12.930	12.929	0.001	46376052	0.0483			
2	100	14.417	14.415	0.002	22823566	0.0475			
						RPD = 1.70			

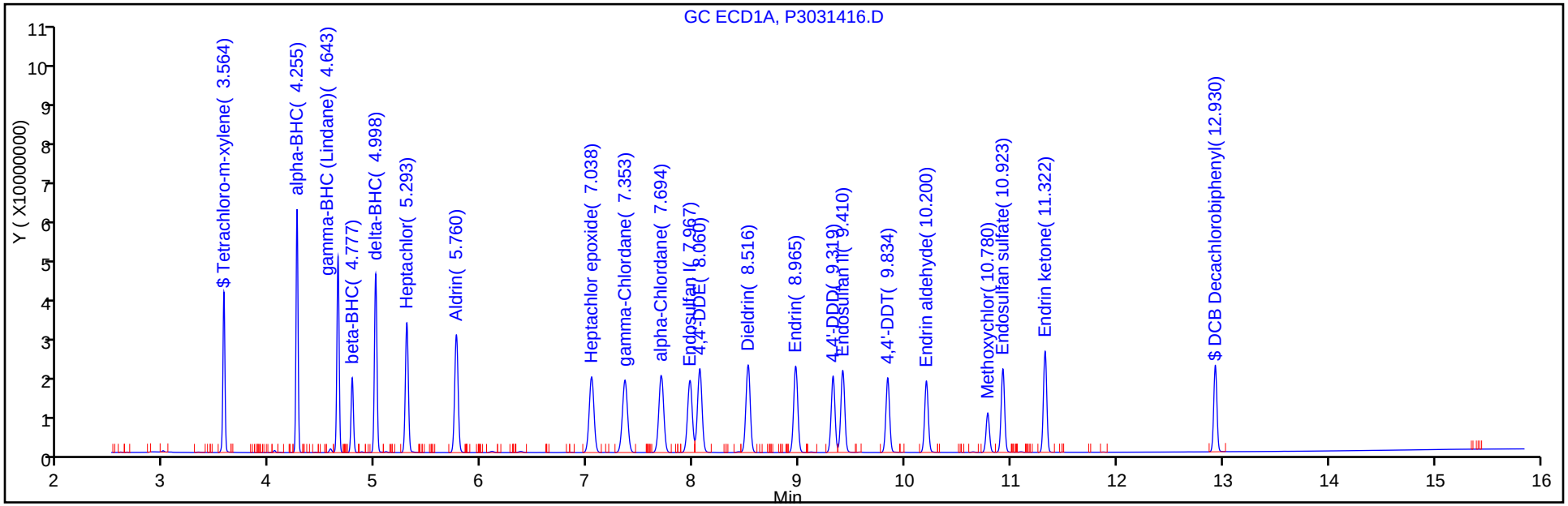
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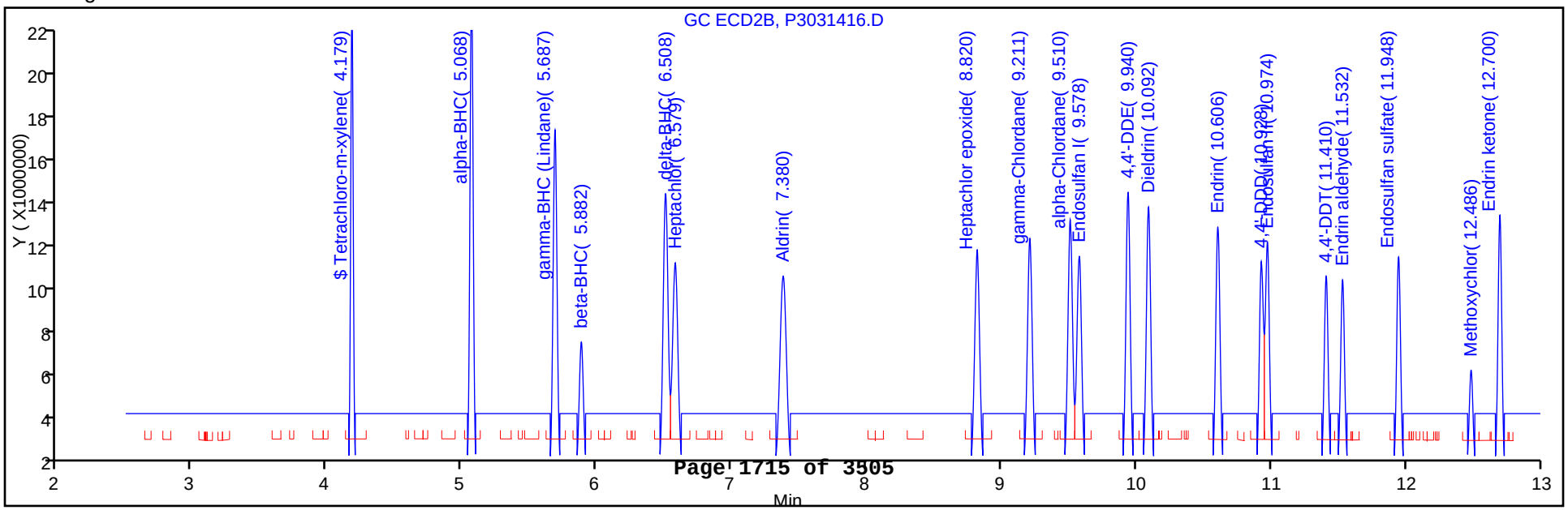
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Injection Date:	14-Mar-2013 15:20:21	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	16
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031417.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 14-Mar-2013 15:40:26 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0017984-017
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 78295 Lims Sample ID: 17
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:38 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	108498220	0.0986			
2	100	4.179	4.180	-0.001	62181454	0.1030			
						RPD = 4.30			
5 alpha-BHC									
1	100	4.256	4.255	0.001	169069280	0.1041			
2	100	5.068	5.068	0.000	83756504	0.1088			
						RPD = 4.38			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	150192651	0.1032			
2	100	5.688	5.688	0.000	72308864	0.1068			
						RPD = 3.42			
7 beta-BHC									
1	100	4.777	4.777	0.000	60054605	0.0971			
2	100	5.883	5.883	0.000	28891924	0.0977			
						RPD = 0.62			
11 delta-BHC									
1	100	4.998	4.999	-0.001	155211774	0.1049			
2	100	6.508	6.508	0.000	75035996	0.1079			
						RPD = 2.83			
22 Heptachlor									
1	100	5.294	5.293	0.001	131620345	0.1022			
2	100	6.579	6.580	-0.001	60486311	0.1038			
						RPD = 1.53			
4 Aldrin									
1	100	5.761	5.761	0.000	139831096	0.1028			
2	100	7.381	7.382	-0.001	70399564	0.1057			
						RPD = 2.76			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	123607519	0.1005			
2	100	8.821	8.821	0.000	59935339	0.1031			
						RPD = 2.56			
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	129462169	0.1025			
2	100	9.213	9.210	0.003	61228950	0.1044			
						RPD = 1.85			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	130612634	0.1013			
2	100	9.513	9.511	0.002	63433868	0.1039			
						RPD = 2.59			
14 Endosulfan I									
1	100	7.967	7.965	0.002	116265499	0.1009			
2	100	9.578	9.578	0.000	54856402	0.1032			
						RPD = 2.33			
2 4,4'-DDE									
1	100	8.059	8.060	-0.001	132266883	0.1044			
2	100	9.941	9.940	0.001	65438107	0.1073			
						RPD = 2.71			
13 Dieldrin									
1	100	8.518	8.517	0.001	130845292	0.1032			
2	100	10.093	10.092	0.001	63014184	0.1060			
						RPD = 2.73			
17 Endrin									
1	100	8.966	8.966	0.000	121362286	0.1021			
2	100	10.608	10.608	0.000	56195128	0.1049			
						RPD = 2.73			
1 4,4'-DDD									
1	100	9.319	9.318	0.001	101475837	0.1046			
2	100	10.931	10.930	0.001	45380274	0.1061			
						RPD = 1.48			
15 Endosulfan II									
1	100	9.411	9.411	0.000	110168800	0.1006			
2	100	10.975	10.975	0.000	49795219	0.1026			
						RPD = 1.89			
3 4,4'-DDT									
1	100	9.837	9.835	0.002	95899338	0.1040			
2	100	11.411	11.410	0.001	41520195	0.1050			
						RPD = 0.94			
18 Endrin aldehyde									
1	100	10.201	10.201	0.000	87045399	0.0988			
2	100	11.533	11.532	0.001	39689339	0.1005			
						RPD = 1.63			
27 Methoxychlor									
1	100	10.780	10.780	0.000	44017689	0.0954			
2	100	12.487	12.487	0.000	19442887	0.0974			
						RPD = 2.13			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	97049405	0.0989			
2	100	11.949	11.948	0.001	44455758	0.1005			
						RPD = 1.61			
19 Endrin ketone									
1	100	11.323	11.322	0.001	113796937	0.0994			
2	100	12.700	12.699	0.001	50377770	0.1004			
						RPD = 1.03			
$ 10 DCB Decachlorobiphenyl									
1	100	12.930	12.929	0.001	90947133	0.0947			
2	100	14.416	14.415	0.001	45130190	0.0939			
						RPD = 0.88			

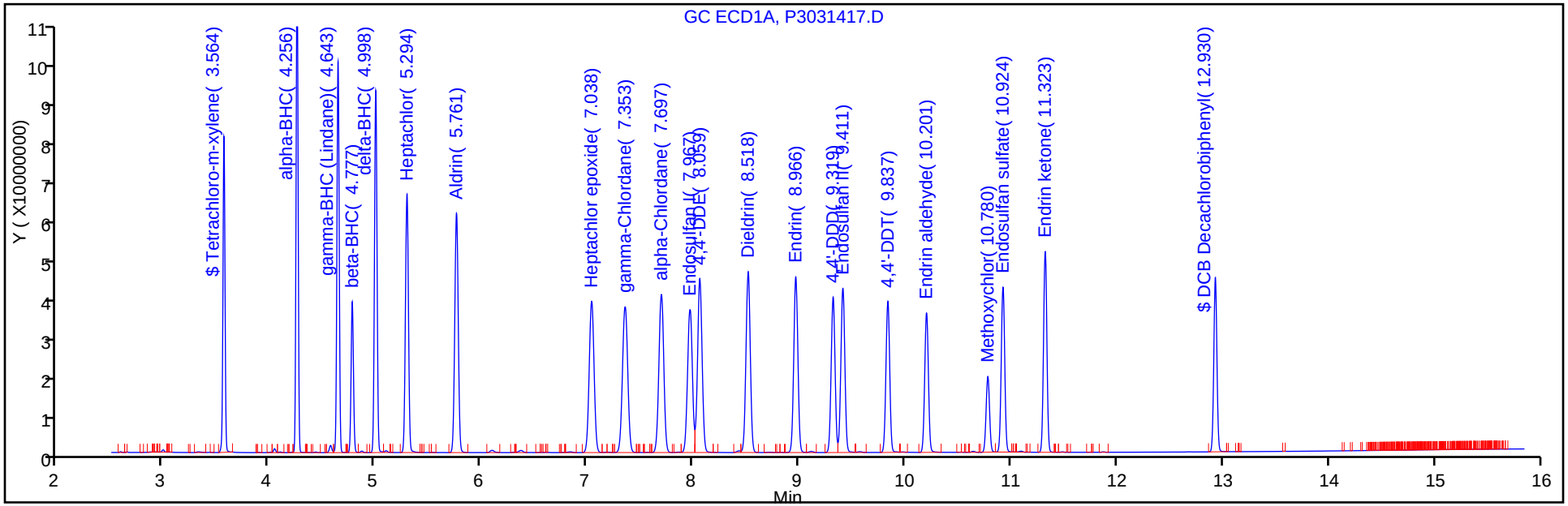
Report Date: 15-Mar-2013 07:54:39 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

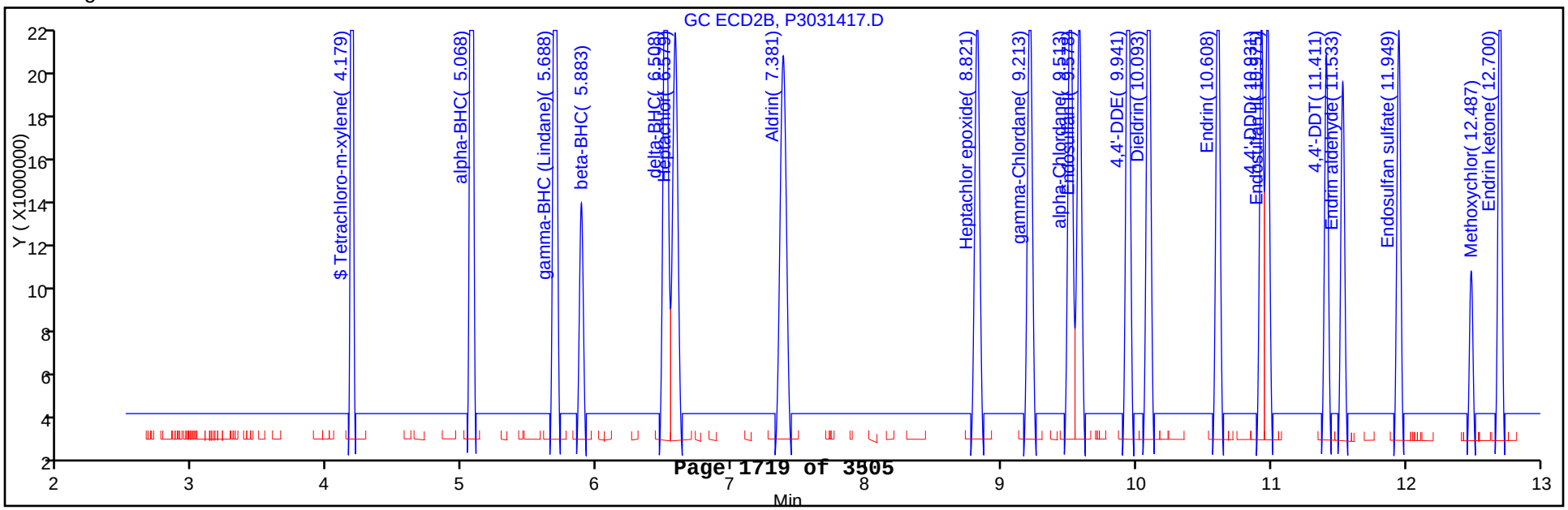
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031417.D

Injection Date:	14-Mar-2013 15:40:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	17
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031418.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 14-Mar-2013 16:00:25 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0017984-018
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 78295 Lims Sample ID: 18
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:39 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.565	3.565	0.000	212923308	0.1935			
2	100	4.180	4.180	0.000	124861403	0.2067			
						RPD = 6.60			
5 alpha-BHC									
1	100	4.255	4.255	0.000	334483518	0.2060			
2	100	5.068	5.068	0.000	170744897	0.2218			
						RPD = 7.37			
20 gamma-BHC (Lindane)									
1	100	4.642	4.643	-0.001	296394748	0.2037			
2	100	5.688	5.688	0.000	147384358	0.2177			
						RPD = 6.65			
7 beta-BHC									
1	100	4.777	4.777	0.000	118080169	0.1909			
2	100	5.882	5.883	-0.001	58136075	0.1966			
						RPD = 2.93			
11 delta-BHC									
1	100	4.999	4.999	0.000	306957333	0.2074			
2	100	6.507	6.508	-0.001	154642052	0.2223			
						RPD = 6.95			
22 Heptachlor									
1	100	5.293	5.293	0.000	256221914	0.1989			
2	100	6.578	6.580	-0.002	124246413	0.2131			
						RPD = 6.90			
4 Aldrin									
1	100	5.761	5.761	0.000	274608679	0.2019			
2	100	7.381	7.382	-0.001	144590532	0.2171			
						RPD = 7.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	240083019	0.1952			
2	100	8.821	8.821	0.000	120775880	0.2078			
						RPD = 6.24			
21 gamma-Chlordane									
1	100	7.354	7.355	-0.001	258135056	0.2043			
2	100	9.212	9.210	0.002	125706508	0.2143			
						RPD = 4.77			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	258882055	0.2007			
2	100	9.511	9.511	0.000	129650177	0.2124			
						RPD = 5.66			
14 Endosulfan I									
1	100	7.967	7.965	0.002	225983627	0.1961			
2	100	9.580	9.578	0.002	111067818	0.2090			
						RPD = 6.41			
2 4,4'-DDE									
1	100	8.060	8.060	0.000	263138642	0.2078			
2	100	9.940	9.940	0.000	134480335	0.2205			
						RPD = 5.95			
13 Dieldrin									
1	100	8.517	8.517	0.000	255983421	0.2018			
2	100	10.093	10.092	0.001	128443491	0.2161			
						RPD = 6.84			
17 Endrin									
1	100	8.966	8.966	0.000	235250743	0.1978			
2	100	10.608	10.608	0.000	113969943	0.2127			
						RPD = 7.25			
1 4,4'-DDD									
1	100	9.320	9.318	0.002	202556675	0.2088			
2	100	10.930	10.930	0.000	94344525	0.2207			
						RPD = 5.55			
15 Endosulfan II									
1	100	9.411	9.411	0.000	214458063	0.1959			
2	100	10.975	10.975	0.000	99422834	0.2048			
						RPD = 4.43			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	192701152	0.2090			
2	100	11.412	11.410	0.002	86159827	0.2178			
						RPD = 4.16			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	169102782	0.1920			
2	100	11.534	11.532	0.002	80703275	0.2043			
						RPD = 6.19			
27 Methoxychlor									
1	100	10.780	10.780	0.000	86082179	0.1866			
2	100	12.486	12.487	-0.001	38867941	0.1948			
						RPD = 4.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	189248380	0.1929			
2	100	11.949	11.948	0.001	90036300	0.2036			
						RPD = 5.39			
19 Endrin ketone									
1	100	11.321	11.322	-0.001	219666410	0.1919			
2	100	12.698	12.699	-0.001	101055206	0.2015			
						RPD = 4.87			
$ 10 DCB Decachlorobiphenyl									
1	100	12.928	12.929	-0.001	177905379	0.1853			
2	100	14.416	14.415	0.001	90371817	0.1880			
						RPD = 1.46			

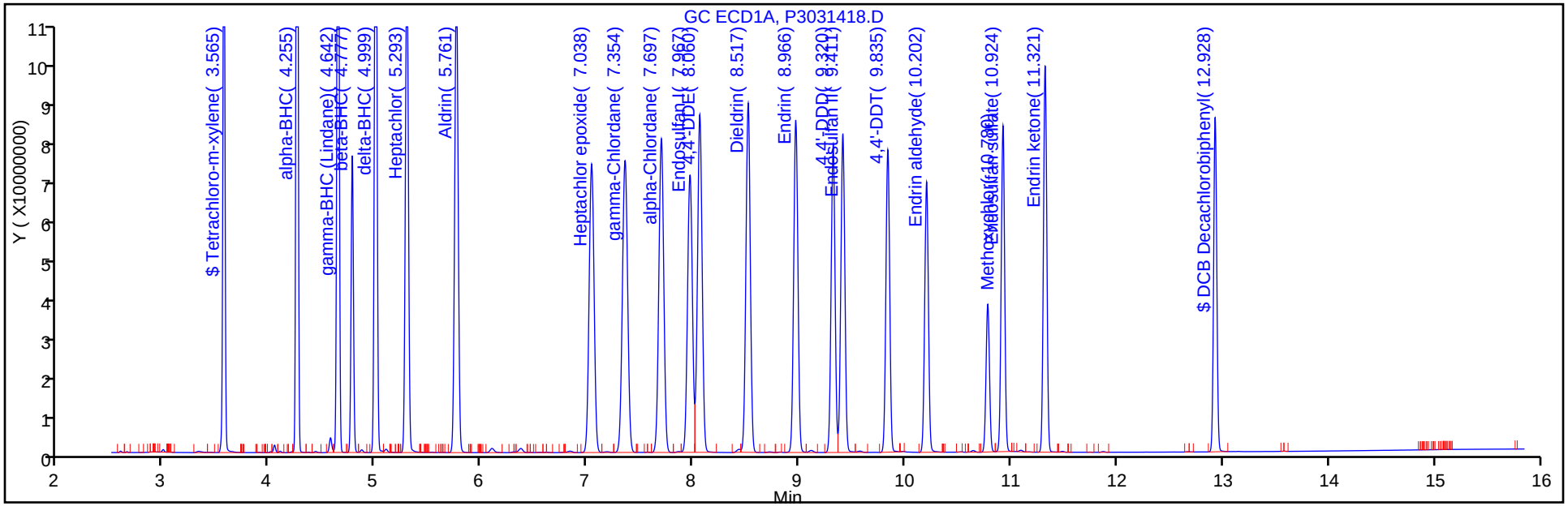
Report Date: 15-Mar-2013 07:54:41 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

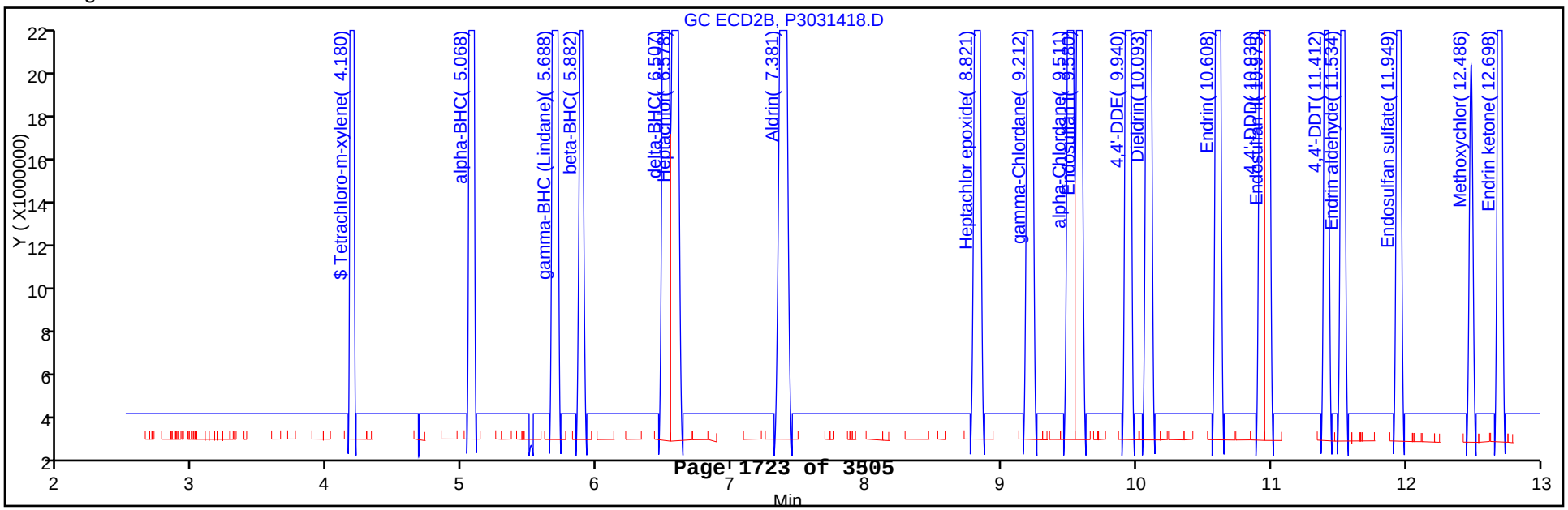
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Injection Date:	14-Mar-2013 16:00:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	18
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 16:40 Calibration End Date: 03/14/2013 18:00 Calibration ID: 14144

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/20	P3031420.D
Level 2	STD 240-78295/21	P3031421.D
Level 3	STD 240-78295/22	P3031422.D
Level 4	STD 240-78295/23	P3031423.D
Level 5	STD 240-78295/24	P3031424.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	10.390	10.388	10.386	10.389	10.388						10.356 - 10.416	10.388
Toxaphene Peak 2	10.729	10.729	10.729	10.730	10.728						10.699 - 10.759	10.729
Toxaphene Peak 3	10.878	10.880	10.879	10.878	10.878						10.849 - 10.909	10.879
Toxaphene Peak 4	11.293	11.293	11.292	11.293	11.293						11.262 - 11.322	11.293
Toxaphene Peak 5	11.559	11.560	11.560	11.560	11.560						11.530 - 11.590	11.560

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 16:40 Calibration End Date: 03/14/2013 18:00 Calibration ID: 14144

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/20	P3031420.D
Level 2	STD 240-78295/21	P3031421.D
Level 3	STD 240-78295/22	P3031422.D
Level 4	STD 240-78295/23	P3031423.D
Level 5	STD 240-78295/24	P3031424.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	46430205 52746961	45477078	49314516	50796553	Ave		48953062.5				6.2		20.0			
Toxaphene Peak 2	48131625 53752604	46814060	49873719	50406411	Ave		49795683.8				5.3		20.0			
Toxaphene Peak 3	38899190 44421911	38060400	41893479	41797883	Ave		41014572.5				6.2		20.0			
Toxaphene Peak 4	29212980 34956196	28727320	31123539	31863835	Ave		31176773.8				8.0		20.0			
Toxaphene Peak 5	23685020 30462781	23897404	25877371	26865579	Ave		26157631.0				11.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 16:40 Calibration End Date: 03/14/2013 18:00 Calibration ID: 14144

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/20	P3031420.D
Level 2	STD 240-78295/21	P3031421.D
Level 3	STD 240-78295/22	P3031422.D
Level 4	STD 240-78295/23	P3031423.D
Level 5	STD 240-78295/24	P3031424.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	9286041	22738539	49314516	101593105	263734805	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	9626325	23407030	49873719	100812821	268763022	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	7779838	19030200	41893479	83595765	222109554	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	5842596	14363660	31123539	63727669	174780978	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	4737004	11948702	25877371	53731158	152313906	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D
Lims ID: STD TOX 1 Client ID:
Inject. Date: 14-Mar-2013 16:40:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0017984-020
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 78295 Lims Sample ID: 20
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:42 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:29:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.390	10.386	0.004	9286041	0.1897		100.0	M
1	2	10.729	10.729	0.000	9626325	0.1933	81.1- 121.1	103.7	M
1	3	10.878	10.879	-0.001	7779838	0.1897	65.0- 105.0	83.8	M
1	4	11.293	11.292	0.001	5842596	0.1874	43.1- 83.1	62.9	M
1	5	11.559	11.560	-0.001	4737004	0.1811	32.5- 72.5	51.0	M
			Average of Peak Amounts =			0.1882			
2	100	10.531	10.532	-0.001	3281298	0.1944		100.0	M
2	2	11.116	11.117	-0.001	4109675	0.1908	108.3- 148.3	125.2	M
2	3	11.534	11.535	-0.001	4939341	0.1898	134.7- 174.7	150.5	M
2	4	12.277	12.278	-0.001	5869539	0.1936	157.2- 197.2	178.9	M
2	5	12.838	12.837	0.001	2401522	0.1965	51.7- 91.7	73.2	M
			Average of Peak Amounts =			0.1930			
						RPD = 2.50			

QC Flag Legend

Review Flags
M - Manually Integrated

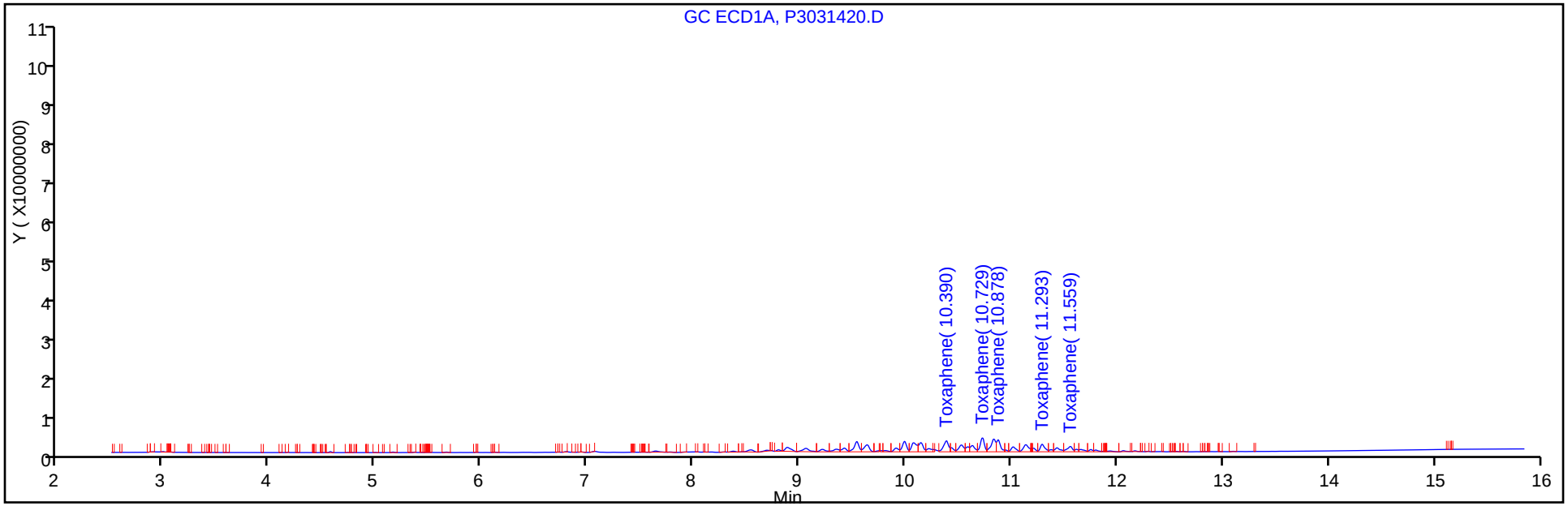
Report Date: 15-Mar-2013 07:54:43 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

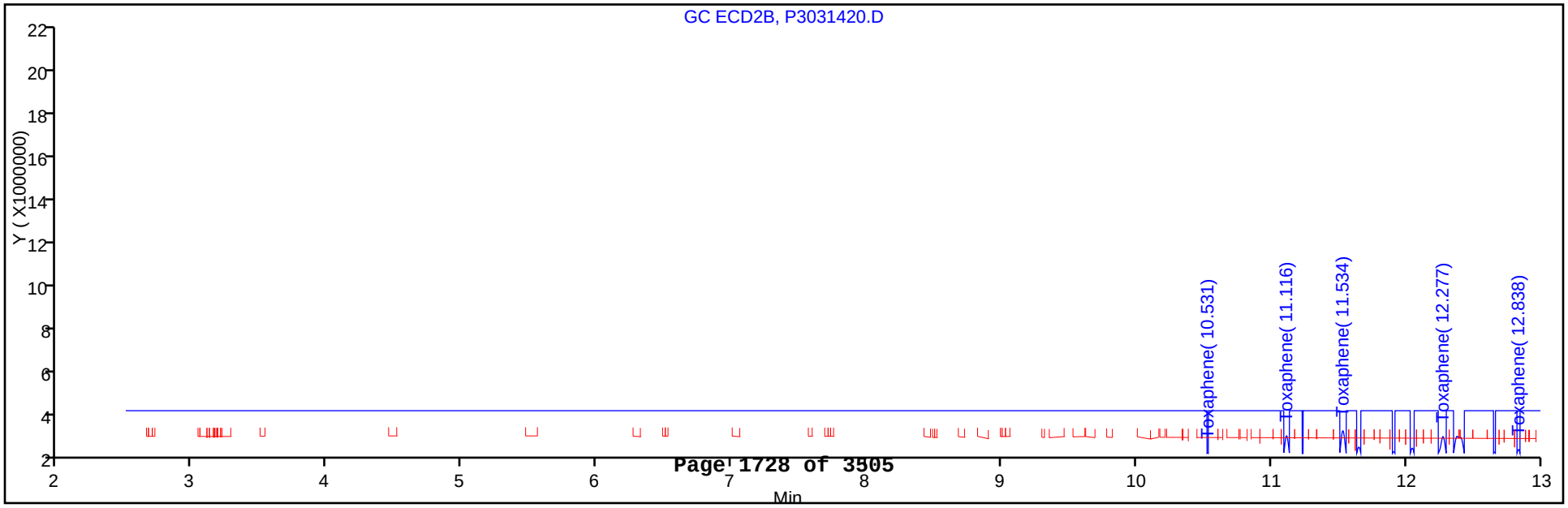
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Injection Date:	14-Mar-2013 16:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



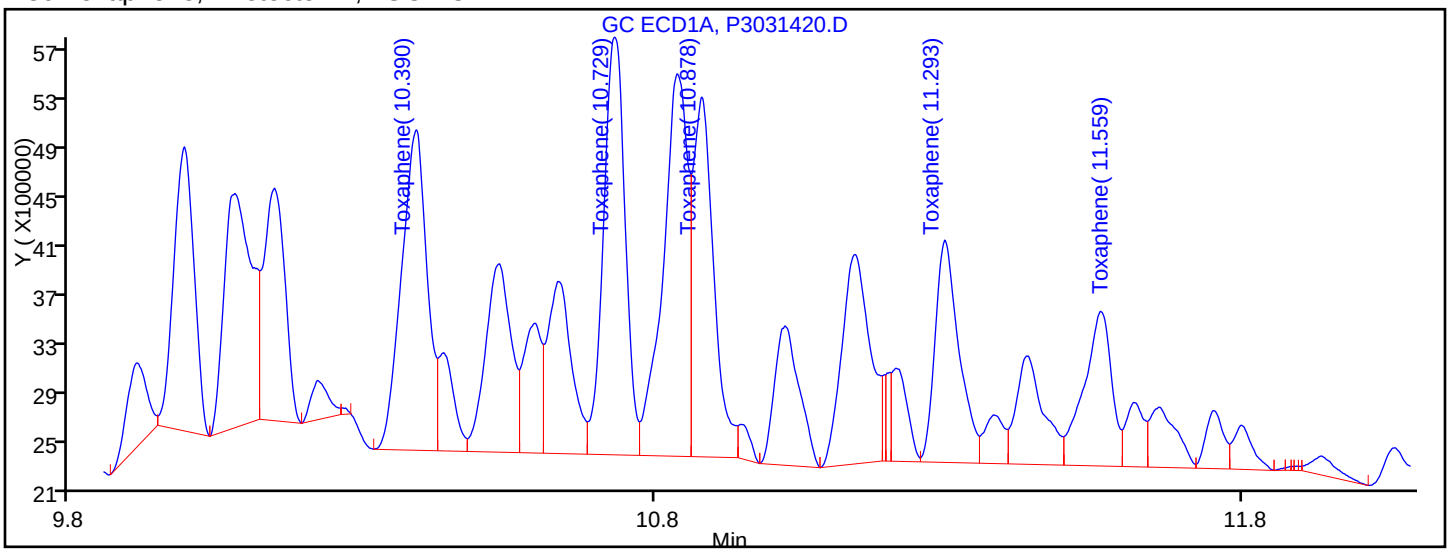
Report Date: 15-Mar-2013 07:54:44 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D

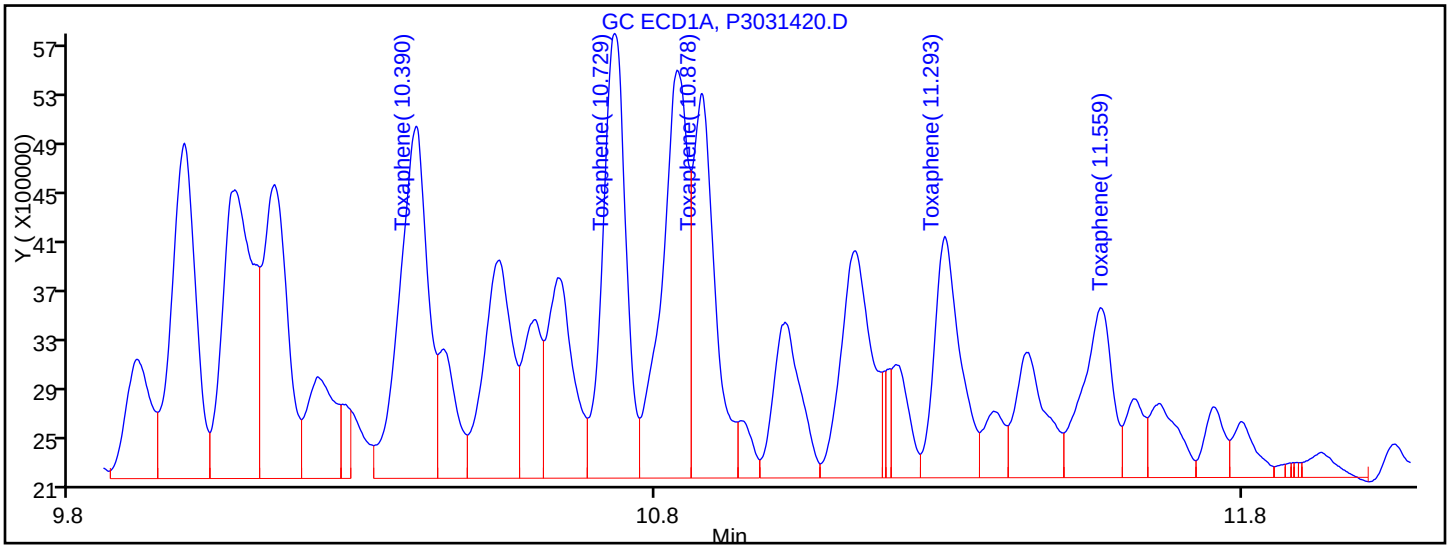
Injection Date:	14-Mar-2013 16:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.390	Response = 7643281	M
RT = 10.729	Response = 8493936	M
RT = 10.878	Response = 6855372	M
RT = 11.293	Response = 4945590	M
RT = 11.559	Response = 4009207	M



Manual Integration Results

RT = 10.390	Response = 9286041	M
RT = 10.729	Response = 9626325	M
RT = 10.878	Response = 7779838	M
RT = 11.293	Response = 5842596	M
RT = 11.559	Response = 4737004	M

Reviewer: shockr, 15-Mar-2013 07:29:23

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031421.D
Lims ID: STD TOX2 Client ID:
Inject. Date: 14-Mar-2013 17:00:29 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0017984-021
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 78295 Lims Sample ID: 21
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:44 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:29:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.388	10.386	0.002	22738539	0.4645		100.0	M
1	2	10.729	10.729	0.000	23407030	0.4701	81.1- 121.1	102.9	M
1	3	10.880	10.879	0.001	19030200	0.4640	65.0- 105.0	83.7	M
1	4	11.293	11.292	0.001	14363660	0.4607	43.1- 83.1	63.2	M
1	5	11.560	11.560	0.000	11948702	0.4568	32.5- 72.5	52.5	M
			Average of Peak Amounts =			0.4632			
2	100	10.530	10.532	-0.002	8055636	0.4771		100.0	
2	2	11.117	11.117	0.000	10189844	0.4732	108.3- 148.3	126.5	
2	3	11.533	11.535	-0.002	12265920	0.4712	134.7- 174.7	152.3	
2	4	12.277	12.278	-0.001	14593260	0.4814	157.2- 197.2	181.2	
2	5	12.836	12.837	-0.001	5822614	0.4764	51.7- 91.7	72.3	
			Average of Peak Amounts =			0.4759			
						RPD = 2.69			

QC Flag Legend

Review Flags
M - Manually Integrated

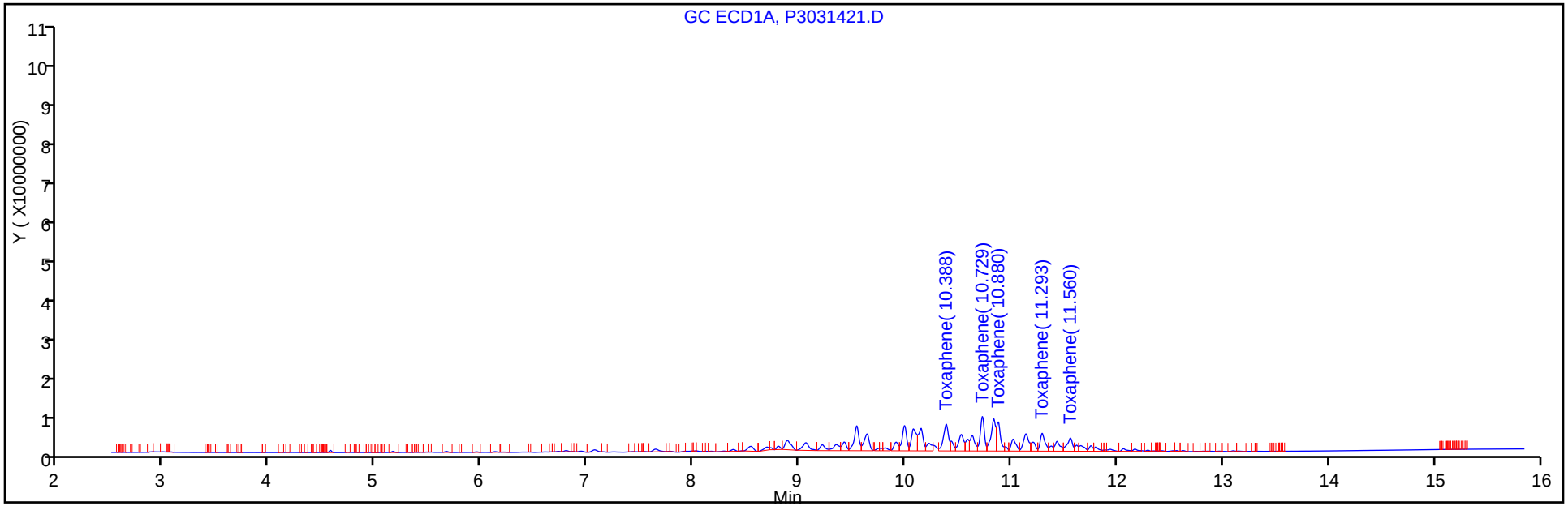
Report Date: 15-Mar-2013 07:54:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

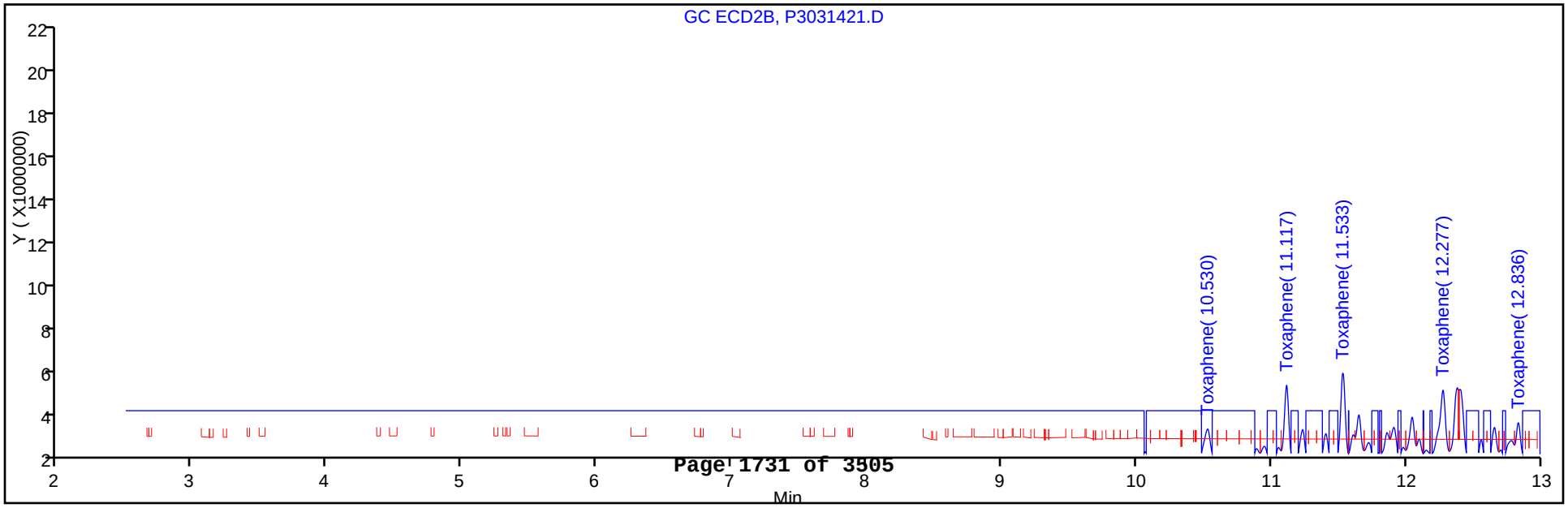
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031421.D

Injection Date:	14-Mar-2013 17:00:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



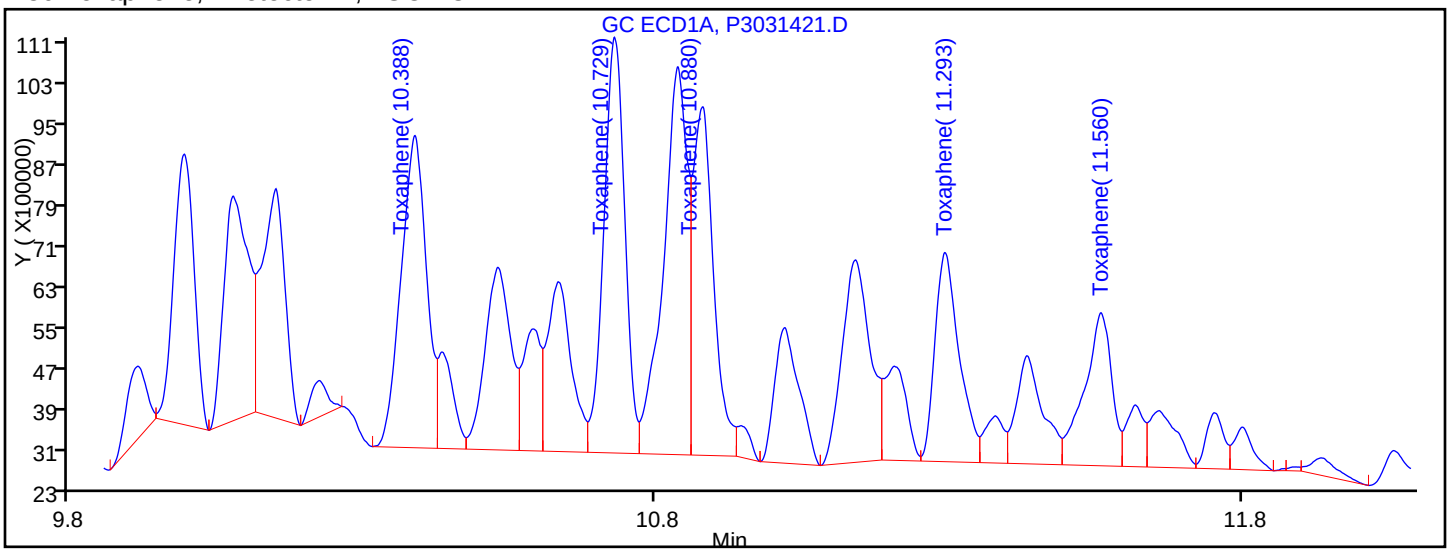
Report Date: 15-Mar-2013 07:54:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031421.D

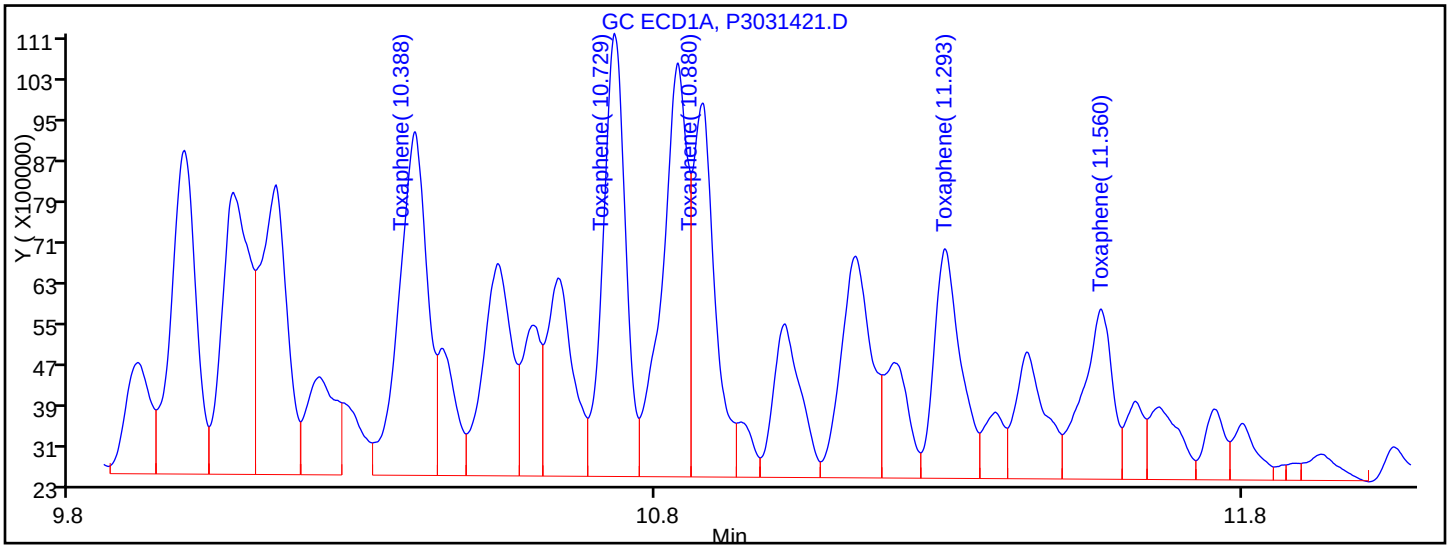
Injection Date:	14-Mar-2013 17:00:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.388	Response = 18610725	M
RT = 10.729	Response = 20567473	M
RT = 10.880	Response = 16728794	M
RT = 11.293	Response = 11952490	M
RT = 11.560	Response = 9853335	M



Manual Integration Results

RT = 10.388	Response = 22738539	M
RT = 10.729	Response = 23407030	M
RT = 10.880	Response = 19030200	M
RT = 11.293	Response = 14363660	M
RT = 11.560	Response = 11948702	M

Reviewer: shockr, 15-Mar-2013 07:33:59

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D
Lims ID: STD TOX3 Client ID:
Inject. Date: 14-Mar-2013 17:20:29 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0017984-022
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 78295 Lims Sample ID: 22
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:46 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:28:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.386	10.386	0.000	49314516	1.01		100.0	M
1	2	10.729	10.729	0.000	49873719	1.00	81.1- 121.1	101.1	M
1	3	10.879	10.879	0.000	41893479	1.02	65.0- 105.0	85.0	M
1	4	11.292	11.292	0.000	31123539	1.00	43.1- 83.1	63.1	M
1	5	11.560	11.560	0.000	25877371	0.9893	32.5- 72.5	52.5	M
			Average of Peak Amounts =			1.00			
2	100	10.532	10.532	0.000	16682993	0.9881		100.0	M
2	2	11.117	11.117	0.000	21412233	0.99	108.3- 148.3	128.3	M
2	3	11.535	11.535	0.000	25814822	0.99	134.7- 174.7	154.7	M
2	4	12.278	12.278	0.000	29558438	0.9750	157.2- 197.2	177.2	M
2	5	12.837	12.837	0.000	11963681	0.9788	51.7- 91.7	71.7	M
			Average of Peak Amounts =			0.9856			
						RPD = 1.81			

QC Flag Legend

Review Flags
M - Manually Integrated

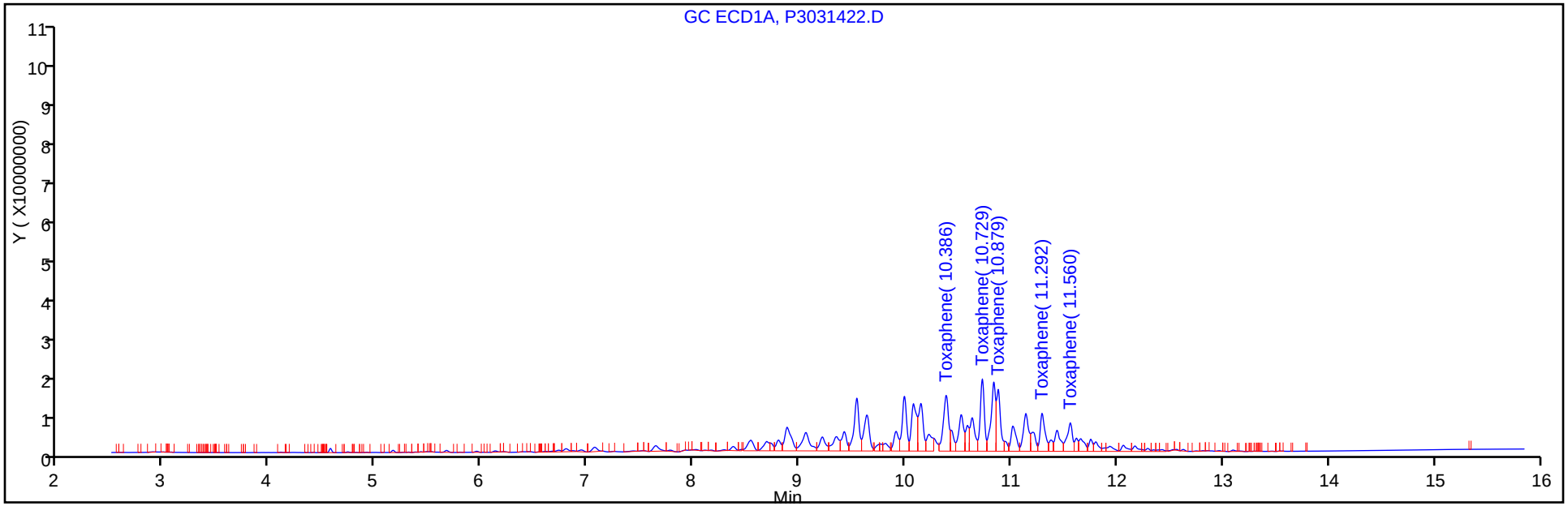
Report Date: 15-Mar-2013 07:54:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

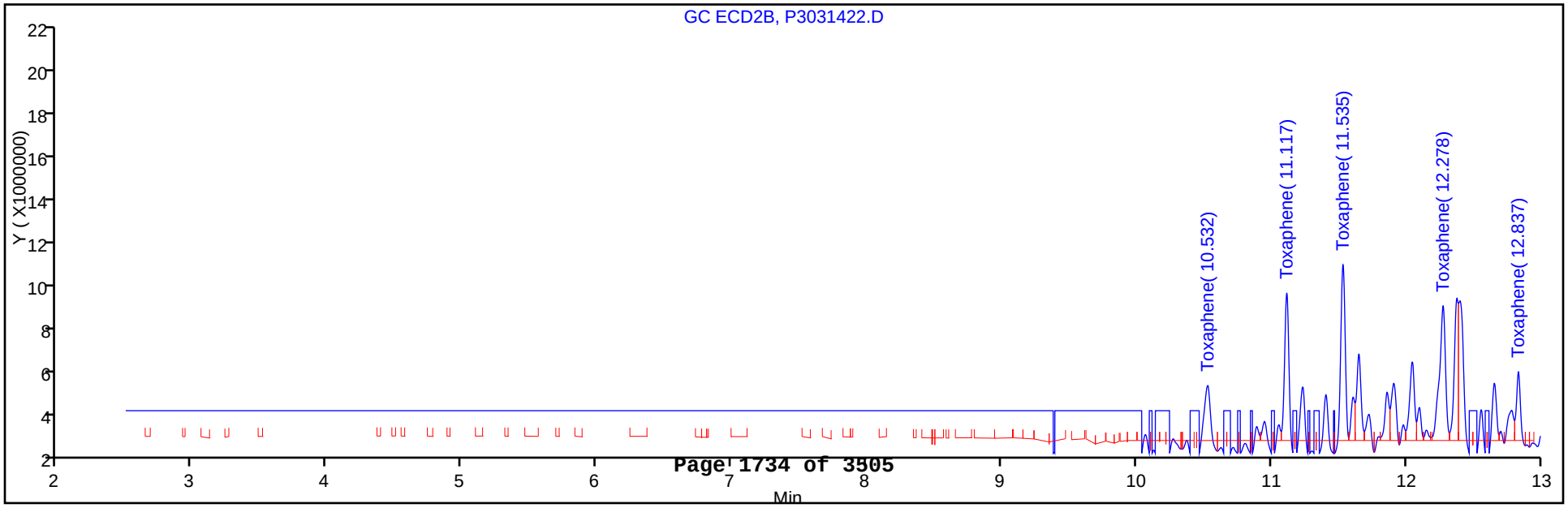
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D

Injection Date:	14-Mar-2013 17:20:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	22
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



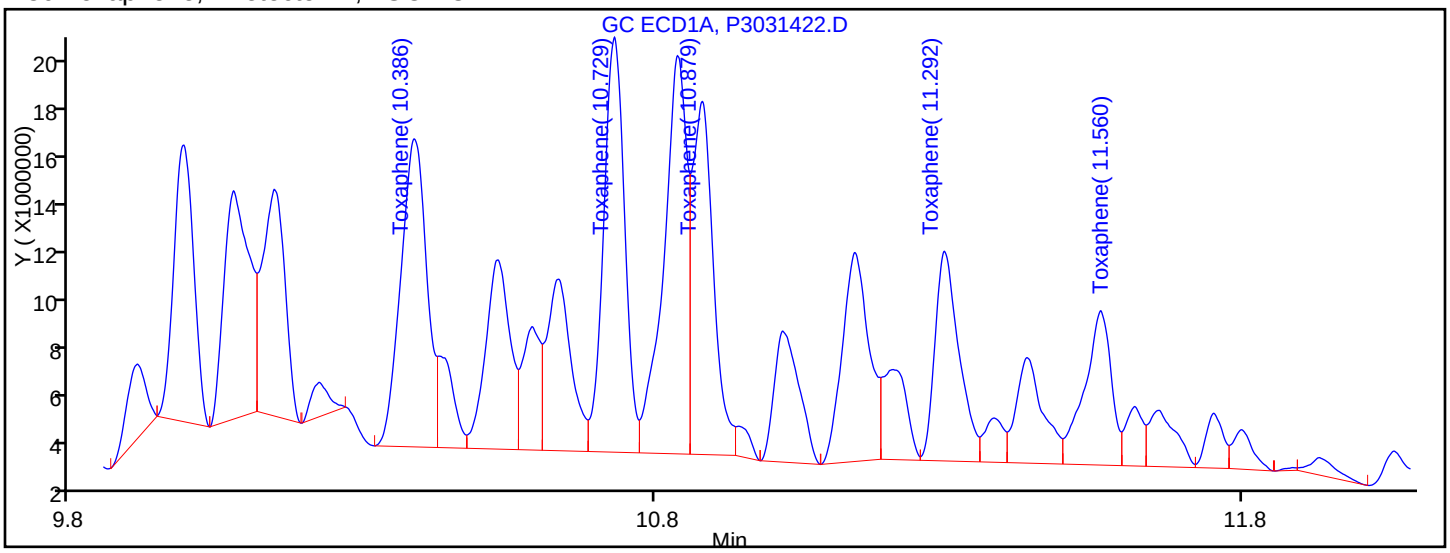
Report Date: 15-Mar-2013 07:54:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D

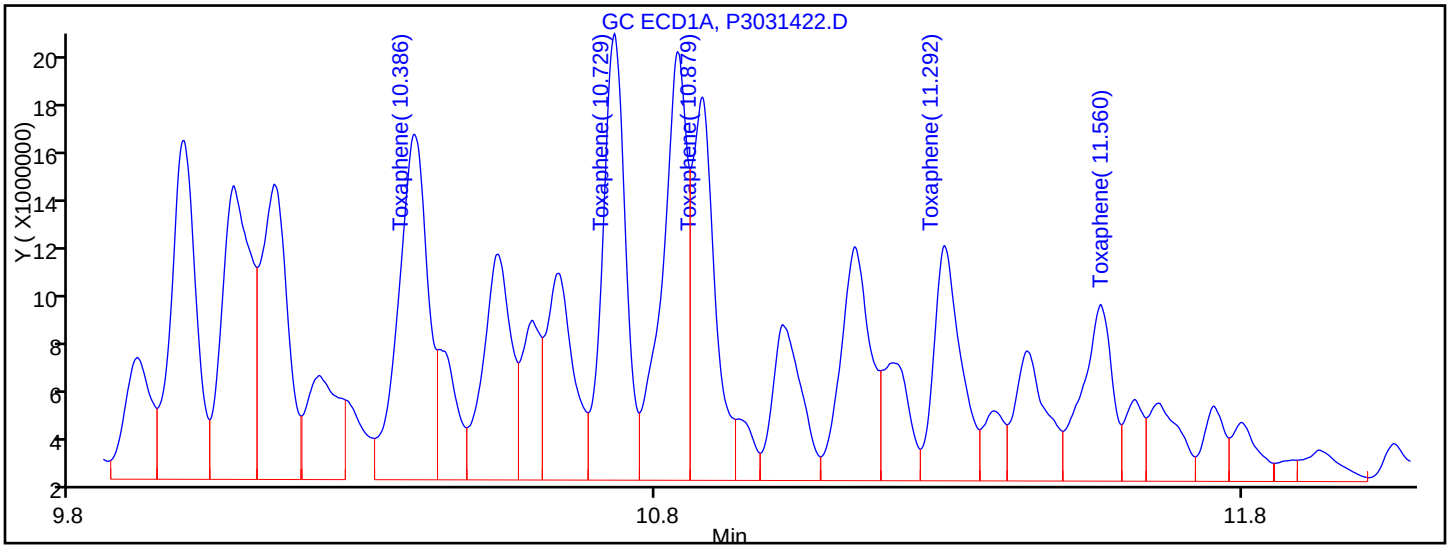
Injection Date:	14-Mar-2013 17:20:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	22
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.386	Response = 38637322	M
RT = 10.729	Response = 42263636	M
RT = 10.879	Response = 35609227	M
RT = 11.292	Response = 24313624	M
RT = 11.560	Response = 19975418	M



Manual Integration Results

RT = 10.386	Response = 49314516	M
RT = 10.729	Response = 49873719	M
RT = 10.879	Response = 41893479	M
RT = 11.292	Response = 31123539	M
RT = 11.560	Response = 25877371	M

Reviewer: shockr, 15-Mar-2013 07:28:50

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031423.D
Lims ID: STD TOX4 Client ID:
Inject. Date: 14-Mar-2013 17:40:27 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0017984-023
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 78295 Lims Sample ID: 23
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:47 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:34:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	1	10.389	10.386	0.003	101593105	2.08		100.0	
1	2	10.730	10.729	0.001	100812821	2.02	81.1- 121.1	99.2	
1	3	10.878	10.879	-0.001	83595765	2.04	65.0- 105.0	82.3	
1	4	11.293	11.292	0.001	63727669	2.04	43.1- 83.1	62.7	
1	5	11.560	11.560	0.000	53731158	2.05	32.5- 72.5	52.9	
			Average of Peak Amounts =			2.05			
2	100	10.531	10.532	-0.001	31704777	1.88		100.0	
2	2	11.116	11.117	-0.001	42103609	1.96	108.3- 148.3	132.8	
2	3	11.534	11.535	-0.001	51048064	1.96	134.7- 174.7	161.0	
2	4	12.277	12.278	-0.001	58482091	1.93	157.2- 197.2	184.5	A
2	5	12.835	12.837	-0.002	23411889	1.92	51.7- 91.7	73.8	A
			Average of Peak Amounts =			1.93			
						RPD = 6.01			

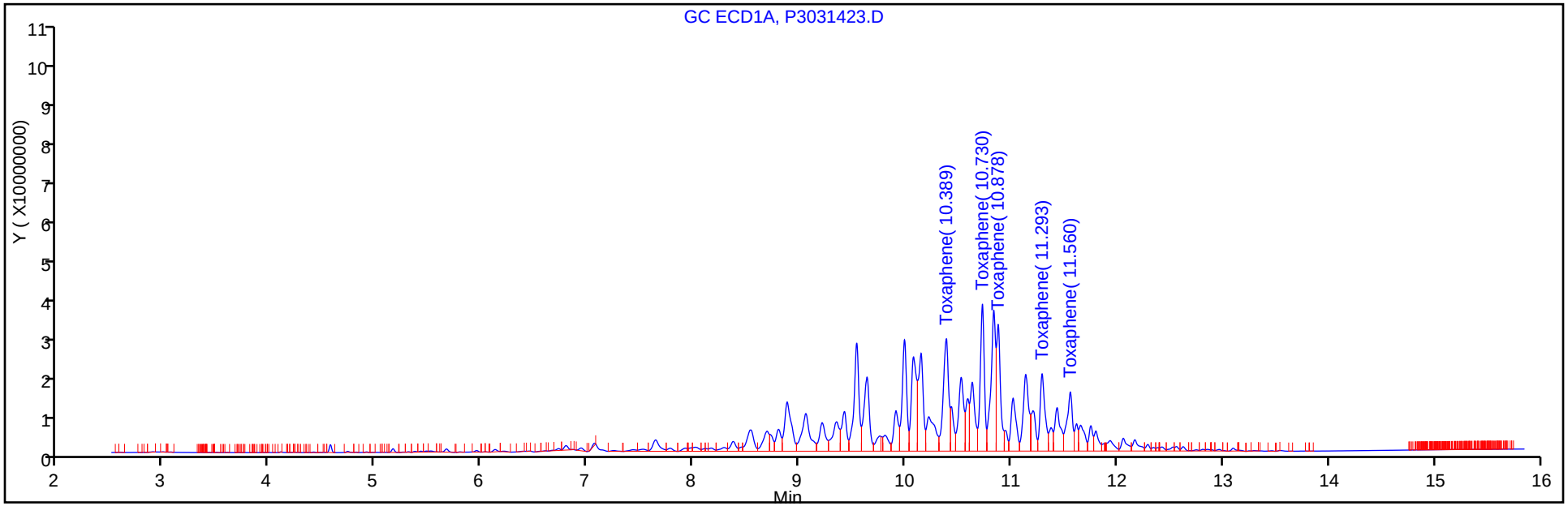
Report Date: 15-Mar-2013 07:54:48 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

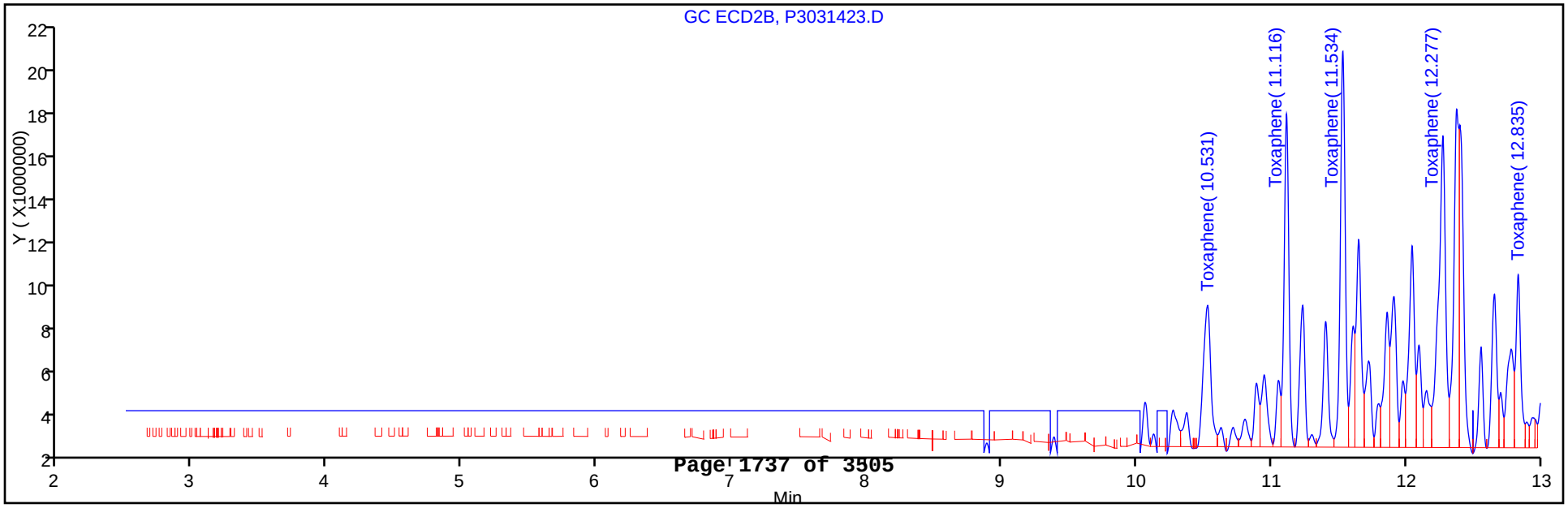
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031423.D

Injection Date:	14-Mar-2013 17:40:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	23
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D
Lims ID: STD TOX5 Client ID:
Inject. Date: 14-Mar-2013 18:00:27 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0017984-024
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 78295 Lims Sample ID: 24
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:49 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:28:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.388	10.386	0.002	263734805	5.39		100.0	M
1	2	10.728	10.729	-0.001	268763022	5.40	81.1- 121.1	101.9	M
1	3	10.878	10.879	-0.001	222109554	5.42	65.0- 105.0	84.2	M
1	4	11.293	11.292	0.001	174780978	5.61	43.1- 83.1	66.3	M
1	5	11.560	11.560	0.000	152313906	5.82	32.5- 72.5	57.8	M
			Average of Peak Amounts =			5.53			
2	100	10.530	10.532	-0.002	96812641	5.73		100.0	M
2	2	11.117	11.117	0.000	121391530	5.64	108.3- 148.3	125.4	M
2	3	11.533	11.535	-0.002	147899283	5.68	134.7- 174.7	152.8	M
2	4	12.277	12.278	-0.001	171218541	5.65	157.2- 197.2	176.9	M
2	5	12.837	12.837	0.000	68962047	5.64	51.7- 91.7	71.2	M
			Average of Peak Amounts =			5.67			
						RPD = 2.55			

QC Flag Legend

Review Flags
M - Manually Integrated

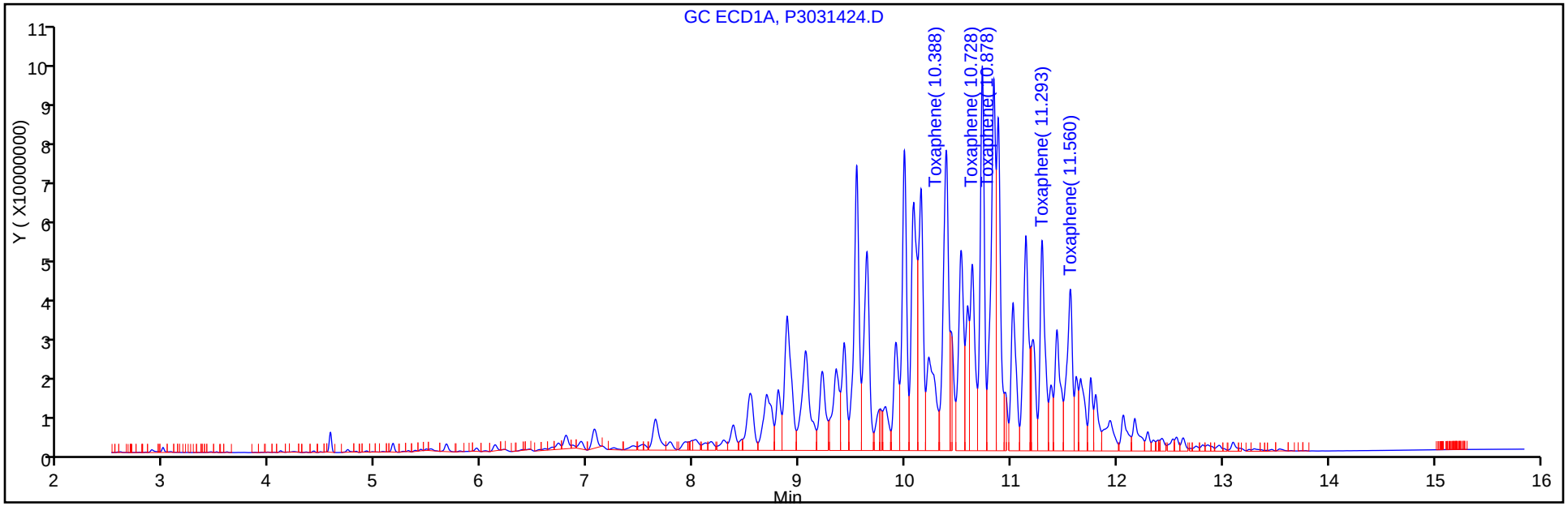
Report Date: 15-Mar-2013 07:54:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

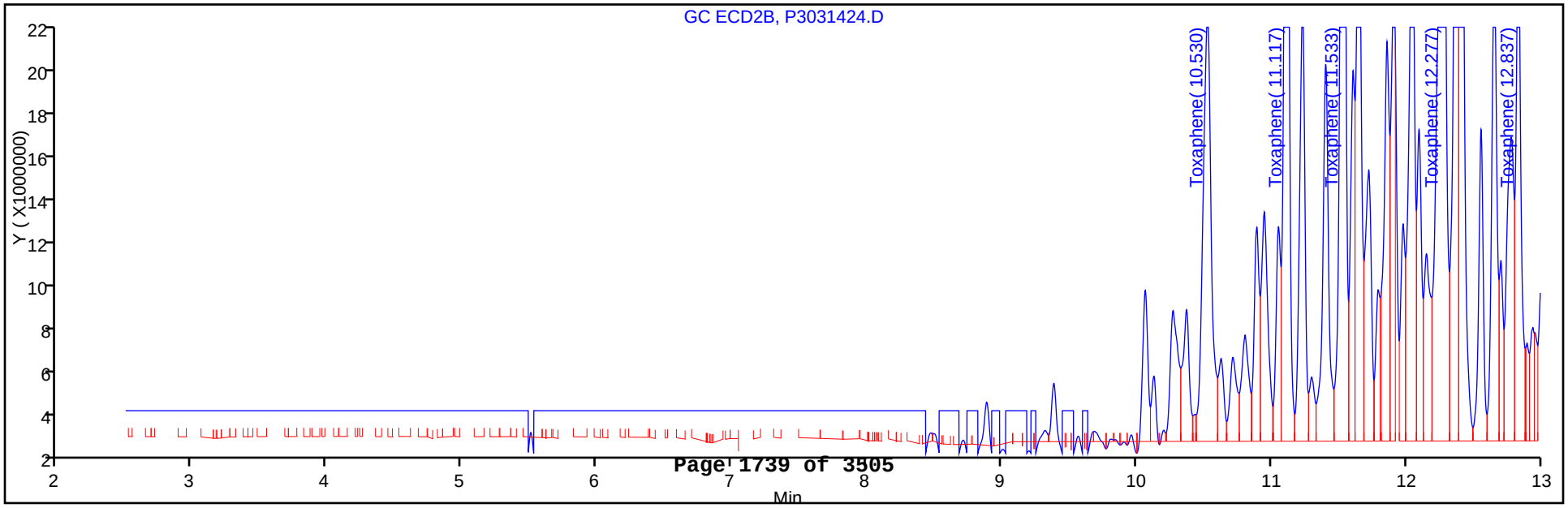
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D

Injection Date:	14-Mar-2013 18:00:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



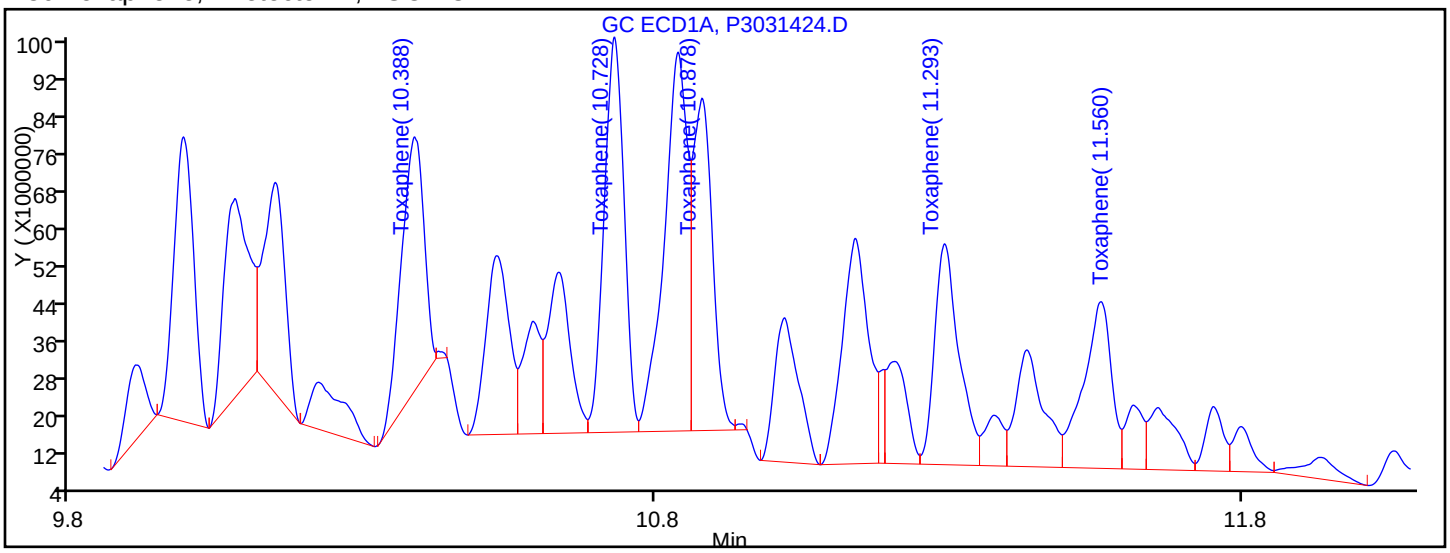
Report Date: 15-Mar-2013 07:54:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D

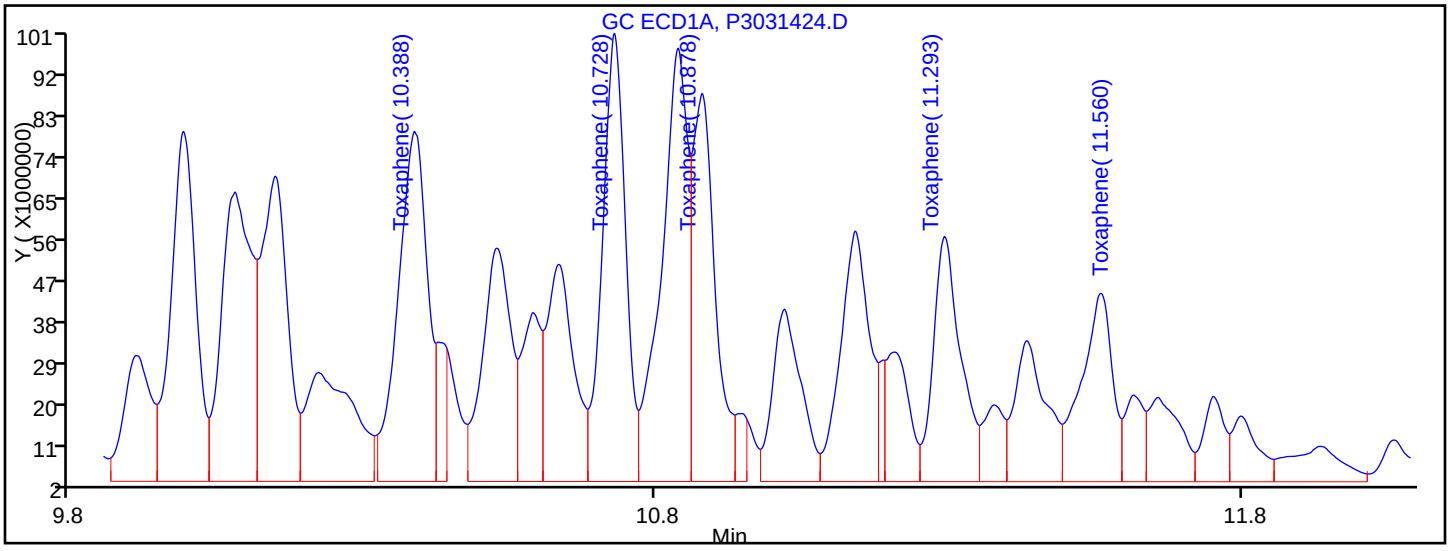
Injection Date:	14-Mar-2013 18:00:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.388	Response = 147514841	M
RT = 10.728	Response = 201031410	M
RT = 10.878	Response = 161632618	M
RT = 11.293	Response = 137646578	M
RT = 11.560	Response = 119465882	M



Manual Integration Results

RT = 10.388	Response = 263734805	M
RT = 10.728	Response = 268763022	M
RT = 10.878	Response = 222109554	M
RT = 11.293	Response = 174780978	M
RT = 11.560	Response = 152313906	M

Reviewer: shockr, 15-Mar-2013 07:28:30

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 16:40 Calibration End Date: 03/14/2013 18:00 Calibration ID: 14145

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/20	P3031420.D
Level 2	STD 240-78295/21	P3031421.D
Level 3	STD 240-78295/22	P3031422.D
Level 4	STD 240-78295/23	P3031423.D
Level 5	STD 240-78295/24	P3031424.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	10.531	10.530	10.532	10.531	10.530						10.502 - 10.562	10.531
Toxaphene Peak 2	11.116	11.117	11.117	11.116	11.117						11.087 - 11.147	11.117
Toxaphene Peak 3	11.534	11.533	11.535	11.534	11.533						11.505 - 11.565	11.534
Toxaphene Peak 4	12.277	12.277	12.278	12.277	12.277						12.248 - 12.308	12.277
Toxaphene Peak 5	12.838	12.836	12.837	12.835	12.837						12.807 - 12.867	12.837

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 16:40 Calibration End Date: 03/14/2013 18:00 Calibration ID: 14145

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/20	P3031420.D
Level 2	STD 240-78295/21	P3031421.D
Level 3	STD 240-78295/22	P3031422.D
Level 4	STD 240-78295/23	P3031423.D
Level 5	STD 240-78295/24	P3031424.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	16406490 19362528	16111272	16682993	15852389	Ave		16883134.3				8.4		20.0			
Toxaphene Peak 2	20548375 24278306	20379688	21412233	21051805	Ave		21534081.3				7.4		20.0			
Toxaphene Peak 3	24696705 29579857	24531840	25814822	25524032	Ave		26029451.1				7.9		20.0			
Toxaphene Peak 4	29347695 34243708	29186520	29558438	29241046	Ave		30315481.3				7.3		20.0			
Toxaphene Peak 5	12007610 13792409	11645228	11963681	11705945	Ave		12222974.6				7.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 78295

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 16:40 Calibration End Date: 03/14/2013 18:00 Calibration ID: 14145

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78295/20	P3031420.D
Level 2	STD 240-78295/21	P3031421.D
Level 3	STD 240-78295/22	P3031422.D
Level 4	STD 240-78295/23	P3031423.D
Level 5	STD 240-78295/24	P3031424.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	3281298	8055636	16682993	31704777	96812641	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	4109675	10189844	21412233	42103609	121391530	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	4939341	12265920	25814822	51048064	147899283	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	5869539	14593260	29558438	58482091	171218541	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	2401522	5822614	11963681	23411889	68962047	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D
Lims ID: STD TOX 1 Client ID:
Inject. Date: 14-Mar-2013 16:40:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0017984-020
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 78295 Lims Sample ID: 20
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:42 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:29:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.390	10.386	0.004	9286041	0.1897		100.0	M
1	2	10.729	10.729	0.000	9626325	0.1933	81.1- 121.1	103.7	M
1	3	10.878	10.879	-0.001	7779838	0.1897	65.0- 105.0	83.8	M
1	4	11.293	11.292	0.001	5842596	0.1874	43.1- 83.1	62.9	M
1	5	11.559	11.560	-0.001	4737004	0.1811	32.5- 72.5	51.0	M
			Average of Peak Amounts =			0.1882			
2	100	10.531	10.532	-0.001	3281298	0.1944		100.0	M
2	2	11.116	11.117	-0.001	4109675	0.1908	108.3- 148.3	125.2	M
2	3	11.534	11.535	-0.001	4939341	0.1898	134.7- 174.7	150.5	M
2	4	12.277	12.278	-0.001	5869539	0.1936	157.2- 197.2	178.9	M
2	5	12.838	12.837	0.001	2401522	0.1965	51.7- 91.7	73.2	M
			Average of Peak Amounts =			0.1930			
						RPD = 2.50			

QC Flag Legend

Review Flags
M - Manually Integrated

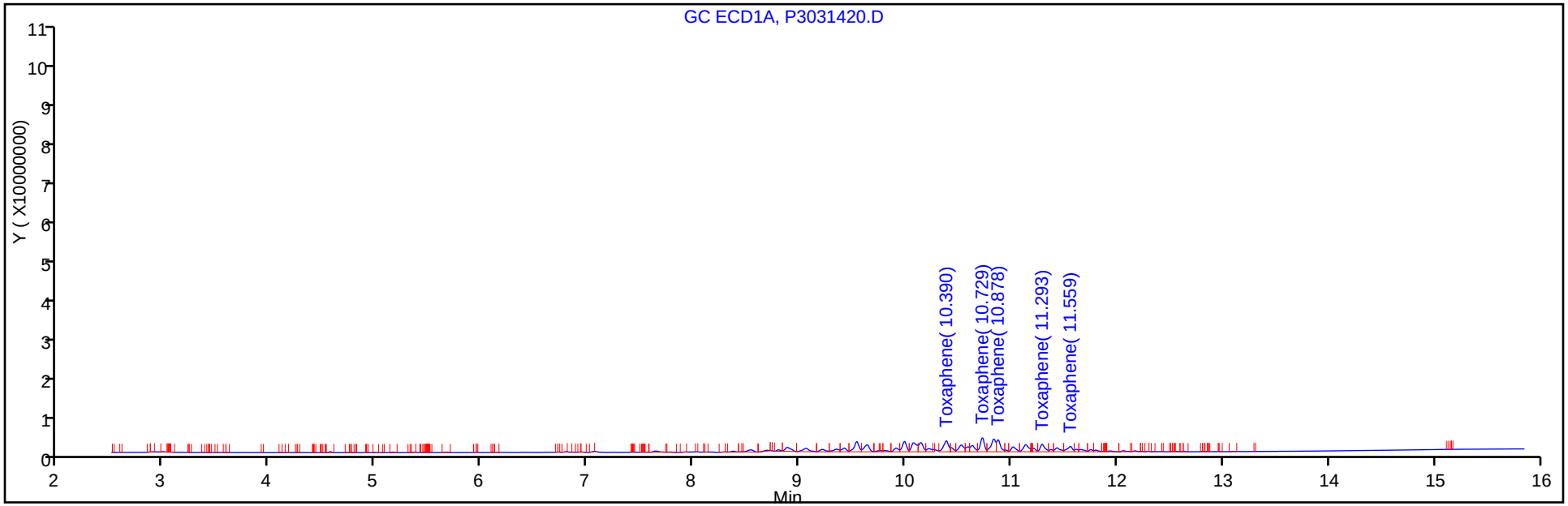
Report Date: 15-Mar-2013 07:54:44 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

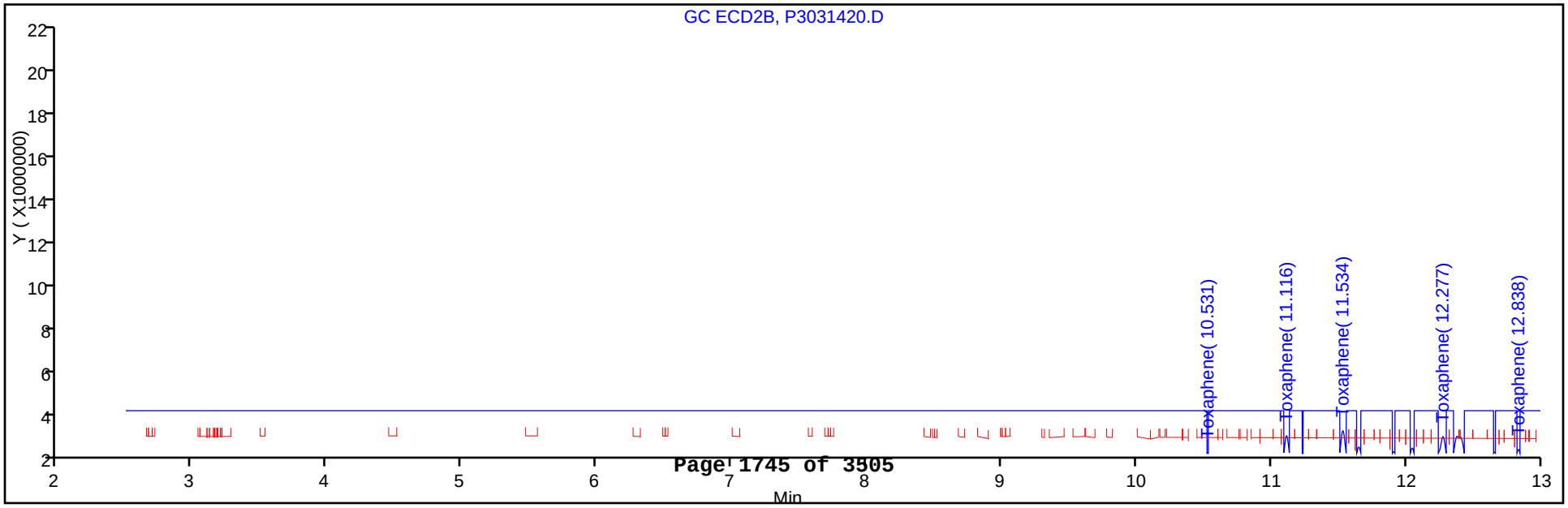
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D

Injection Date:	14-Mar-2013 16:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



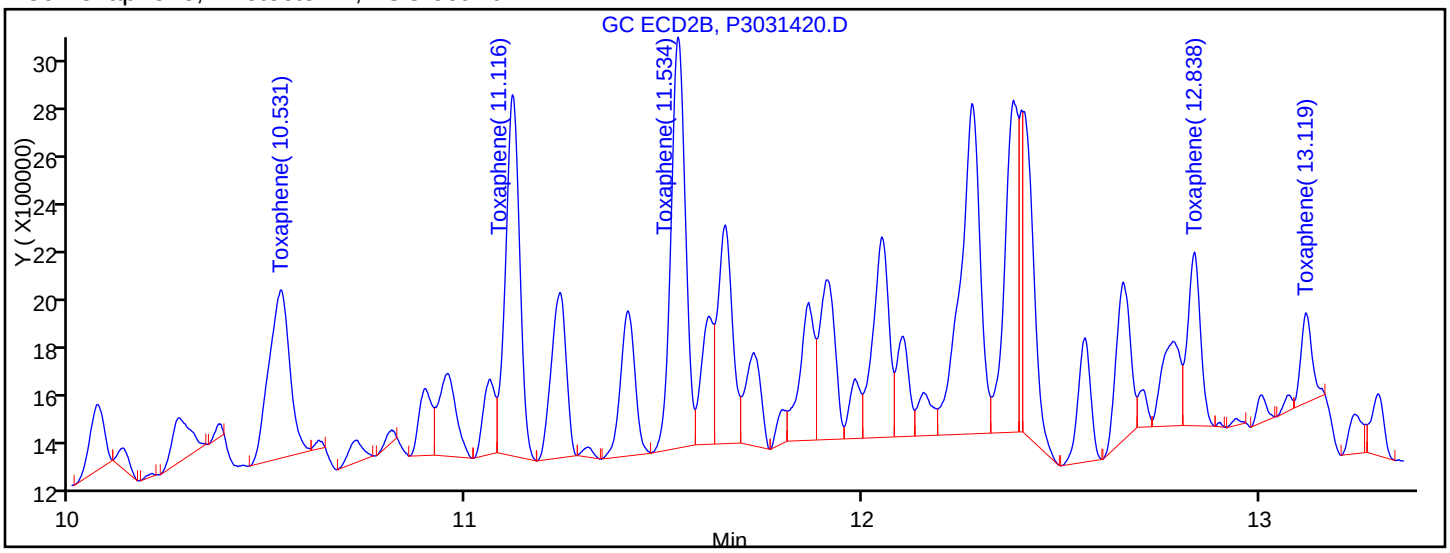
Report Date: 15-Mar-2013 07:54:44 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031420.D

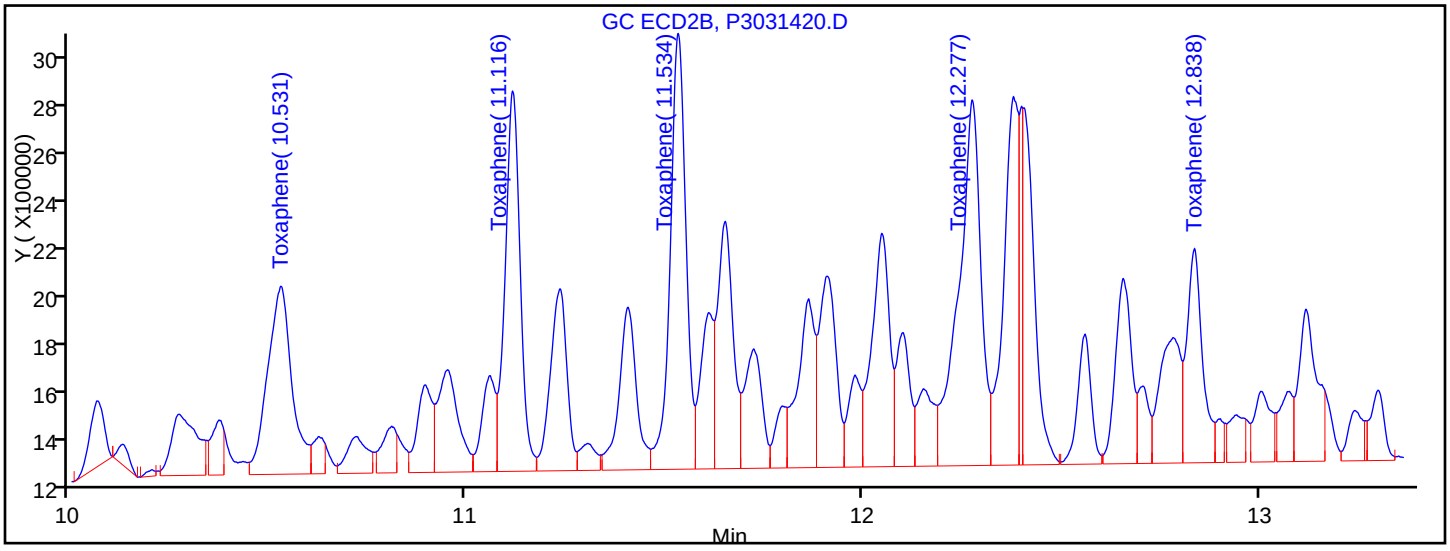
Injection Date:	14-Mar-2013 16:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.531	Response = 2533892	M
RT = 11.116	Response = 3668956	M
RT = 11.534	Response = 4275134	M
RT = 12.838	Response = 1590281	M
RT = 13.119	Response = 719443	M



Manual Integration Results

RT = 10.531	Response = 3281298	M
RT = 11.116	Response = 4109675	M
RT = 11.534	Response = 4939341	M
RT = 12.277	Response = 5869539	M
RT = 12.838	Response = 2401522	M

Reviewer: shockr, 15-Mar-2013 07:29:23

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031421.D
Lims ID: STD TOX2 Client ID:
Inject. Date: 14-Mar-2013 17:00:29 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0017984-021
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 78295 Lims Sample ID: 21
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:44 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:29:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.388	10.386	0.002	22738539	0.4645		100.0	M
1	2	10.729	10.729	0.000	23407030	0.4701	81.1- 121.1	102.9	M
1	3	10.880	10.879	0.001	19030200	0.4640	65.0- 105.0	83.7	M
1	4	11.293	11.292	0.001	14363660	0.4607	43.1- 83.1	63.2	M
1	5	11.560	11.560	0.000	11948702	0.4568	32.5- 72.5	52.5	M
			Average of Peak Amounts =			0.4632			
2	100	10.530	10.532	-0.002	8055636	0.4771		100.0	
2	2	11.117	11.117	0.000	10189844	0.4732	108.3- 148.3	126.5	
2	3	11.533	11.535	-0.002	12265920	0.4712	134.7- 174.7	152.3	
2	4	12.277	12.278	-0.001	14593260	0.4814	157.2- 197.2	181.2	
2	5	12.836	12.837	-0.001	5822614	0.4764	51.7- 91.7	72.3	
			Average of Peak Amounts =			0.4759			
						RPD = 2.69			

QC Flag Legend

Review Flags
M - Manually Integrated

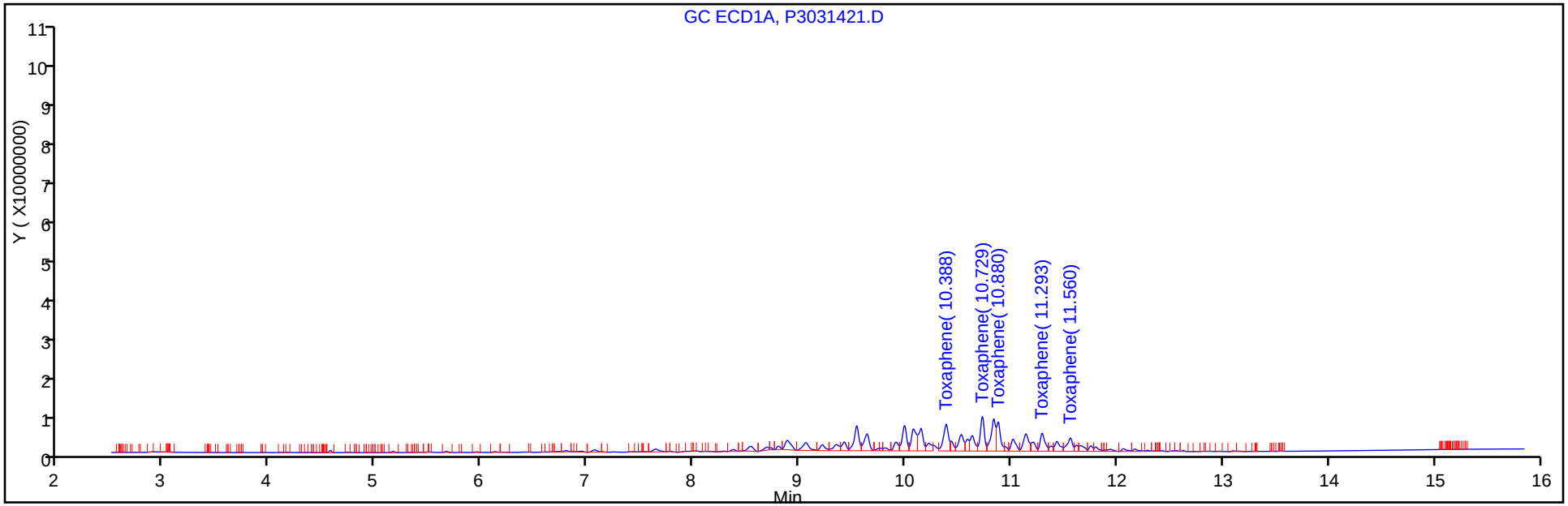
Report Date: 15-Mar-2013 07:54:45 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

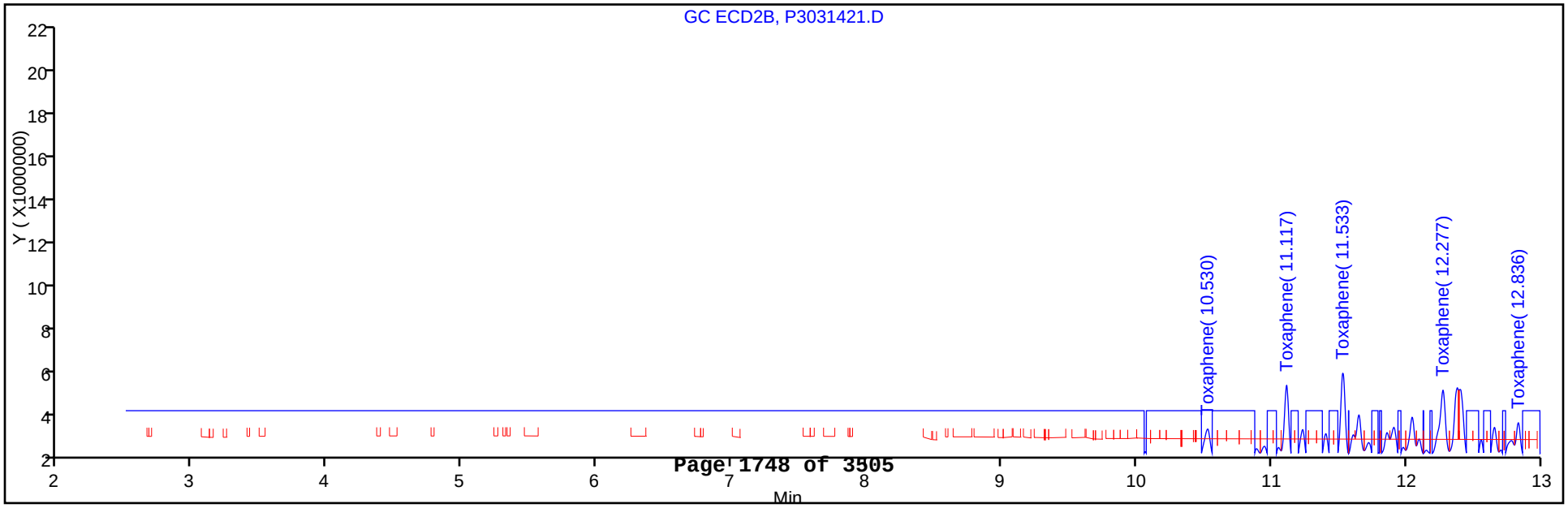
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031421.D

Injection Date:	14-Mar-2013 17:00:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D
Lims ID: STD TOX3 Client ID:
Inject. Date: 14-Mar-2013 17:20:29 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0017984-022
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 78295 Lims Sample ID: 22
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:46 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:28:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.386	10.386	0.000	49314516	1.01		100.0	M
1	2	10.729	10.729	0.000	49873719	1.00	81.1- 121.1	101.1	M
1	3	10.879	10.879	0.000	41893479	1.02	65.0- 105.0	85.0	M
1	4	11.292	11.292	0.000	31123539	1.00	43.1- 83.1	63.1	M
1	5	11.560	11.560	0.000	25877371	0.9893	32.5- 72.5	52.5	M
			Average of Peak Amounts =			1.00			
2	100	10.532	10.532	0.000	16682993	0.9881		100.0	M
2	2	11.117	11.117	0.000	21412233	0.99	108.3- 148.3	128.3	M
2	3	11.535	11.535	0.000	25814822	0.99	134.7- 174.7	154.7	M
2	4	12.278	12.278	0.000	29558438	0.9750	157.2- 197.2	177.2	M
2	5	12.837	12.837	0.000	11963681	0.9788	51.7- 91.7	71.7	M
			Average of Peak Amounts =			0.9856			
						RPD = 1.81			

QC Flag Legend

Review Flags
M - Manually Integrated

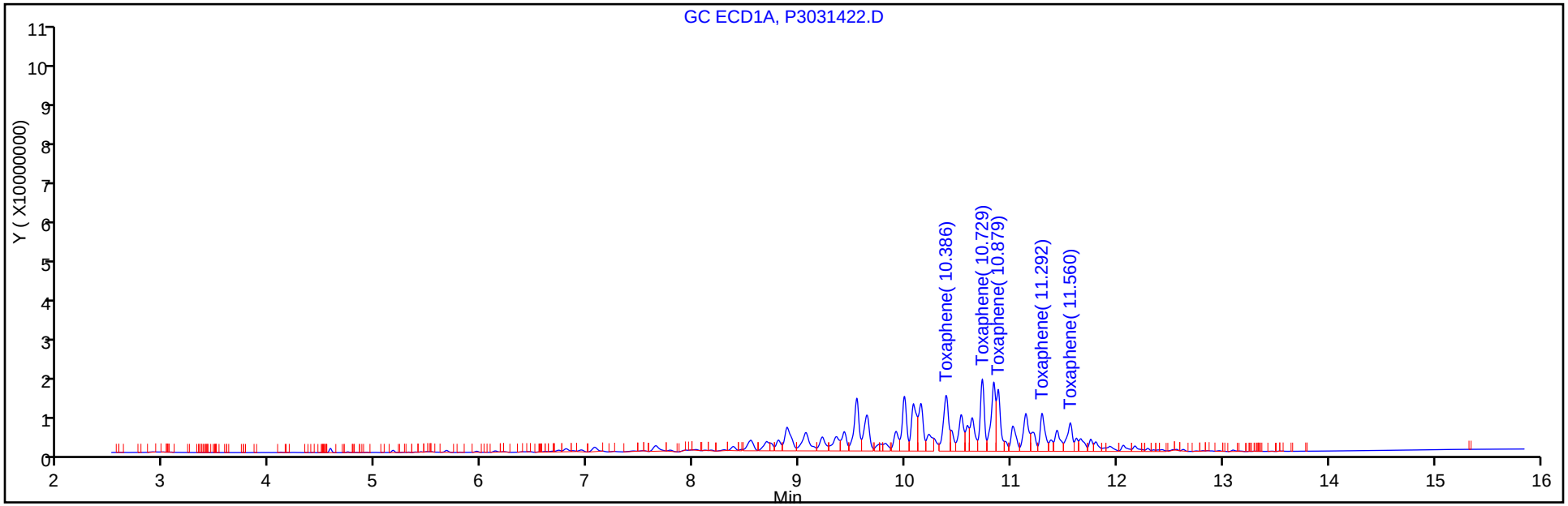
Report Date: 15-Mar-2013 07:54:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

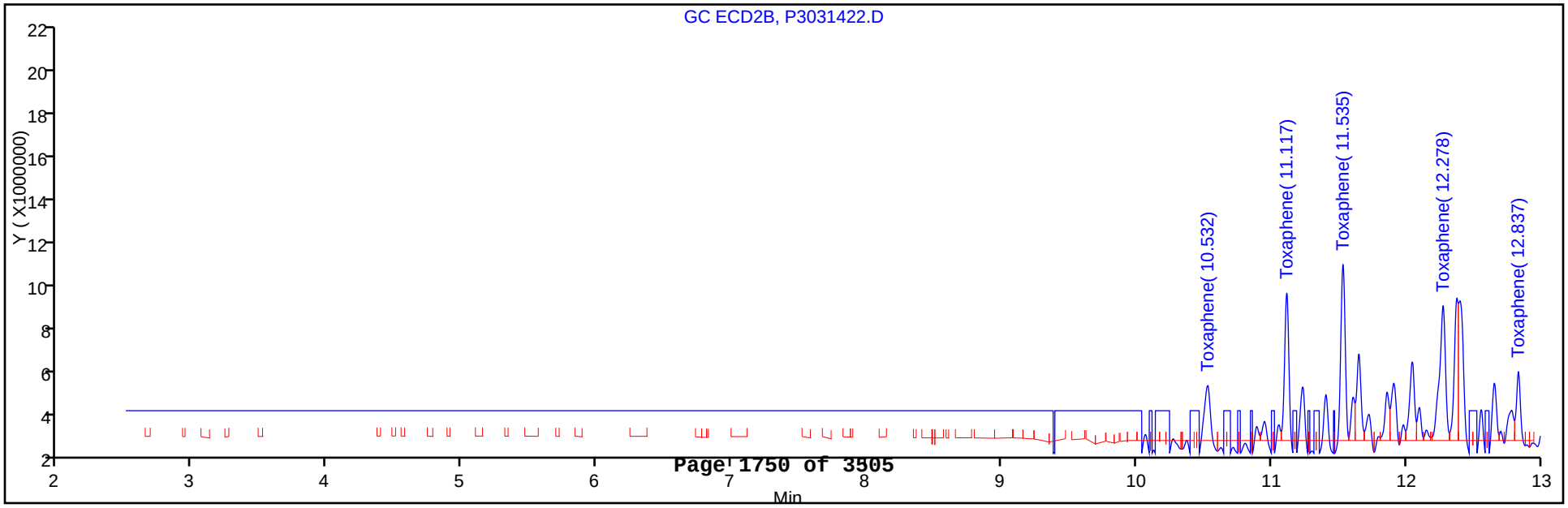
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D

Injection Date:	14-Mar-2013 17:20:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	22
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



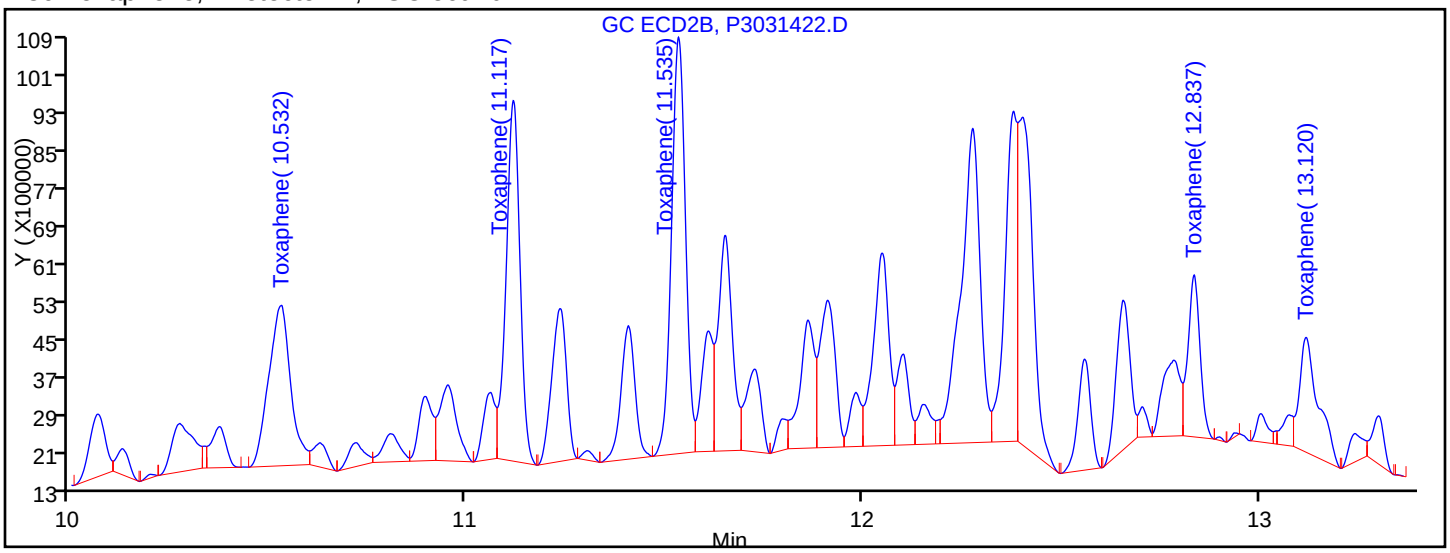
Report Date: 15-Mar-2013 07:54:47 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031422.D

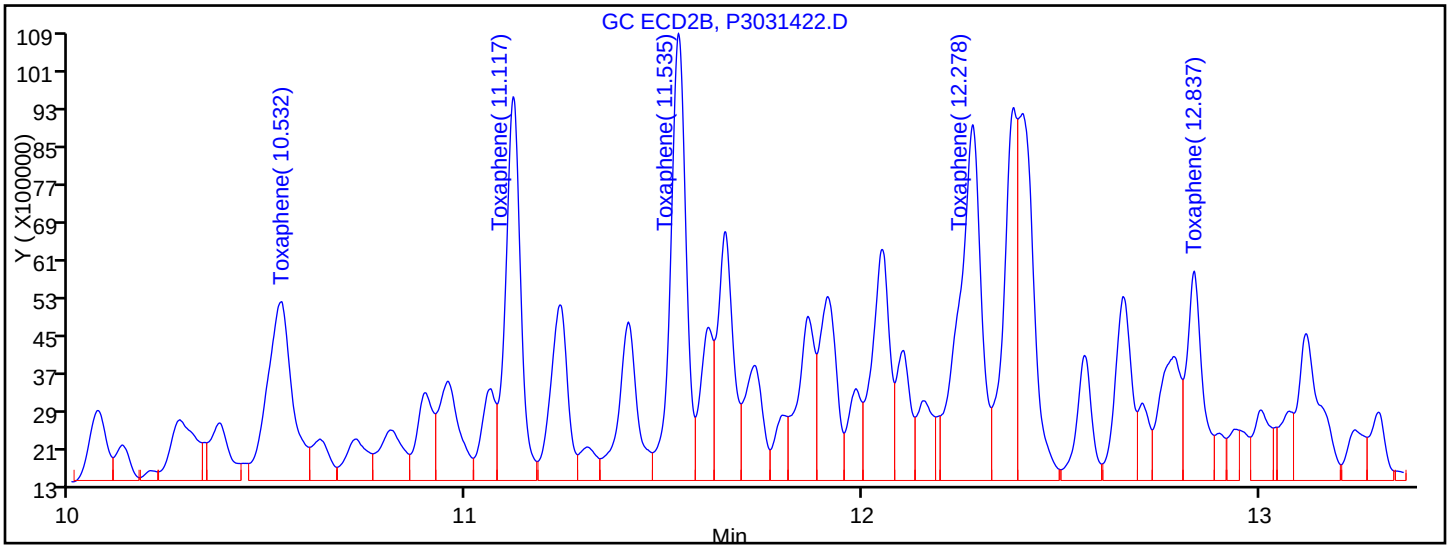
Injection Date:	14-Mar-2013 17:20:29	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	22
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.532	Response = 13108775	M
RT = 11.117	Response = 18571539	M
RT = 11.535	Response = 21688550	M
RT = 12.837	Response = 7266496	M
RT = 13.120	Response = 8015270	M



Manual Integration Results

RT = 10.532	Response = 16682993	M
RT = 11.117	Response = 21412233	M
RT = 11.535	Response = 25814822	M
RT = 12.278	Response = 29558438	M
RT = 12.837	Response = 11963681	M

Reviewer: shockr, 15-Mar-2013 07:28:50

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031423.D
Lims ID: STD TOX4 Client ID:
Inject. Date: 14-Mar-2013 17:40:27 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0017984-023
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 78295 Lims Sample ID: 23
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:47 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 15-Mar-2013 07:34:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	1	10.389	10.386	0.003	101593105	2.08		100.0	
1	2	10.730	10.729	0.001	100812821	2.02	81.1- 121.1	99.2	
1	3	10.878	10.879	-0.001	83595765	2.04	65.0- 105.0	82.3	
1	4	11.293	11.292	0.001	63727669	2.04	43.1- 83.1	62.7	
1	5	11.560	11.560	0.000	53731158	2.05	32.5- 72.5	52.9	
			Average of Peak Amounts =			2.05			
2	100	10.531	10.532	-0.001	31704777	1.88		100.0	
2	2	11.116	11.117	-0.001	42103609	1.96	108.3- 148.3	132.8	
2	3	11.534	11.535	-0.001	51048064	1.96	134.7- 174.7	161.0	
2	4	12.277	12.278	-0.001	58482091	1.93	157.2- 197.2	184.5	A
2	5	12.835	12.837	-0.002	23411889	1.92	51.7- 91.7	73.8	A
			Average of Peak Amounts =			1.93			
						RPD = 6.01			

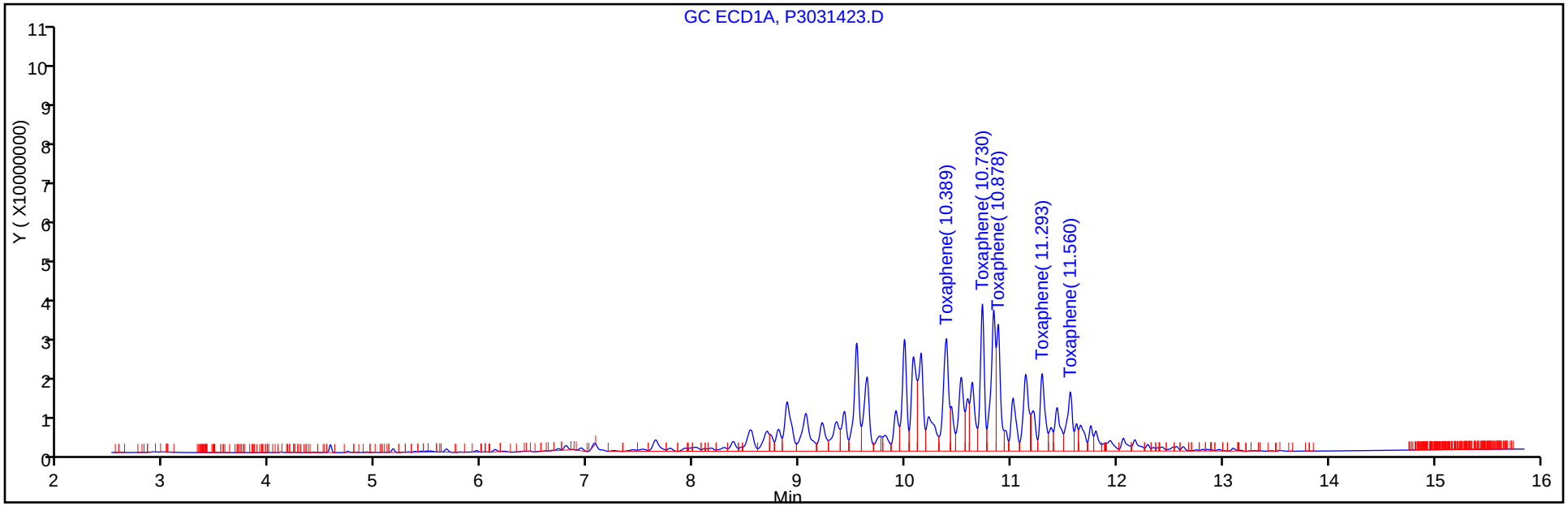
Report Date: 15-Mar-2013 07:54:49 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

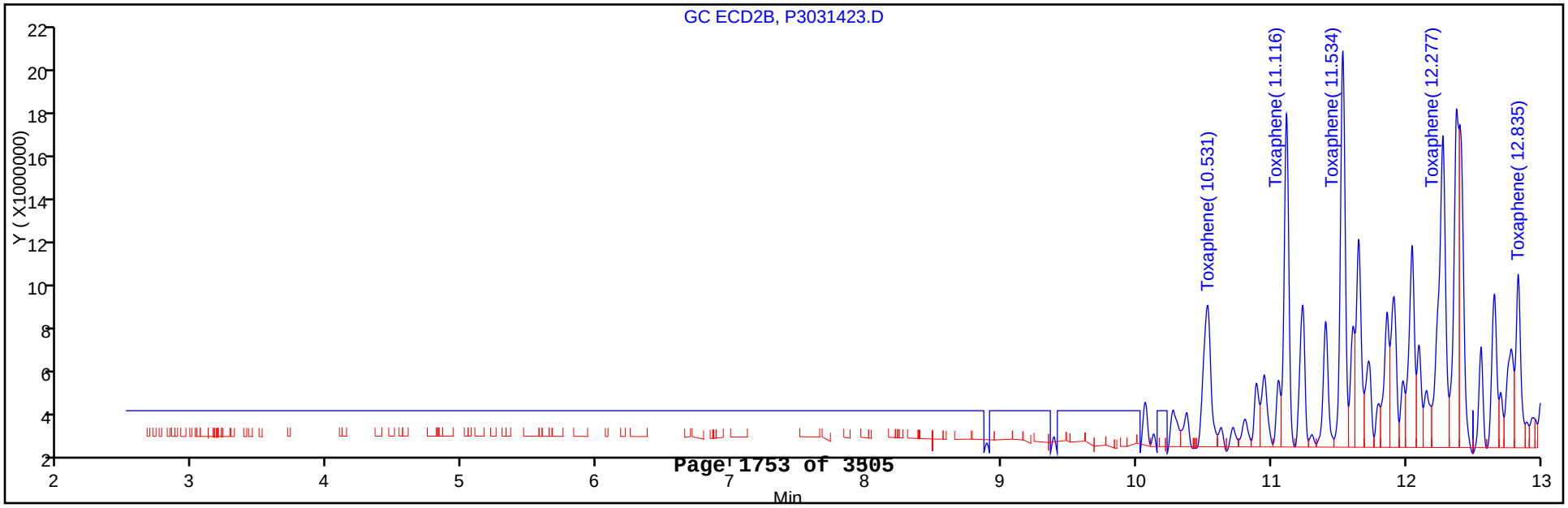
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031423.D

Injection Date:	14-Mar-2013 17:40:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	23
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D		
Lims ID:	STD TOX5	Client ID:	
Inject. Date:	14-Mar-2013 18:00:27	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0017984-024		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	78295	Lims Sample ID:	24
Sublist:	chrom-PEST3*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m		
Last Update:	15-Mar-2013 07:54:49	Calib Date:	14-Mar-2013 20:00:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK032		

First Level Reviewer: shockr Date: 15-Mar-2013 07:28:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.388	10.386	0.002	263734805	5.39		100.0	M
1	2	10.728	10.729	-0.001	268763022	5.40	81.1- 121.1	101.9	M
1	3	10.878	10.879	-0.001	222109554	5.42	65.0- 105.0	84.2	M
1	4	11.293	11.292	0.001	174780978	5.61	43.1- 83.1	66.3	M
1	5	11.560	11.560	0.000	152313906	5.82	32.5- 72.5	57.8	M
			Average of Peak Amounts =			5.53			
2	100	10.530	10.532	-0.002	96812641	5.73		100.0	M
2	2	11.117	11.117	0.000	121391530	5.64	108.3- 148.3	125.4	M
2	3	11.533	11.535	-0.002	147899283	5.68	134.7- 174.7	152.8	M
2	4	12.277	12.278	-0.001	171218541	5.65	157.2- 197.2	176.9	M
2	5	12.837	12.837	0.000	68962047	5.64	51.7- 91.7	71.2	M
			Average of Peak Amounts =			5.67			
						RPD = 2.55			

QC Flag Legend

Review Flags
M - Manually Integrated

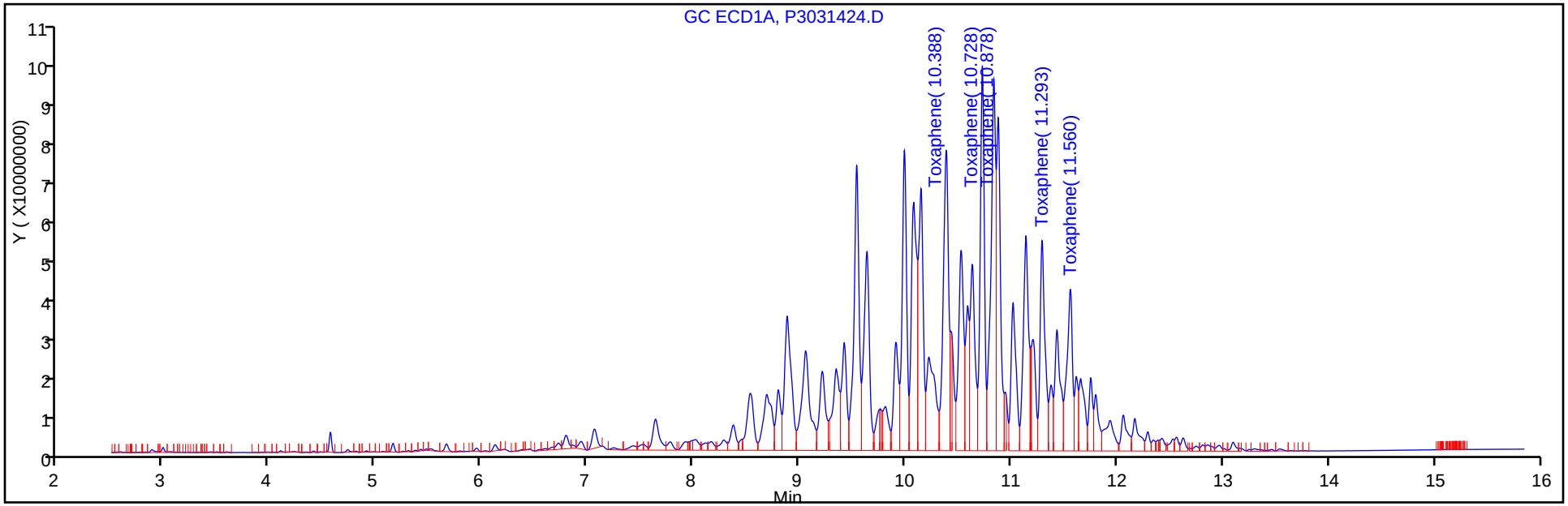
Report Date: 15-Mar-2013 07:54:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

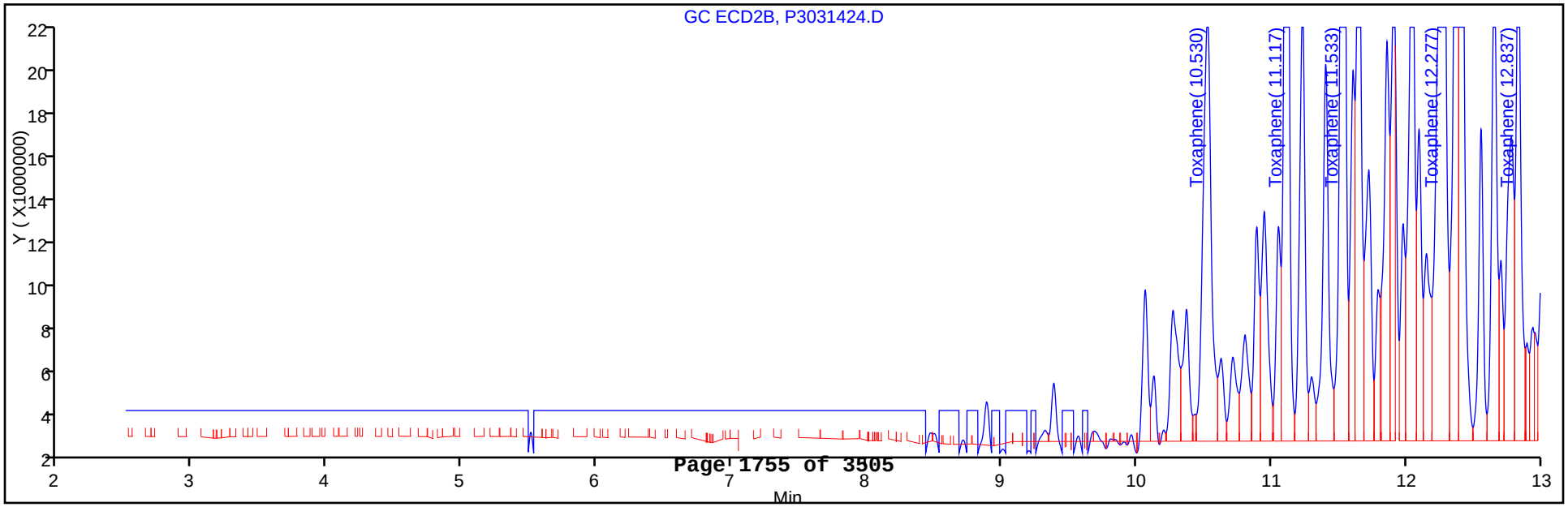
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D

Injection Date:	14-Mar-2013 18:00:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



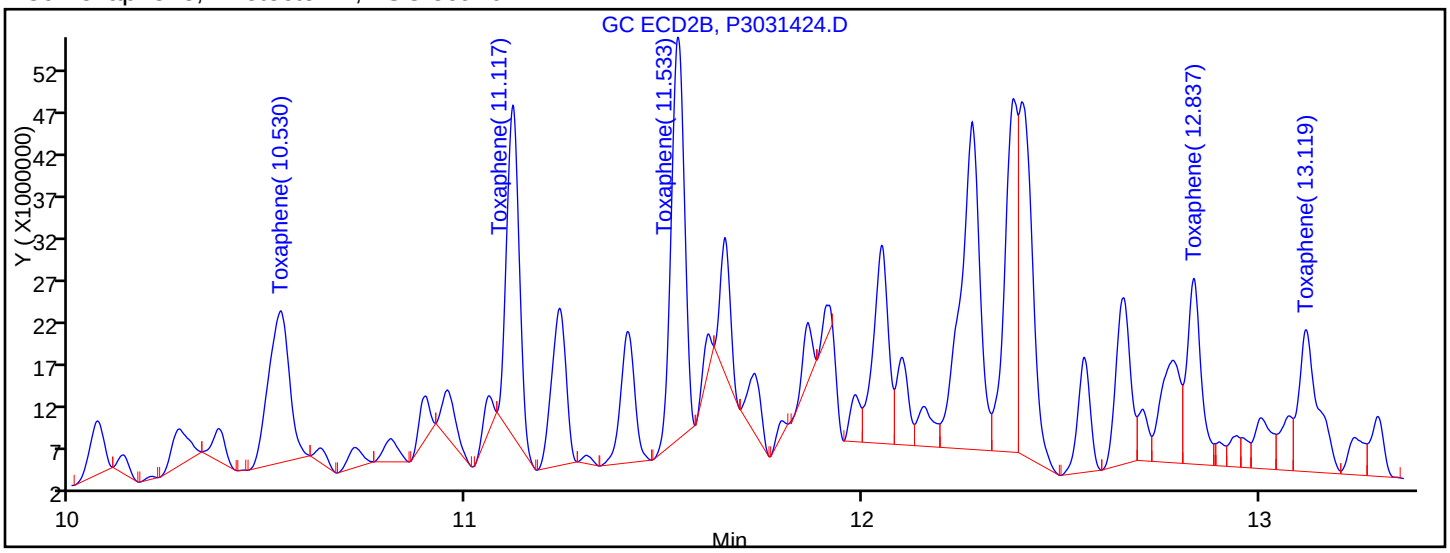
Report Date: 15-Mar-2013 07:54:50 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031424.D

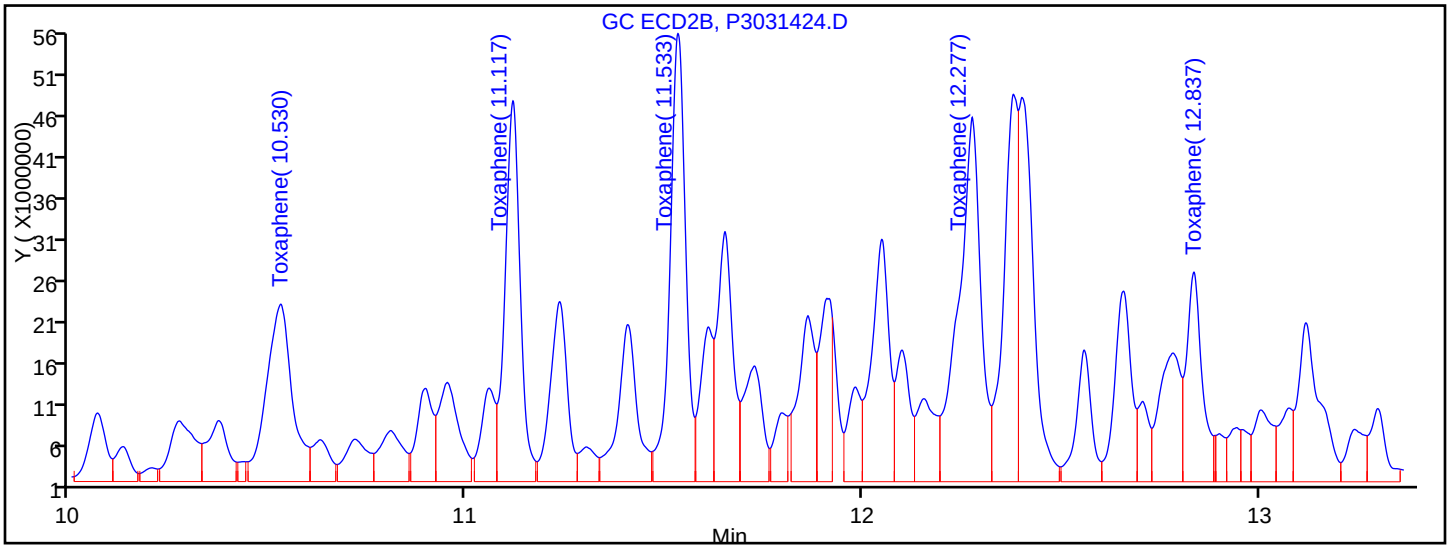
Injection Date:	14-Mar-2013 18:00:27	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.530	Response = 66451035	M
RT = 11.117	Response = 86905564	M
RT = 11.533	Response = 111786784	M
RT = 12.837	Response = 54466868	M
RT = 13.119	Response = 57371553	M



Manual Integration Results

RT = 10.530	Response = 96812641	M
RT = 11.117	Response = 121391530	M
RT = 11.533	Response = 147899283	M
RT = 12.277	Response = 171218541	M
RT = 12.837	Response = 68962047	M

Reviewer: shockr, 15-Mar-2013 07:28:30

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 18:52 Calibration End Date: 04/22/2013 20:13 Calibration ID: 14706

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-83061/5	P3042205.D
Level 2	STD 240-83061/6	P3042206.D
Level 3	STD 240-83061/7	P3042207.D
Level 4	STD 240-83061/8	P3042208.D
Level 5	STD 240-83061/9	P3042209.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	10.221	10.224	10.226	10.223	10.224						10.196 - 10.256	10.224
Toxaphene Peak 2	10.569	10.570	10.570	10.569	10.571						10.540 - 10.600	10.570
Toxaphene Peak 3	10.719	10.722	10.719	10.719	10.720						10.689 - 10.749	10.720
Toxaphene Peak 4	11.139	11.140	11.140	11.139	11.140						11.110 - 11.170	11.140
Toxaphene Peak 5	11.409	11.414	11.411	11.412	11.410						11.381 - 11.441	11.411

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 18:52 Calibration End Date: 04/22/2013 20:13 Calibration ID: 14706

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-83061/5	P3042205.D
Level 2	STD 240-83061/6	P3042206.D
Level 3	STD 240-83061/7	P3042207.D
Level 4	STD 240-83061/8	P3042208.D
Level 5	STD 240-83061/9	P3042209.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	35192120 40015575	43940222	36179012	36146809	Ave		38294747.4				9.6		20.0			
Toxaphene Peak 2	35462475 40281066	35662446	35343385	36705386	Ave		36690951.5				5.7		20.0			
Toxaphene Peak 3	27957405 33483723	27454910	27873464	27401537	Ave		28834207.8				9.1		20.0			
Toxaphene Peak 4	21968260 26271821	22580366	21510195	22758969	Ave		23017922.2				8.2		20.0			
Toxaphene Peak 5	17037525 20963749	17672282	16771649	17962191	Ave		18081479.1				9.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 18:52 Calibration End Date: 04/22/2013 20:13 Calibration ID: 14706

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-83061/5	P3042205.D
Level 2	STD 240-83061/6	P3042206.D
Level 3	STD 240-83061/7	P3042207.D
Level 4	STD 240-83061/8	P3042208.D
Level 5	STD 240-83061/9	P3042209.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	7038424	21970111	36179012	72293617	200077873	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	7092495	17831223	35343385	73410771	201405330	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	5591481	13727455	27873464	54803074	167418615	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	4393652	11290183	21510195	45517938	131359105	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	3407505	8836141	16771649	35924381	104818744	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042205.D
Lims ID: STD TOX 1 Client ID:
Inject. Date: 22-Apr-2013 18:52:22 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0019145-005
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 83061 Lims Sample ID: 5
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:17:44 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:13:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.221	10.226	-0.005	7038424	0.1838		100.0	M
1	2	10.569	10.570	-0.001	7092495	0.1933	77.7- 117.7	100.8	M
1	3	10.719	10.719	0.000	5591481	0.1939	57.0- 97.0	79.4	M
1	4	11.139	11.140	-0.001	4393652	0.1909	39.5- 79.5	62.4	M
1	5	11.409	11.411	-0.002	3407505	0.1885	26.4- 66.4	48.4	M
			Average of Peak Amounts =			0.1901			
2	100	10.329	10.329	0.000	2956544	0.1974		100.0	M
2	2	10.922	10.923	-0.001	3530041	0.1925	102.8- 142.8	119.4	M
2	3	11.344	11.344	0.000	4035350	0.1882	124.4- 164.4	136.5	M
2	4	12.087	12.088	-0.001	4657762	0.1941	139.5- 179.5	157.5	M
2	5	12.649	12.649	0.000	1863588	0.1933	45.4- 85.4	63.0	M
			Average of Peak Amounts =			0.1931			
						RPD = 1.59			

QC Flag Legend

Review Flags
M - Manually Integrated

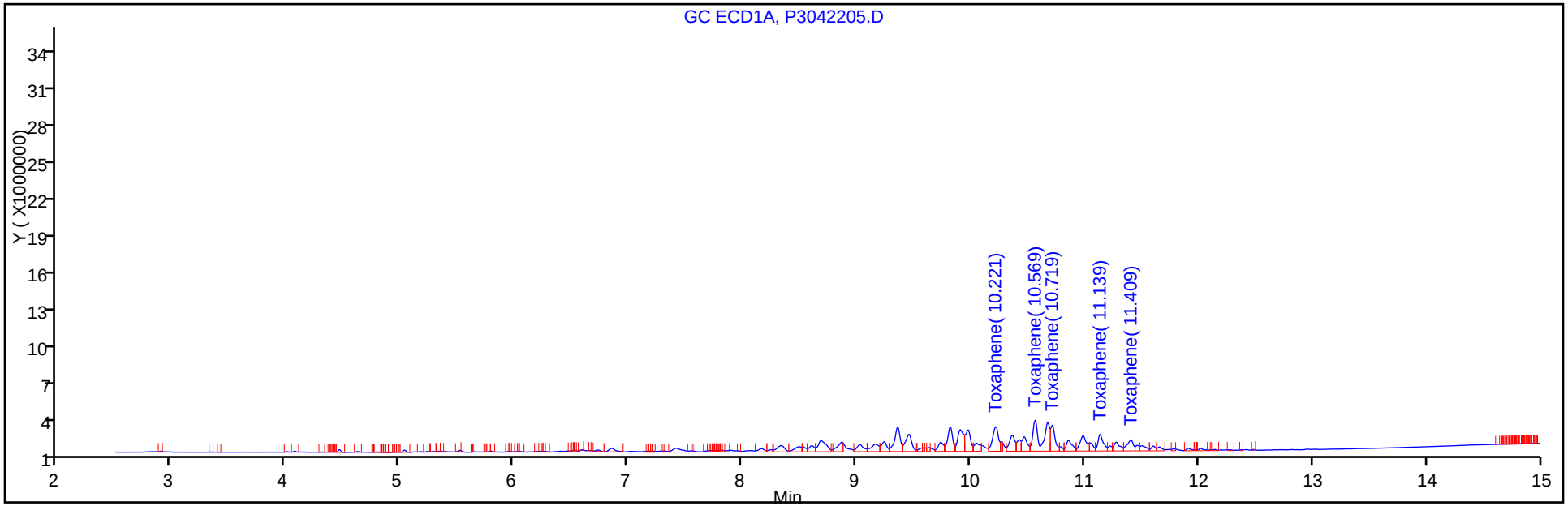
Report Date: 23-Apr-2013 12:17:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

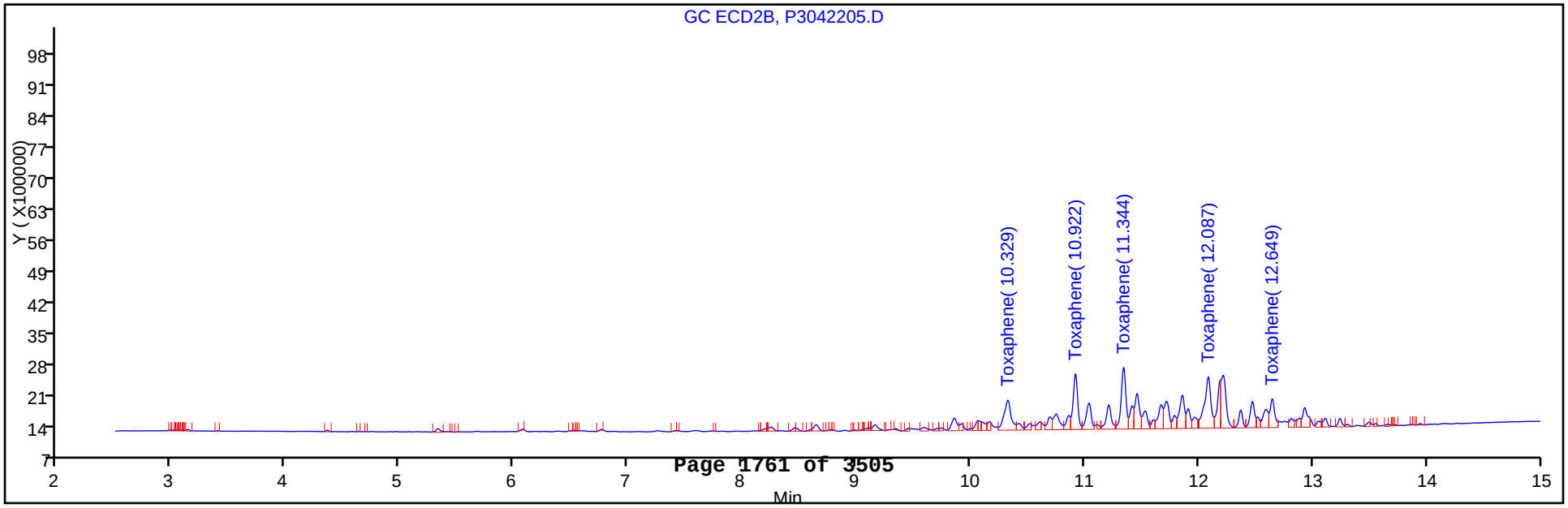
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042205.D

Injection Date:	22-Apr-2013 18:52:22	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



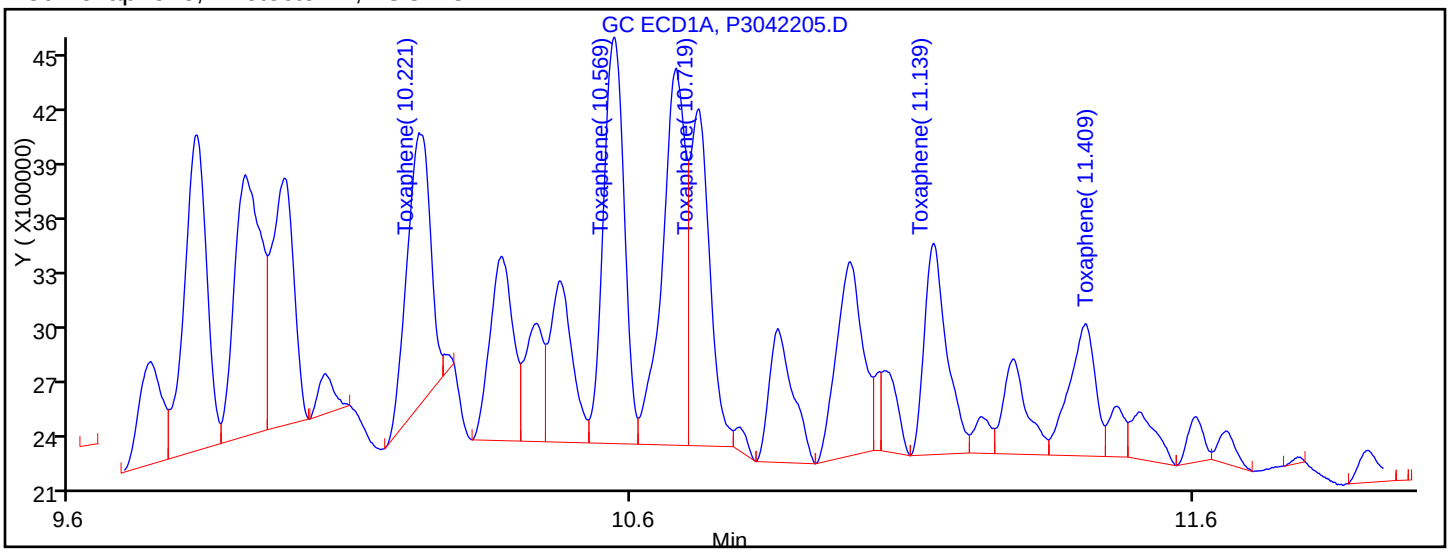
Report Date: 23-Apr-2013 12:17:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042205.D

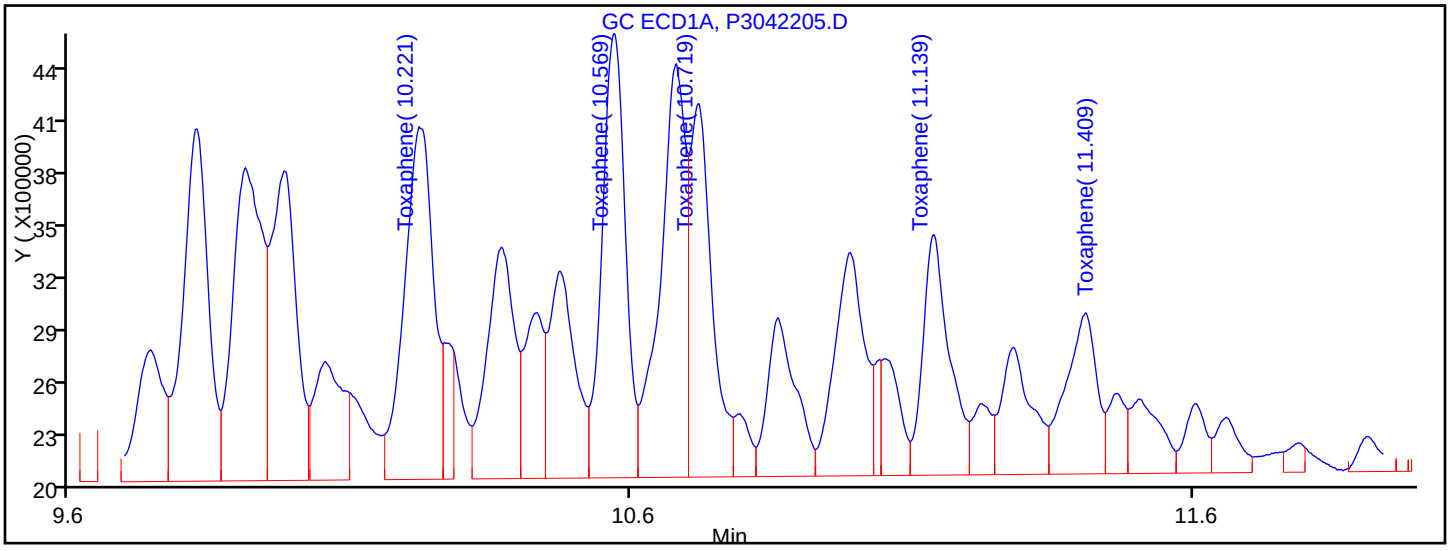
Injection Date:	22-Apr-2013 18:52:22	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.221	Response = 4280506	M
RT = 10.569	Response = 5702318	M
RT = 10.719	Response = 4407974	M
RT = 11.139	Response = 3183133	M
RT = 11.409	Response = 2330293	M



Manual Integration Results

RT = 10.221	Response = 7038424	M
RT = 10.569	Response = 7092495	M
RT = 10.719	Response = 5591481	M
RT = 11.139	Response = 4393652	M
RT = 11.409	Response = 3407505	M

Reviewer: shockr, 23-Apr-2013 09:13:14

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042206.D
Lims ID: STD TOX2 Client ID:
Inject. Date: 22-Apr-2013 19:12:36 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0019145-006
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 83061 Lims Sample ID: 6
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:11:23 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:12:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.224	10.226	-0.002	21970111	0.5737		100.0	M
1	2	10.570	10.570	0.000	17831223	0.4860	77.7- 117.7	81.2	M
1	3	10.722	10.719	0.003	13727455	0.4761	57.0- 97.0	62.5	M
1	4	11.140	11.140	0.000	11290183	0.4905	39.5- 79.5	51.4	M
1	5	11.414	11.411	0.003	8836141	0.4887	26.4- 66.4	40.2	M
			Average of Peak Amounts =			0.5030			
2	100	10.329	10.329	0.000	7135594	0.4765		100.0	M
2	2	10.922	10.923	-0.001	8614571	0.4698	102.8- 142.8	120.7	M
2	3	11.344	11.344	0.000	9959327	0.4646	124.4- 164.4	139.6	M
2	4	12.087	12.088	-0.001	11022011	0.4592	139.5- 179.5	154.5	M
2	5	12.648	12.649	-0.001	4358967	0.4522	45.4- 85.4	61.1	M
			Average of Peak Amounts =			0.4645			
						RPD = 7.97			

QC Flag Legend

Review Flags
M - Manually Integrated

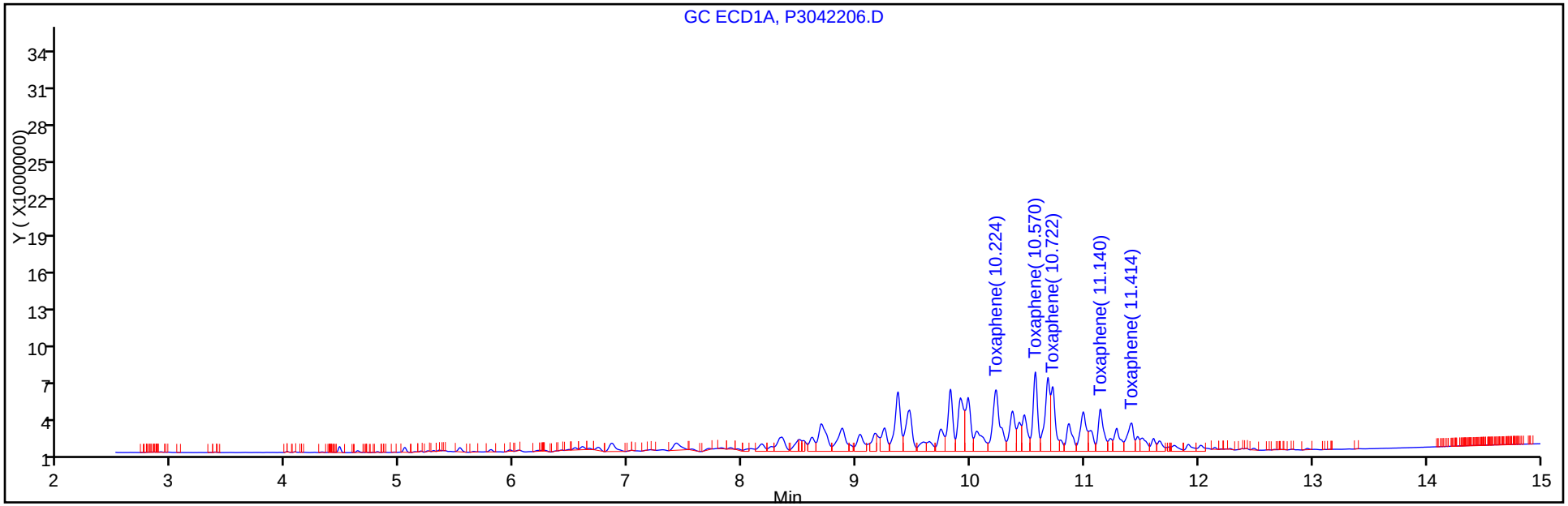
Report Date: 23-Apr-2013 12:11:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

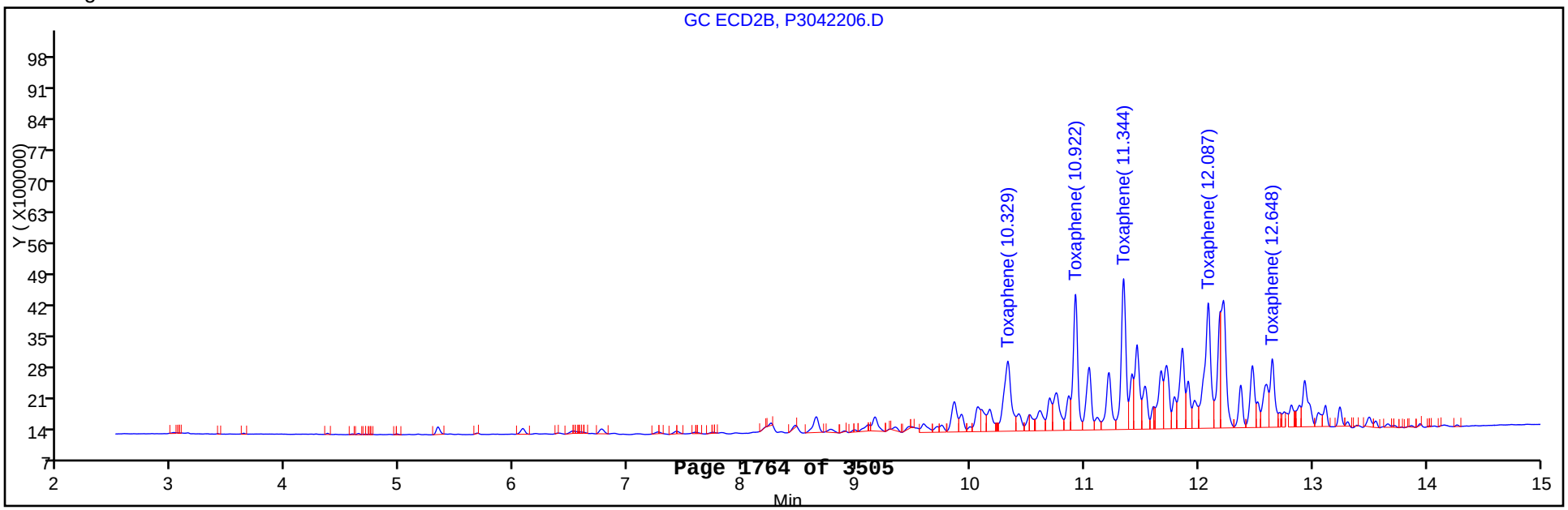
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042206.D

Injection Date:	22-Apr-2013 19:12:36	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	6
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



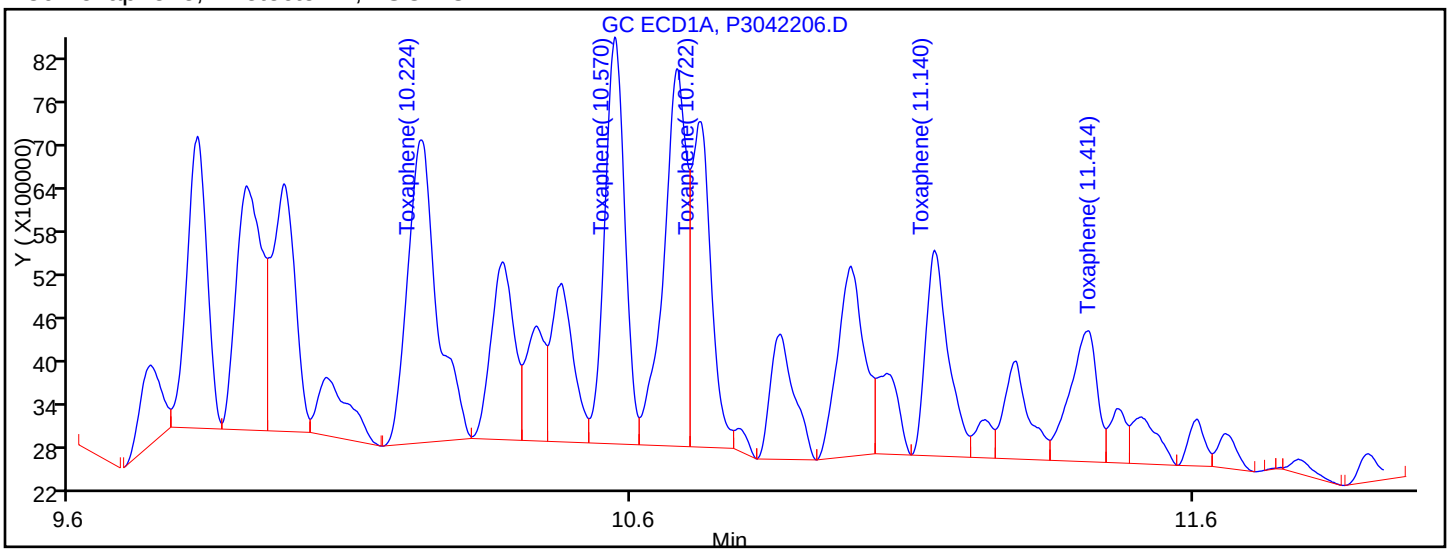
Report Date: 23-Apr-2013 12:11:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042206.D

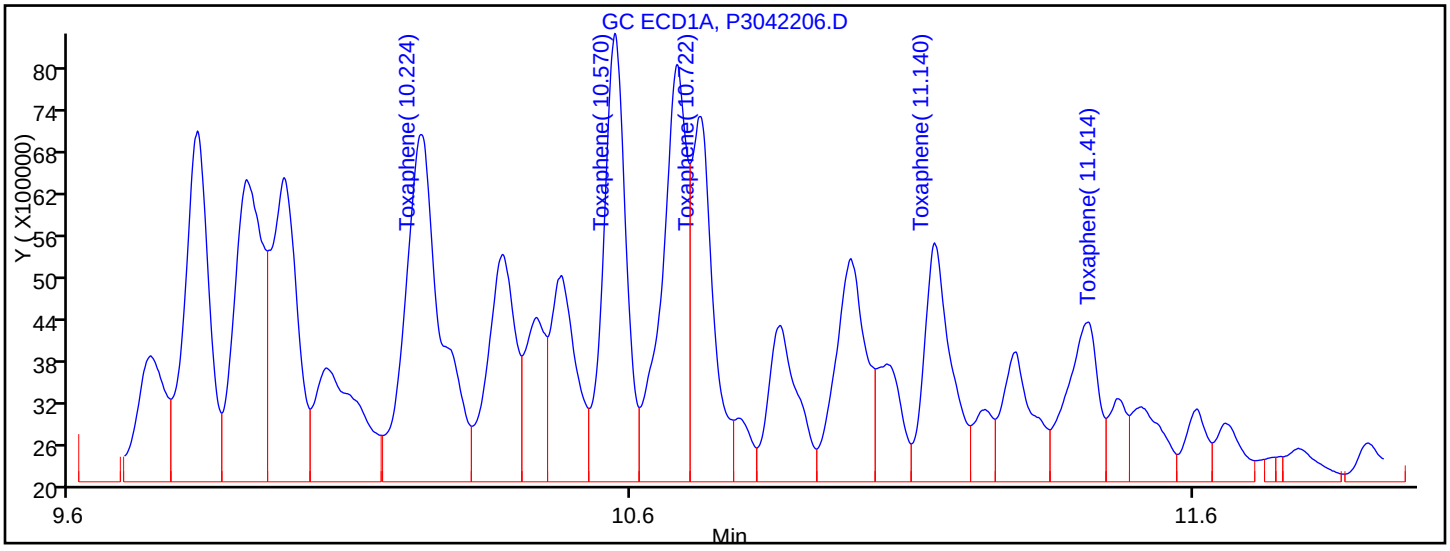
Injection Date:	22-Apr-2013 19:12:36	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	6
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.224	Response = 15260261	M
RT = 10.570	Response = 14133786	M
RT = 10.722	Response = 10781870	M
RT = 11.140	Response = 8028912	M
RT = 11.414	Response = 6185434	M



Manual Integration Results

RT = 10.224	Response = 21970111	M
RT = 10.570	Response = 17831223	M
RT = 10.722	Response = 13727455	M
RT = 11.140	Response = 11290183	M
RT = 11.414	Response = 8836141	M

Reviewer: shockr, 23-Apr-2013 09:12:43

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042207.D
Lims ID: STD TOX3 Client ID:
Inject. Date: 22-Apr-2013 19:32:46 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0019145-007
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 83061 Lims Sample ID: 7
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:11:25 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:12:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.226	10.226	0.000	36179012	0.9448		100.0	M
1	2	10.570	10.570	0.000	35343385	0.9633	77.7- 117.7	97.7	M
1	3	10.719	10.719	0.000	27873464	0.9667	57.0- 97.0	77.0	M
1	4	11.140	11.140	0.000	21510195	0.9345	39.5- 79.5	59.5	M
1	5	11.411	11.411	0.000	16771649	0.9276	26.4- 66.4	46.4	M
			Average of Peak Amounts =			0.9474			
2	100	10.329	10.329	0.000	14333029	0.9571		100.0	M
2	2	10.923	10.923	0.000	17605783	0.9601	102.8- 142.8	122.8	M
2	3	11.344	11.344	0.000	20698591	0.9655	124.4- 164.4	144.4	M
2	4	12.088	12.088	0.000	22859577	0.9524	139.5- 179.5	159.5	M
2	5	12.649	12.649	0.000	9373778	0.9725	45.4- 85.4	65.4	M
			Average of Peak Amounts =			0.9615			
						RPD = 1.49			

QC Flag Legend

Review Flags
M - Manually Integrated

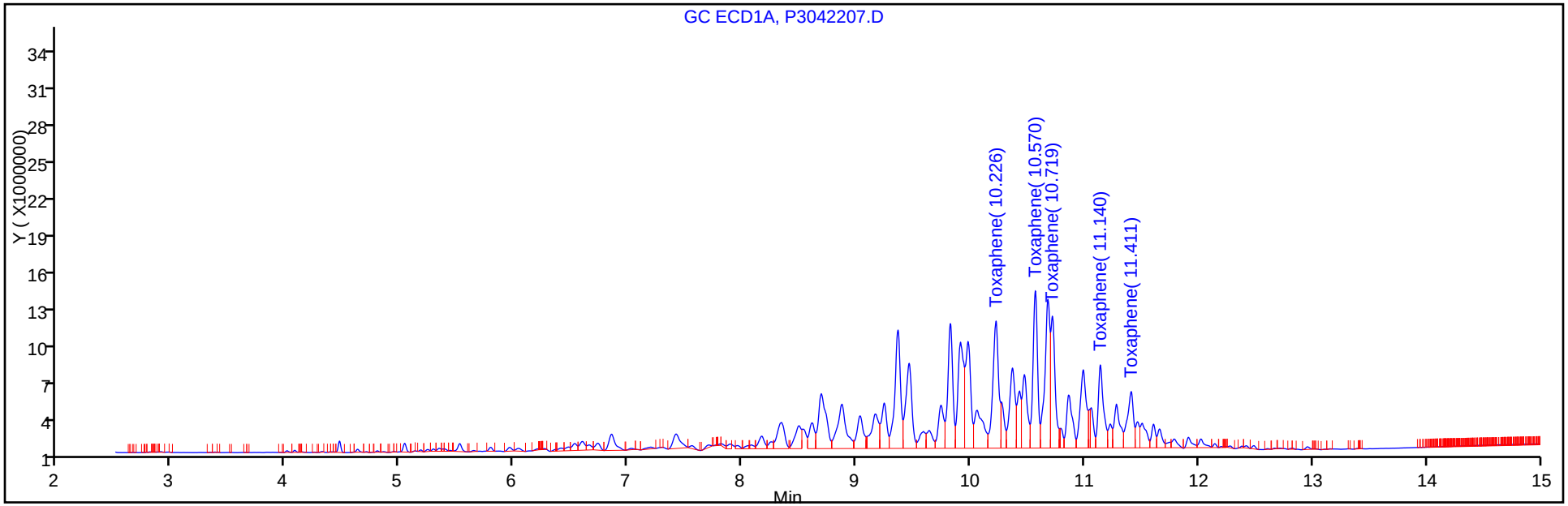
Report Date: 23-Apr-2013 12:11:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

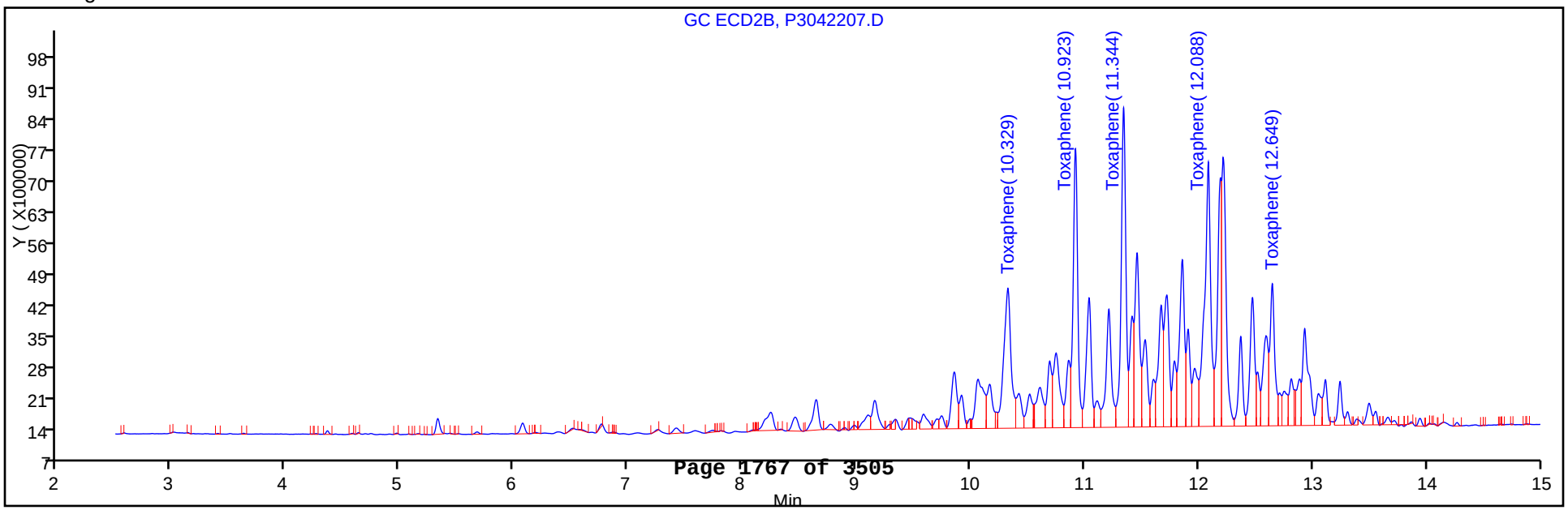
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Injection Date:	22-Apr-2013 19:32:46	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



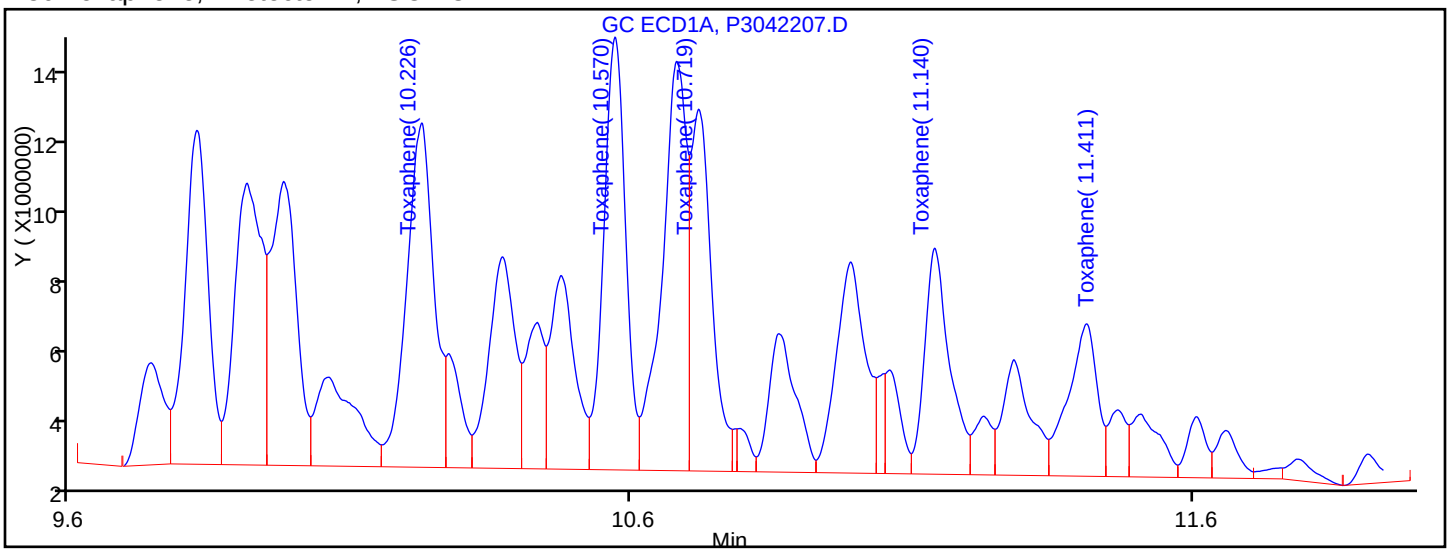
Report Date: 23-Apr-2013 12:11:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042207.D

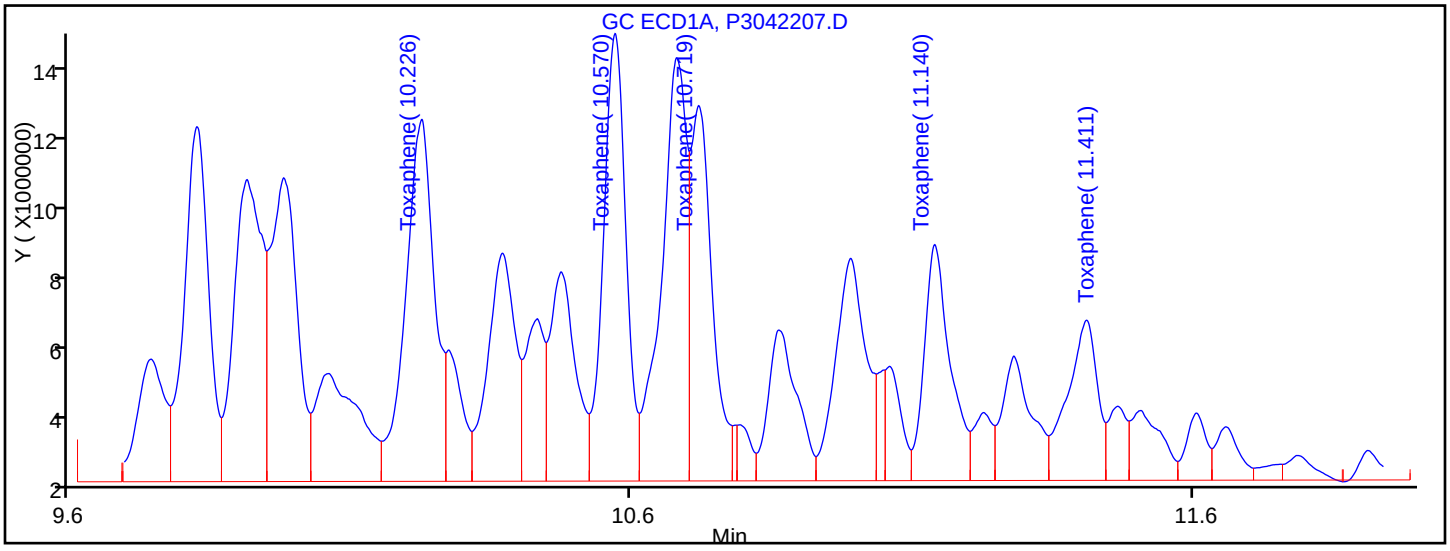
Injection Date:	22-Apr-2013 19:32:46	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.226	Response = 32727521	M
RT = 10.570	Response = 33116605	M
RT = 10.719	Response = 26144621	M
RT = 11.140	Response = 19748611	M
RT = 11.411	Response = 15414322	M



Manual Integration Results

RT = 10.226	Response = 36179012	M
RT = 10.570	Response = 35343385	M
RT = 10.719	Response = 27873464	M
RT = 11.140	Response = 21510195	M
RT = 11.411	Response = 16771649	M

Reviewer: shockr, 23-Apr-2013 09:12:31

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042208.D
Lims ID: STD TOX4 Client ID:
Inject. Date: 22-Apr-2013 19:52:53 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0019145-008
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 83061 Lims Sample ID: 8
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:11:27 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:12:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.223	10.226	-0.003	72293617	1.89		100.0	M
1	2	10.569	10.570	-0.001	73410771	2.00	77.7- 117.7	101.5	M
1	3	10.719	10.719	0.000	54803074	1.90	57.0- 97.0	75.8	M
1	4	11.139	11.140	-0.001	45517938	1.98	39.5- 79.5	63.0	M
1	5	11.412	11.411	0.001	35924381	1.99	26.4- 66.4	49.7	M
			Average of Peak Amounts =			1.95			
2	100	10.328	10.329	-0.001	30170844	2.01		100.0	
2	2	10.923	10.923	0.000	37217123	2.03	102.8- 142.8	123.4	
2	3	11.344	11.344	0.000	43793083	2.04	124.4- 164.4	145.2	
2	4	12.088	12.088	0.000	48909146	2.04	139.5- 179.5	162.1	
2	5	12.649	12.649	0.000	19333938	2.01	45.4- 85.4	64.1	
			Average of Peak Amounts =			2.03			
						RPD = 3.79			

QC Flag Legend

Review Flags
M - Manually Integrated

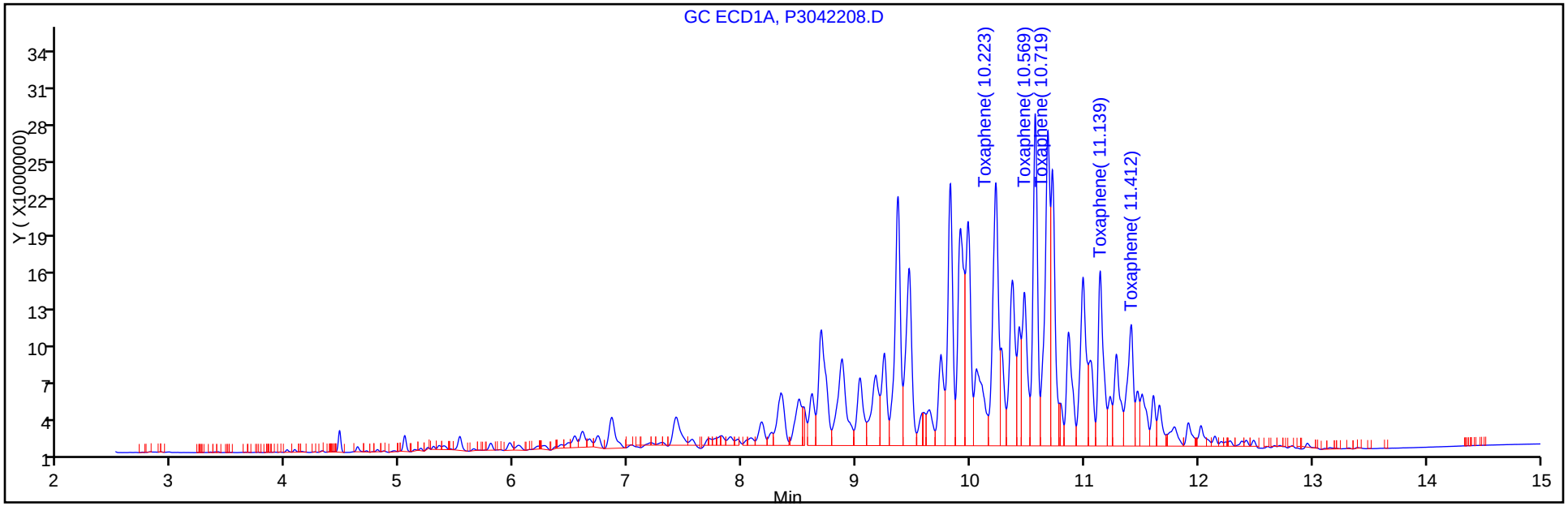
Report Date: 23-Apr-2013 12:11:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

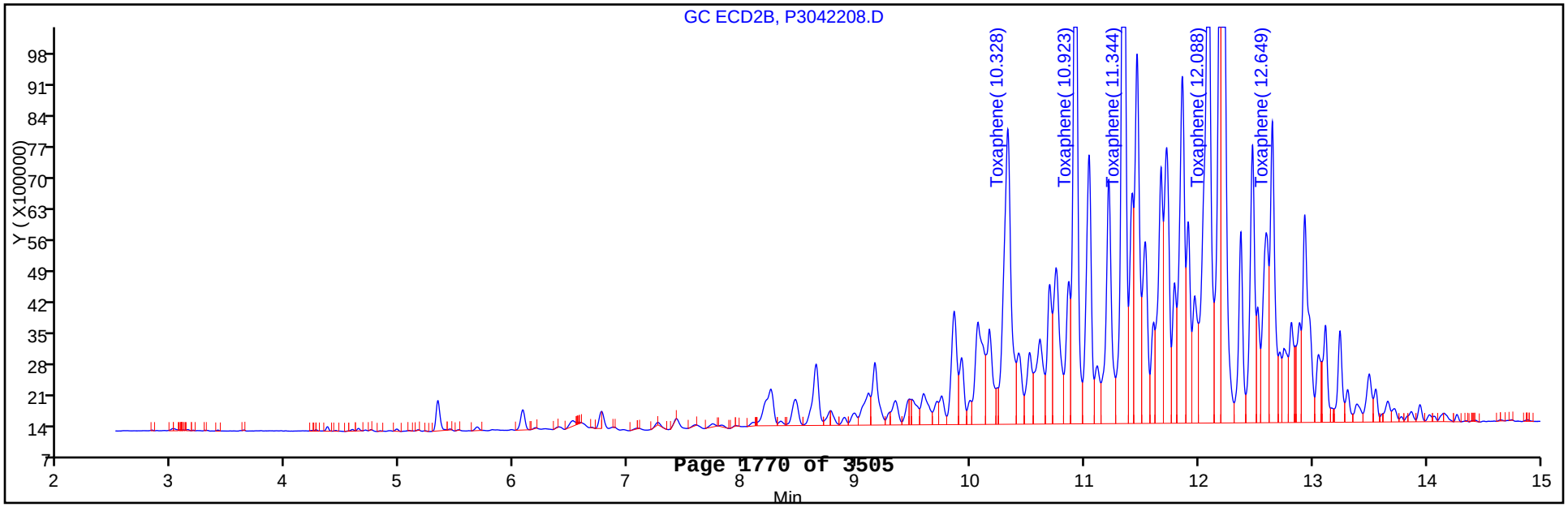
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042208.D

Injection Date:	22-Apr-2013 19:52:53	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	8
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



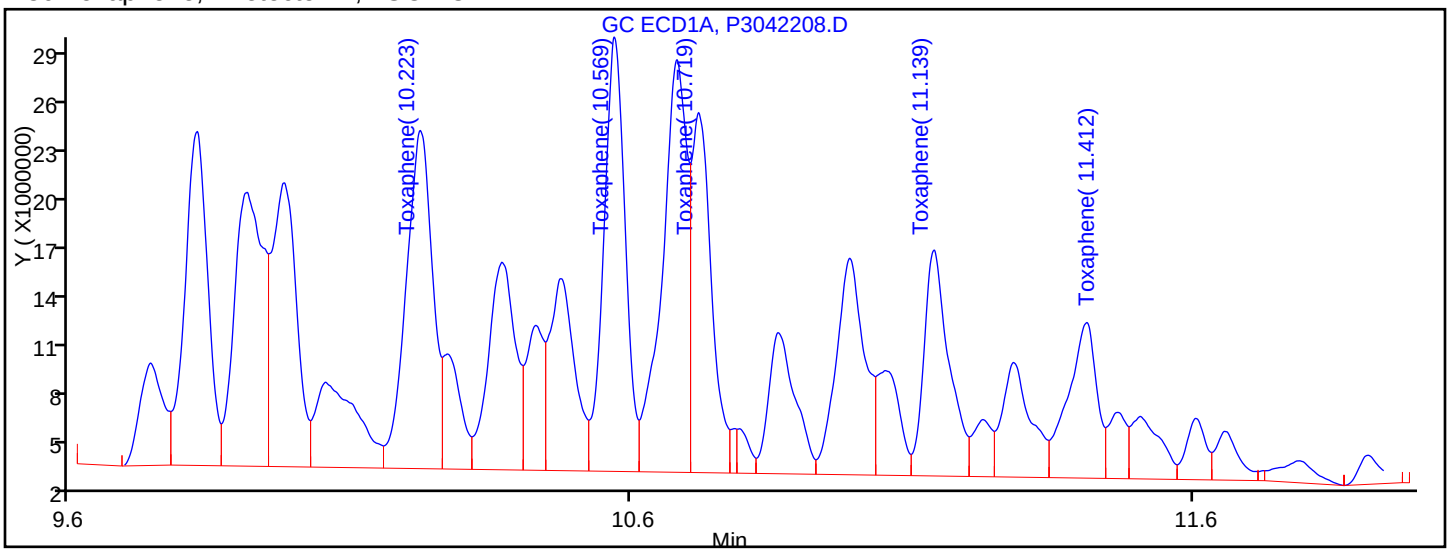
Report Date: 23-Apr-2013 12:11:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042208.D

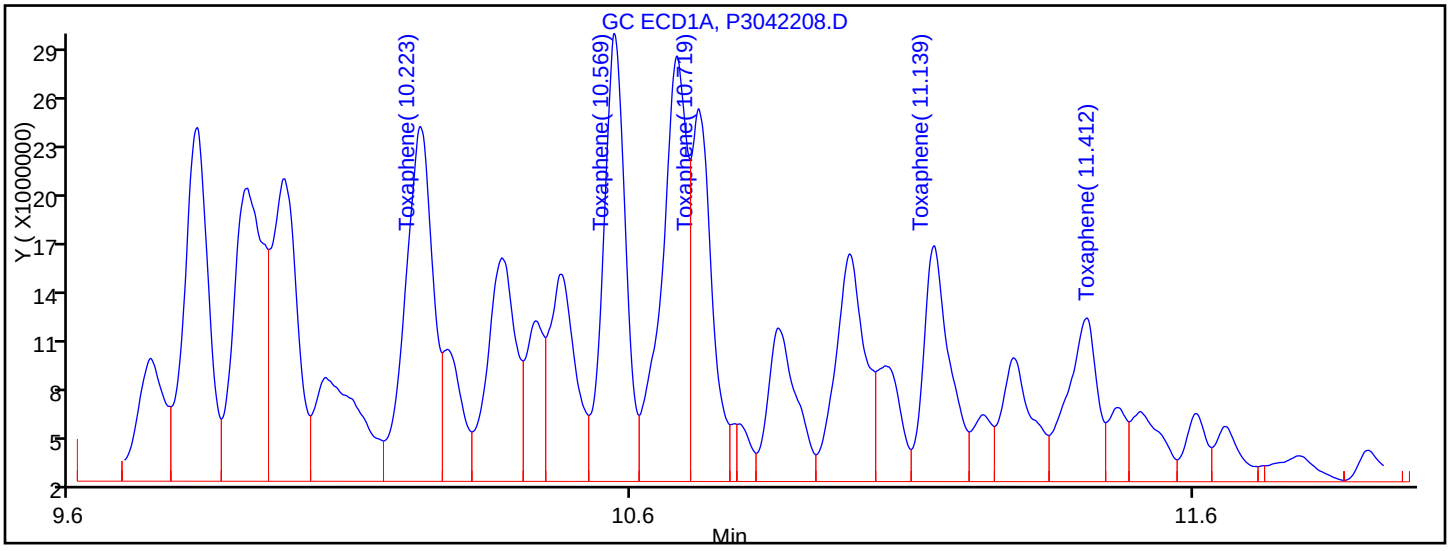
Injection Date:	22-Apr-2013 19:52:53	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	8
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.223	Response = 65660250	M
RT = 10.569	Response = 68607117	M
RT = 10.719	Response = 51395574	M
RT = 11.139	Response = 41646618	M
RT = 11.412	Response = 32821276	M



Manual Integration Results

RT = 10.223	Response = 72293617	M
RT = 10.569	Response = 73410771	M
RT = 10.719	Response = 54803074	M
RT = 11.139	Response = 45517938	M
RT = 11.412	Response = 35924381	M

Reviewer: shockr, 23-Apr-2013 09:12:15

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042209.D
Lims ID: STD TOX5 Client ID:
Inject. Date: 22-Apr-2013 20:13:07 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0019145-009
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 83061 Lims Sample ID: 9
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:11:29 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:12:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.224	10.226	-0.002	200077873	5.22		100.0	M
1	2	10.571	10.570	0.001	201405330	5.49	77.7- 117.7	100.7	M
1	3	10.720	10.719	0.001	167418615	5.81	57.0- 97.0	83.7	M
1	4	11.140	11.140	0.000	131359105	5.71	39.5- 79.5	65.7	M
1	5	11.410	11.411	-0.001	104818744	5.80	26.4- 66.4	52.4	M
			Average of Peak Amounts =			5.60			
2	100	10.328	10.329	-0.001	82034333	5.48		100.0	M
2	2	10.921	10.923	-0.002	102968624	5.62	102.8- 142.8	125.5	M
2	3	11.342	11.344	-0.002	122479992	5.71	124.4- 164.4	149.3	M
2	4	12.086	12.088	-0.002	136823792	5.70	139.5- 179.5	166.8	M
2	5	12.648	12.649	-0.001	55580766	5.77	45.4- 85.4	67.8	M
			Average of Peak Amounts =			5.65			
						RPD = 0.89			

QC Flag Legend

Review Flags
M - Manually Integrated

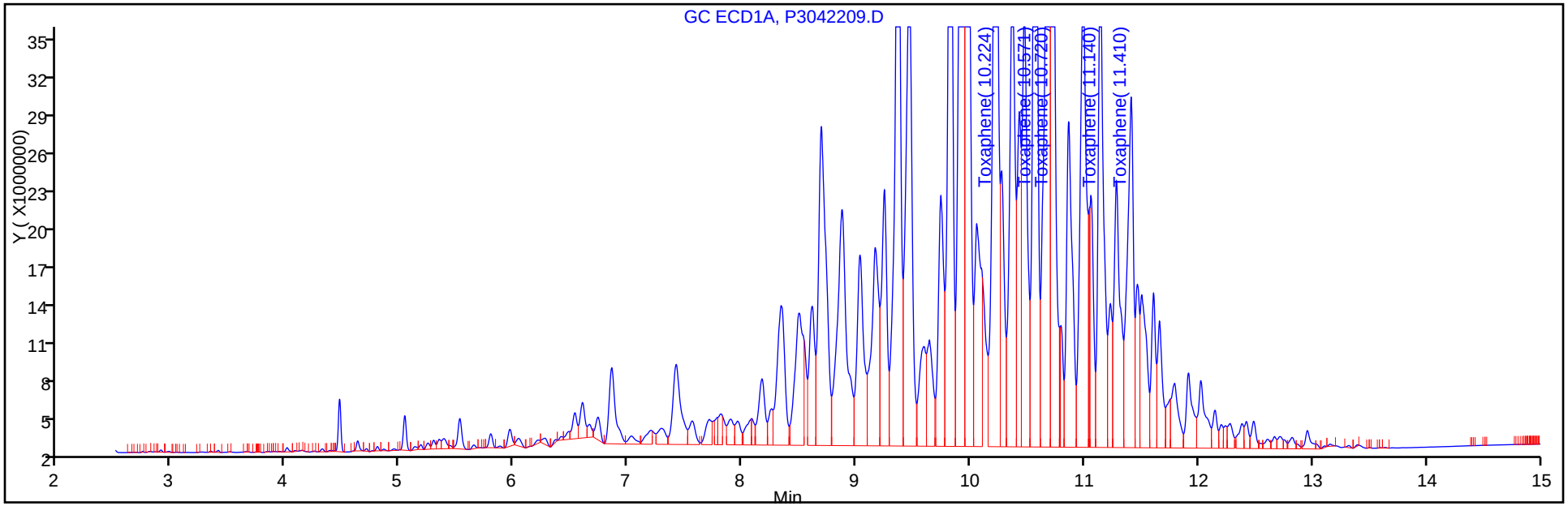
Report Date: 23-Apr-2013 12:11:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

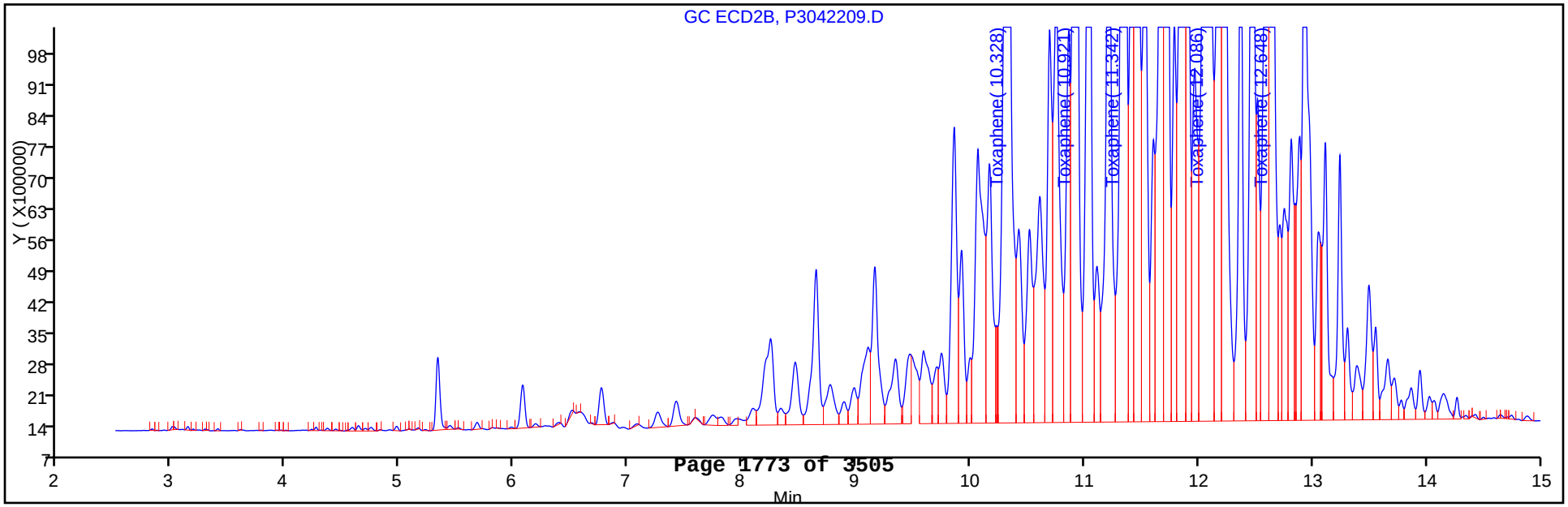
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042209.D

Injection Date:	22-Apr-2013 20:13:07	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	9
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



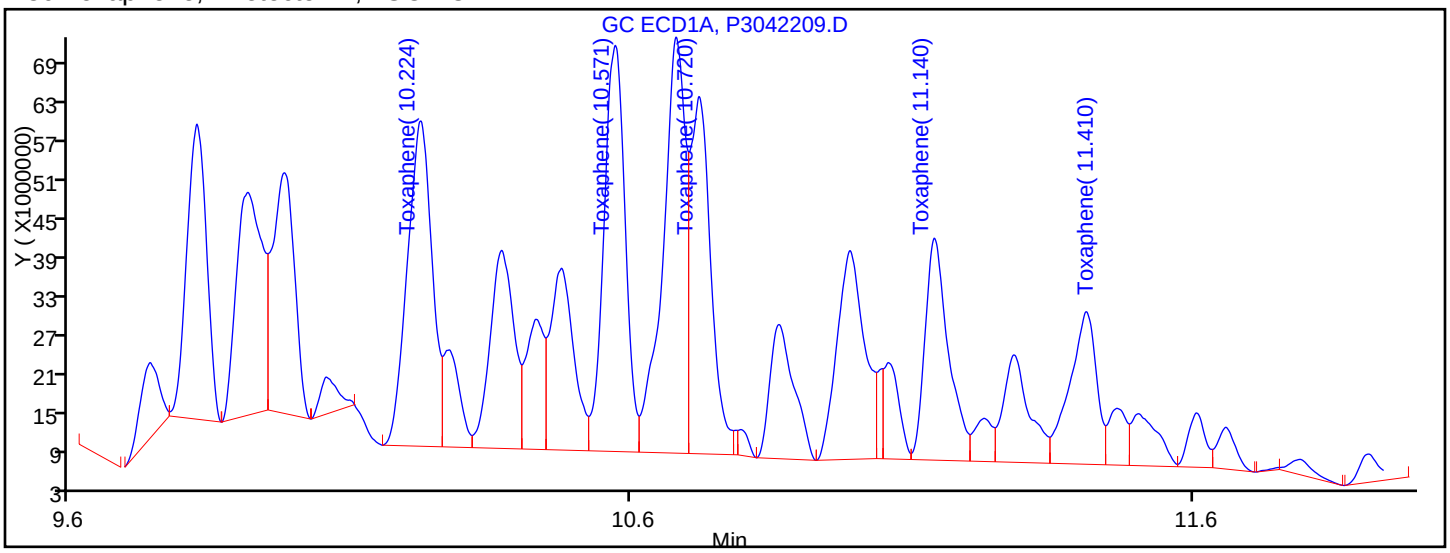
Report Date: 23-Apr-2013 12:11:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042209.D

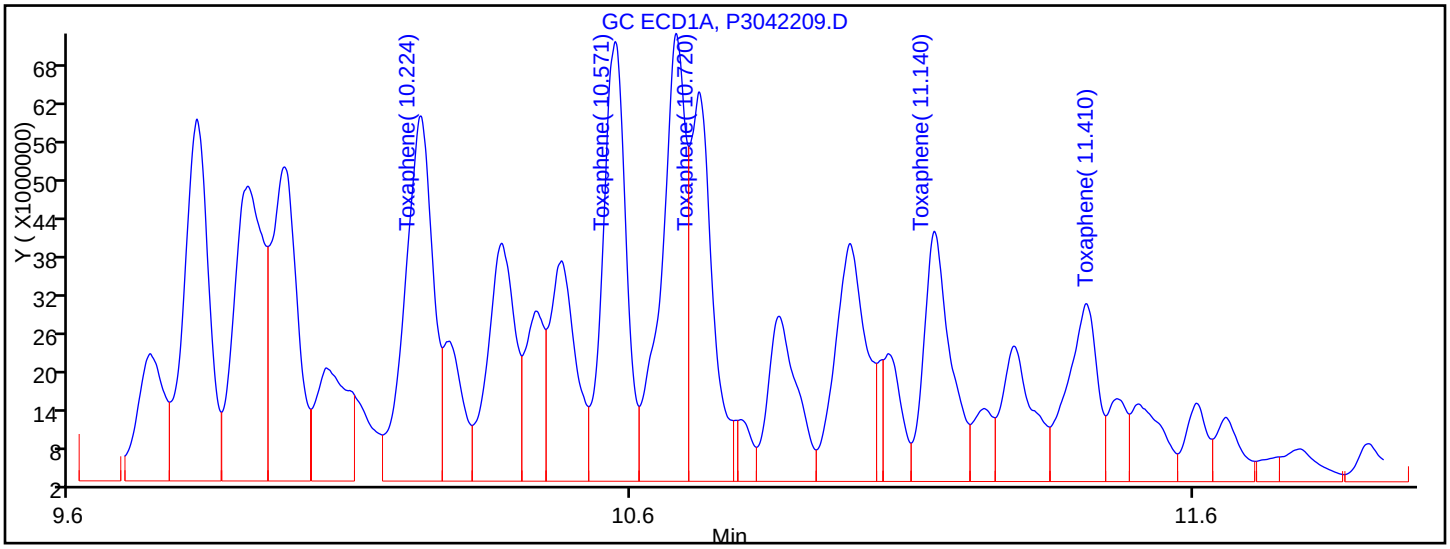
Injection Date:	22-Apr-2013 20:13:07	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	9
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.224	Response = 154437278	M
RT = 10.571	Response = 167333576	M
RT = 10.720	Response = 139036189	M
RT = 11.140	Response = 100004956	M
RT = 11.410	Response = 78536088	M



Manual Integration Results

RT = 10.224	Response = 200077873	M
RT = 10.571	Response = 201405330	M
RT = 10.720	Response = 167418615	M
RT = 11.140	Response = 131359105	M
RT = 11.410	Response = 104818744	M

Reviewer: shockr, 23-Apr-2013 09:12:05

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 18:52 Calibration End Date: 04/22/2013 20:13 Calibration ID: 14707

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-83061/5	P3042205.D
Level 2	STD 240-83061/6	P3042206.D
Level 3	STD 240-83061/7	P3042207.D
Level 4	STD 240-83061/8	P3042208.D
Level 5	STD 240-83061/9	P3042209.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	10.329	10.329	10.329	10.328	10.328						10.299 - 10.359	10.329
Toxaphene Peak 2	10.922	10.922	10.923	10.923	10.921						10.893 - 10.953	10.922
Toxaphene Peak 3	11.344	11.344	11.344	11.344	11.342						11.314 - 11.374	11.344
Toxaphene Peak 4	12.087	12.087	12.088	12.088	12.086						12.058 - 12.118	12.087
Toxaphene Peak 5	12.649	12.648	12.649	12.649	12.648						12.619 - 12.679	12.649

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 18:52 Calibration End Date: 04/22/2013 20:13 Calibration ID: 14707

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-83061/5	P3042205.D
Level 2	STD 240-83061/6	P3042206.D
Level 3	STD 240-83061/7	P3042207.D
Level 4	STD 240-83061/8	P3042208.D
Level 5	STD 240-83061/9	P3042209.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	14782720 16406867	14271188	14333029	15085422	Ave		14975845.1				5.8		20.0			
Toxaphene Peak 2	17650205 20593725	17229142	17605783	18608562	Ave		18337483.3				7.4		20.0			
Toxaphene Peak 3	20176750 24495998	19918654	20698591	21896542	Ave		21437307.0				8.7		20.0			
Toxaphene Peak 4	23288810 27364758	22044022	22859577	24454573	Ave		24002348.1				8.6		20.0			
Toxaphene Peak 5	9317940 11116153	8717934	9373778	9666969	Ave		9638554.84				9.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 18:52 Calibration End Date: 04/22/2013 20:13 Calibration ID: 14707

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-83061/5	P3042205.D
Level 2	STD 240-83061/6	P3042206.D
Level 3	STD 240-83061/7	P3042207.D
Level 4	STD 240-83061/8	P3042208.D
Level 5	STD 240-83061/9	P3042209.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	2956544	7135594	14333029	30170844	82034333	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	3530041	8614571	17605783	37217123	102968624	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	4035350	9959327	20698591	43793083	122479992	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	4657762	11022011	22859577	48909146	136823792	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	1863588	4358967	9373778	19333938	55580766	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042205.D
Lims ID: STD TOX 1 Client ID:
Inject. Date: 22-Apr-2013 18:52:22 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0019145-005
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 83061 Lims Sample ID: 5
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:17:44 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:13:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.221	10.226	-0.005	7038424	0.1838		100.0	M
1	2	10.569	10.570	-0.001	7092495	0.1933	77.7- 117.7	100.8	M
1	3	10.719	10.719	0.000	5591481	0.1939	57.0- 97.0	79.4	M
1	4	11.139	11.140	-0.001	4393652	0.1909	39.5- 79.5	62.4	M
1	5	11.409	11.411	-0.002	3407505	0.1885	26.4- 66.4	48.4	M
			Average of Peak Amounts =			0.1901			
2	100	10.329	10.329	0.000	2956544	0.1974		100.0	M
2	2	10.922	10.923	-0.001	3530041	0.1925	102.8- 142.8	119.4	M
2	3	11.344	11.344	0.000	4035350	0.1882	124.4- 164.4	136.5	M
2	4	12.087	12.088	-0.001	4657762	0.1941	139.5- 179.5	157.5	M
2	5	12.649	12.649	0.000	1863588	0.1933	45.4- 85.4	63.0	M
			Average of Peak Amounts =			0.1931			
						RPD = 1.59			

QC Flag Legend

Review Flags
M - Manually Integrated

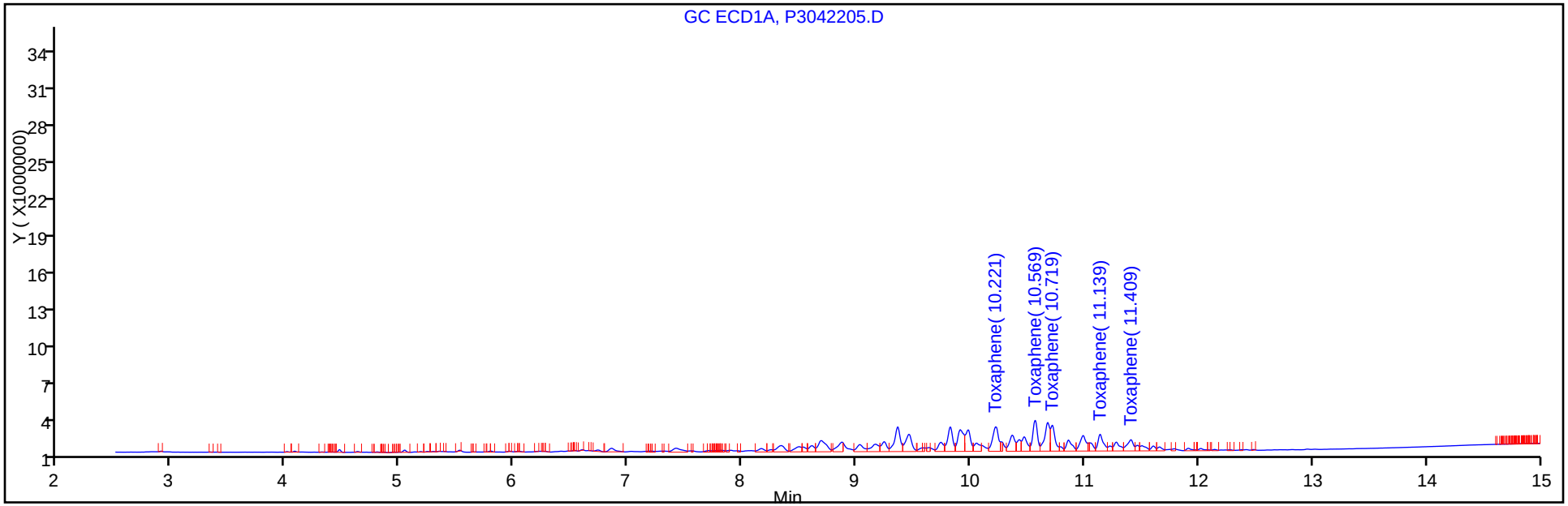
Report Date: 23-Apr-2013 12:17:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

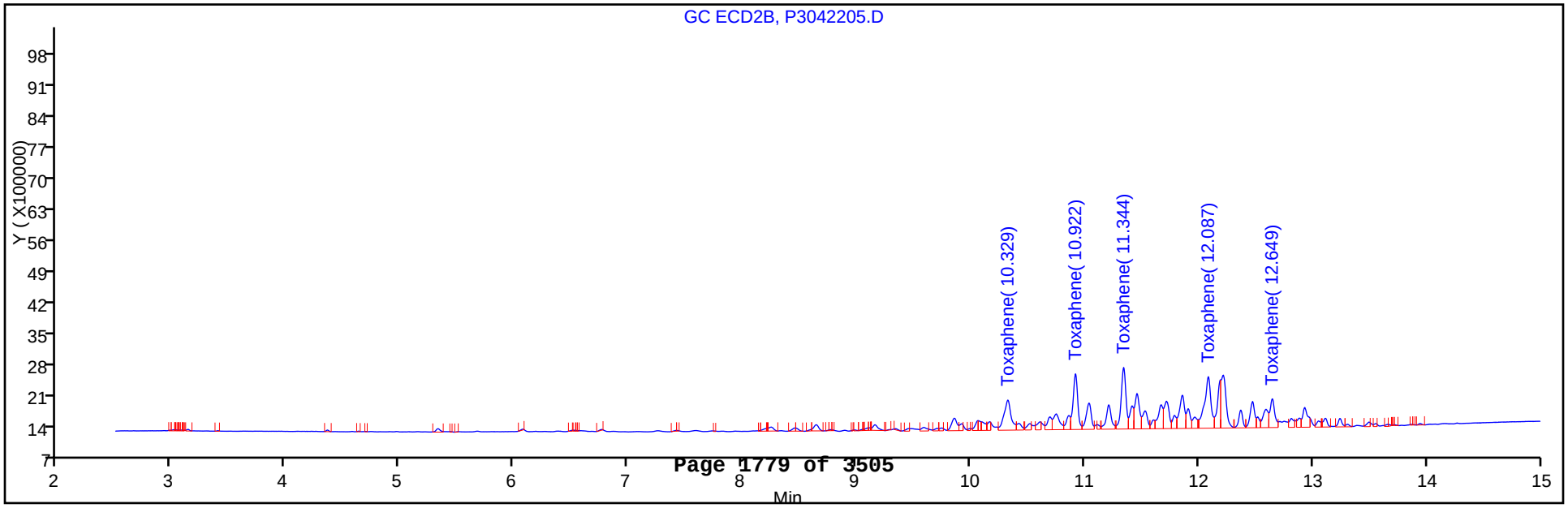
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042205.D

Injection Date:	22-Apr-2013 18:52:22	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



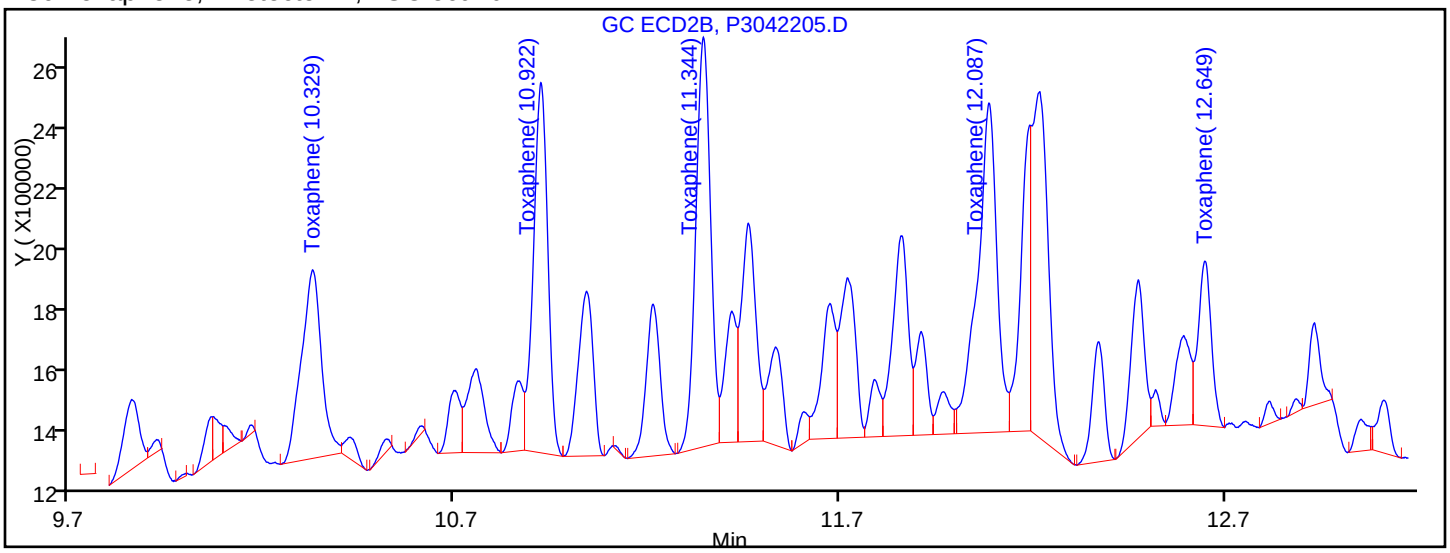
Report Date: 23-Apr-2013 12:17:46 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042205.D

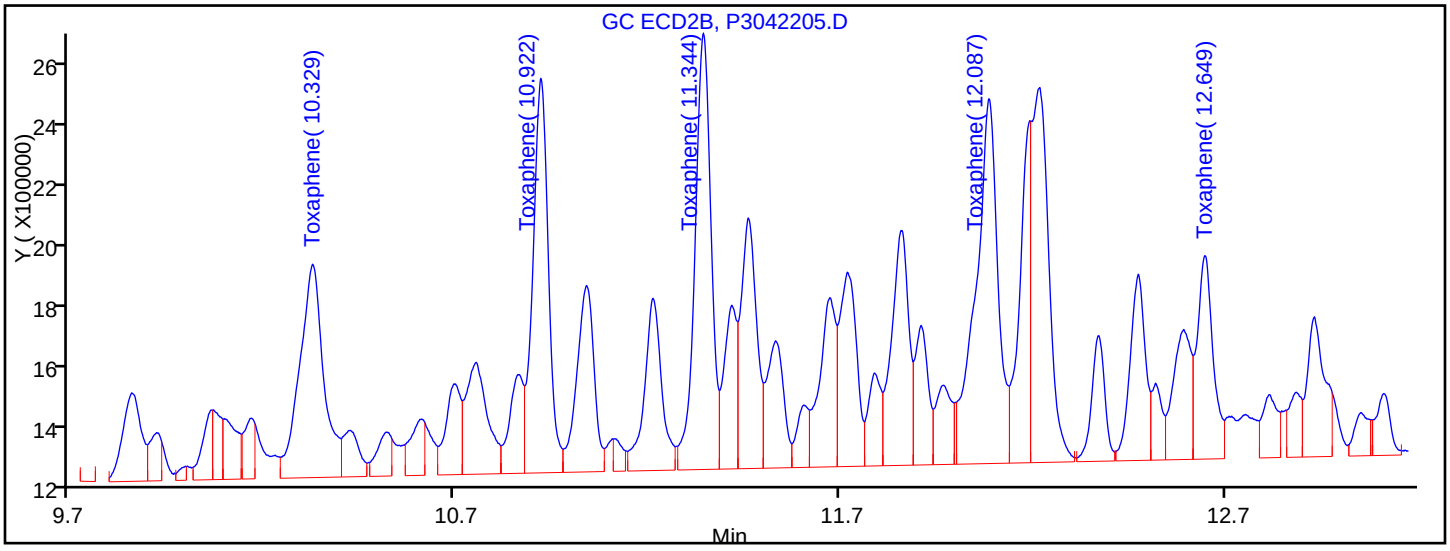
Injection Date:	22-Apr-2013 18:52:22	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.329	Response = 2169356	M
RT = 10.922	Response = 3025042	M
RT = 11.344	Response = 3447422	M
RT = 12.087	Response = 3666211	M
RT = 12.649	Response = 1246700	M



Manual Integration Results

RT = 10.329	Response = 2956544	M
RT = 10.922	Response = 3530041	M
RT = 11.344	Response = 4035350	M
RT = 12.087	Response = 4657762	M
RT = 12.649	Response = 1863588	M

Reviewer: shockr, 23-Apr-2013 09:13:14

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042206.D
Lims ID: STD TOX2 Client ID:
Inject. Date: 22-Apr-2013 19:12:36 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0019145-006
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 83061 Lims Sample ID: 6
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:11:23 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:12:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.224	10.226	-0.002	21970111	0.5737		100.0	M
1	2	10.570	10.570	0.000	17831223	0.4860	77.7- 117.7	81.2	M
1	3	10.722	10.719	0.003	13727455	0.4761	57.0- 97.0	62.5	M
1	4	11.140	11.140	0.000	11290183	0.4905	39.5- 79.5	51.4	M
1	5	11.414	11.411	0.003	8836141	0.4887	26.4- 66.4	40.2	M
			Average of Peak Amounts =			0.5030			
2	100	10.329	10.329	0.000	7135594	0.4765		100.0	M
2	2	10.922	10.923	-0.001	8614571	0.4698	102.8- 142.8	120.7	M
2	3	11.344	11.344	0.000	9959327	0.4646	124.4- 164.4	139.6	M
2	4	12.087	12.088	-0.001	11022011	0.4592	139.5- 179.5	154.5	M
2	5	12.648	12.649	-0.001	4358967	0.4522	45.4- 85.4	61.1	M
			Average of Peak Amounts =			0.4645			
						RPD = 7.97			

QC Flag Legend

Review Flags
M - Manually Integrated

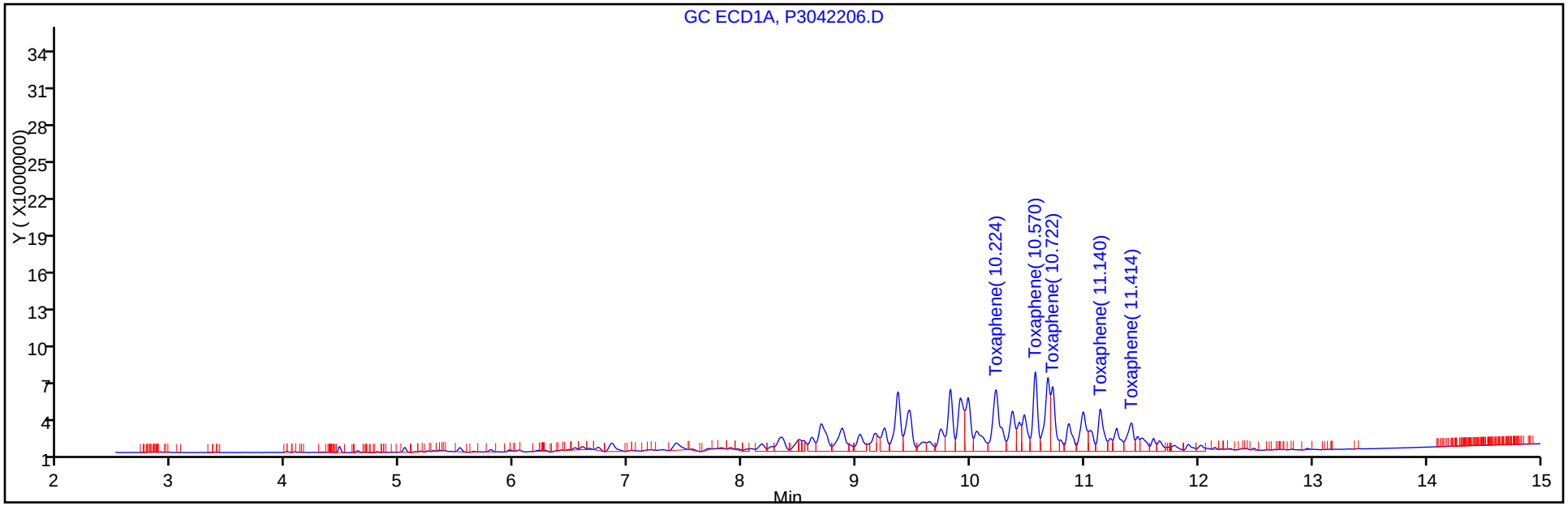
Report Date: 23-Apr-2013 12:11:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

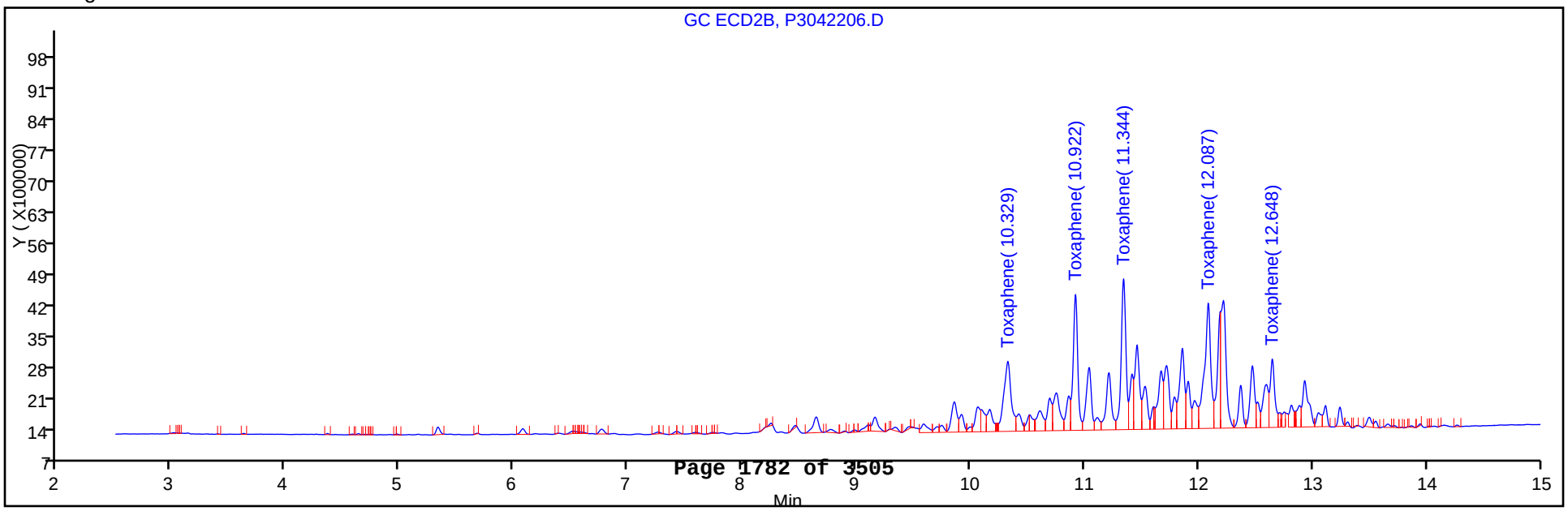
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042206.D

Injection Date:	22-Apr-2013 19:12:36	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	6
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



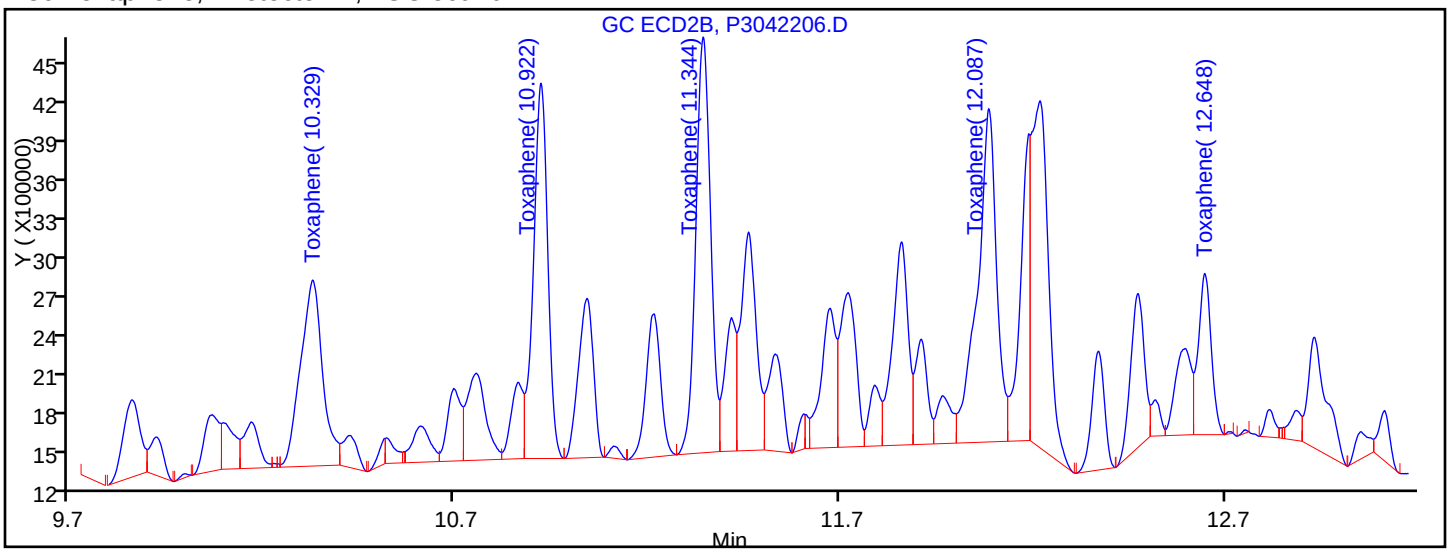
Report Date: 23-Apr-2013 12:11:24 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042206.D

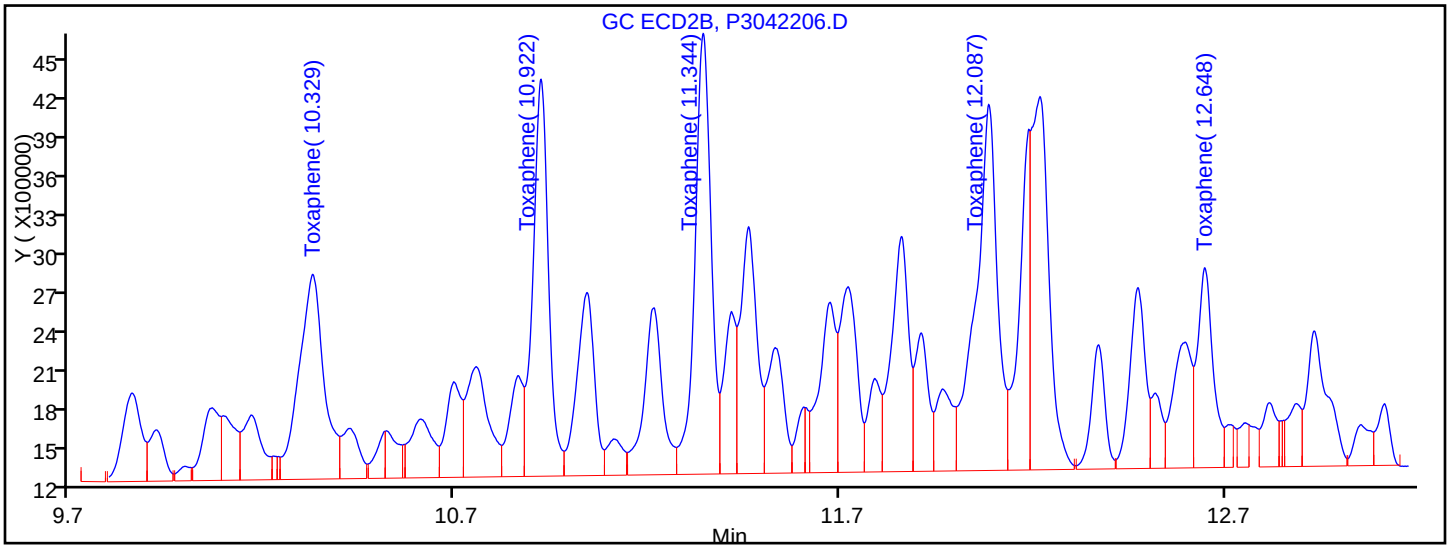
Injection Date:	22-Apr-2013 19:12:36	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	6
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.329	Response = 5673471	M
RT = 10.922	Response = 7422125	M
RT = 11.344	Response = 8488259	M
RT = 12.087	Response = 8833803	M
RT = 12.648	Response = 2877956	M



Manual Integration Results

RT = 10.329	Response = 7135594	M
RT = 10.922	Response = 8614571	M
RT = 11.344	Response = 9959327	M
RT = 12.087	Response = 11022011	M
RT = 12.648	Response = 4358967	M

Reviewer: shockr, 23-Apr-2013 09:12:43

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042207.D
Lims ID: STD TOX3 Client ID:
Inject. Date: 22-Apr-2013 19:32:46 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0019145-007
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 83061 Lims Sample ID: 7
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:11:25 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:12:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.226	10.226	0.000	36179012	0.9448		100.0	M
1	2	10.570	10.570	0.000	35343385	0.9633	77.7- 117.7	97.7	M
1	3	10.719	10.719	0.000	27873464	0.9667	57.0- 97.0	77.0	M
1	4	11.140	11.140	0.000	21510195	0.9345	39.5- 79.5	59.5	M
1	5	11.411	11.411	0.000	16771649	0.9276	26.4- 66.4	46.4	M
			Average of Peak Amounts =			0.9474			
2	100	10.329	10.329	0.000	14333029	0.9571		100.0	M
2	2	10.923	10.923	0.000	17605783	0.9601	102.8- 142.8	122.8	M
2	3	11.344	11.344	0.000	20698591	0.9655	124.4- 164.4	144.4	M
2	4	12.088	12.088	0.000	22859577	0.9524	139.5- 179.5	159.5	M
2	5	12.649	12.649	0.000	9373778	0.9725	45.4- 85.4	65.4	M
			Average of Peak Amounts =			0.9615			
						RPD = 1.49			

QC Flag Legend

Review Flags
M - Manually Integrated

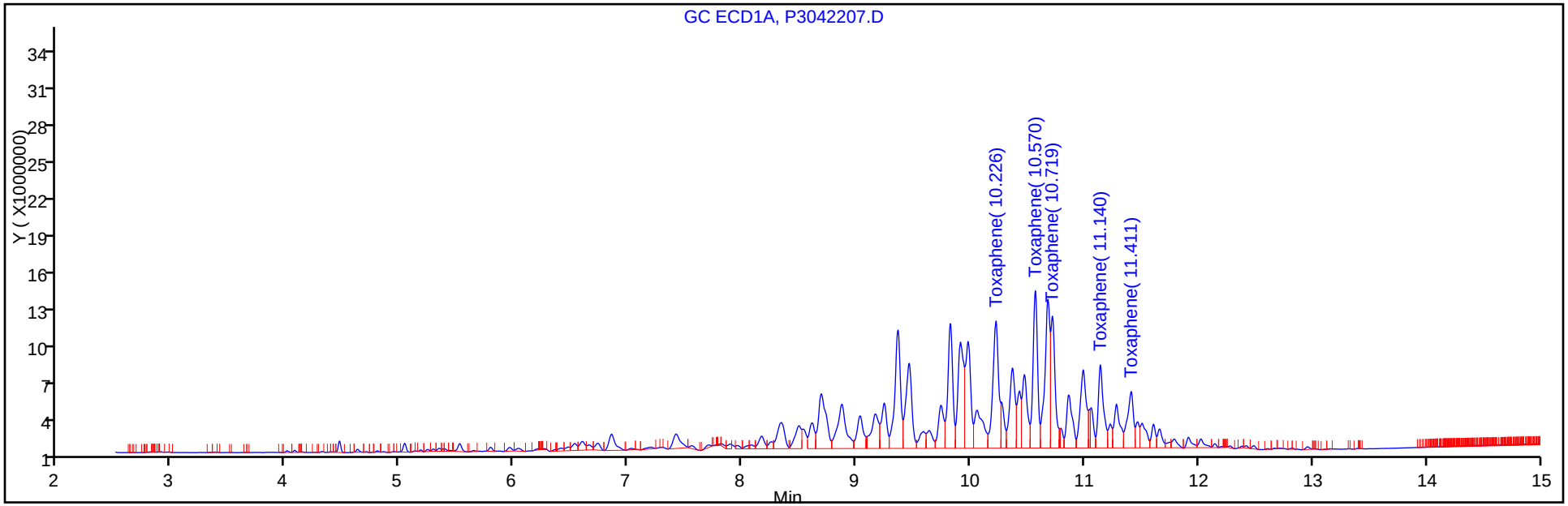
Report Date: 23-Apr-2013 12:11:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

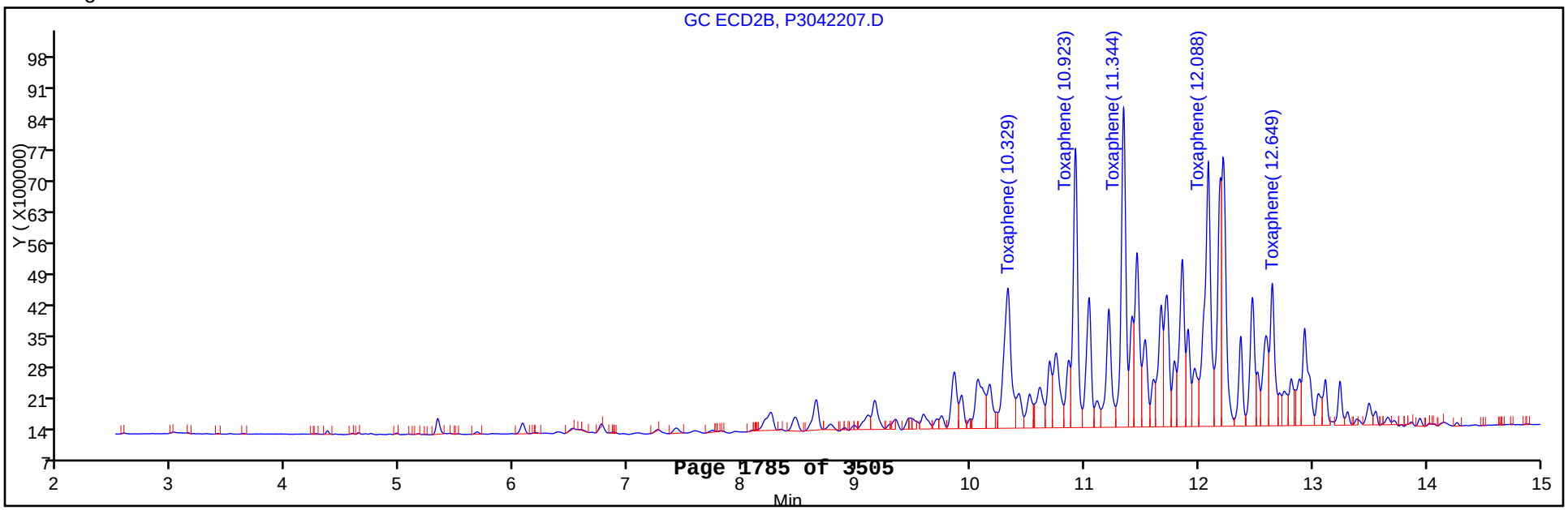
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042207.D

Injection Date:	22-Apr-2013 19:32:46	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



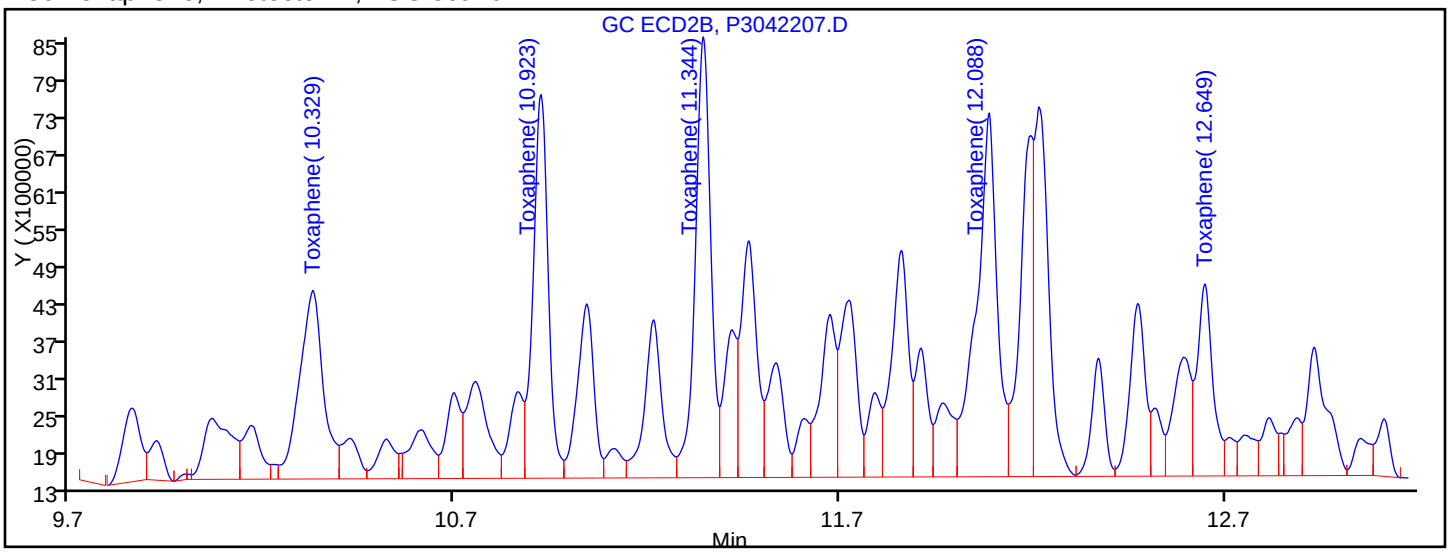
Report Date: 23-Apr-2013 12:11:26 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042207.D

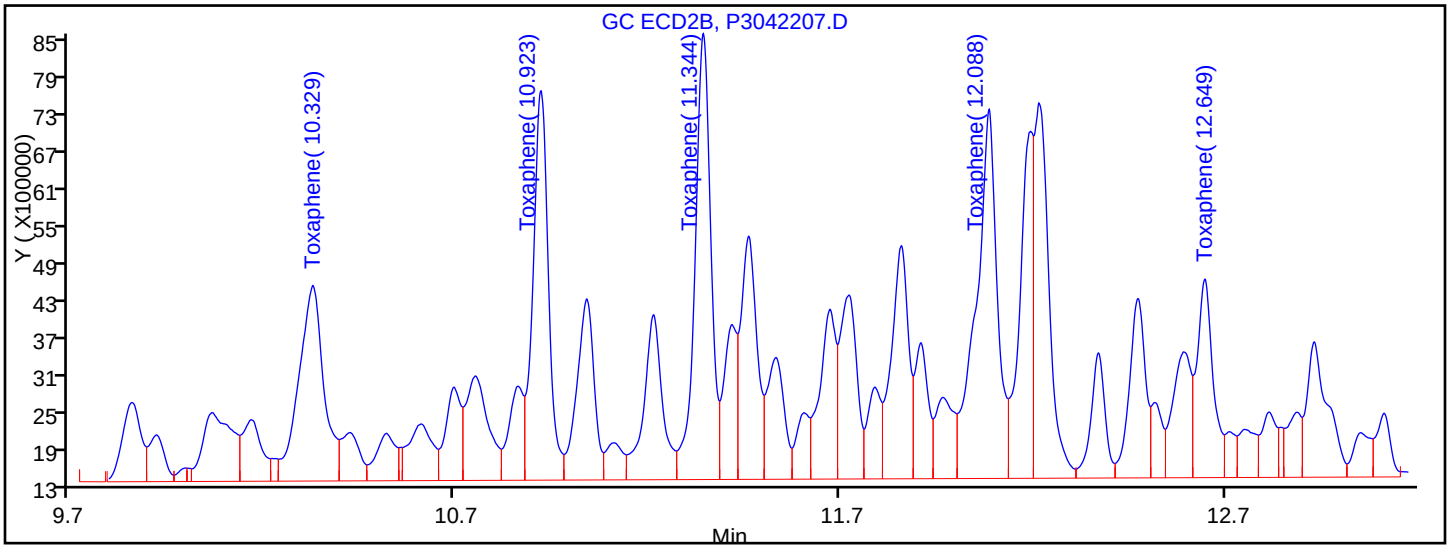
Injection Date:	22-Apr-2013 19:32:46	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.329	Response = 13097388	M
RT = 10.923	Response = 16823114	M
RT = 11.344	Response = 19846636	M
RT = 12.088	Response = 21859337	M
RT = 12.649	Response = 8763237	M



Manual Integration Results

RT = 10.329	Response = 14333029	M
RT = 10.923	Response = 17605783	M
RT = 11.344	Response = 20698591	M
RT = 12.088	Response = 22859577	M
RT = 12.649	Response = 9373778	M

Reviewer: shockr, 23-Apr-2013 09:12:31

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042208.D
Lims ID: STD TOX4 Client ID:
Inject. Date: 22-Apr-2013 19:52:53 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0019145-008
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 83061 Lims Sample ID: 8
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:11:27 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:12:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.223	10.226	-0.003	72293617	1.89		100.0	M
1	2	10.569	10.570	-0.001	73410771	2.00	77.7- 117.7	101.5	M
1	3	10.719	10.719	0.000	54803074	1.90	57.0- 97.0	75.8	M
1	4	11.139	11.140	-0.001	45517938	1.98	39.5- 79.5	63.0	M
1	5	11.412	11.411	0.001	35924381	1.99	26.4- 66.4	49.7	M
			Average of Peak Amounts =			1.95			
2	100	10.328	10.329	-0.001	30170844	2.01		100.0	
2	2	10.923	10.923	0.000	37217123	2.03	102.8- 142.8	123.4	
2	3	11.344	11.344	0.000	43793083	2.04	124.4- 164.4	145.2	
2	4	12.088	12.088	0.000	48909146	2.04	139.5- 179.5	162.1	
2	5	12.649	12.649	0.000	19333938	2.01	45.4- 85.4	64.1	
			Average of Peak Amounts =			2.03			
						RPD = 3.79			

QC Flag Legend

Review Flags
M - Manually Integrated

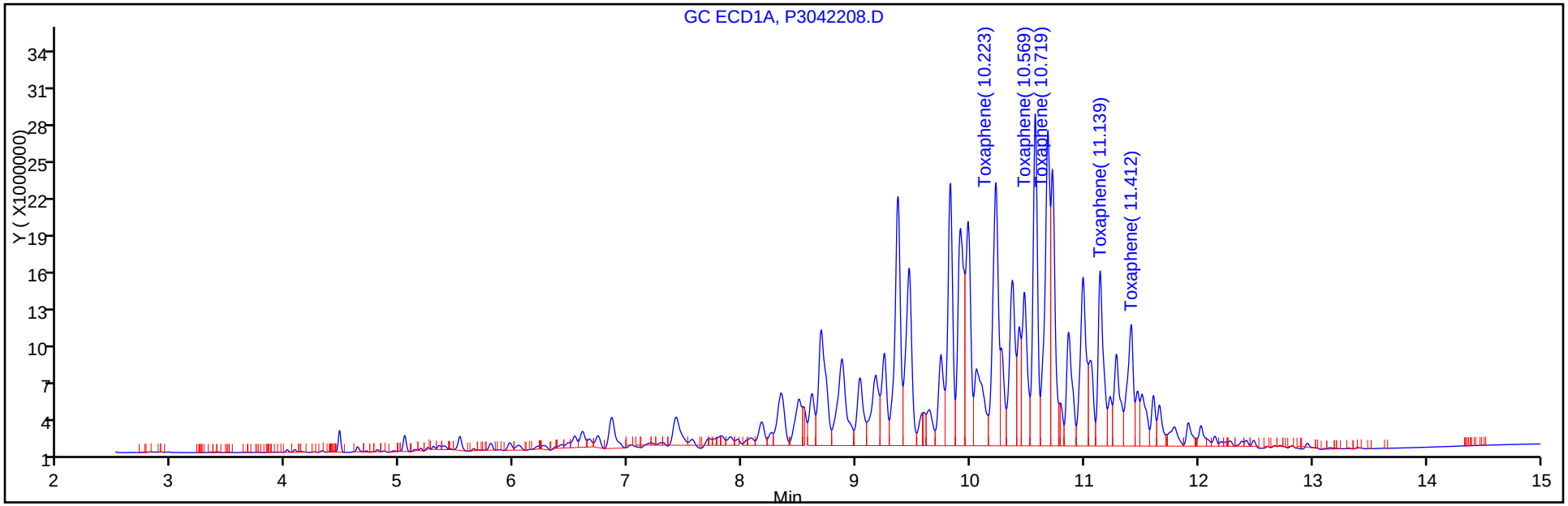
Report Date: 23-Apr-2013 12:11:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

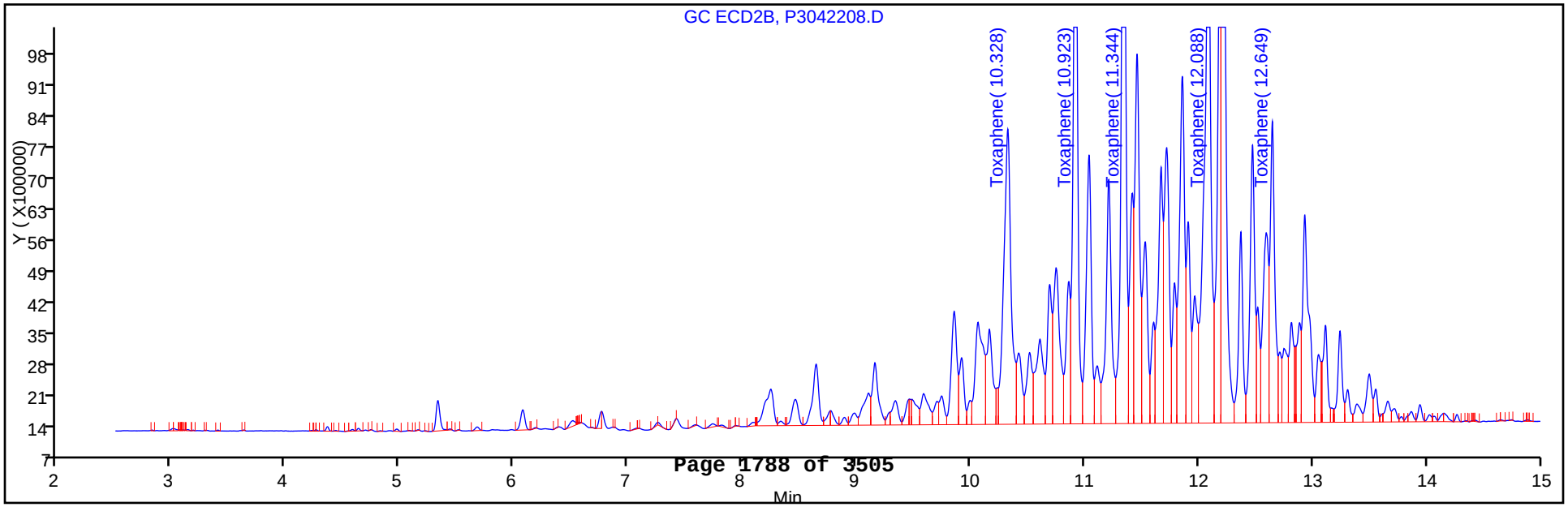
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042208.D

Injection Date:	22-Apr-2013 19:52:53	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	8
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042209.D
Lims ID: STD TOX5 Client ID:
Inject. Date: 22-Apr-2013 20:13:07 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0019145-009
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 83061 Lims Sample ID: 9
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:11:29 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:12:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.224	10.226	-0.002	200077873	5.22		100.0	M
1	2	10.571	10.570	0.001	201405330	5.49	77.7- 117.7	100.7	M
1	3	10.720	10.719	0.001	167418615	5.81	57.0- 97.0	83.7	M
1	4	11.140	11.140	0.000	131359105	5.71	39.5- 79.5	65.7	M
1	5	11.410	11.411	-0.001	104818744	5.80	26.4- 66.4	52.4	M
			Average of Peak Amounts =			5.60			
2	100	10.328	10.329	-0.001	82034333	5.48		100.0	M
2	2	10.921	10.923	-0.002	102968624	5.62	102.8- 142.8	125.5	M
2	3	11.342	11.344	-0.002	122479992	5.71	124.4- 164.4	149.3	M
2	4	12.086	12.088	-0.002	136823792	5.70	139.5- 179.5	166.8	M
2	5	12.648	12.649	-0.001	55580766	5.77	45.4- 85.4	67.8	M
			Average of Peak Amounts =			5.65			
						RPD = 0.89			

QC Flag Legend

Review Flags
M - Manually Integrated

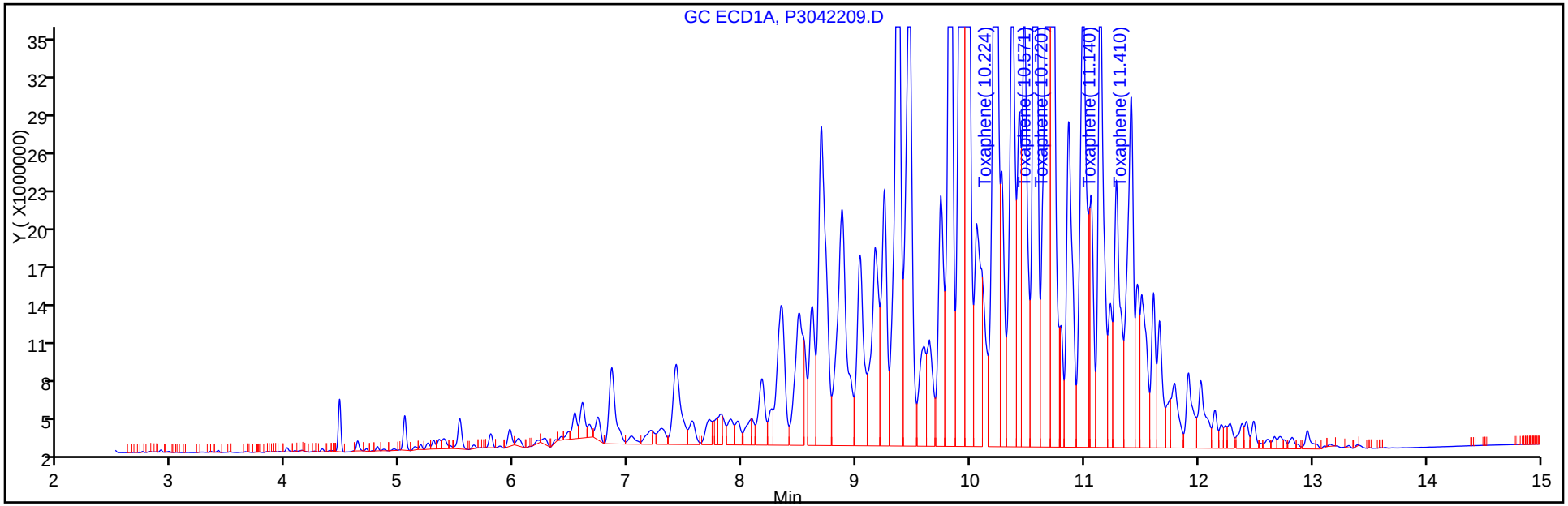
Report Date: 23-Apr-2013 12:11:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

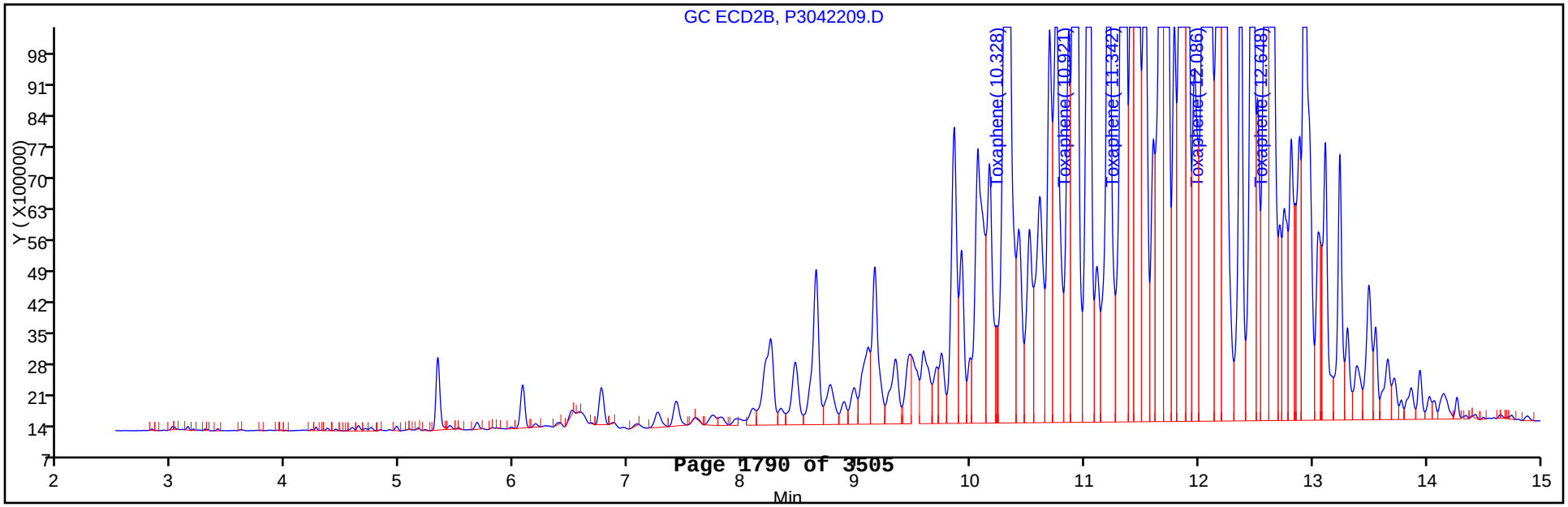
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042209.D

Injection Date:	22-Apr-2013 20:13:07	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	9
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



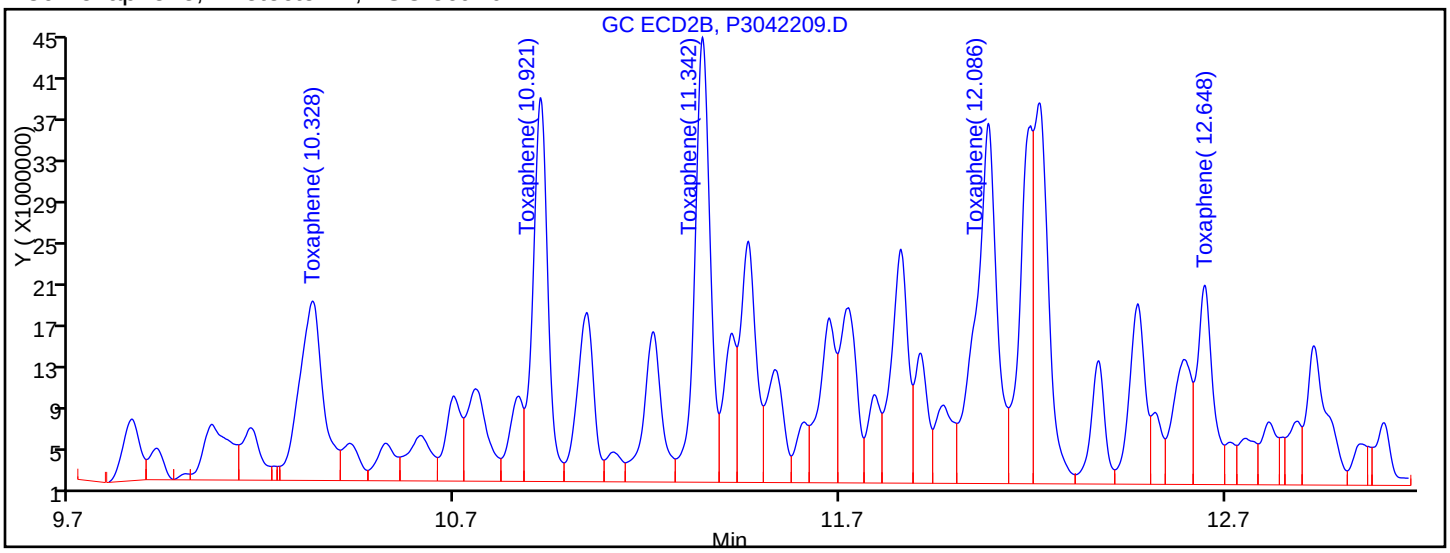
Report Date: 23-Apr-2013 12:11:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042209.D

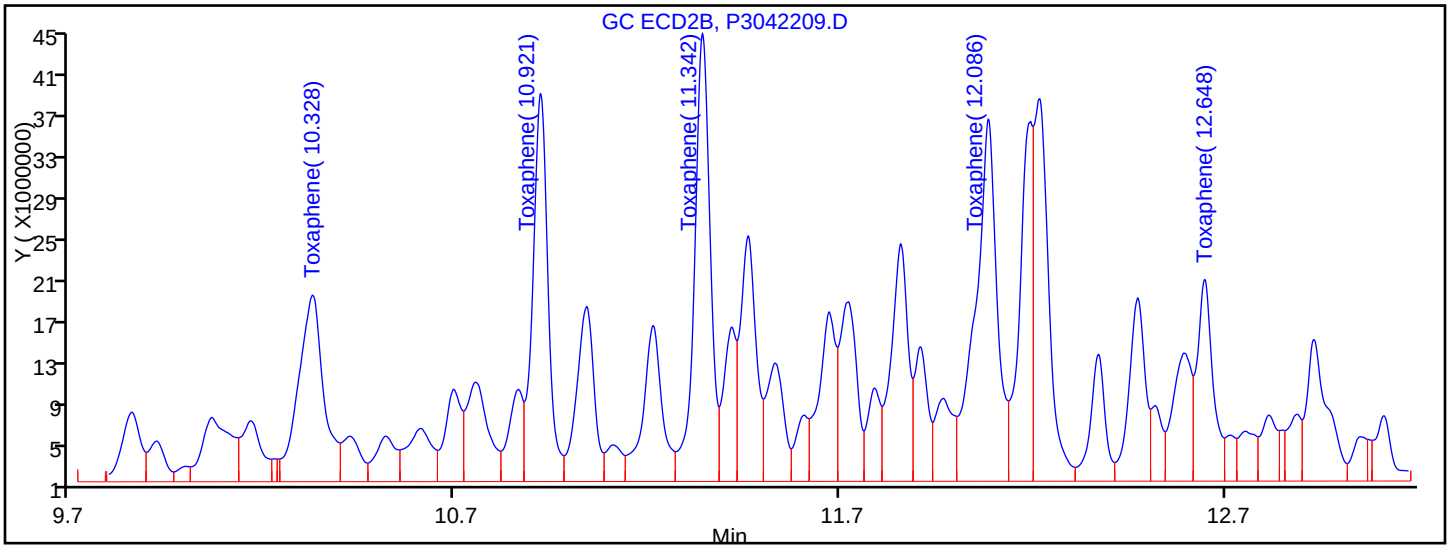
Injection Date:	22-Apr-2013 20:13:07	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	9
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.328	Response = 74163457	M
RT = 10.921	Response = 98487842	M
RT = 11.342	Response = 118089231	M
RT = 12.086	Response = 132777700	M
RT = 12.648	Response = 53682709	M



Manual Integration Results

RT = 10.328	Response = 82034333	M
RT = 10.921	Response = 102968624	M
RT = 11.342	Response = 122479992	M
RT = 12.086	Response = 136823792	M
RT = 12.648	Response = 55580766	M

Reviewer: shockr, 23-Apr-2013 09:12:05

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 22:54 Calibration End Date: 04/23/2013 00:35 Calibration ID: 14696

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-83061/17	P3042217.D
Level 2	STD 240-83061/18	P3042218.D
Level 3	STD 240-83061/19	P3042219.D
Level 4	STD 240-83061/20	P3042220.D
Level 5	STD 240-83061/21	P3042221.D
Level 6	STD 240-83061/22	P3042222.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.160	4.161	4.161	4.161	4.161	4.161					4.130 - 4.190	4.161
gamma-BHC (Lindane)	4.538	4.538	4.539	4.539	4.539	4.539					4.508 - 4.568	4.539
beta-BHC	4.670	4.671	4.671	4.671	4.671	4.670					4.641 - 4.701	4.671
delta-BHC	4.883	4.883	4.884	4.883	4.885	4.884					4.853 - 4.913	4.884
Heptachlor	5.164	5.164	5.165	5.165	5.166	5.165					5.135 - 5.195	5.165
Aldrin	5.611	5.611	5.611	5.611	5.612	5.612					5.581 - 5.641	5.611
Heptachlor epoxide	6.825	6.828	6.826	6.827	6.827	6.826					6.796 - 6.856	6.827
gamma-Chlordane	7.123	7.127	7.125	7.127	7.126	7.128					7.096 - 7.156	7.126
alpha-Chlordane	7.475	7.473	7.474	7.475	7.475	7.474					7.444 - 7.504	7.474
Endosulfan I	7.751	7.750	7.751	7.751	7.751	7.751					7.721 - 7.781	7.751
4,4'-DDE	7.854	7.854	7.853	7.853	7.854	7.853					7.822 - 7.882	7.854
Dieldrin	8.314	8.317	8.315	8.316	8.316	8.315					8.286 - 8.346	8.316
Endrin	8.773	8.777	8.776	8.776	8.774	8.775					8.746 - 8.806	8.775
4,4'-DDD	9.143	9.146	9.145	9.141	9.143	9.142					9.113 - 9.173	9.143
Endosulfan II	9.229	9.229	9.229	9.230	9.230	9.229					9.200 - 9.260	9.229
4,4'-DDT	9.669	9.670	9.671	9.672	9.671	9.670					9.640 - 9.700	9.671
Endrin aldehyde	10.033	10.035	10.035	10.035	10.035	10.035					10.005 - 10.065	10.035
Methoxychlor	10.635	10.635	10.635	10.635	10.633	10.635					10.604 - 10.664	10.635
Endosulfan sulfate	10.767	10.766	10.767	10.766	10.766	10.767					10.737 - 10.797	10.767
Endrin ketone	11.168	11.169	11.168	11.169	11.168	11.170					11.138 - 11.198	11.169
Tetrachloro-m-xylene	3.471	3.471	3.471	3.471	3.471	3.471					3.441 - 3.501	3.471
DCB Decachlorobiphenyl	12.790	12.791	12.791	12.791	12.790	12.790					12.761 - 12.821	12.791

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 22:54 Calibration End Date: 04/23/2013 00:35 Calibration ID: 14696

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-83061/17	P3042217.D
Level 2	STD 240-83061/18	P3042218.D
Level 3	STD 240-83061/19	P3042219.D
Level 4	STD 240-83061/20	P3042220.D
Level 5	STD 240-83061/21	P3042221.D
Level 6	STD 240-83061/22	P3042222.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	1275114000 1448170300	1256009100 1415317120	1392249040	1368598100	Ave		1359242943				5.7		20.0			
gamma-BHC (Lindane)	1155901200 1279951440	1127009800 1249468340	1231603120	1207690760	Ave		1208604110				4.8		20.0			
beta-BHC	568978800 510990080	524488300 494941575	522500080	493709580	Ave		519268069				5.3		20.0			
delta-BHC	1140997000 1318868410	1124515000 1293864705	1230804560	1236668200	Ave		1224286313				6.4		20.0			
Heptachlor	1041975200 1077825500	989582100 1031877345	1044127760	1006696320	Ave		1032014038				3.0		20.0			
Aldrin	1073663000 1137988950	1040708600 1097100045	1110370080	1068906960	Ave		1088122939				3.2		20.0			
Heptachlor epoxide	1041212000 1005964540	975896600 962182780	1007767600	964041960	Ave		992844247				3.1		20.0			
gamma-Chlordane	1025745200 1029243640	957235400 1010993375	999053560	970917620	Ave		998864799				2.9		20.0			
alpha-Chlordane	1062454800 1039701090	999646400 1013300960	1033108440	990919260	Ave		1023188492				2.6		20.0			
Endosulfan I	944246400 920938860	889686500 887623905	914420120	881621000	Ave		906422798				2.7		20.0			
4,4'-DDE	958726400 1013992920	915009400 995224475	975876640	954348520	Ave		968863059				3.6		20.0			
Dieldrin	1009557600 1034905390	956351300 999894735	1012685480	976647720	Ave		998340371				2.8		20.0			
Endrin	934132200 970321960	883904500 930702205	946193920	911830640	Ave		929514238				3.2		20.0			
4,4'-DDD	710386200 800493350	694260800 790474815	758599800	733487420	Ave		747950398				5.7		20.0			
Endosulfan II	875416200 858714430	818626800 825794315	854982480	805318020	Ave		839808708				3.2		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 22:54 Calibration End Date: 04/23/2013 00:35 Calibration ID: 14696

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	686491400 748488540	660355900 737675760	699781640	686386440	Ave		703196613				4.8		20.0			
Endrin aldehyde	684027200 649229700	643910400 622535220	647323160	618650940	Ave		644279437				3.6		20.0			
Methoxychlor	385687600 349622490	365602300 328432540	356959120	335685060	Ave		353664852				5.9		20.0			
Endosulfan sulfate	832082600 772817280	776679000 742425930	788552040	741971340	Ave		775754698				4.3		20.0			
Endrin ketone	920561600 914598820	882530600 876120215	921583600	874028460	Ave		898237216				2.6		20.0			
Tetrachloro-m-xylene	930780800 885128050	868657400 849601770	900302080	859499640	Ave		882328290				3.4		20.0			
DCB Decachlorobiphenyl	964304800 774355700	871140200 737896505	837583360	777662780	Ave		827157224				10.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 22:54 Calibration End Date: 04/23/2013 00:35 Calibration ID: 14696

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-83061/17	P3042217.D
Level 2	STD 240-83061/18	P3042218.D
Level 3	STD 240-83061/19	P3042219.D
Level 4	STD 240-83061/20	P3042220.D
Level 5	STD 240-83061/21	P3042221.D
Level 6	STD 240-83061/22	P3042222.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	6375570 283063424	12560091	34806226	68429905	144817030	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	5779506 249893668	11270098	30790078	60384538	127995144	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	2844894 98988315	5244883	13062502	24685479	51099008	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	5704985 258772941	11245150	30770114	61833410	131886841	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	5209876 206375469	9895821	26103194	50334816	107782550	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	5368315 219420009	10407086	27759252	53445348	113798895	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	5206060 192436556	9758966	25194190	48202098	100596454	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	5128726 202198675	9572354	24976339	48545881	102924364	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	5312274 202660192	9996464	25827711	49545963	103970109	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	4721232 177524781	8896865	22860503	44081050	92093886	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	4793632 199044895	9150094	24396916	47717426	101399292	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	5047788 199978947	9563513	25317137	48832386	103490539	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	4670661 186140441	8839045	23654848	45591532	97032196	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	3551931 158094963	6942608	18964995	36674371	80049335	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	4377081 165158863	8186268	21374562	40265901	85871443	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	3432457 147535152	6603559	17494541	34319322	74848854	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 22:54 Calibration End Date: 04/23/2013 00:35 Calibration ID: 14696

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	3420136 124507044	6439104	16183079	30932547	64922970	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	1928438 65686508	3656023	8923978	16784253	34962249	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	4160413 148485186	7766790	19713801	37098567	77281728	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	4602808 175224043	8825306	23039590	43701423	91459882	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	4653904 169920354	8686574	22507552	42974982	88512805	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	4821524 147579301	8711402	20939584	38883139	77435570	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042217.D
Lims ID: STD AB L1 Client ID:
Inject. Date: 22-Apr-2013 22:54:23 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0019145-017
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 83061 Lims Sample ID: 17
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:07:08 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:19:27

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	4653904	0.005275			
2	100	4.066	4.065	0.001	2449581	0.005102			
						RPD = 3.32			
5 alpha-BHC									
1	100	4.160	4.160	0.000	6375570	0.004691			
2	100	4.917	4.918	-0.001	3186402	0.004462			
						RPD = 4.99			
20 gamma-BHC (Lindane)									
1	100	4.538	4.538	0.000	5779506	0.004782			
2	100	5.498	5.497	0.001	2933803	0.004680			
						RPD = 2.15			
7 beta-BHC									
1	100	4.670	4.671	-0.001	2844894	0.005479			
2	100	5.683	5.682	0.001	1521086	0.005458			
						RPD = 0.38			
11 delta-BHC									
1	100	4.883	4.883	0.000	5704985	0.004660			
2	100	6.265	6.263	0.002	2970907	0.004577			
						RPD = 1.79			
22 Heptachlor									
1	100	5.164	5.165	-0.001	5209876	0.005048			
2	100	6.326	6.325	0.001	2499954	0.005059			
						RPD = 0.20			
4 Aldrin									
1	100	5.611	5.611	0.000	5368315	0.004934			
2	100	7.071	7.069	0.002	2782232	0.004805			
						RPD = 2.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.825	6.826	-0.001	5206060	0.005244			
2	100	8.572	8.569	0.003	2606908	0.005075			
						RPD = 3.27			
21 gamma-Chlordane									
1	100	7.123	7.126	-0.003	5128726	0.005135			
2	100	8.978	8.977	0.001	2527902	0.004969			
						RPD = 3.28			
6 alpha-Chlordane									M
1	100	7.475	7.474	0.001	5312274	0.005192			M
2	100	9.287	9.285	0.002	2625015	0.005023			
						RPD = 3.31			
14 Endosulfan I									
1	100	7.751	7.751	0.000	4721232	0.005209			
2	100	9.352	9.351	0.001	2304155	0.005018			
						RPD = 3.73			
2 4,4'-DDE									
1	100	7.854	7.852	0.002	4793632	0.004948			
2	100	9.733	9.733	0.000	2353843	0.004737			
						RPD = 4.35			
13 Dieldrin									
1	100	8.314	8.316	-0.002	5047788	0.005056			
2	100	9.880	9.879	0.001	2426219	0.004848			
						RPD = 4.21			
17 Endrin									
1	100	8.773	8.776	-0.003	4670661	0.005025			
2	100	10.402	10.403	-0.001	2234196	0.004872			
						RPD = 3.10			
1 4,4'-DDD									
1	100	9.143	9.143	0.000	3551931	0.004749			
2	100	10.742	10.742	0.000	1563101	0.004483			
						RPD = 5.76			
15 Endosulfan II									
1	100	9.229	9.230	-0.001	4377081	0.005212			
2	100	10.773	10.773	0.000	2224000	0.005203			
						RPD = 0.17			
3 4,4'-DDT									
1	100	9.669	9.670	-0.001	3432457	0.004881			
2	100	11.224	11.224	0.000	1506535	0.004864			
						RPD = 0.35			
18 Endrin aldehyde									
1	100	10.033	10.035	-0.002	3420136	0.005308			
2	100	11.341	11.339	0.002	1681053	0.005200			
						RPD = 2.06			
27 Methoxychlor									
1	100	10.635	10.634	0.001	1928438	0.005453			
2	100	12.307	12.309	-0.002	815520	0.005289			
						RPD = 3.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.767	10.767	0.000	4160413	0.005363			
2	100	11.760	11.759	0.001	2012048	0.005237			
						RPD = 2.38			
19 Endrin ketone									
1	100	11.168	11.168	0.000	4602808	0.005124			
2	100	12.508	12.510	-0.002	2190212	0.005095			
						RPD = 0.57			
$ 10 DCB Decachlorobiphenyl									
1	100	12.790	12.791	-0.001	4821524	0.005829			
2	100	14.229	14.228	0.001	2540528	0.005882			
						RPD = 0.90			

QC Flag Legend

Review Flags
M - Manually Integrated

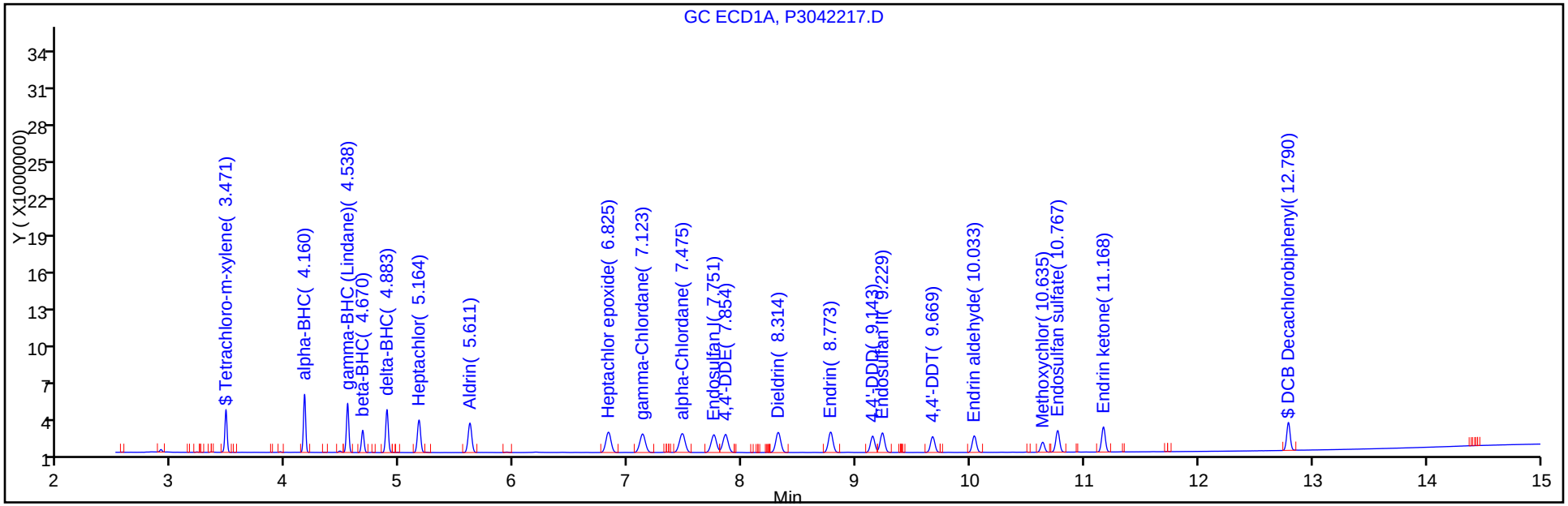
Report Date: 23-Apr-2013 12:07:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

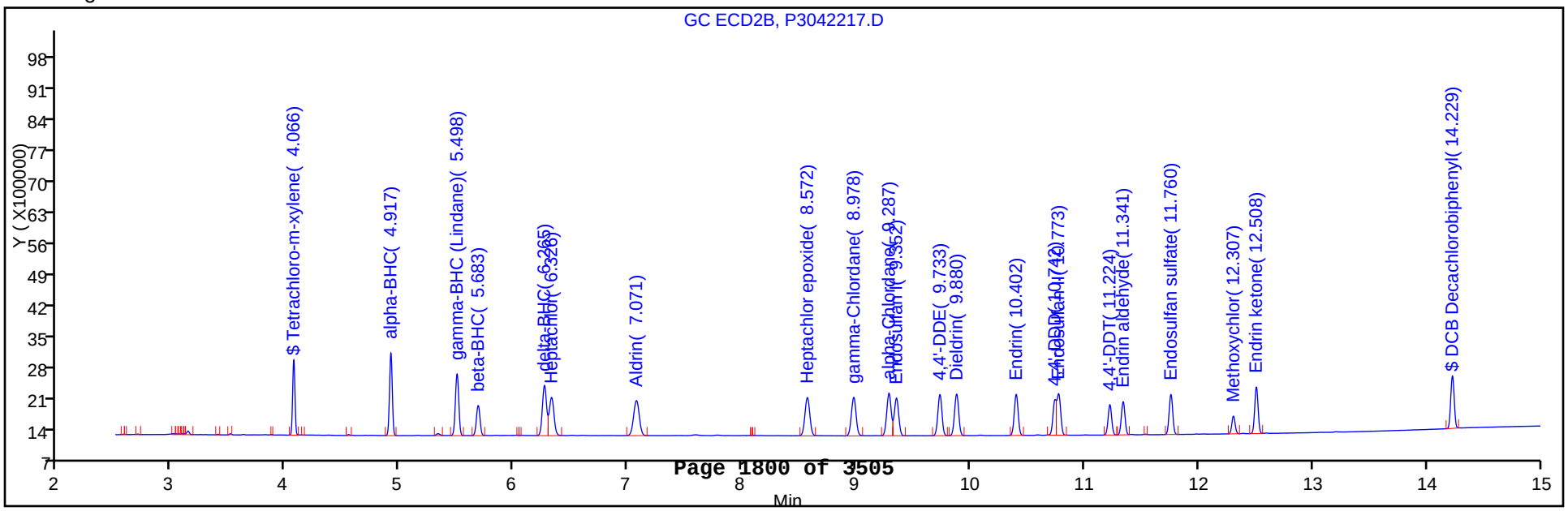
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042217.D

Injection Date:	22-Apr-2013 22:54:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	17
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

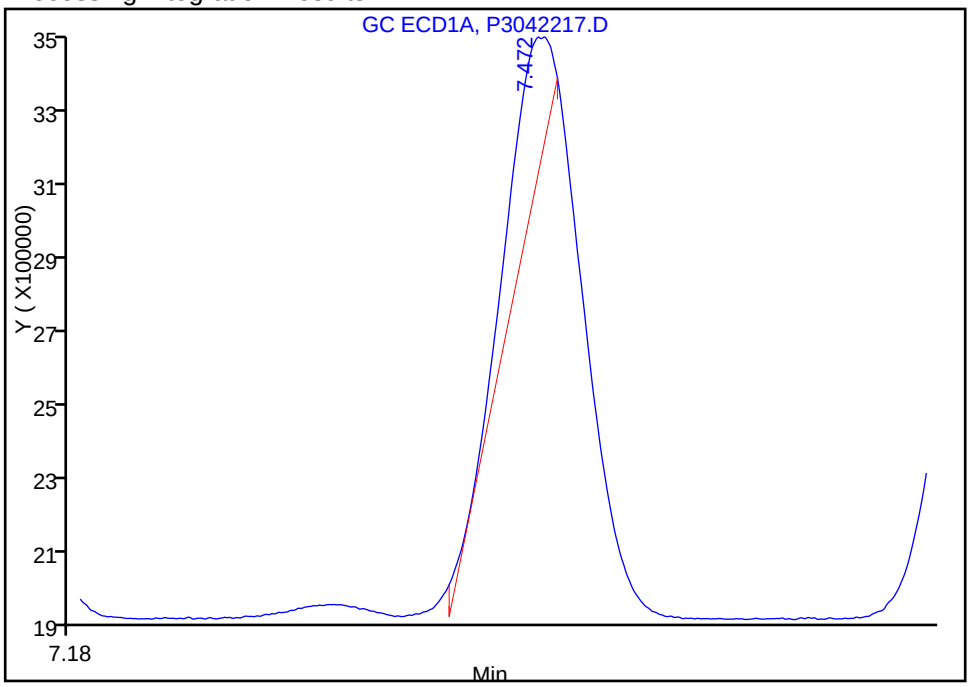
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042217.D		
Injection Date:	22-Apr-2013 22:54:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	17
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 alpha-Chlordane, Signal: 1, Type: quant, RT: 7.47, Det: GC ECD1A

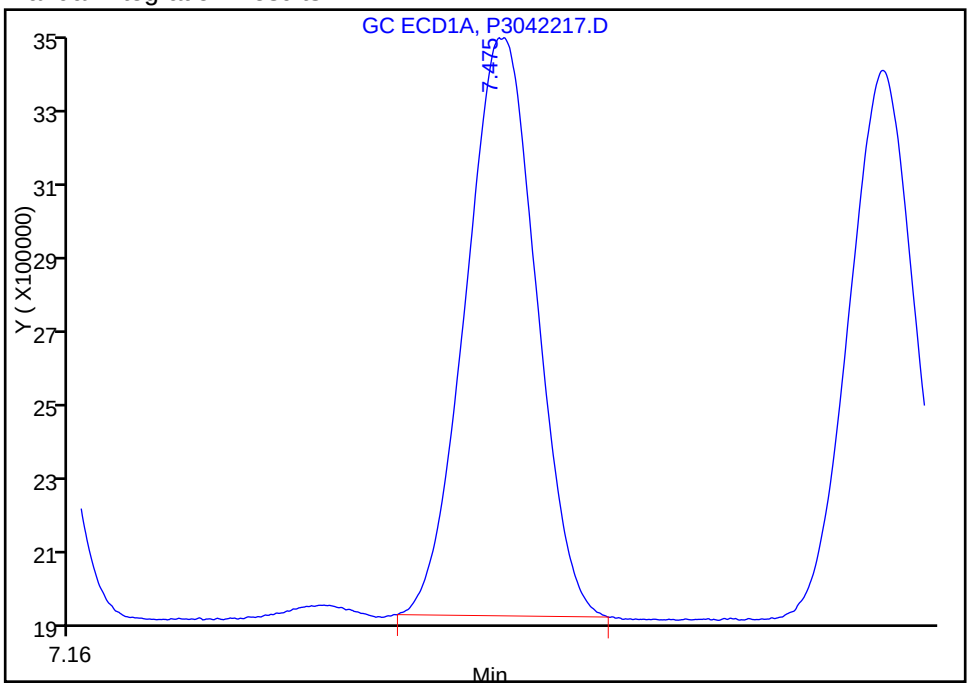
Processing Integration Results

RT: 7.47
Response: 735161
Amount: 0.003452



Manual Integration Results

RT: 7.47
Response: 5312274
Amount: 0.005192



Reviewer: shockr, 23-Apr-2013 09:19:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042218.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 22-Apr-2013 23:14:37 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0019145-018
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 83061 Lims Sample ID: 18
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:07:10 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	8686574	0.009845			
2	100	4.066	4.065	0.001	4593783	0.009568			
						RPD = 2.85			
5 alpha-BHC									
1	100	4.161	4.160	0.001	12560091	0.009241			
2	100	4.918	4.918	0.000	6340155	0.008878			
						RPD = 4.00			
20 gamma-BHC (Lindane)									
1	100	4.538	4.538	0.000	11270098	0.009325			
2	100	5.498	5.497	0.001	5653208	0.009019			
						RPD = 3.34			
7 beta-BHC									
1	100	4.671	4.671	0.000	5244883	0.0101			
2	100	5.684	5.682	0.002	2798769	0.0100			
						RPD = 0.57			
11 delta-BHC									
1	100	4.883	4.883	0.000	11245150	0.009185			
2	100	6.264	6.263	0.001	5733959	0.008834			
						RPD = 3.90			
22 Heptachlor									
1	100	5.164	5.165	-0.001	9895821	0.009589			
2	100	6.327	6.325	0.002	4669742	0.009449			
						RPD = 1.47			
4 Aldrin									
1	100	5.611	5.611	0.000	10407086	0.009564			
2	100	7.072	7.069	0.003	5416769	0.009355			
						RPD = 2.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.828	6.826	0.002	9758966	0.009829			
2	100	8.573	8.569	0.004	4890809	0.009521			
						RPD = 3.18			
21 gamma-Chlordane									
1	100	7.127	7.126	0.001	9572354	0.009583			
2	100	8.977	8.977	0.000	4773113	0.009382			
						RPD = 2.12			
6 alpha-Chlordane									
1	100	7.473	7.474	-0.001	9996464	0.009770			
2	100	9.287	9.285	0.002	4963796	0.009498			
						RPD = 2.82			
14 Endosulfan I									
1	100	7.750	7.751	-0.001	8896865	0.009815			
2	100	9.353	9.351	0.002	4375493	0.009529			
						RPD = 2.96			
2 4,4'-DDE									
1	100	7.854	7.852	0.002	9150094	0.009444			
2	100	9.734	9.733	0.001	4550056	0.009157			
						RPD = 3.09			
13 Dieldrin									
1	100	8.317	8.316	0.001	9563513	0.009579			
2	100	9.882	9.879	0.003	4639925	0.009271			
						RPD = 3.27			
17 Endrin									
1	100	8.777	8.776	0.001	8839045	0.009509			
2	100	10.403	10.403	0.000	4279790	0.009332			
						RPD = 1.88			
1 4,4'-DDD									
1	100	9.146	9.143	0.003	6942608	0.009282			
2	100	10.744	10.742	0.002	3184052	0.009132			
						RPD = 1.63			
15 Endosulfan II									
1	100	9.229	9.230	-0.001	8186268	0.009748			
2	100	10.776	10.773	0.003	4020422	0.009406			
						RPD = 3.57			
3 4,4'-DDT									
1	100	9.670	9.670	0.000	6603559	0.009391			
2	100	11.224	11.224	0.000	2941123	0.009496			
						RPD = 1.12			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	6439104	0.0100			
2	100	11.342	11.339	0.003	3188191	0.009862			
						RPD = 1.33			
27 Methoxychlor									
1	100	10.635	10.634	0.001	3656023	0.0103			
2	100	12.307	12.309	-0.002	1605324	0.0104			
						RPD = 0.70			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.766	10.767	-0.001	7766790	0.0100			
2	100	11.760	11.759	0.001	3765967	0.009802			
						RPD = 2.12			
19 Endrin ketone									
1	100	11.169	11.168	0.001	8825306	0.009825			
2	100	12.510	12.510	0.000	4154251	0.009664			
						RPD = 1.65			
$ 10 DCB Decachlorobiphenyl									
1	100	12.791	12.791	0.000	8711402	0.0105			
2	100	14.229	14.228	0.001	4558648	0.0106			
						RPD = 0.21			

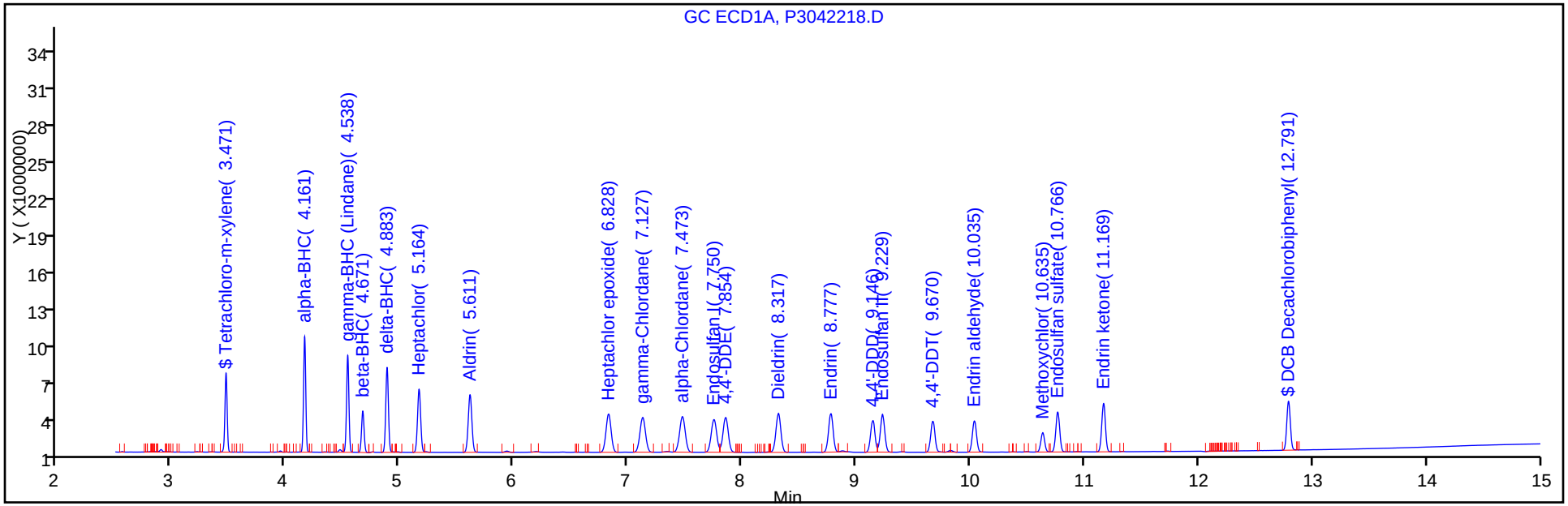
Report Date: 23-Apr-2013 12:07:11 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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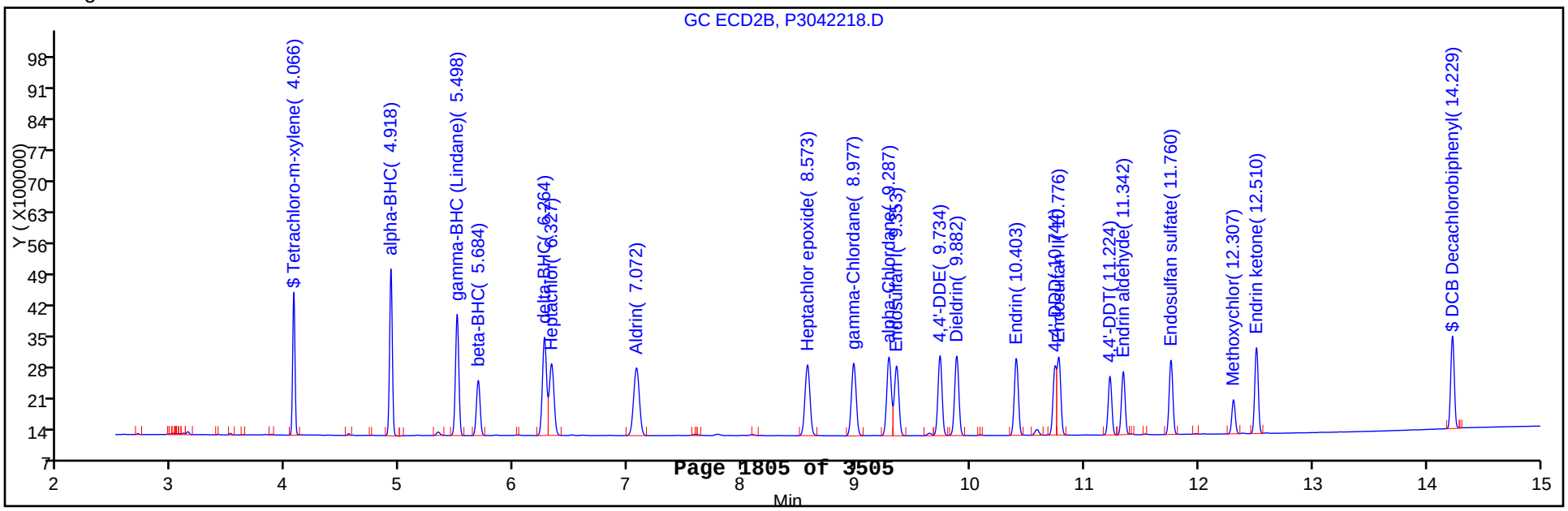
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042218.D

Injection Date:	22-Apr-2013 23:14:37	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	18
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



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Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042219.D
Lims ID: STD AB L3 Client ID:
Inject. Date: 22-Apr-2013 23:34:45 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 0
Sample ID: 240-0019145-019
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 83061 Lims Sample ID: 19
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:08:05 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 12:07:47

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	22507552	0.0255			
2	100	4.066	4.066	0.000	11993179	0.0250			
						RPD = 2.10			
5 alpha-BHC									
1	100	4.161	4.161	0.000	34806226	0.0256			
2	100	4.918	4.918	0.000	17731918	0.0248			
						RPD = 3.08			
20 gamma-BHC (Lindane)									
1	100	4.539	4.539	0.000	30790078	0.0255			
2	100	5.498	5.498	0.000	15456618	0.0247			
						RPD = 3.26			
7 beta-BHC									
1	100	4.671	4.671	0.000	13062502	0.0252			
2	100	5.684	5.684	0.000	6980988	0.0250			
						RPD = 0.42			
11 delta-BHC									
1	100	4.884	4.884	0.000	30770114	0.0251			
2	100	6.265	6.265	0.000	15926828	0.0245			
						RPD = 2.40			
22 Heptachlor									
1	100	5.165	5.165	0.000	26103194	0.0253			
2	100	6.327	6.327	0.000	11993775	0.0243			
						RPD = 4.13			
4 Aldrin									
1	100	5.611	5.611	0.000	27759252	0.0255			
2	100	7.073	7.073	0.000	14349149	0.0248			
						RPD = 2.90			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.826	6.826	0.000	25194190	0.0254			
2	100	8.571	8.571	0.000	12830487	0.0250			
						RPD = 1.58			
21 gamma-Chlordane									
1	100	7.125	7.125	0.000	24976339	0.0250			
2	100	8.977	8.977	0.000	12591887	0.0248			
						RPD = 1.02			
6 alpha-Chlordane									
1	100	7.474	7.474	0.000	25827711	0.0252			
2	100	9.288	9.288	0.000	12952104	0.0248			
						RPD = 1.84			
14 Endosulfan I									
1	100	7.751	7.751	0.000	22860503	0.0252			
2	100	9.352	9.352	0.000	11385151	0.0248			
						RPD = 1.70			
2 4,4'-DDE									
1	100	7.853	7.853	0.000	24396916	0.0252			
2	100	9.734	9.734	0.000	12320319	0.0248			
						RPD = 1.55			
13 Dieldrin									
1	100	8.315	8.315	0.000	25317137	0.0254			
2	100	9.881	9.881	0.000	12418686	0.0248			
						RPD = 2.17			
17 Endrin									
1	100	8.776	8.776	0.000	23654848	0.0254			
2	100	10.403	10.403	0.000	11387038	0.0248			
						RPD = 2.46			
1 4,4'-DDD									
1	100	9.145	9.145	0.000	18964995	0.0254			
2	100	10.744	10.744	0.000	8418967	0.0241			
						RPD = 4.89			
15 Endosulfan II									
1	100	9.229	9.229	0.000	21374562	0.0255			
2	100	10.775	10.775	0.000	10864287	0.0254			
						RPD = 0.14			
3 4,4'-DDT									
1	100	9.671	9.671	0.000	17494541	0.0249			
2	100	11.224	11.224	0.000	7617139	0.0246			
						RPD = 1.15			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	16183079	0.0251			
2	100	11.341	11.341	0.000	7980984	0.0247			
						RPD = 1.73			
27 Methoxychlor									
1	100	10.635	10.635	0.000	8923978	0.0252			
2	100	12.308	12.308	0.000	3882950	0.0252			
						RPD = 0.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.767	10.767	0.000	19713801	0.0254			
2	100	11.759	11.759	0.000	9611435	0.0250			
						RPD = 1.57			
19 Endrin ketone									
1	100	11.168	11.168	0.000	23039590	0.0256			
2	100	12.510	12.510	0.000	10773278	0.0251			
						RPD = 2.32			
$ 10 DCB Decachlorobiphenyl									
1	100	12.791	12.791	0.000	20939584	0.0253			
2	100	14.229	14.229	0.000	10905769	0.0252			
						RPD = 0.26			

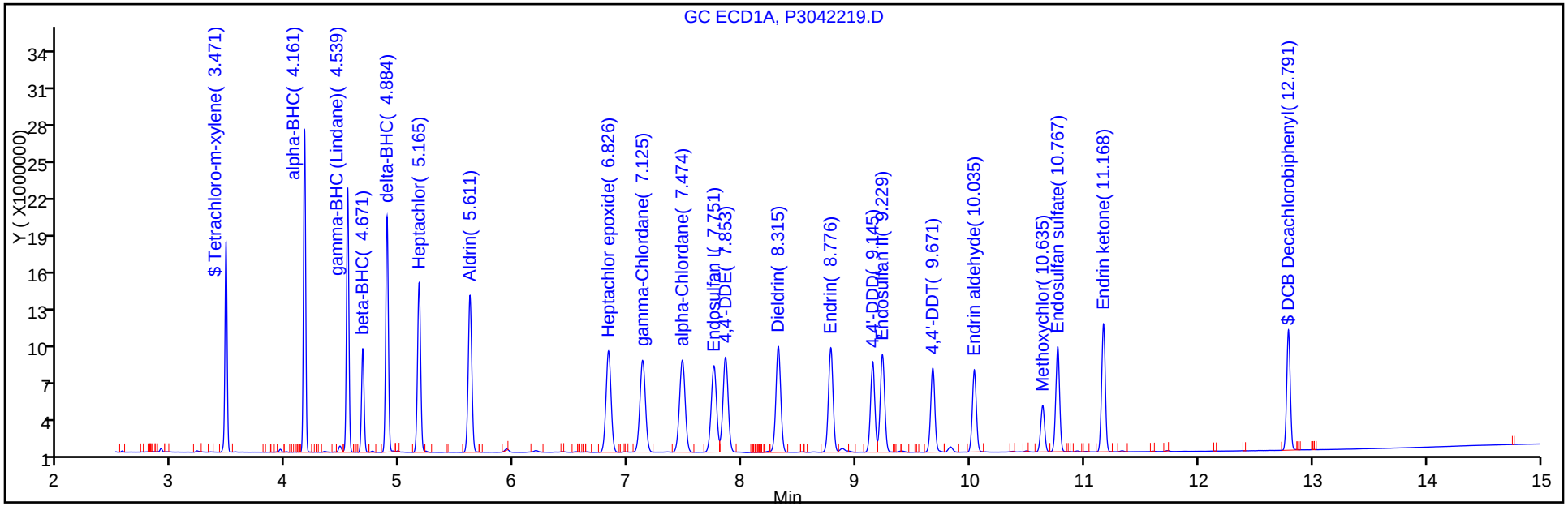
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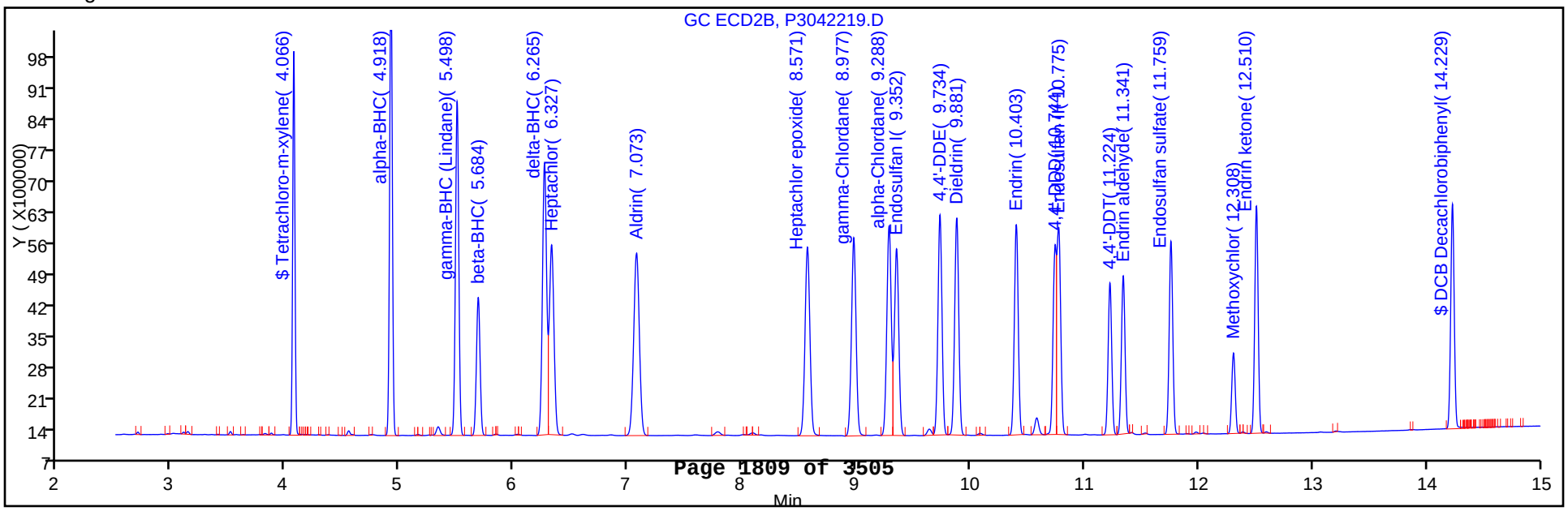
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042219.D

Injection Date:	22-Apr-2013 23:34:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	19
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



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Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042220.D
Lims ID: STD AB L4 Client ID:
Inject. Date: 22-Apr-2013 23:54:53 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0019145-020
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 83061 Lims Sample ID: 20
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:22:26 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	42974982	0.0487			
2	100	4.066	4.066	0.000	23262732	0.0485			
						RPD = 0.52			
5 alpha-BHC									
1	100	4.161	4.161	0.000	68429905	0.0503			
2	100	4.918	4.918	0.000	35842247	0.0502			
						RPD = 0.31			
20 gamma-BHC (Lindane)									
1	100	4.539	4.539	0.000	60384538	0.0500			
2	100	5.499	5.498	0.001	31011896	0.0495			
						RPD = 0.98			
7 beta-BHC									
1	100	4.671	4.671	0.000	24685479	0.0475			
2	100	5.683	5.684	-0.001	13145783	0.0472			
						RPD = 0.78			
11 delta-BHC									
1	100	4.883	4.884	-0.001	61833410	0.0505			
2	100	6.266	6.265	0.001	32213755	0.0496			
						RPD = 1.75			
22 Heptachlor									
1	100	5.165	5.165	0.000	50334816	0.0488			
2	100	6.327	6.327	0.000	23748833	0.0481			
						RPD = 1.48			
4 Aldrin									
1	100	5.611	5.611	0.000	53445348	0.0491			
2	100	7.073	7.073	0.000	28114575	0.0486			
						RPD = 1.15			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.827	6.826	0.001	48202098	0.0485			
2	100	8.573	8.571	0.002	24825144	0.0483			
						RPD = 0.46			
21 gamma-Chlordane									
1	100	7.127	7.125	0.002	48545881	0.0486			
2	100	8.978	8.977	0.001	24472411	0.0481			
						RPD = 1.03			
6 alpha-Chlordane									
1	100	7.475	7.474	0.001	49545963	0.0484			
2	100	9.287	9.288	-0.001	25083403	0.0480			
						RPD = 0.89			
14 Endosulfan I									
1	100	7.751	7.751	0.000	44081050	0.0486			
2	100	9.354	9.352	0.002	22127598	0.0482			
						RPD = 0.91			
2 4,4'-DDE									
1	100	7.853	7.853	0.000	47717426	0.0493			
2	100	9.735	9.734	0.001	24333587	0.0490			
						RPD = 0.57			
13 Dieldrin									
1	100	8.316	8.315	0.001	48832386	0.0489			
2	100	9.882	9.881	0.001	24385543	0.0487			
						RPD = 0.39			
17 Endrin									
1	100	8.776	8.776	0.000	45591532	0.0490			
2	100	10.404	10.403	0.001	22326925	0.0487			
						RPD = 0.75			
1 4,4'-DDD									
1	100	9.141	9.145	-0.004	36674371	0.0490			
2	100	10.746	10.744	0.002	17314838	0.0497			
						RPD = 1.27			
15 Endosulfan II									
1	100	9.230	9.229	0.001	40265901	0.0479			
2	100	10.776	10.775	0.001	20417302	0.0478			
						RPD = 0.38			
3 4,4'-DDT									
1	100	9.672	9.671	0.001	34319322	0.0488			
2	100	11.226	11.224	0.002	14870083	0.0480			
						RPD = 1.64			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	30932547	0.0480			
2	100	11.341	11.341	0.000	15264156	0.0472			
						RPD = 1.67			
27 Methoxychlor									
1	100	10.635	10.635	0.000	16784253	0.0475			
2	100	12.308	12.308	0.000	7300083	0.0473			
						RPD = 0.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.766	10.767	-0.001	37098567	0.0478			
2	100	11.761	11.759	0.002	18204035	0.0474			
						RPD = 0.93			
19 Endrin ketone									
1	100	11.169	11.168	0.001	43701423	0.0487			
2	100	12.511	12.510	0.001	20497619	0.0477			
						RPD = 2.01			
$ 10 DCB Decachlorobiphenyl									
1	100	12.791	12.791	0.000	38883139	0.0470			
2	100	14.228	14.229	-0.001	20002328	0.0463			
						RPD = 1.50			

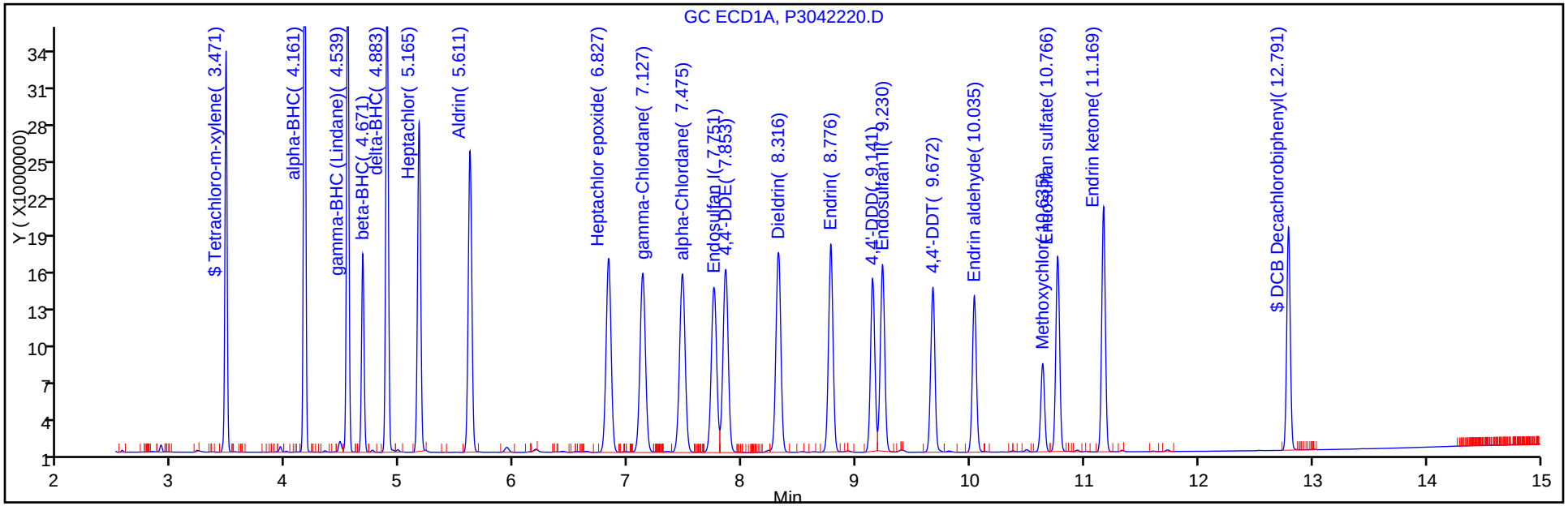
Report Date: 23-Apr-2013 12:22:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

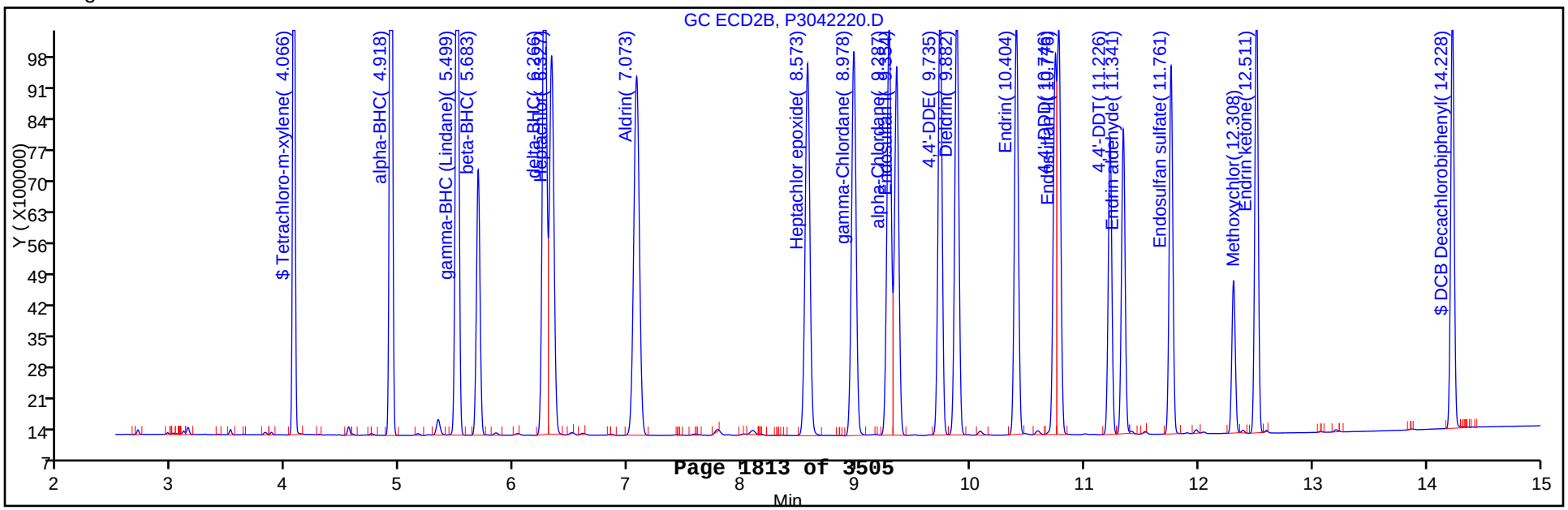
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Injection Date:	22-Apr-2013 23:54:53	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042221.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 23-Apr-2013 00:15:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0019145-021
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 83061 Lims Sample ID: 21
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:22:32 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 12:22:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	88512805	0.1003			
2	100	4.066	4.066	0.000	49518560	0.1031			
						RPD = 2.77			
5 alpha-BHC									
1	100	4.161	4.161	0.000	144817030	0.1065			
2	100	4.918	4.918	0.000	78849479	0.1104			
						RPD = 3.57			
20 gamma-BHC (Lindane)									
1	100	4.539	4.539	0.000	127995144	0.1059			
2	100	5.499	5.498	0.001	68016432	0.1085			
						RPD = 2.43			
7 beta-BHC									
1	100	4.671	4.671	0.000	51099008	0.0984			
2	100	5.683	5.684	-0.001	27425292	0.0984			
						RPD = 0.00			
11 delta-BHC									
1	100	4.885	4.884	0.001	131886841	0.1077			
2	100	6.265	6.265	0.000	71543068	0.1102			
						RPD = 2.29			
22 Heptachlor									
1	100	5.166	5.165	0.001	107782550	0.1044			
2	100	6.327	6.327	0.000	52110387	0.1054			
						RPD = 0.96			
4 Aldrin									
1	100	5.612	5.611	0.001	113798895	0.1046			
2	100	7.071	7.073	-0.002	61705292	0.1066			
						RPD = 1.88			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.827	6.826	0.001	100596454	0.1013			
2	100	8.571	8.571	0.000	53322336	0.1038			
						RPD = 2.42			
21 gamma-Chlordane									
1	100	7.126	7.125	0.001	102924364	0.1030			
2	100	8.978	8.977	0.001	53506075	0.1052			
						RPD = 2.05			
6 alpha-Chlordane									
1	100	7.475	7.474	0.001	103970109	0.1016			
2	100	9.286	9.288	-0.002	54779040	0.1048			
						RPD = 3.10			
14 Endosulfan I									
1	100	7.751	7.751	0.000	92093886	0.1016			
2	100	9.352	9.352	0.000	47796645	0.1041			
						RPD = 2.42			
2 4,4'-DDE									
1	100	7.854	7.853	0.001	101399292	0.1047			
2	100	9.733	9.734	-0.001	53463556	0.1076			
						RPD = 2.77			
13 Dieldrin									
1	100	8.316	8.315	0.001	103490539	0.1037			
2	100	9.881	9.881	0.000	53335106	0.1066			
						RPD = 2.76			
17 Endrin									
1	100	8.774	8.776	-0.002	97032196	0.1044			
2	100	10.403	10.403	0.000	48723469	0.1062			
						RPD = 1.76			
1 4,4'-DDD									
1	100	9.143	9.145	-0.002	80049335	0.1070			
2	100	10.742	10.744	-0.002	37343816	0.1071			
						RPD = 0.07			
15 Endosulfan II									
1	100	9.230	9.229	0.001	85871443	0.1023			
2	100	10.775	10.775	0.000	44953433	0.1052			
						RPD = 2.81			
3 4,4'-DDT									
1	100	9.671	9.671	0.000	74848854	0.1064			
2	100	11.225	11.224	0.001	32835601	0.1060			
						RPD = 0.40			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	64922970	0.1008			
2	100	11.341	11.341	0.000	33101947	0.1024			
						RPD = 1.60			
27 Methoxychlor									
1	100	10.633	10.635	-0.002	34962249	0.0989			
2	100	12.308	12.308	0.000	15298267	0.0992			
						RPD = 0.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.766	10.767	-0.001	77281728	0.0996			
2	100	11.760	11.759	0.001	38903327	0.1013			
						RPD = 1.62			
19 Endrin ketone									
1	100	11.168	11.168	0.000	91459882	0.1018			
2	100	12.510	12.510	0.000	44148997	0.1027			
						RPD = 0.86			
$ 10 DCB Decachlorobiphenyl									
1	100	12.790	12.791	-0.001	77435570	0.0936			
2	100	14.228	14.229	-0.001	40134402	0.0929			
						RPD = 0.75			

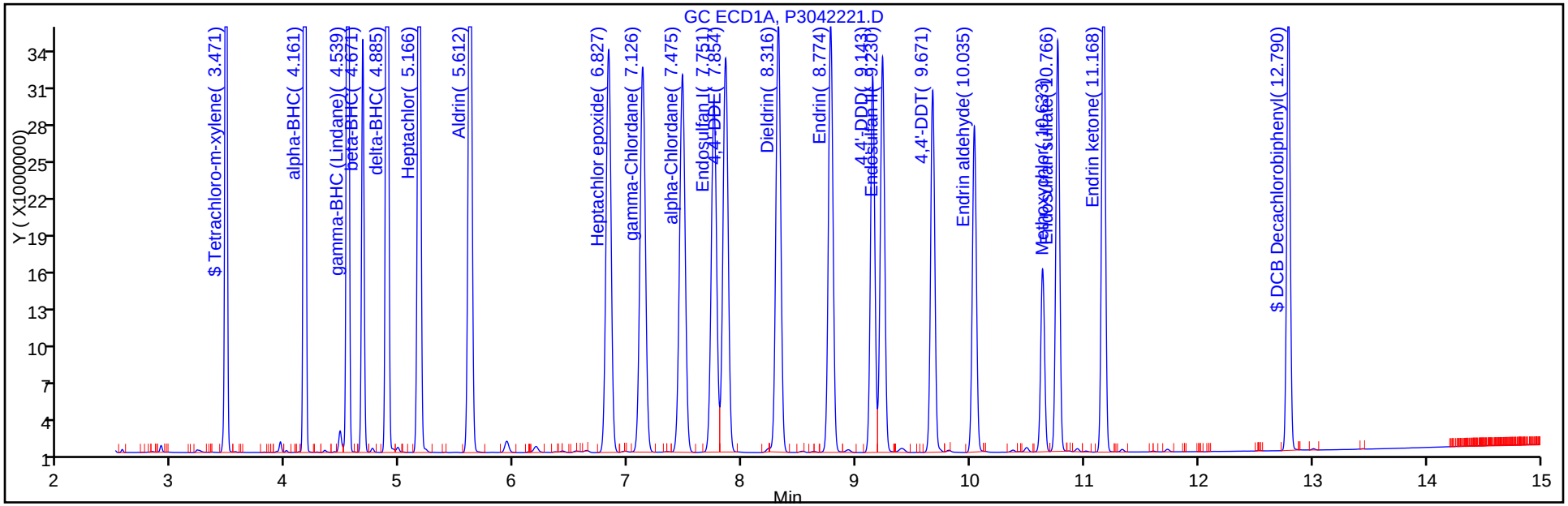
Report Date: 23-Apr-2013 12:22:33 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

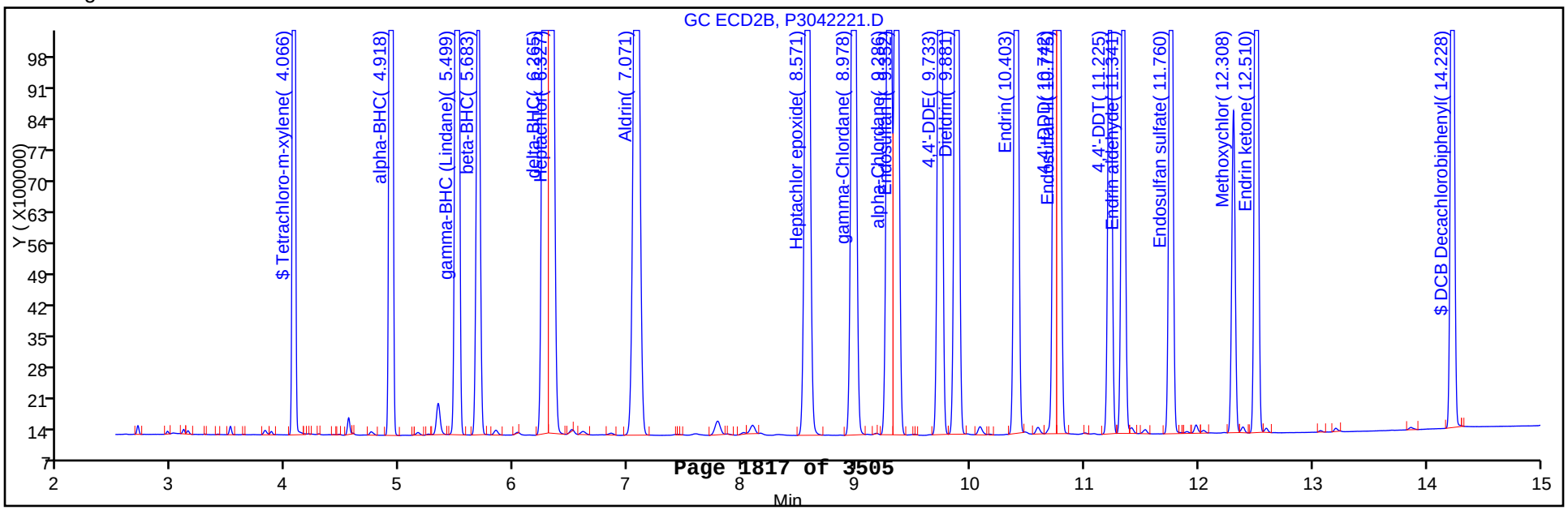
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Injection Date:	23-Apr-2013 00:15:05	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 23-Apr-2013 00:35:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0019145-022
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 83061 Lims Sample ID: 22
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:22:41 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	169920354	0.1926			
2	100	4.066	4.066	0.000	98242673	0.2046			
						RPD = 6.06			
5 alpha-BHC									
1	100	4.161	4.161	0.000	283063424	0.2083			
2	100	4.919	4.918	0.001	159768773	0.2237			
						RPD = 7.16			
20 gamma-BHC (Lindane)									
1	100	4.539	4.539	0.000	249893668	0.2068			
2	100	5.498	5.498	0.000	138063702	0.2203			
						RPD = 6.32			
7 beta-BHC									
1	100	4.670	4.671	-0.001	98988315	0.1906			
2	100	5.683	5.684	-0.001	54321784	0.1949			
						RPD = 2.23			
11 delta-BHC									
1	100	4.884	4.884	0.000	258772941	0.2114			
2	100	6.265	6.265	0.000	146042729	0.2250			
						RPD = 6.25			
22 Heptachlor									
1	100	5.165	5.165	0.000	206375469	0.2000			
2	100	6.327	6.327	0.000	104487984	0.2114			
						RPD = 5.57			
4 Aldrin									
1	100	5.612	5.611	0.001	219420009	0.2017			
2	100	7.072	7.073	-0.001	124559506	0.2151			
						RPD = 6.46			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.826	6.826	0.000	192436556	0.1938			
2	100	8.572	8.571	0.001	105721124	0.2058			
						RPD = 6.00			
21 gamma-Chlordane									
1	100	7.128	7.125	0.003	202198675	0.2024			
2	100	8.977	8.977	0.000	108264668	0.2128			
						RPD = 5.00			
6 alpha-Chlordane									
1	100	7.474	7.474	0.000	202660192	0.1981			
2	100	9.286	9.288	-0.002	109363423	0.2093			
						RPD = 5.49			
14 Endosulfan I									
1	100	7.751	7.751	0.000	177524781	0.1959			
2	100	9.353	9.352	0.001	96135060	0.2094			
						RPD = 6.67			
2 4,4'-DDE									
1	100	7.853	7.853	0.000	199044895	0.2054			
2	100	9.734	9.734	0.000	108304220	0.2180			
						RPD = 5.91			
13 Dieldrin									
1	100	8.315	8.315	0.000	199978947	0.2003			
2	100	9.880	9.881	-0.001	107160576	0.2141			
						RPD = 6.66			
17 Endrin									
1	100	8.775	8.776	-0.001	186140441	0.2003			
2	100	10.403	10.403	0.000	97517530	0.2126			
						RPD = 6.00			
1 4,4'-DDD									
1	100	9.142	9.145	-0.003	158094963	0.2114			
2	100	10.744	10.744	0.000	80904507	0.2320			
						RPD = 9.32			
15 Endosulfan II									
1	100	9.229	9.229	0.000	165158863	0.1967			
2	100	10.775	10.775	0.000	85075224	0.1990			
						RPD = 1.20			
3 4,4'-DDT									
1	100	9.670	9.671	-0.001	147535152	0.2098			
2	100	11.225	11.224	0.001	66486918	0.2147			
						RPD = 2.29			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	124507044	0.1933			
2	100	11.341	11.341	0.000	65812029	0.2036			
						RPD = 5.21			
27 Methoxychlor									
1	100	10.635	10.635	0.000	65686508	0.1857			
2	100	12.309	12.308	0.001	29459270	0.1910			
						RPD = 2.82			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.767	10.767	0.000	148485186	0.1914			
2	100	11.760	11.759	0.001	77746459	0.2023			
						RPD = 5.56			
19 Endrin ketone									
1	100	11.170	11.168	0.002	175224043	0.1951			
2	100	12.510	12.510	0.000	88668360	0.2063			
						RPD = 5.58			
$ 10 DCB Decachlorobiphenyl									
1	100	12.790	12.791	-0.001	147579301	0.1784			
2	100	14.229	14.229	0.000	78011218	0.1806			
						RPD = 1.22			

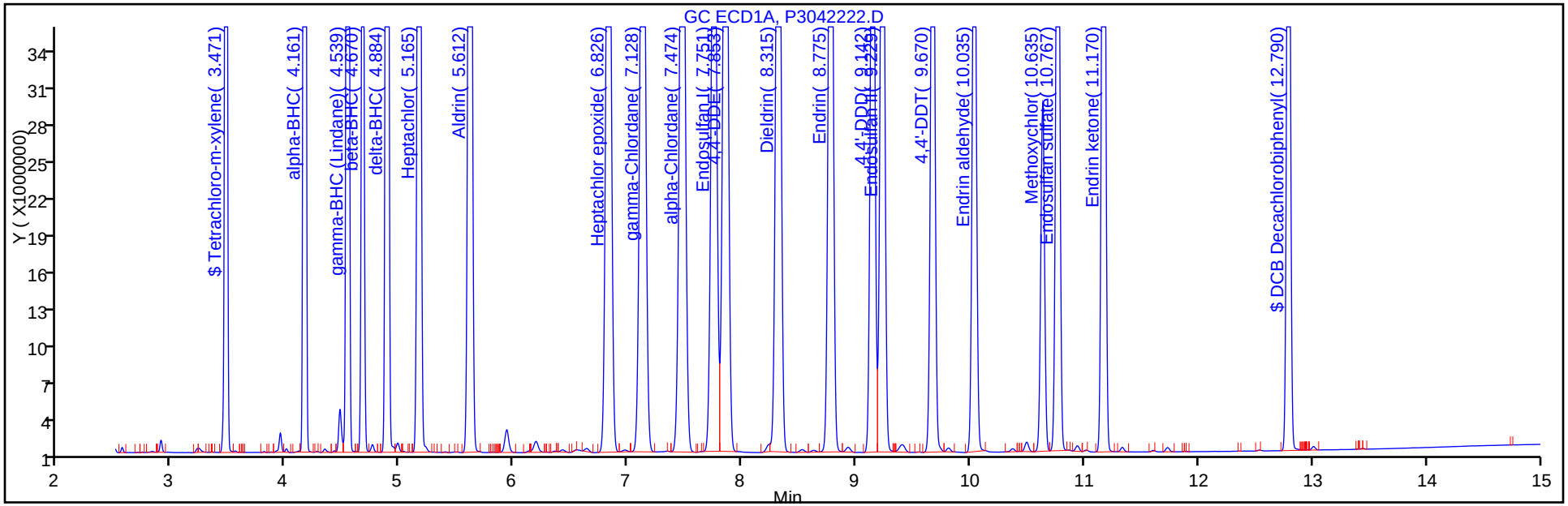
Report Date: 23-Apr-2013 12:22:43 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

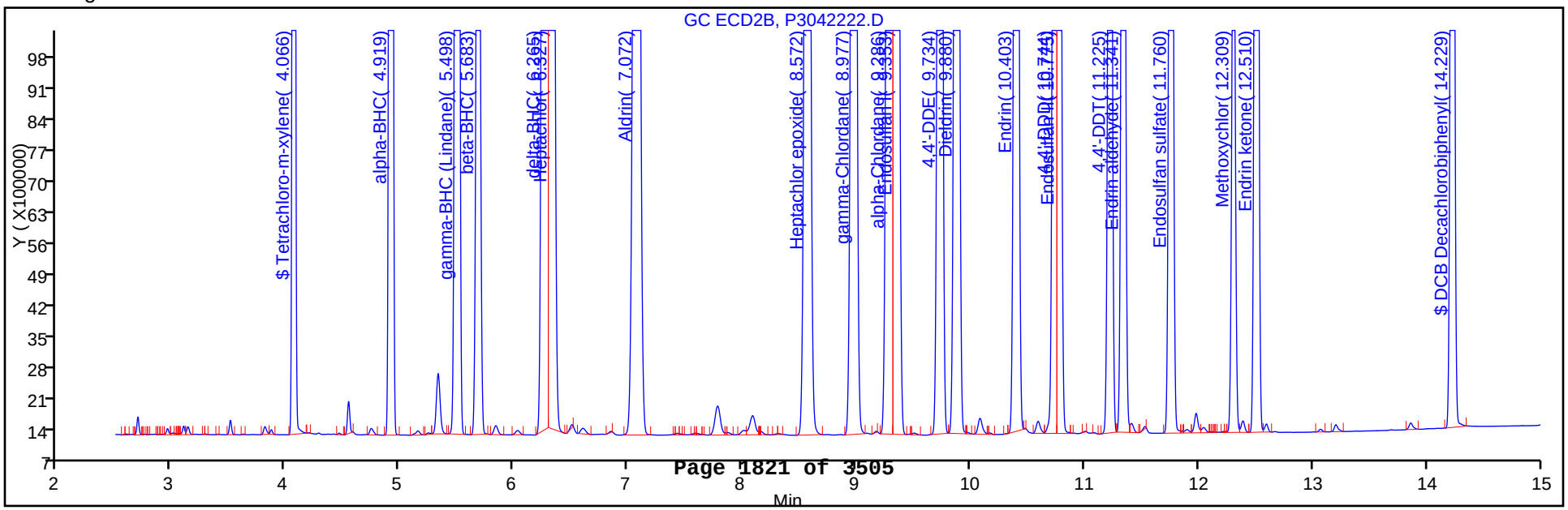
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Injection Date:	23-Apr-2013 00:35:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	22
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 22:54 Calibration End Date: 04/23/2013 00:35 Calibration ID: 14697

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-83061/17	P3042217.D
Level 2	STD 240-83061/18	P3042218.D
Level 3	STD 240-83061/19	P3042219.D
Level 4	STD 240-83061/20	P3042220.D
Level 5	STD 240-83061/21	P3042221.D
Level 6	STD 240-83061/22	P3042222.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.917	4.918	4.918	4.918	4.918	4.919					4.888 - 4.948	4.918
gamma-BHC (Lindane)	5.498	5.498	5.498	5.499	5.499	5.498					5.467 - 5.527	5.498
beta-BHC	5.683	5.684	5.684	5.683	5.683	5.683					5.652 - 5.712	5.683
delta-BHC	6.265	6.264	6.265	6.266	6.265	6.265					6.233 - 6.293	6.265
Heptachlor	6.326	6.327	6.327	6.327	6.327	6.327					6.295 - 6.355	6.327
Aldrin	7.071	7.072	7.073	7.073	7.071	7.072					7.039 - 7.099	7.072
Heptachlor epoxide	8.572	8.573	8.571	8.573	8.571	8.572					8.539 - 8.599	8.572
gamma-Chlordane	8.978	8.977	8.977	8.978	8.978	8.977					8.947 - 9.007	8.978
alpha-Chlordane	9.287	9.287	9.288	9.287	9.286	9.286					9.255 - 9.315	9.287
Endosulfan I	9.352	9.353	9.352	9.354	9.352	9.353					9.321 - 9.381	9.353
4,4'-DDE	9.733	9.734	9.734	9.735	9.733	9.734					9.703 - 9.763	9.734
Dieldrin	9.880	9.882	9.881	9.882	9.881	9.880					9.849 - 9.909	9.881
Endrin	10.402	10.403	10.403	10.404	10.403	10.403					10.373 - 10.433	10.403
4,4'-DDD	10.742	10.744	10.744	10.746	10.742	10.744					10.712 - 10.772	10.744
Endosulfan II	10.773	10.776	10.775	10.776	10.775	10.775					10.743 - 10.803	10.775
4,4'-DDT	11.224	11.224	11.224	11.226	11.225	11.225					11.194 - 11.254	11.225
Endrin aldehyde	11.341	11.342	11.341	11.341	11.341	11.341					11.309 - 11.369	11.341
Endosulfan sulfate	11.760	11.760	11.759	11.761	11.760	11.760					11.729 - 11.789	11.760
Methoxychlor	12.307	12.307	12.308	12.308	12.308	12.309					12.279 - 12.339	12.308
Endrin ketone	12.508	12.510	12.510	12.511	12.510	12.510					12.480 - 12.540	12.510
Tetrachloro-m-xylene	4.066	4.066	4.066	4.066	4.066	4.066					4.035 - 4.095	4.066
DCB Decachlorobiphenyl	14.229	14.229	14.229	14.228	14.228	14.229					14.198 - 14.258	14.229

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 22:54 Calibration End Date: 04/23/2013 00:35 Calibration ID: 14697

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-83061/17	P3042217.D
Level 2	STD 240-83061/18	P3042218.D
Level 3	STD 240-83061/19	P3042219.D
Level 4	STD 240-83061/20	P3042220.D
Level 5	STD 240-83061/21	P3042221.D
Level 6	STD 240-83061/22	P3042222.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	637280400 788494790	634015500 798843865	709276720	716844940	Ave		714126036				9.9		20.0			
gamma-BHC (Lindane)	586760600 680164320	565320800 690318510	618264720	620237920	Ave		626844478				7.9		20.0			
beta-BHC	304217200 274252920	279876900 271608920	279239520	262915660	Ave		278685187				5.0		20.0			
delta-BHC	594181400 715430680	573395900 730213645	637073120	644275100	Ave		649094974				9.7		20.0			
Heptachlor	499990800 521103870	466974200 522439920	479751000	474976660	Ave		494206075				4.9		20.0			
Aldrin	556446400 617052920	541676900 622797530	573965960	562291500	Ave		579038535				5.8		20.0			
Heptachlor epoxide	521381600 533223360	489080900 528605620	513219480	496502880	Ave		513668973				3.4		20.0			
gamma-Chlordane	505580400 535060750	477311300 541323340	503675480	489448220	Ave		508733248				4.9		20.0			
alpha-Chlordane	525003000 547790400	496379600 546817115	518084160	501668060	Ave		522623723				4.2		20.0			
Endosulfan I	460831000 477966450	437549300 480675300	455406040	442551960	Ave		459163342				3.9		20.0			
4,4'-DDE	470768600 534635560	455005600 541521100	492812760	486671740	Ave		496902560				7.0		20.0			
Dieldrin	485243800 533351060	463992500 535802880	496747440	487710860	Ave		500474757				5.7		20.0			
Endrin	446839200 487234690	427979000 487587650	455481520	446538500	Ave		458610093				5.2		20.0			
4,4'-DDD	312620200 373438160	318405200 404522535	336758680	346296760	Ave		348673589				10.0		20.0			
Endosulfan II	444800000 449534330	402042200 425376120	434571480	408346040	Ave		427445028				4.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 22:54 Calibration End Date: 04/23/2013 00:35 Calibration ID: 14697

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	301307000 328356010	294112300 332434590	304685560	297401660	Ave		309716187				5.3		20.0			
Endrin aldehyde	336210600 331019470	318819100 329060145	319239360	305283120	Ave		323271966				3.4		20.0			
Endosulfan sulfate	402409600 389033270	376596700 388732295	384457400	364080700	Ave		384218328				3.4		20.0			
Methoxychlor	163104000 152982670	160532400 147296350	155318000	146001660	Ave		154205847				4.5		20.0			
Endrin ketone	438042400 441489970	415425100 443341800	430931120	409952380	Ave		429863795				3.3		20.0			
Tetrachloro-m-xylene	489916200 495185600	459378300 491213365	479727160	465254640	Ave		480112544				3.1		20.0			
DCB Decachlorobiphenyl	508105600 401344020	455864800 390056090	436230760	400046560	Ave		431941305				10.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 22:54 Calibration End Date: 04/23/2013 00:35 Calibration ID: 14697

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-83061/17	P3042217.D
Level 2	STD 240-83061/18	P3042218.D
Level 3	STD 240-83061/19	P3042219.D
Level 4	STD 240-83061/20	P3042220.D
Level 5	STD 240-83061/21	P3042221.D
Level 6	STD 240-83061/22	P3042222.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	3186402 159768773	6340155	17731918	35842247	78849479	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	2933803 138063702	5653208	15456618	31011896	68016432	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	1521086 54321784	2798769	6980988	13145783	27425292	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	2970907 146042729	5733959	15926828	32213755	71543068	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	2499954 104487984	4669742	11993775	23748833	52110387	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	2782232 124559506	5416769	14349149	28114575	61705292	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	2606908 105721124	4890809	12830487	24825144	53322336	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	2527902 108264668	4773113	12591887	24472411	53506075	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	2625015 109363423	4963796	12952104	25083403	54779040	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	2304155 96135060	4375493	11385151	22127598	47796645	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	2353843 108304220	4550056	12320319	24333587	53463556	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	2426219 107160576	4639925	12418686	24385543	53335106	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	2234196 97517530	4279790	11387038	22326925	48723469	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	1563101 80904507	3184052	8418967	17314838	37343816	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	2224000 85075224	4020422	10864287	20417302	44953433	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	1506535 66486918	2941123	7617139	14870083	32835601	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-22663-1 Analy Batch No.: 83061

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2013 22:54 Calibration End Date: 04/23/2013 00:35 Calibration ID: 14697

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	1681053 65812029	3188191	7980984	15264156	33101947	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	2012048 77746459	3765967	9611435	18204035	38903327	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	815520 29459270	1605324	3882950	7300083	15298267	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	2190212 88668360	4154251	10773278	20497619	44148997	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	2449581 98242673	4593783	11993179	23262732	49518560	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	2540528 78011218	4558648	10905769	20002328	40134402	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042217.D		
Lims ID:	STD AB L1	Client ID:	
Inject. Date:	22-Apr-2013 22:54:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0019145-017		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	83061	Lims Sample ID:	17
Sublist:	chrom-PEST3*sub7		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m		
Last Update:	23-Apr-2013 12:07:08	Calib Date:	23-Apr-2013 00:35:13
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		
First Level Reviewer: shockr		Date:	23-Apr-2013 09:19:27

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	4653904	0.005275			
2	100	4.066	4.065	0.001	2449581	0.005102			
						RPD = 3.32			
5 alpha-BHC									
1	100	4.160	4.160	0.000	6375570	0.004691			
2	100	4.917	4.918	-0.001	3186402	0.004462			
						RPD = 4.99			
20 gamma-BHC (Lindane)									
1	100	4.538	4.538	0.000	5779506	0.004782			
2	100	5.498	5.497	0.001	2933803	0.004680			
						RPD = 2.15			
7 beta-BHC									
1	100	4.670	4.671	-0.001	2844894	0.005479			
2	100	5.683	5.682	0.001	1521086	0.005458			
						RPD = 0.38			
11 delta-BHC									
1	100	4.883	4.883	0.000	5704985	0.004660			
2	100	6.265	6.263	0.002	2970907	0.004577			
						RPD = 1.79			
22 Heptachlor									
1	100	5.164	5.165	-0.001	5209876	0.005048			
2	100	6.326	6.325	0.001	2499954	0.005059			
						RPD = 0.20			
4 Aldrin									
1	100	5.611	5.611	0.000	5368315	0.004934			
2	100	7.071	7.069	0.002	2782232	0.004805			
						RPD = 2.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.825	6.826	-0.001	5206060	0.005244			
2	100	8.572	8.569	0.003	2606908	0.005075			
						RPD = 3.27			
21 gamma-Chlordane									
1	100	7.123	7.126	-0.003	5128726	0.005135			
2	100	8.978	8.977	0.001	2527902	0.004969			
						RPD = 3.28			
6 alpha-Chlordane									M
1	100	7.475	7.474	0.001	5312274	0.005192			M
2	100	9.287	9.285	0.002	2625015	0.005023			
						RPD = 3.31			
14 Endosulfan I									
1	100	7.751	7.751	0.000	4721232	0.005209			
2	100	9.352	9.351	0.001	2304155	0.005018			
						RPD = 3.73			
2 4,4'-DDE									
1	100	7.854	7.852	0.002	4793632	0.004948			
2	100	9.733	9.733	0.000	2353843	0.004737			
						RPD = 4.35			
13 Dieldrin									
1	100	8.314	8.316	-0.002	5047788	0.005056			
2	100	9.880	9.879	0.001	2426219	0.004848			
						RPD = 4.21			
17 Endrin									
1	100	8.773	8.776	-0.003	4670661	0.005025			
2	100	10.402	10.403	-0.001	2234196	0.004872			
						RPD = 3.10			
1 4,4'-DDD									
1	100	9.143	9.143	0.000	3551931	0.004749			
2	100	10.742	10.742	0.000	1563101	0.004483			
						RPD = 5.76			
15 Endosulfan II									
1	100	9.229	9.230	-0.001	4377081	0.005212			
2	100	10.773	10.773	0.000	2224000	0.005203			
						RPD = 0.17			
3 4,4'-DDT									
1	100	9.669	9.670	-0.001	3432457	0.004881			
2	100	11.224	11.224	0.000	1506535	0.004864			
						RPD = 0.35			
18 Endrin aldehyde									
1	100	10.033	10.035	-0.002	3420136	0.005308			
2	100	11.341	11.339	0.002	1681053	0.005200			
						RPD = 2.06			
27 Methoxychlor									
1	100	10.635	10.634	0.001	1928438	0.005453			
2	100	12.307	12.309	-0.002	815520	0.005289			
						RPD = 3.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.767	10.767	0.000	4160413	0.005363			
2	100	11.760	11.759	0.001	2012048	0.005237			
						RPD = 2.38			
19 Endrin ketone									
1	100	11.168	11.168	0.000	4602808	0.005124			
2	100	12.508	12.510	-0.002	2190212	0.005095			
						RPD = 0.57			
$ 10 DCB Decachlorobiphenyl									
1	100	12.790	12.791	-0.001	4821524	0.005829			
2	100	14.229	14.228	0.001	2540528	0.005882			
						RPD = 0.90			

QC Flag Legend

Review Flags
M - Manually Integrated

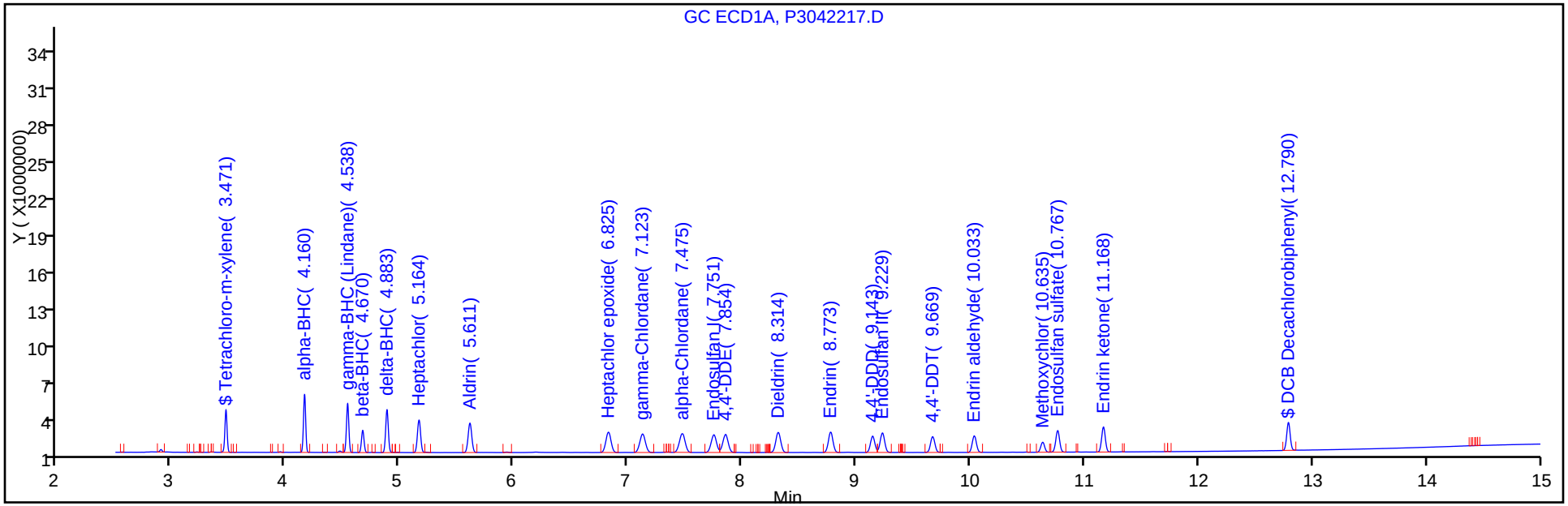
Report Date: 23-Apr-2013 12:07:09 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

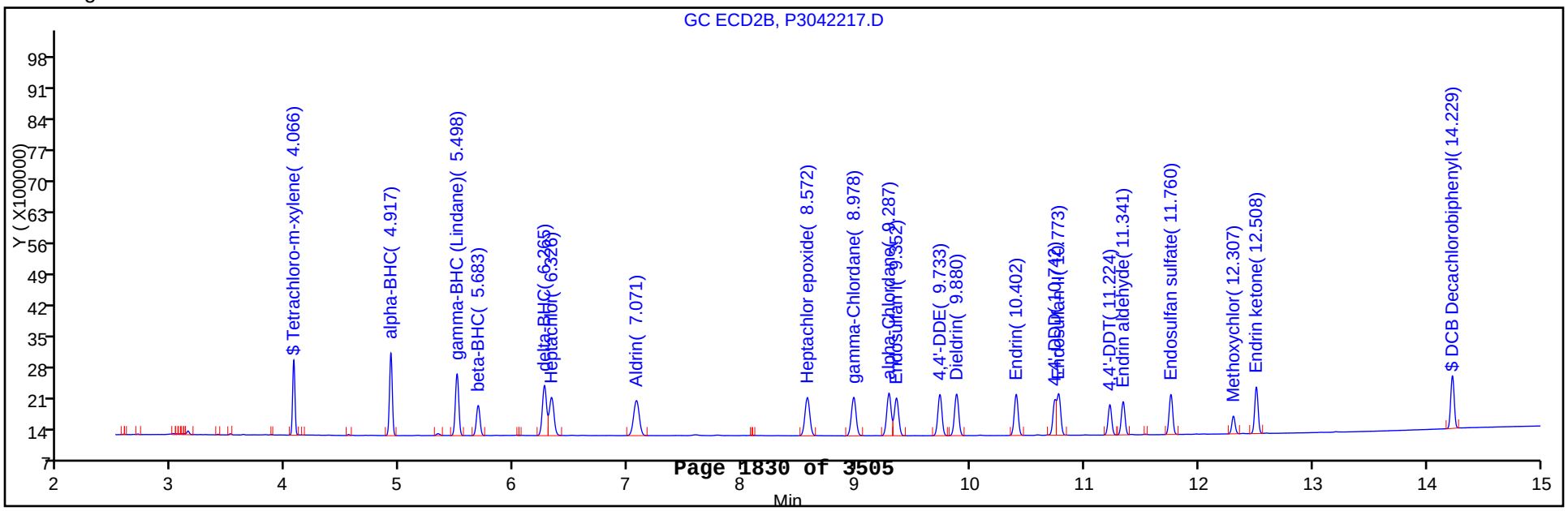
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042217.D

Injection Date:	22-Apr-2013 22:54:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	17
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042218.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 22-Apr-2013 23:14:37 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0019145-018
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 83061 Lims Sample ID: 18
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:07:10 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	8686574	0.009845			
2	100	4.066	4.065	0.001	4593783	0.009568			
						RPD = 2.85			
5 alpha-BHC									
1	100	4.161	4.160	0.001	12560091	0.009241			
2	100	4.918	4.918	0.000	6340155	0.008878			
						RPD = 4.00			
20 gamma-BHC (Lindane)									
1	100	4.538	4.538	0.000	11270098	0.009325			
2	100	5.498	5.497	0.001	5653208	0.009019			
						RPD = 3.34			
7 beta-BHC									
1	100	4.671	4.671	0.000	5244883	0.0101			
2	100	5.684	5.682	0.002	2798769	0.0100			
						RPD = 0.57			
11 delta-BHC									
1	100	4.883	4.883	0.000	11245150	0.009185			
2	100	6.264	6.263	0.001	5733959	0.008834			
						RPD = 3.90			
22 Heptachlor									
1	100	5.164	5.165	-0.001	9895821	0.009589			
2	100	6.327	6.325	0.002	4669742	0.009449			
						RPD = 1.47			
4 Aldrin									
1	100	5.611	5.611	0.000	10407086	0.009564			
2	100	7.072	7.069	0.003	5416769	0.009355			
						RPD = 2.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.828	6.826	0.002	9758966	0.009829			
2	100	8.573	8.569	0.004	4890809	0.009521			
						RPD = 3.18			
21 gamma-Chlordane									
1	100	7.127	7.126	0.001	9572354	0.009583			
2	100	8.977	8.977	0.000	4773113	0.009382			
						RPD = 2.12			
6 alpha-Chlordane									
1	100	7.473	7.474	-0.001	9996464	0.009770			
2	100	9.287	9.285	0.002	4963796	0.009498			
						RPD = 2.82			
14 Endosulfan I									
1	100	7.750	7.751	-0.001	8896865	0.009815			
2	100	9.353	9.351	0.002	4375493	0.009529			
						RPD = 2.96			
2 4,4'-DDE									
1	100	7.854	7.852	0.002	9150094	0.009444			
2	100	9.734	9.733	0.001	4550056	0.009157			
						RPD = 3.09			
13 Dieldrin									
1	100	8.317	8.316	0.001	9563513	0.009579			
2	100	9.882	9.879	0.003	4639925	0.009271			
						RPD = 3.27			
17 Endrin									
1	100	8.777	8.776	0.001	8839045	0.009509			
2	100	10.403	10.403	0.000	4279790	0.009332			
						RPD = 1.88			
1 4,4'-DDD									
1	100	9.146	9.143	0.003	6942608	0.009282			
2	100	10.744	10.742	0.002	3184052	0.009132			
						RPD = 1.63			
15 Endosulfan II									
1	100	9.229	9.230	-0.001	8186268	0.009748			
2	100	10.776	10.773	0.003	4020422	0.009406			
						RPD = 3.57			
3 4,4'-DDT									
1	100	9.670	9.670	0.000	6603559	0.009391			
2	100	11.224	11.224	0.000	2941123	0.009496			
						RPD = 1.12			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	6439104	0.0100			
2	100	11.342	11.339	0.003	3188191	0.009862			
						RPD = 1.33			
27 Methoxychlor									
1	100	10.635	10.634	0.001	3656023	0.0103			
2	100	12.307	12.309	-0.002	1605324	0.0104			
						RPD = 0.70			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.766	10.767	-0.001	7766790	0.0100			
2	100	11.760	11.759	0.001	3765967	0.009802			
						RPD = 2.12			
19 Endrin ketone									
1	100	11.169	11.168	0.001	8825306	0.009825			
2	100	12.510	12.510	0.000	4154251	0.009664			
						RPD = 1.65			
$ 10 DCB Decachlorobiphenyl									
1	100	12.791	12.791	0.000	8711402	0.0105			
2	100	14.229	14.228	0.001	4558648	0.0106			
						RPD = 0.21			

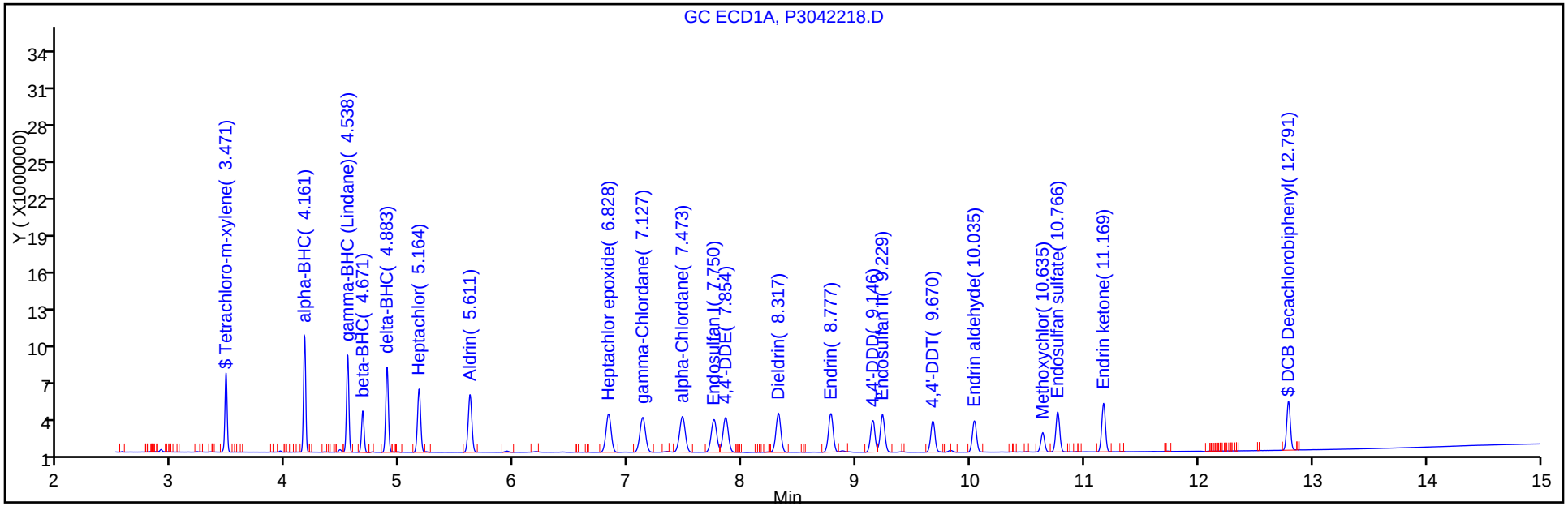
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TestAmerica Canton

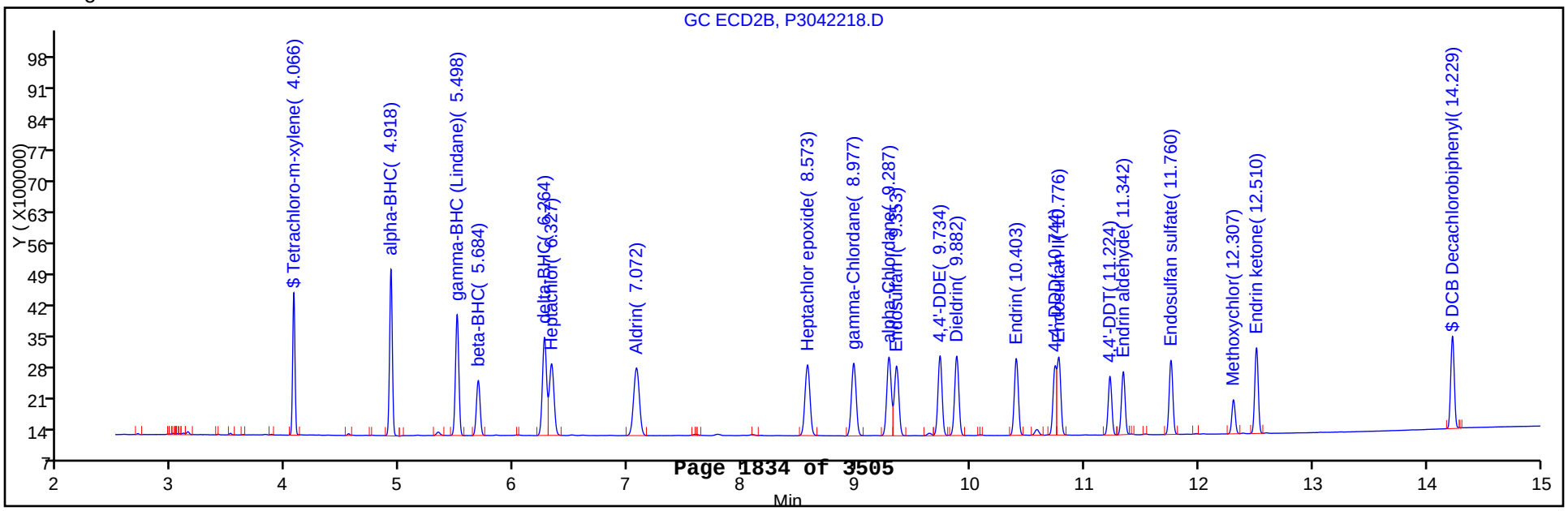
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Injection Date:	22-Apr-2013 23:14:37	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	18
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042219.D
Lims ID: STD AB L3 Client ID:
Inject. Date: 22-Apr-2013 23:34:45 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 0
Sample ID: 240-0019145-019
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 83061 Lims Sample ID: 19
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:08:05 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 12:07:47

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	22507552	0.0255			
2	100	4.066	4.066	0.000	11993179	0.0250			
						RPD = 2.10			
5 alpha-BHC									
1	100	4.161	4.161	0.000	34806226	0.0256			
2	100	4.918	4.918	0.000	17731918	0.0248			
						RPD = 3.08			
20 gamma-BHC (Lindane)									
1	100	4.539	4.539	0.000	30790078	0.0255			
2	100	5.498	5.498	0.000	15456618	0.0247			
						RPD = 3.26			
7 beta-BHC									
1	100	4.671	4.671	0.000	13062502	0.0252			
2	100	5.684	5.684	0.000	6980988	0.0250			
						RPD = 0.42			
11 delta-BHC									
1	100	4.884	4.884	0.000	30770114	0.0251			
2	100	6.265	6.265	0.000	15926828	0.0245			
						RPD = 2.40			
22 Heptachlor									
1	100	5.165	5.165	0.000	26103194	0.0253			
2	100	6.327	6.327	0.000	11993775	0.0243			
						RPD = 4.13			
4 Aldrin									
1	100	5.611	5.611	0.000	27759252	0.0255			
2	100	7.073	7.073	0.000	14349149	0.0248			
						RPD = 2.90			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.826	6.826	0.000	25194190	0.0254			
2	100	8.571	8.571	0.000	12830487	0.0250			
						RPD = 1.58			
21 gamma-Chlordane									
1	100	7.125	7.125	0.000	24976339	0.0250			
2	100	8.977	8.977	0.000	12591887	0.0248			
						RPD = 1.02			
6 alpha-Chlordane									
1	100	7.474	7.474	0.000	25827711	0.0252			
2	100	9.288	9.288	0.000	12952104	0.0248			
						RPD = 1.84			
14 Endosulfan I									
1	100	7.751	7.751	0.000	22860503	0.0252			
2	100	9.352	9.352	0.000	11385151	0.0248			
						RPD = 1.70			
2 4,4'-DDE									
1	100	7.853	7.853	0.000	24396916	0.0252			
2	100	9.734	9.734	0.000	12320319	0.0248			
						RPD = 1.55			
13 Dieldrin									
1	100	8.315	8.315	0.000	25317137	0.0254			
2	100	9.881	9.881	0.000	12418686	0.0248			
						RPD = 2.17			
17 Endrin									
1	100	8.776	8.776	0.000	23654848	0.0254			
2	100	10.403	10.403	0.000	11387038	0.0248			
						RPD = 2.46			
1 4,4'-DDD									
1	100	9.145	9.145	0.000	18964995	0.0254			
2	100	10.744	10.744	0.000	8418967	0.0241			
						RPD = 4.89			
15 Endosulfan II									
1	100	9.229	9.229	0.000	21374562	0.0255			
2	100	10.775	10.775	0.000	10864287	0.0254			
						RPD = 0.14			
3 4,4'-DDT									
1	100	9.671	9.671	0.000	17494541	0.0249			
2	100	11.224	11.224	0.000	7617139	0.0246			
						RPD = 1.15			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	16183079	0.0251			
2	100	11.341	11.341	0.000	7980984	0.0247			
						RPD = 1.73			
27 Methoxychlor									
1	100	10.635	10.635	0.000	8923978	0.0252			
2	100	12.308	12.308	0.000	3882950	0.0252			
						RPD = 0.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.767	10.767	0.000	19713801	0.0254			
2	100	11.759	11.759	0.000	9611435	0.0250			
						RPD = 1.57			
19 Endrin ketone									
1	100	11.168	11.168	0.000	23039590	0.0256			
2	100	12.510	12.510	0.000	10773278	0.0251			
						RPD = 2.32			
$ 10 DCB Decachlorobiphenyl									
1	100	12.791	12.791	0.000	20939584	0.0253			
2	100	14.229	14.229	0.000	10905769	0.0252			
						RPD = 0.26			

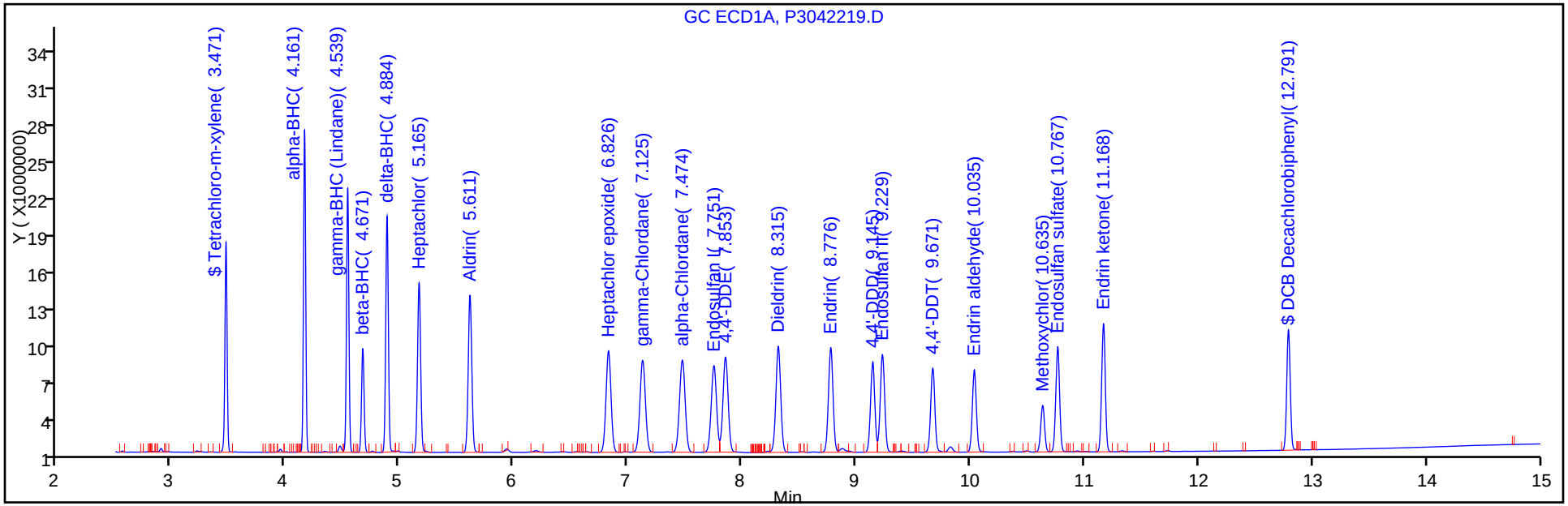
Report Date: 23-Apr-2013 12:08:06 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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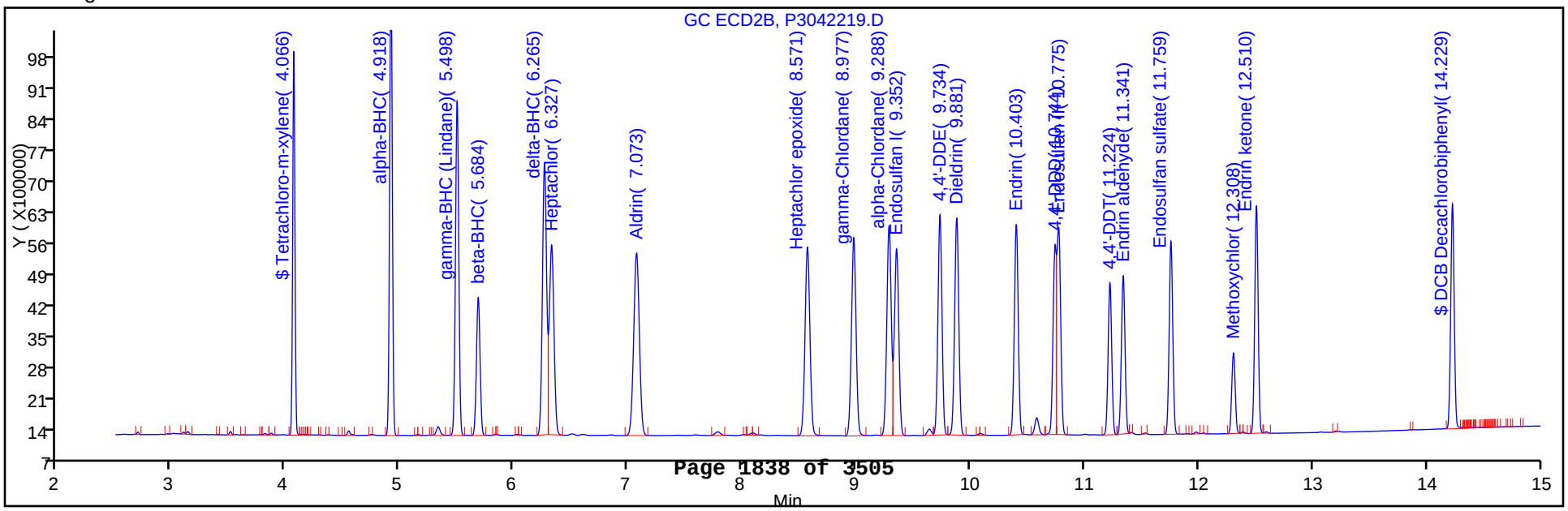
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042219.D

Injection Date:	22-Apr-2013 23:34:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	19
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042220.D
Lims ID: STD AB L4 Client ID:
Inject. Date: 22-Apr-2013 23:54:53 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0019145-020
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 83061 Lims Sample ID: 20
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:22:26 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	42974982	0.0487			
2	100	4.066	4.066	0.000	23262732	0.0485			
						RPD = 0.52			
5 alpha-BHC									
1	100	4.161	4.161	0.000	68429905	0.0503			
2	100	4.918	4.918	0.000	35842247	0.0502			
						RPD = 0.31			
20 gamma-BHC (Lindane)									
1	100	4.539	4.539	0.000	60384538	0.0500			
2	100	5.499	5.498	0.001	31011896	0.0495			
						RPD = 0.98			
7 beta-BHC									
1	100	4.671	4.671	0.000	24685479	0.0475			
2	100	5.683	5.684	-0.001	13145783	0.0472			
						RPD = 0.78			
11 delta-BHC									
1	100	4.883	4.884	-0.001	61833410	0.0505			
2	100	6.266	6.265	0.001	32213755	0.0496			
						RPD = 1.75			
22 Heptachlor									
1	100	5.165	5.165	0.000	50334816	0.0488			
2	100	6.327	6.327	0.000	23748833	0.0481			
						RPD = 1.48			
4 Aldrin									
1	100	5.611	5.611	0.000	53445348	0.0491			
2	100	7.073	7.073	0.000	28114575	0.0486			
						RPD = 1.15			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.827	6.826	0.001	48202098	0.0485			
2	100	8.573	8.571	0.002	24825144	0.0483			
						RPD = 0.46			
21 gamma-Chlordane									
1	100	7.127	7.125	0.002	48545881	0.0486			
2	100	8.978	8.977	0.001	24472411	0.0481			
						RPD = 1.03			
6 alpha-Chlordane									
1	100	7.475	7.474	0.001	49545963	0.0484			
2	100	9.287	9.288	-0.001	25083403	0.0480			
						RPD = 0.89			
14 Endosulfan I									
1	100	7.751	7.751	0.000	44081050	0.0486			
2	100	9.354	9.352	0.002	22127598	0.0482			
						RPD = 0.91			
2 4,4'-DDE									
1	100	7.853	7.853	0.000	47717426	0.0493			
2	100	9.735	9.734	0.001	24333587	0.0490			
						RPD = 0.57			
13 Dieldrin									
1	100	8.316	8.315	0.001	48832386	0.0489			
2	100	9.882	9.881	0.001	24385543	0.0487			
						RPD = 0.39			
17 Endrin									
1	100	8.776	8.776	0.000	45591532	0.0490			
2	100	10.404	10.403	0.001	22326925	0.0487			
						RPD = 0.75			
1 4,4'-DDD									
1	100	9.141	9.145	-0.004	36674371	0.0490			
2	100	10.746	10.744	0.002	17314838	0.0497			
						RPD = 1.27			
15 Endosulfan II									
1	100	9.230	9.229	0.001	40265901	0.0479			
2	100	10.776	10.775	0.001	20417302	0.0478			
						RPD = 0.38			
3 4,4'-DDT									
1	100	9.672	9.671	0.001	34319322	0.0488			
2	100	11.226	11.224	0.002	14870083	0.0480			
						RPD = 1.64			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	30932547	0.0480			
2	100	11.341	11.341	0.000	15264156	0.0472			
						RPD = 1.67			
27 Methoxychlor									
1	100	10.635	10.635	0.000	16784253	0.0475			
2	100	12.308	12.308	0.000	7300083	0.0473			
						RPD = 0.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.766	10.767	-0.001	37098567	0.0478			
2	100	11.761	11.759	0.002	18204035	0.0474			
						RPD = 0.93			
19 Endrin ketone									
1	100	11.169	11.168	0.001	43701423	0.0487			
2	100	12.511	12.510	0.001	20497619	0.0477			
						RPD = 2.01			
$ 10 DCB Decachlorobiphenyl									
1	100	12.791	12.791	0.000	38883139	0.0470			
2	100	14.228	14.229	-0.001	20002328	0.0463			
						RPD = 1.50			

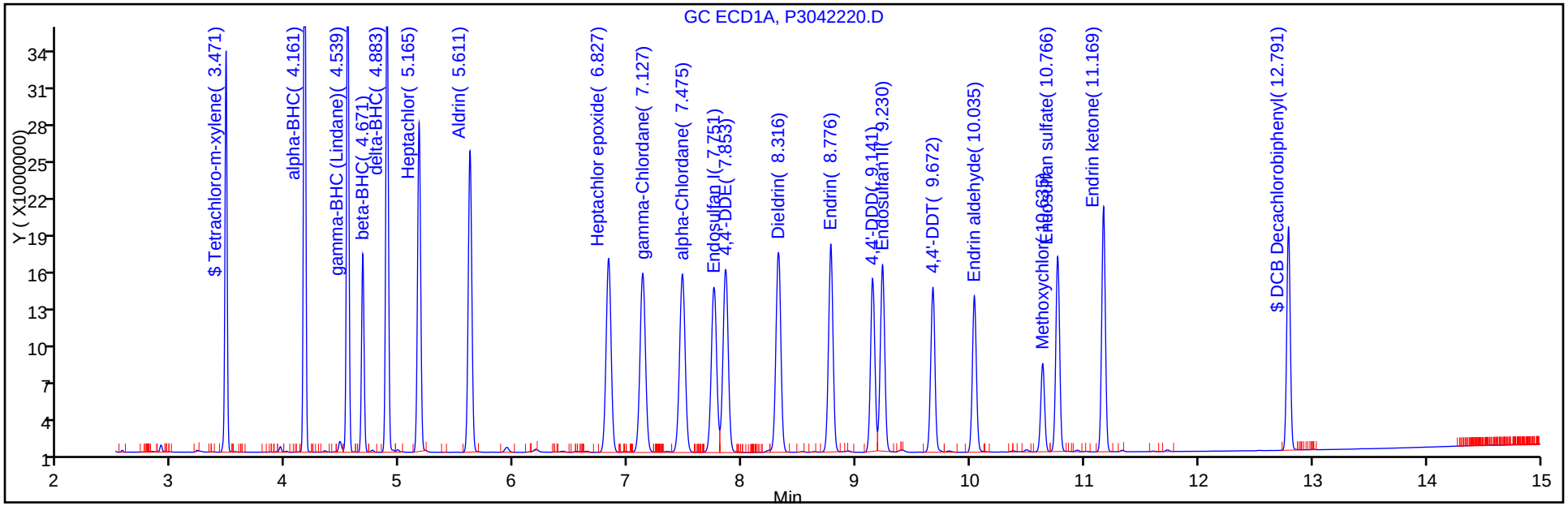
Report Date: 23-Apr-2013 12:22:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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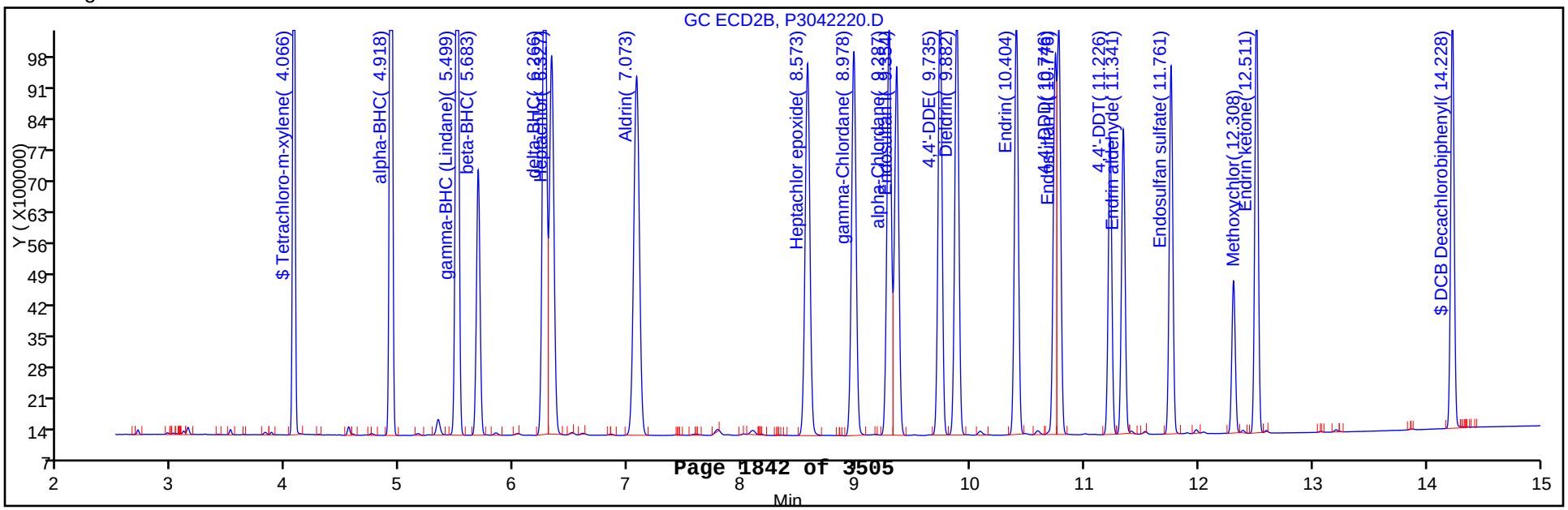
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042220.D

Injection Date:	22-Apr-2013 23:54:53	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	20
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042221.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 23-Apr-2013 00:15:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0019145-021
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 83061 Lims Sample ID: 21
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:22:32 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 12:22:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	88512805	0.1003			
2	100	4.066	4.066	0.000	49518560	0.1031			
						RPD = 2.77			
5 alpha-BHC									
1	100	4.161	4.161	0.000	144817030	0.1065			
2	100	4.918	4.918	0.000	78849479	0.1104			
						RPD = 3.57			
20 gamma-BHC (Lindane)									
1	100	4.539	4.539	0.000	127995144	0.1059			
2	100	5.499	5.498	0.001	68016432	0.1085			
						RPD = 2.43			
7 beta-BHC									
1	100	4.671	4.671	0.000	51099008	0.0984			
2	100	5.683	5.684	-0.001	27425292	0.0984			
						RPD = 0.00			
11 delta-BHC									
1	100	4.885	4.884	0.001	131886841	0.1077			
2	100	6.265	6.265	0.000	71543068	0.1102			
						RPD = 2.29			
22 Heptachlor									
1	100	5.166	5.165	0.001	107782550	0.1044			
2	100	6.327	6.327	0.000	52110387	0.1054			
						RPD = 0.96			
4 Aldrin									
1	100	5.612	5.611	0.001	113798895	0.1046			
2	100	7.071	7.073	-0.002	61705292	0.1066			
						RPD = 1.88			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.827	6.826	0.001	100596454	0.1013			
2	100	8.571	8.571	0.000	53322336	0.1038			
						RPD = 2.42			
21 gamma-Chlordane									
1	100	7.126	7.125	0.001	102924364	0.1030			
2	100	8.978	8.977	0.001	53506075	0.1052			
						RPD = 2.05			
6 alpha-Chlordane									
1	100	7.475	7.474	0.001	103970109	0.1016			
2	100	9.286	9.288	-0.002	54779040	0.1048			
						RPD = 3.10			
14 Endosulfan I									
1	100	7.751	7.751	0.000	92093886	0.1016			
2	100	9.352	9.352	0.000	47796645	0.1041			
						RPD = 2.42			
2 4,4'-DDE									
1	100	7.854	7.853	0.001	101399292	0.1047			
2	100	9.733	9.734	-0.001	53463556	0.1076			
						RPD = 2.77			
13 Dieldrin									
1	100	8.316	8.315	0.001	103490539	0.1037			
2	100	9.881	9.881	0.000	53335106	0.1066			
						RPD = 2.76			
17 Endrin									
1	100	8.774	8.776	-0.002	97032196	0.1044			
2	100	10.403	10.403	0.000	48723469	0.1062			
						RPD = 1.76			
1 4,4'-DDD									
1	100	9.143	9.145	-0.002	80049335	0.1070			
2	100	10.742	10.744	-0.002	37343816	0.1071			
						RPD = 0.07			
15 Endosulfan II									
1	100	9.230	9.229	0.001	85871443	0.1023			
2	100	10.775	10.775	0.000	44953433	0.1052			
						RPD = 2.81			
3 4,4'-DDT									
1	100	9.671	9.671	0.000	74848854	0.1064			
2	100	11.225	11.224	0.001	32835601	0.1060			
						RPD = 0.40			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	64922970	0.1008			
2	100	11.341	11.341	0.000	33101947	0.1024			
						RPD = 1.60			
27 Methoxychlor									
1	100	10.633	10.635	-0.002	34962249	0.0989			
2	100	12.308	12.308	0.000	15298267	0.0992			
						RPD = 0.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.766	10.767	-0.001	77281728	0.0996			
2	100	11.760	11.759	0.001	38903327	0.1013			
						RPD = 1.62			
19 Endrin ketone									
1	100	11.168	11.168	0.000	91459882	0.1018			
2	100	12.510	12.510	0.000	44148997	0.1027			
						RPD = 0.86			
$ 10 DCB Decachlorobiphenyl									
1	100	12.790	12.791	-0.001	77435570	0.0936			
2	100	14.228	14.229	-0.001	40134402	0.0929			
						RPD = 0.75			

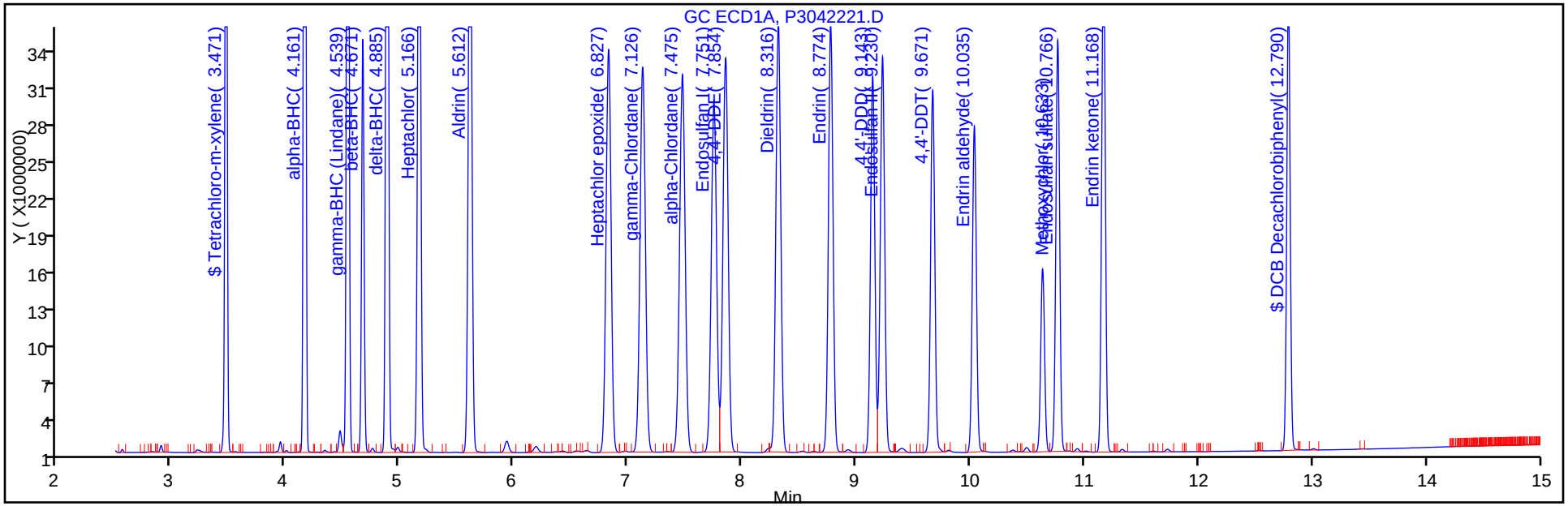
Report Date: 23-Apr-2013 12:22:33 Chrom Revision: 2.0 01-Apr-2013 21:16:10

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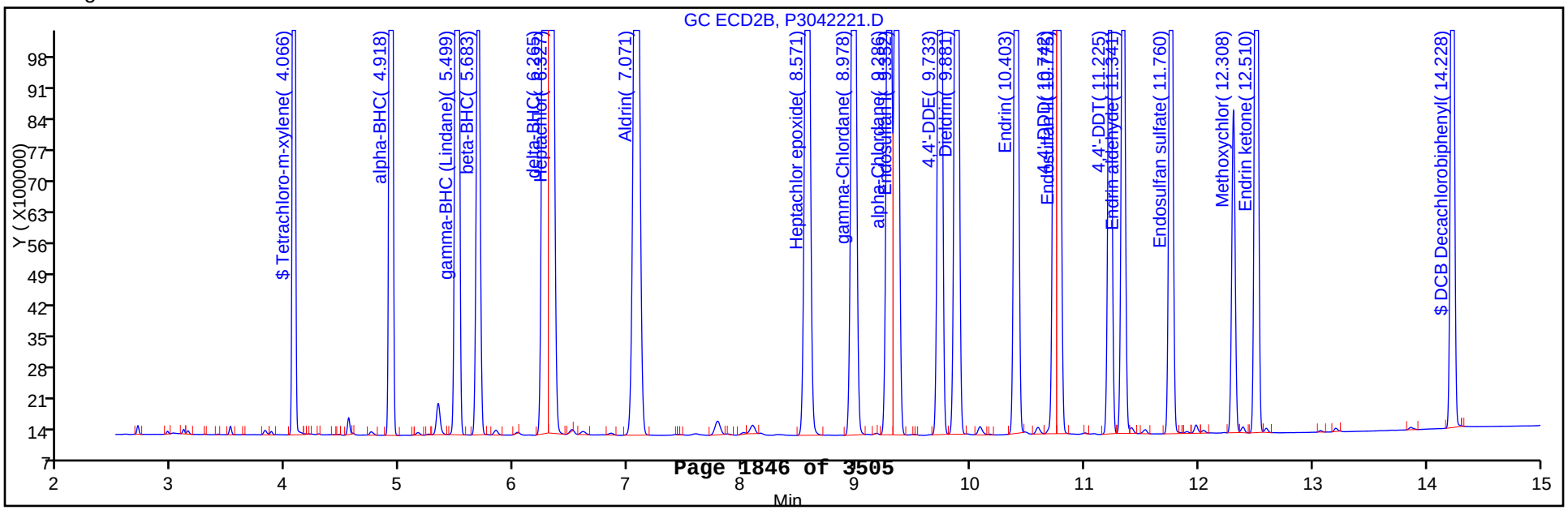
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Injection Date:	23-Apr-2013 00:15:05	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	21
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 23-Apr-2013 00:35:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0019145-022
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 83061 Lims Sample ID: 22
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 12:22:41 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	169920354	0.1926			
2	100	4.066	4.066	0.000	98242673	0.2046			
						RPD = 6.06			
5 alpha-BHC									
1	100	4.161	4.161	0.000	283063424	0.2083			
2	100	4.919	4.918	0.001	159768773	0.2237			
						RPD = 7.16			
20 gamma-BHC (Lindane)									
1	100	4.539	4.539	0.000	249893668	0.2068			
2	100	5.498	5.498	0.000	138063702	0.2203			
						RPD = 6.32			
7 beta-BHC									
1	100	4.670	4.671	-0.001	98988315	0.1906			
2	100	5.683	5.684	-0.001	54321784	0.1949			
						RPD = 2.23			
11 delta-BHC									
1	100	4.884	4.884	0.000	258772941	0.2114			
2	100	6.265	6.265	0.000	146042729	0.2250			
						RPD = 6.25			
22 Heptachlor									
1	100	5.165	5.165	0.000	206375469	0.2000			
2	100	6.327	6.327	0.000	104487984	0.2114			
						RPD = 5.57			
4 Aldrin									
1	100	5.612	5.611	0.001	219420009	0.2017			
2	100	7.072	7.073	-0.001	124559506	0.2151			
						RPD = 6.46			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.826	6.826	0.000	192436556	0.1938			
2	100	8.572	8.571	0.001	105721124	0.2058			
						RPD = 6.00			
21 gamma-Chlordane									
1	100	7.128	7.125	0.003	202198675	0.2024			
2	100	8.977	8.977	0.000	108264668	0.2128			
						RPD = 5.00			
6 alpha-Chlordane									
1	100	7.474	7.474	0.000	202660192	0.1981			
2	100	9.286	9.288	-0.002	109363423	0.2093			
						RPD = 5.49			
14 Endosulfan I									
1	100	7.751	7.751	0.000	177524781	0.1959			
2	100	9.353	9.352	0.001	96135060	0.2094			
						RPD = 6.67			
2 4,4'-DDE									
1	100	7.853	7.853	0.000	199044895	0.2054			
2	100	9.734	9.734	0.000	108304220	0.2180			
						RPD = 5.91			
13 Dieldrin									
1	100	8.315	8.315	0.000	199978947	0.2003			
2	100	9.880	9.881	-0.001	107160576	0.2141			
						RPD = 6.66			
17 Endrin									
1	100	8.775	8.776	-0.001	186140441	0.2003			
2	100	10.403	10.403	0.000	97517530	0.2126			
						RPD = 6.00			
1 4,4'-DDD									
1	100	9.142	9.145	-0.003	158094963	0.2114			
2	100	10.744	10.744	0.000	80904507	0.2320			
						RPD = 9.32			
15 Endosulfan II									
1	100	9.229	9.229	0.000	165158863	0.1967			
2	100	10.775	10.775	0.000	85075224	0.1990			
						RPD = 1.20			
3 4,4'-DDT									
1	100	9.670	9.671	-0.001	147535152	0.2098			
2	100	11.225	11.224	0.001	66486918	0.2147			
						RPD = 2.29			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	124507044	0.1933			
2	100	11.341	11.341	0.000	65812029	0.2036			
						RPD = 5.21			
27 Methoxychlor									
1	100	10.635	10.635	0.000	65686508	0.1857			
2	100	12.309	12.308	0.001	29459270	0.1910			
						RPD = 2.82			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.767	10.767	0.000	148485186	0.1914			
2	100	11.760	11.759	0.001	77746459	0.2023			
						RPD = 5.56			
19 Endrin ketone									
1	100	11.170	11.168	0.002	175224043	0.1951			
2	100	12.510	12.510	0.000	88668360	0.2063			
						RPD = 5.58			
$ 10 DCB Decachlorobiphenyl									
1	100	12.790	12.791	-0.001	147579301	0.1784			
2	100	14.229	14.229	0.000	78011218	0.1806			
						RPD = 1.22			

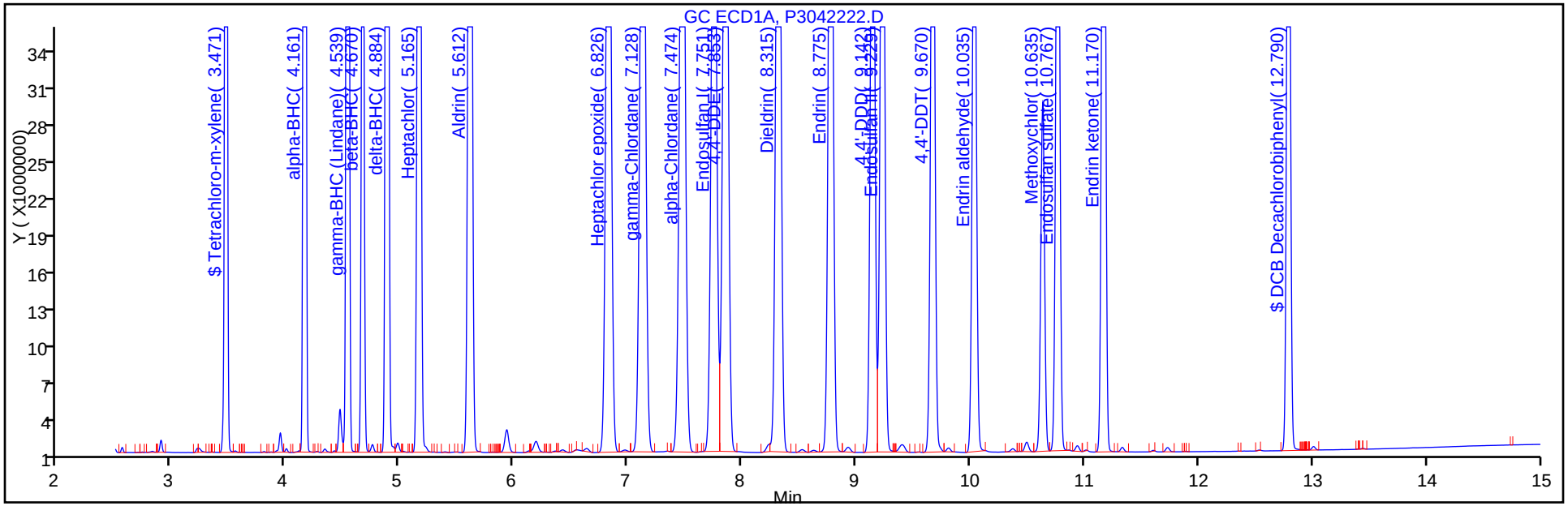
Report Date: 23-Apr-2013 12:22:43 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

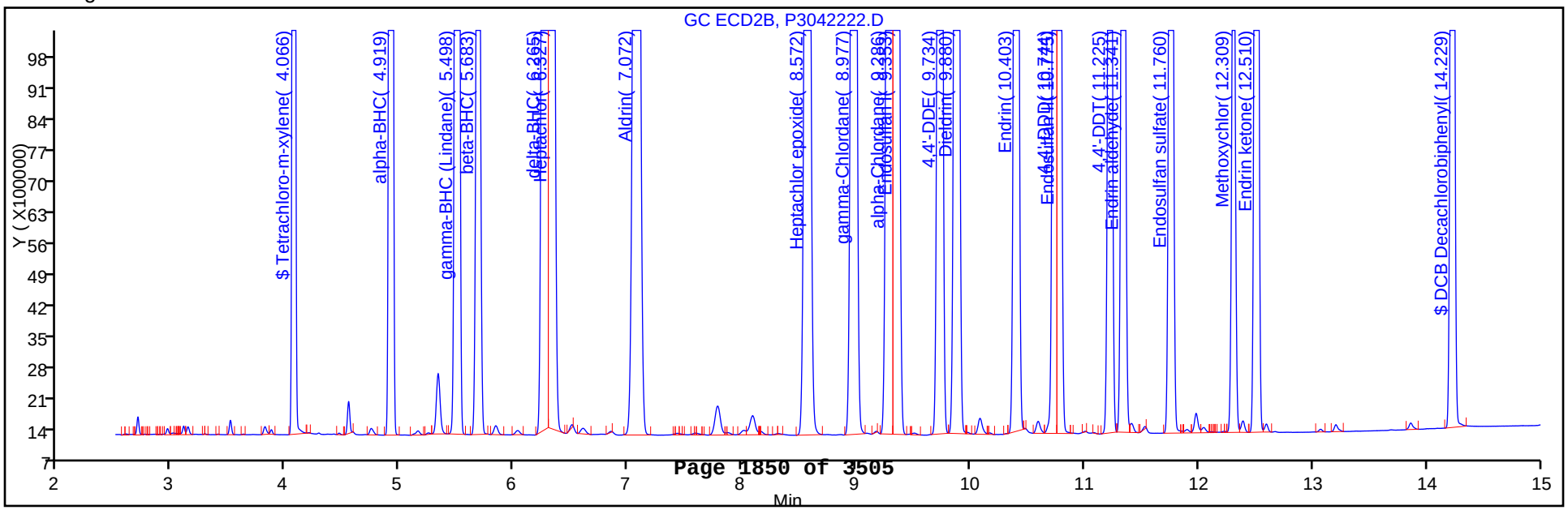
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Injection Date:	23-Apr-2013 00:35:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	22
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: PEM 240-78295/12 Calibration Date: 03/14/2013 14:00

Instrument ID: A2HP3 Calib Start Date: 03/01/2013 00:21

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/01/2013 02:07

Lab File ID: P3031412.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.97	56639798	1.74	15	
Endrin aldehyde		0			
Endrin ketone	11.32	1003682			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.84	93451758	0.00	15	
4,4'-DDD		0			
4,4'-DDE		0			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031412.D
Lims ID: PEM Client ID:
Inject. Date: 14-Mar-2013 14:00:24 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0017984-012
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 78295 Lims Sample ID: 12
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:27 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 14-Mar-2013 14:22:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	21967445	0.0200			
2	100	4.180	4.180	0.000	11767453	0.0195			
						RPD = 2.45			
5 alpha-BHC									
1	100	4.255	4.255	0.000	15260595	0.009399			
2	100	5.068	5.068	0.000	6844149	0.008889			
						RPD = 5.57			
20 gamma-BHC (Lindane)									
1	100	4.642	4.643	-0.001	13870570	0.009532			
2	100	5.688	5.688	0.000	6203521	0.009162			
						RPD = 3.95			
7 beta-BHC									
1	100	4.777	4.777	0.000	6306730	0.0102			
2	100	5.882	5.883	-0.001	3002265	0.0102			
						RPD = 0.43			
2 4,4'-DDE									
1	100		8.060						
2	100		9.940						
17 Endrin									
1	100	8.965	8.966	-0.001	56639798	0.0476			
2	100	10.608	10.608	0.000	25259263	0.0471			
						RPD = 1.03			
1 4,4'-DDD									
1	100		9.318						
2	100		10.930						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.836	9.835	0.001	93451758	0.1013			
2	100	11.411	11.410	0.001	40650196	0.1028			
						RPD = 1.41			
18 Endrin aldehyde									
1	100		10.201						
2	100		11.532						
27 Methoxychlor									
1	100		10.780						
2	100		12.487						
19 Endrin ketone									
1	100	11.320	11.322	-0.002	1003682	0.000877			
2	100	12.697	12.699	-0.002	617496	0.001231			
						RPD = 33.62			

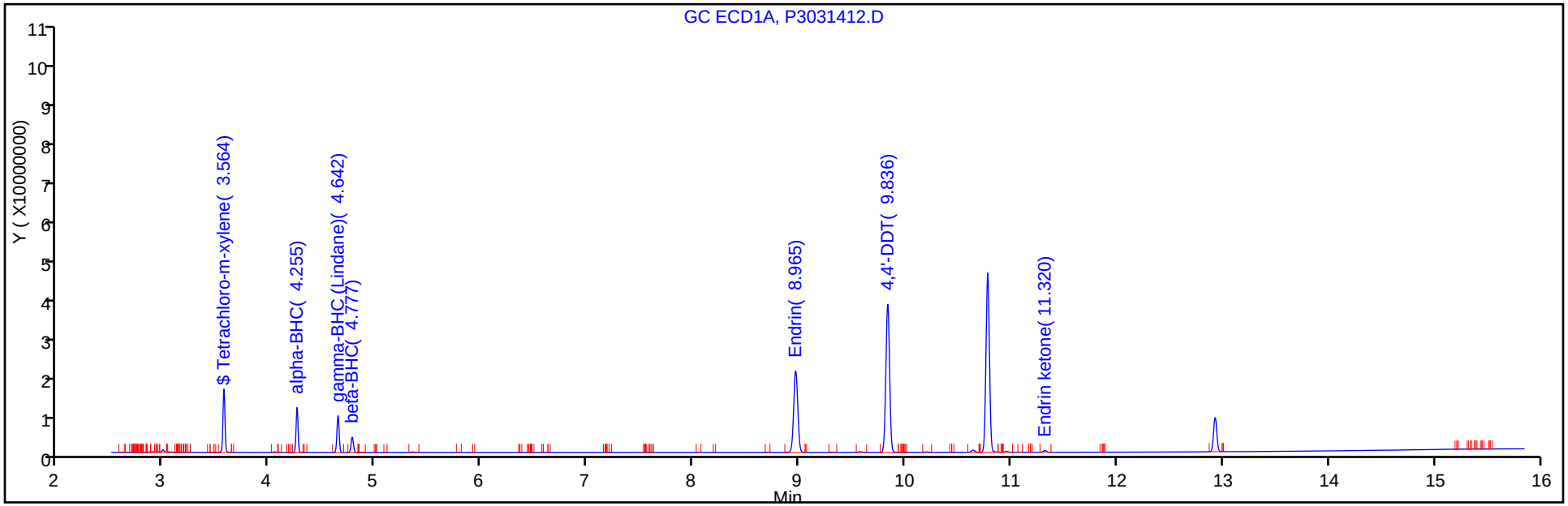
Report Date: 15-Mar-2013 07:54:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

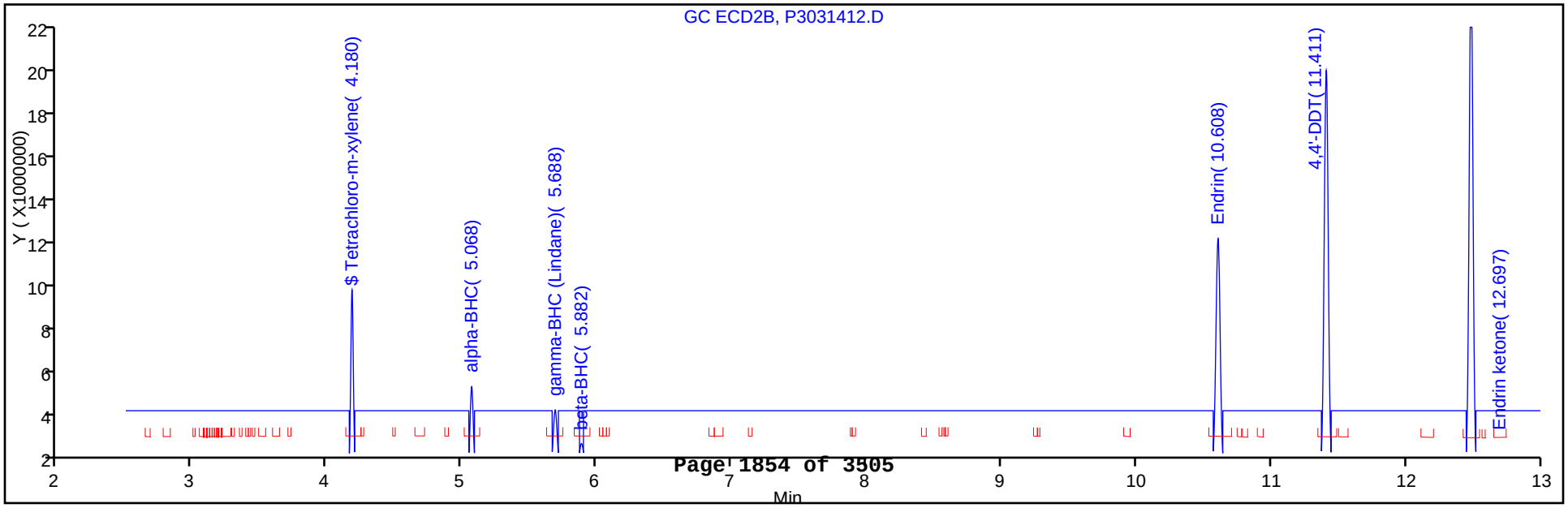
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031412.D

Injection Date:	14-Mar-2013 14:00:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	12
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: PEM 240-78295/12 Calibration Date: 03/14/2013 14:00

Instrument ID: A2HP3 Calib Start Date: 03/01/2013 00:21

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/01/2013 02:07

Lab File ID: P3031412.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.61	25259263	2.39	15	
Endrin aldehyde		0			
Endrin ketone	12.70	617496			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.41	40650196	0.00	15	
4,4'-DDD		0			
4,4'-DDE		0			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031412.D
Lims ID: PEM Client ID:
Inject. Date: 14-Mar-2013 14:00:24 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0017984-012
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 78295 Lims Sample ID: 12
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:27 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr Date: 14-Mar-2013 14:22:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.564	3.565	-0.001	21967445	0.0200			
2	100	4.180	4.180	0.000	11767453	0.0195			
						RPD = 2.45			
5 alpha-BHC									
1	100	4.255	4.255	0.000	15260595	0.009399			
2	100	5.068	5.068	0.000	6844149	0.008889			
						RPD = 5.57			
20 gamma-BHC (Lindane)									
1	100	4.642	4.643	-0.001	13870570	0.009532			
2	100	5.688	5.688	0.000	6203521	0.009162			
						RPD = 3.95			
7 beta-BHC									
1	100	4.777	4.777	0.000	6306730	0.0102			
2	100	5.882	5.883	-0.001	3002265	0.0102			
						RPD = 0.43			
2 4,4'-DDE									
1	100		8.060						
2	100		9.940						
17 Endrin									
1	100	8.965	8.966	-0.001	56639798	0.0476			
2	100	10.608	10.608	0.000	25259263	0.0471			
						RPD = 1.03			
1 4,4'-DDD									
1	100		9.318						
2	100		10.930						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.836	9.835	0.001	93451758	0.1013			
2	100	11.411	11.410	0.001	40650196	0.1028			
						RPD = 1.41			
18 Endrin aldehyde									
1	100		10.201						
2	100		11.532						
27 Methoxychlor									
1	100		10.780						
2	100		12.487						
19 Endrin ketone									
1	100	11.320	11.322	-0.002	1003682	0.000877			
2	100	12.697	12.699	-0.002	617496	0.001231			
						RPD = 33.62			

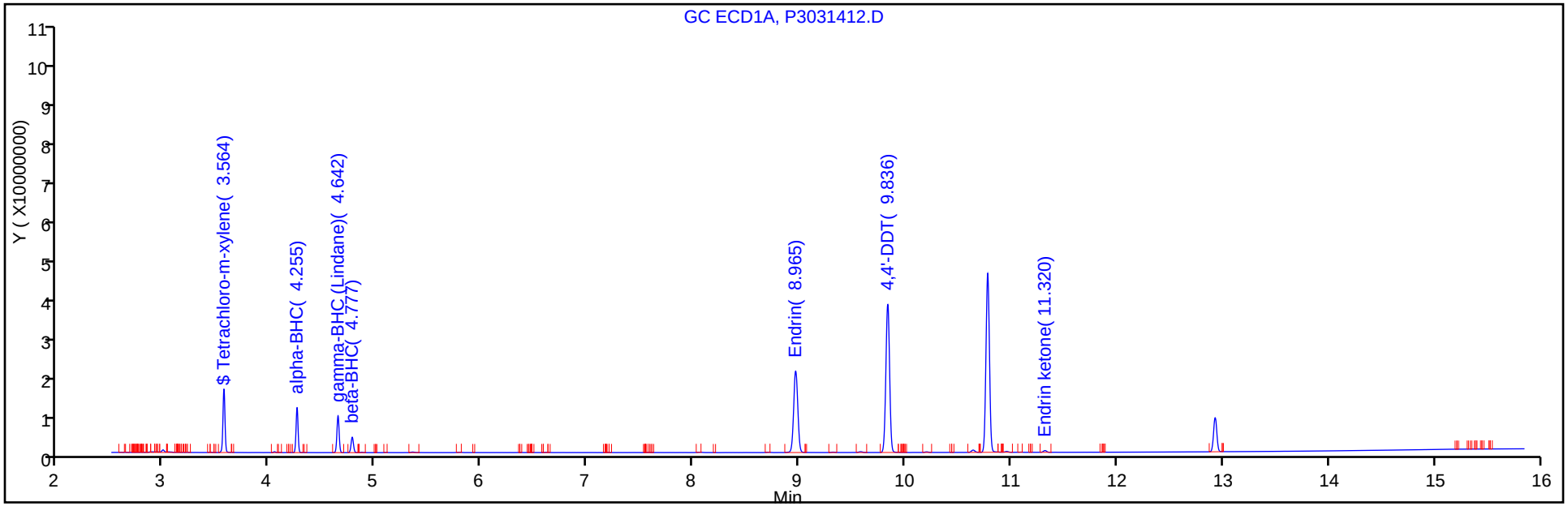
Report Date: 15-Mar-2013 07:54:29 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

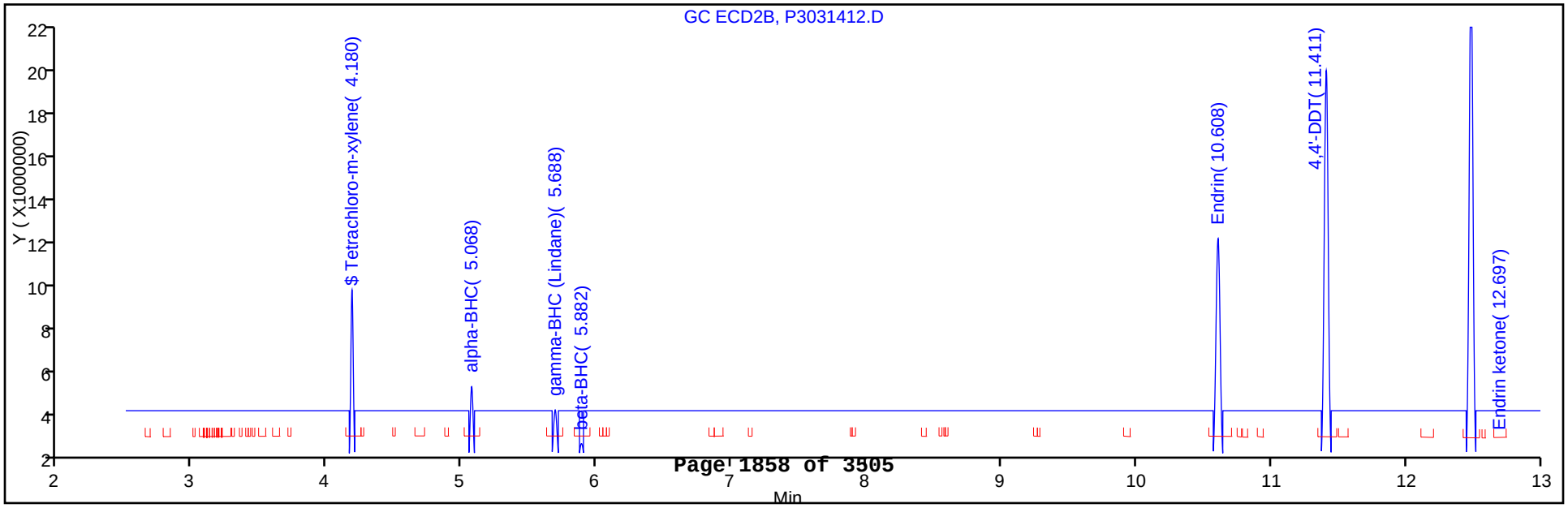
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Injection Date:	14-Mar-2013 14:00:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	12
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: PEM 240-82685/4 Calibration Date: 04/19/2013 11:25

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3041904.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.80	64232738	1.38	15	
Endrin aldehyde		0			
Endrin ketone	11.19	897740			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.70	118197261	0.00	15	
4,4'-DDD		0			
4,4'-DDE		0			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041904.D
Lims ID: PEM Client ID:
Inject. Date: 19-Apr-2013 11:25:21 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0019054-004
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 82685 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
Last Update: 20-Apr-2013 07:39:29 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 19-Apr-2013 11:49:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.482	3.490	-0.008	21289622	0.0194			
2	100	4.092	4.092	0.000	11240602	0.0186			
						RPD = 3.90			
5 alpha-BHC									
1	100	4.173	4.181	-0.008	16484942	0.0102			
2	100	4.950	4.949	0.001	8323673	0.0108			
						RPD = 6.28			
20 gamma-BHC (Lindane)									
1	100	4.553	4.561	-0.008	15347318	0.0105			
2	100	5.533	5.533	0.000	7736545	0.0114			
						RPD = 8.01			
7 beta-BHC									
1	100	4.686	4.695	-0.009	6814745	0.0110			
2	100	5.719	5.719	0.000	3646856	0.0123			
						RPD = 11.26			
2 4,4'-DDE									
1	100		7.897						
2	100		9.766						
17 Endrin									
1	100	8.801	8.816	-0.015	64232738	0.0540			
2	100	10.437	10.435	0.002	32036862	0.0598			
						RPD = 10.15			
1 4,4'-DDD									1
1	100		9.182						
2	100		10.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.695	9.706	-0.011	118197261	0.1282			
2	100	11.256	11.256	0.000	54591147	0.1380			
						RPD = 7.40			
18 Endrin aldehyde									
1	100		10.070						
2	100		11.374						
27 Methoxychlor									
1	100		10.667						
2	100		12.336						
19 Endrin ketone									
1	100	11.194	11.201	-0.007	897740	0.000784			
2	100	12.541	12.539	0.002	674067	0.001344			
						RPD = 52.60			

QC Flag Legend

Processing Flags
1 - Missing Peaks

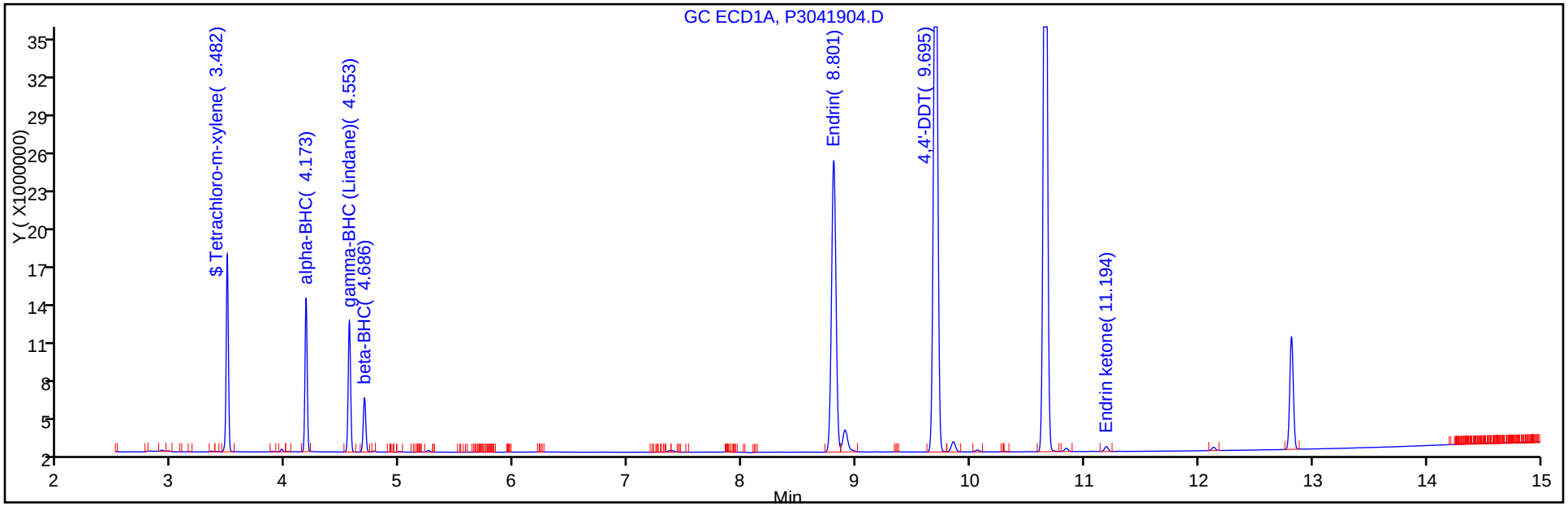
Report Date: 20-Apr-2013 07:39:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

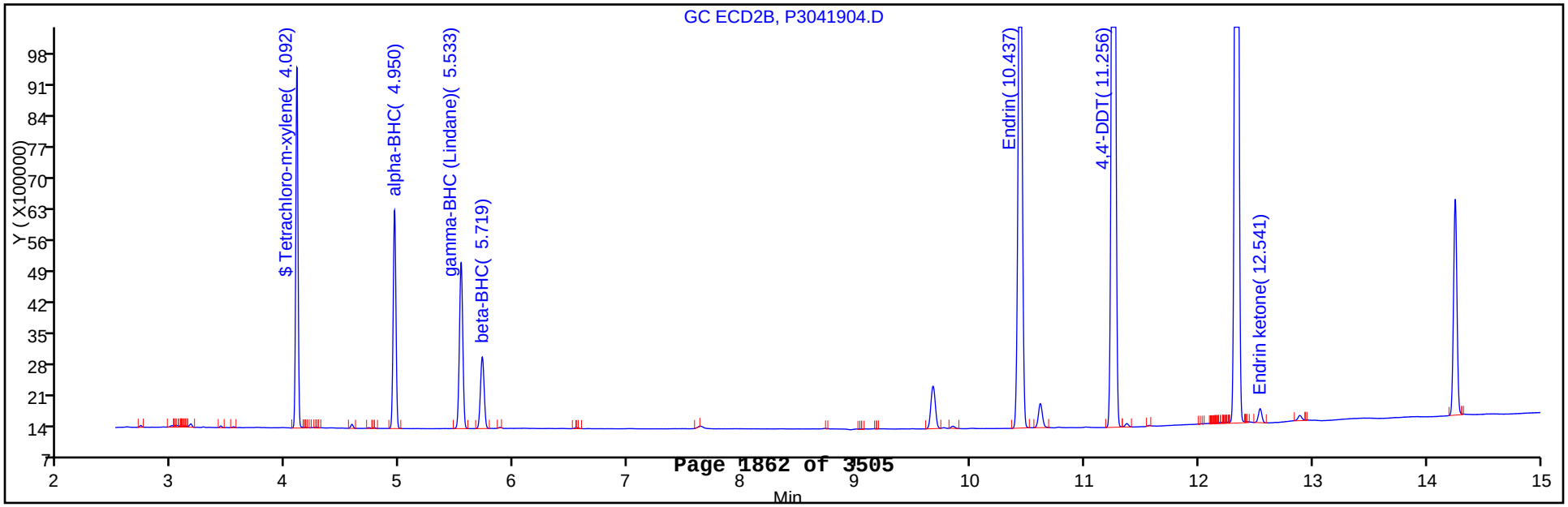
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Injection Date:	19-Apr-2013 11:25:21	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	4
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: PEM 240-82685/4 Calibration Date: 04/19/2013 11:25

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3041904.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.44	32036862	2.06	15	
Endrin aldehyde		0			
Endrin ketone	12.54	674067			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.26	54591147	0.00	15	
4,4'-DDD		0			
4,4'-DDE		0			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041904.D
Lims ID: PEM Client ID:
Inject. Date: 19-Apr-2013 11:25:21 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0019054-004
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 82685 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
Last Update: 20-Apr-2013 07:39:29 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 19-Apr-2013 11:49:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.482	3.490	-0.008	21289622	0.0194			
2	100	4.092	4.092	0.000	11240602	0.0186			
						RPD = 3.90			
5 alpha-BHC									
1	100	4.173	4.181	-0.008	16484942	0.0102			
2	100	4.950	4.949	0.001	8323673	0.0108			
						RPD = 6.28			
20 gamma-BHC (Lindane)									
1	100	4.553	4.561	-0.008	15347318	0.0105			
2	100	5.533	5.533	0.000	7736545	0.0114			
						RPD = 8.01			
7 beta-BHC									
1	100	4.686	4.695	-0.009	6814745	0.0110			
2	100	5.719	5.719	0.000	3646856	0.0123			
						RPD = 11.26			
2 4,4'-DDE									
1	100		7.897						
2	100		9.766						
17 Endrin									
1	100	8.801	8.816	-0.015	64232738	0.0540			
2	100	10.437	10.435	0.002	32036862	0.0598			
						RPD = 10.15			
1 4,4'-DDD									1
1	100		9.182						
2	100		10.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.695	9.706	-0.011	118197261	0.1282			
2	100	11.256	11.256	0.000	54591147	0.1380			
						RPD = 7.40			
18 Endrin aldehyde									
1	100		10.070						
2	100		11.374						
27 Methoxychlor									
1	100		10.667						
2	100		12.336						
19 Endrin ketone									
1	100	11.194	11.201	-0.007	897740	0.000784			
2	100	12.541	12.539	0.002	674067	0.001344			
						RPD = 52.60			

QC Flag Legend

Processing Flags
1 - Missing Peaks

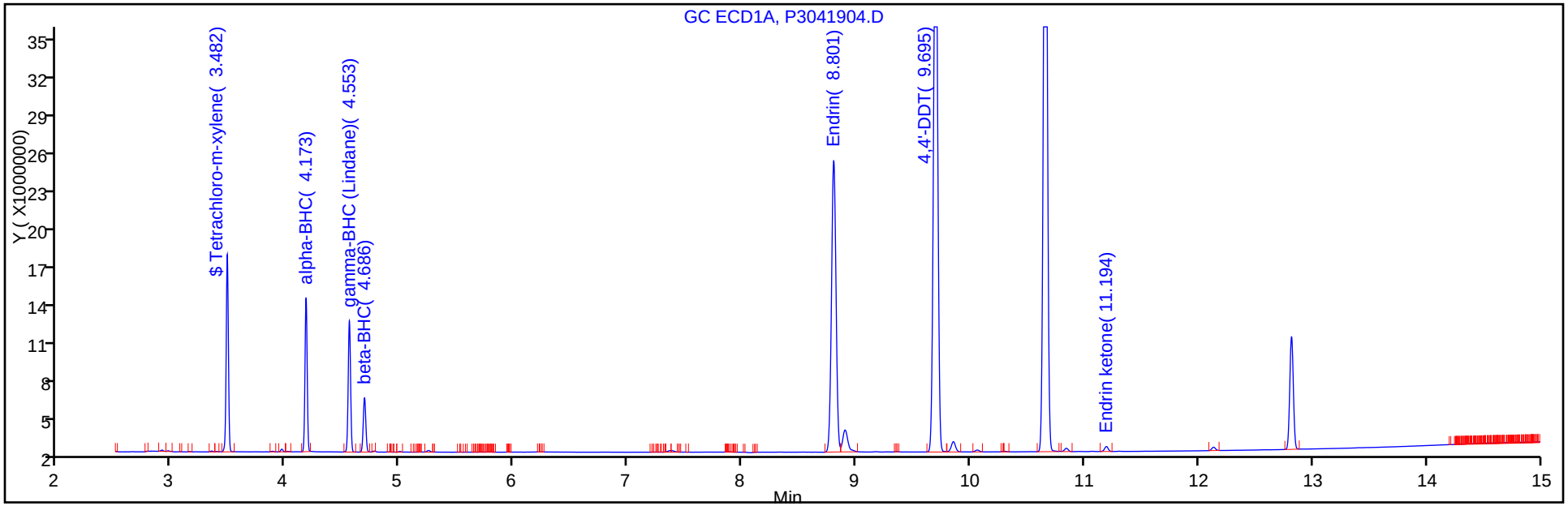
Report Date: 20-Apr-2013 07:39:30 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

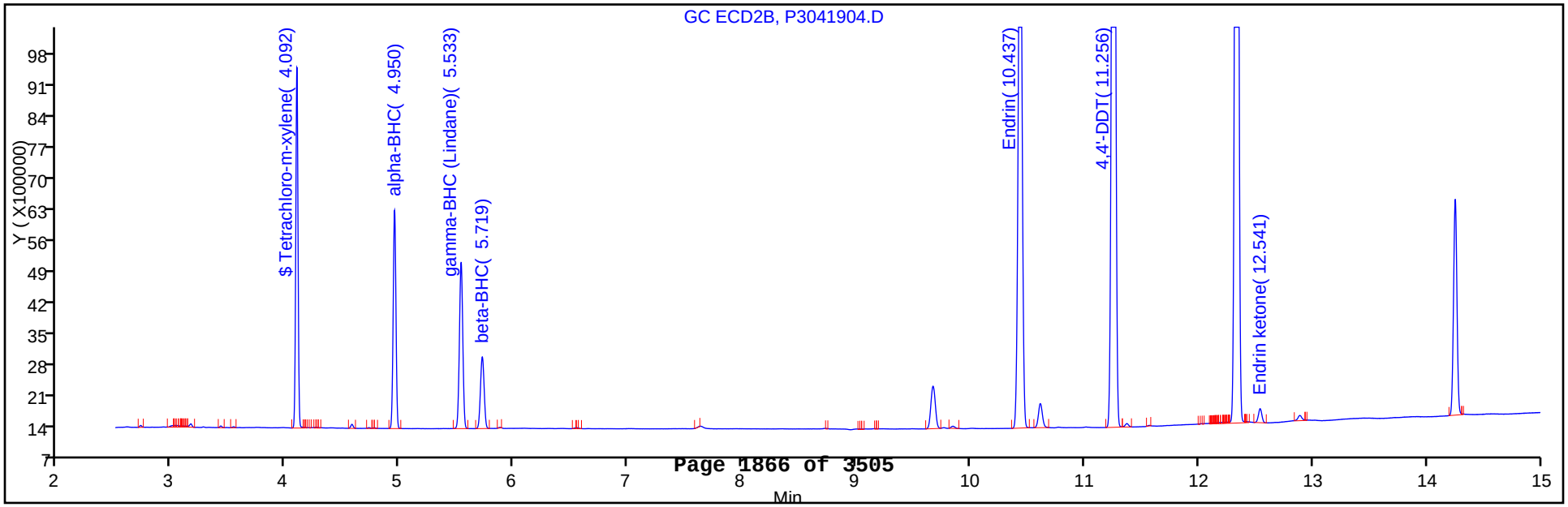
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Injection Date:	19-Apr-2013 11:25:21	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	4
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: PEM 240-82857/4 Calibration Date: 04/20/2013 14:02

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042004.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.77	46268845	2.52	15	
Endrin aldehyde		0			
Endrin ketone	11.17	1196542			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.67	73980516	0.88	15	
4,4'-DDD	9.14	602927			
4,4'-DDE	7.85	51208			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042004.D
Lims ID: PEM Client ID:
Inject. Date: 20-Apr-2013 14:02:25 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0019105-004
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 82857 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:30:53 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 22-Apr-2013 09:18:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.469	3.474	-0.005	20648769	0.0188			
2	100	4.071	4.070	0.001	10848667	0.0180			
						RPD = 4.39			
5 alpha-BHC									
1	100	4.158	4.164	-0.006	13233470	0.008150			
2	100	4.925	4.924	0.001	6591334	0.008561			
						RPD = 4.92			
20 gamma-BHC (Lindane)									
1	100	4.535	4.541	-0.006	11409380	0.007840			
2	100	5.506	5.506	0.000	5745955	0.008487			
						RPD = 7.92			
7 beta-BHC									
1	100	4.666	4.674	-0.008	5421313	0.008765			
2	100	5.691	5.692	-0.001	2889765	0.009772			
						RPD = 10.86			
2 4,4'-DDE									
1	100	7.846	7.866	-0.020	51208	0.000040			
2	100	9.744	9.744	0.000	166963	0.000274			
						RPD = 148.53			
17 Endrin									
1	100	8.774	8.785	-0.011	46268845	0.0389			
2	100	10.413	10.414	-0.001	22618213	0.0422			
						RPD = 8.15			
1 4,4'-DDD									
1	100	9.142	9.153	-0.011	602927	0.000621			
2	100	10.751	10.754	-0.003	298477	0.000698			
						RPD = 11.63			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.669	9.677	-0.008	73980516	0.0802			
2	100	11.236	11.236	0.000	34110297	0.0862			
						RPD = 7.23			
18 Endrin aldehyde									
1	100		10.041						
2	100		11.354						
27 Methoxychlor									
1	100	10.631	10.640	-0.009	86083681	0.1866			E
2	100	12.321	12.321	0.000	39951716	0.2002			E
						RPD = 7.07			
19 Endrin ketone									
1	100	11.165	11.174	-0.009	1196542	0.001045			
2	100	12.525	12.523	0.002	696959	0.001390			
						RPD = 28.28			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

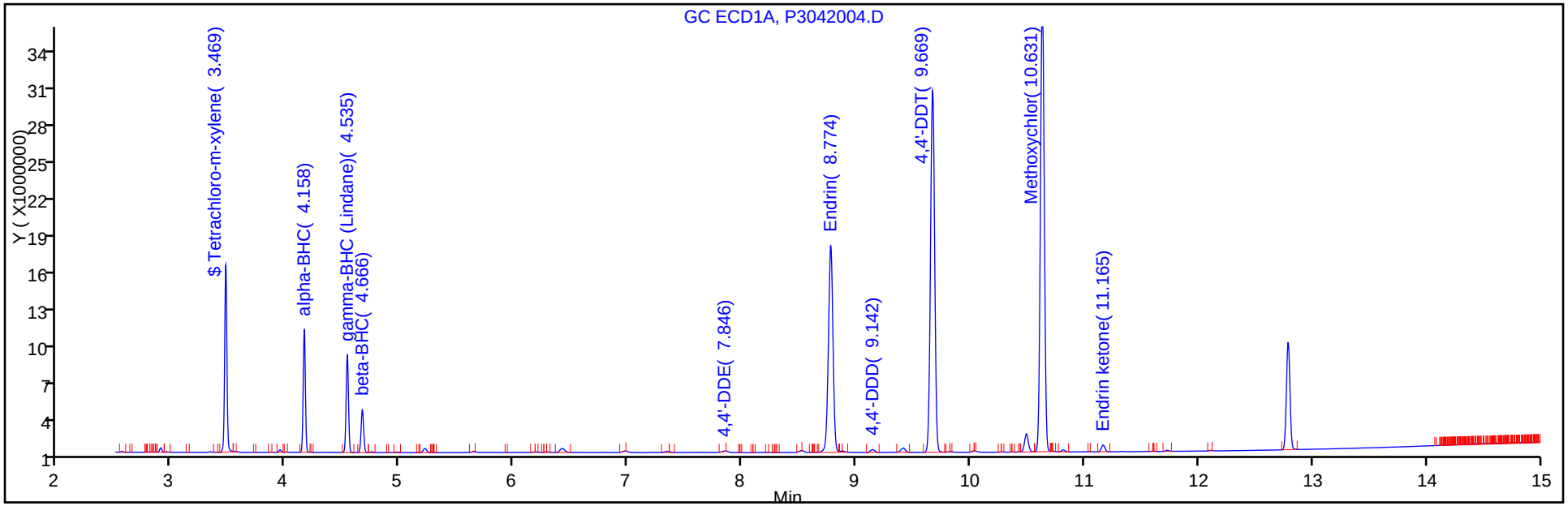
Report Date: 22-Apr-2013 10:30:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

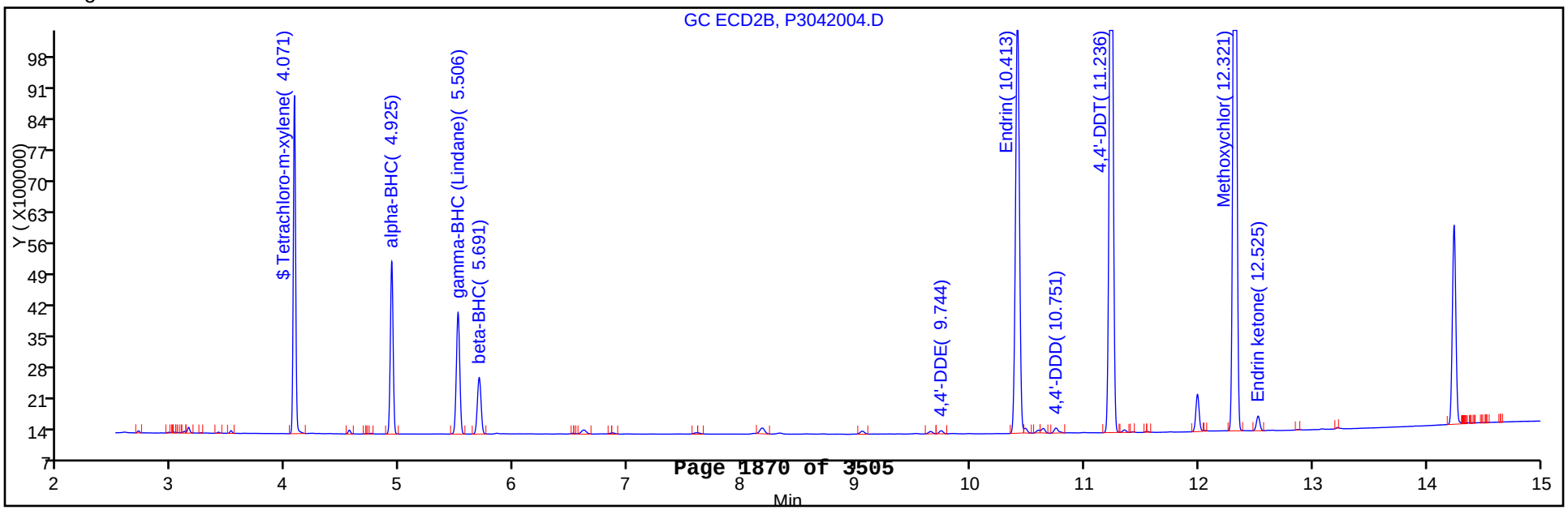
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042004.D

Injection Date:	20-Apr-2013 14:02:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	4
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: PEM 240-82857/4 Calibration Date: 04/20/2013 14:02

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042004.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.41	22618213	2.99	15	
Endrin aldehyde		0			
Endrin ketone	12.53	696959			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.24	34110297	1.35	15	
4,4'-DDD	10.75	298477			
4,4'-DDE	9.74	166963			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042004.D
Lims ID: PEM Client ID:
Inject. Date: 20-Apr-2013 14:02:25 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0019105-004
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 82857 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:30:53 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 22-Apr-2013 09:18:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.469	3.474	-0.005	20648769	0.0188			
2	100	4.071	4.070	0.001	10848667	0.0180			
						RPD = 4.39			
5 alpha-BHC									
1	100	4.158	4.164	-0.006	13233470	0.008150			
2	100	4.925	4.924	0.001	6591334	0.008561			
						RPD = 4.92			
20 gamma-BHC (Lindane)									
1	100	4.535	4.541	-0.006	11409380	0.007840			
2	100	5.506	5.506	0.000	5745955	0.008487			
						RPD = 7.92			
7 beta-BHC									
1	100	4.666	4.674	-0.008	5421313	0.008765			
2	100	5.691	5.692	-0.001	2889765	0.009772			
						RPD = 10.86			
2 4,4'-DDE									
1	100	7.846	7.866	-0.020	51208	0.000040			
2	100	9.744	9.744	0.000	166963	0.000274			
						RPD = 148.53			
17 Endrin									
1	100	8.774	8.785	-0.011	46268845	0.0389			
2	100	10.413	10.414	-0.001	22618213	0.0422			
						RPD = 8.15			
1 4,4'-DDD									
1	100	9.142	9.153	-0.011	602927	0.000621			
2	100	10.751	10.754	-0.003	298477	0.000698			
						RPD = 11.63			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.669	9.677	-0.008	73980516	0.0802			
2	100	11.236	11.236	0.000	34110297	0.0862			
						RPD = 7.23			
18 Endrin aldehyde									
1	100		10.041						
2	100		11.354						
27 Methoxychlor									
1	100	10.631	10.640	-0.009	86083681	0.1866			E
2	100	12.321	12.321	0.000	39951716	0.2002			E
						RPD = 7.07			
19 Endrin ketone									
1	100	11.165	11.174	-0.009	1196542	0.001045			
2	100	12.525	12.523	0.002	696959	0.001390			
						RPD = 28.28			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

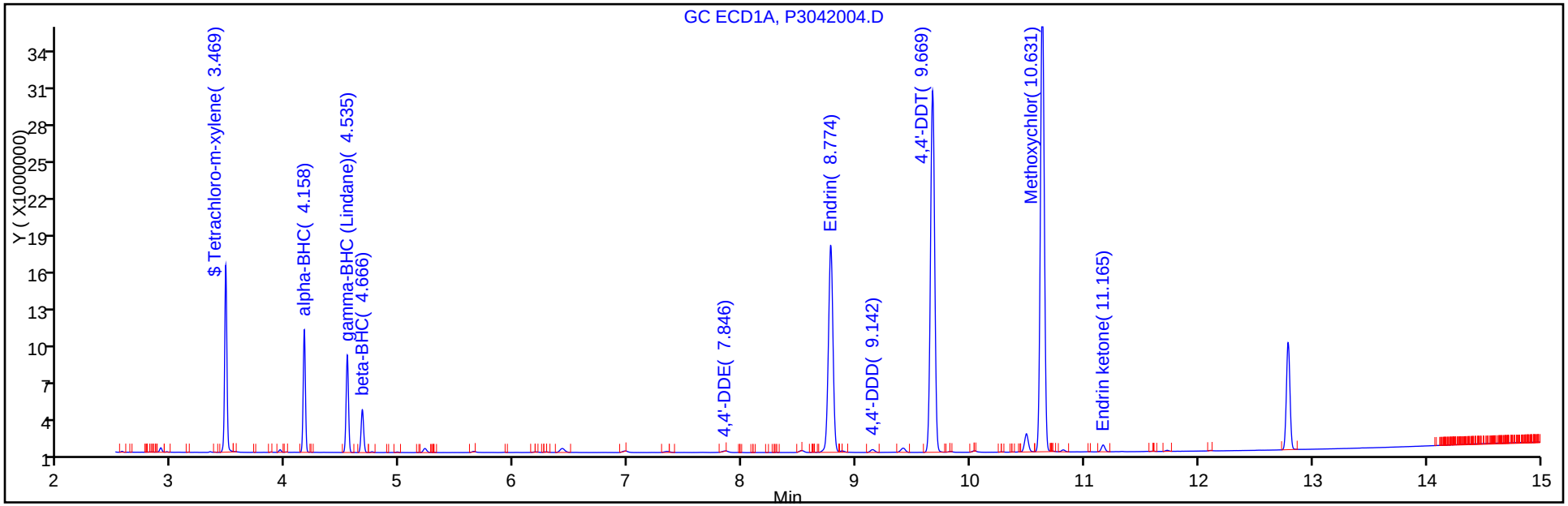
Report Date: 22-Apr-2013 10:30:53 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

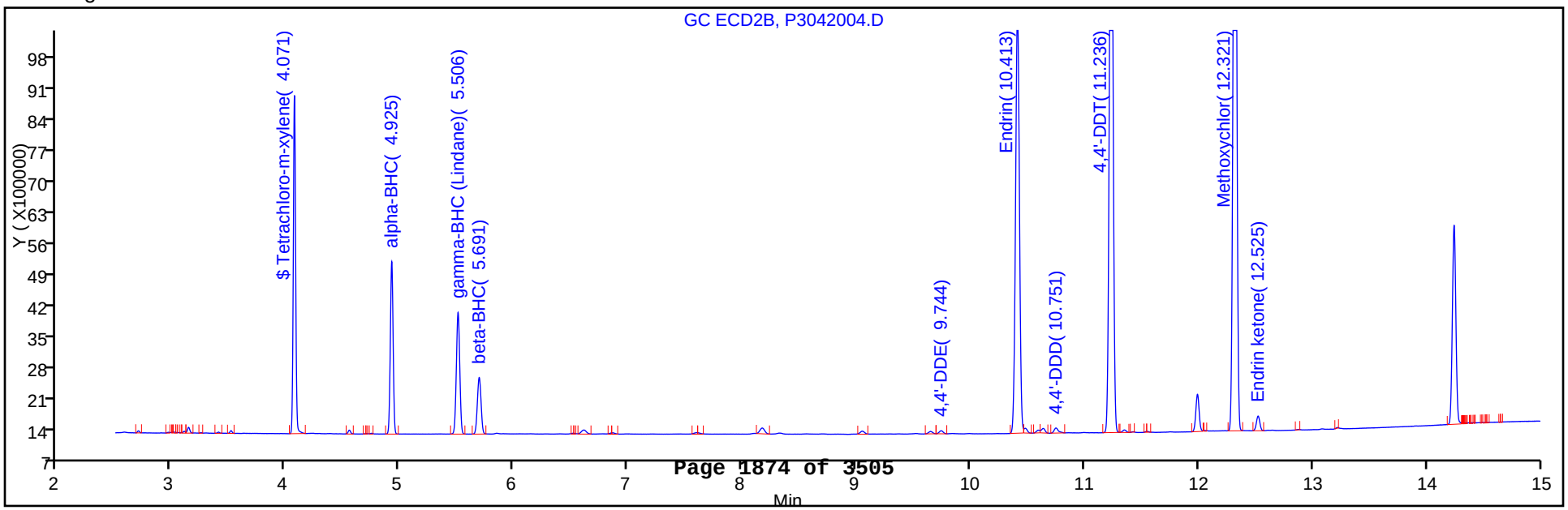
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042004.D

Injection Date:	20-Apr-2013 14:02:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	4
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: PEM 240-83061/4 Calibration Date: 04/22/2013 18:32

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042204.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.76	46790372	3.99	15	
Endrin aldehyde	10.03	380862			
Endrin ketone	11.16	1565886			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.66	72442013	1.68	15	
4,4'-DDD	9.13	890968			
4,4'-DDE	7.84	348672			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042204.D
Lims ID: PEM Client ID:
Inject. Date: 22-Apr-2013 18:32:10 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0019145-004
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 83061 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 10:54:09 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:11:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.466	3.471	-0.005	17363459	0.0197			
2	100	4.067	4.065	0.002	9384497	0.0195			
						RPD = 0.68			
5 alpha-BHC									
1	100	4.155	4.160	-0.005	12875409	0.009472			
2	100	4.919	4.918	0.001	6584708	0.009221			
						RPD = 2.69			
20 gamma-BHC (Lindane)									
1	100	4.532	4.538	-0.006	11668722	0.009655			
2	100	5.500	5.497	0.003	5982340	0.009544			
						RPD = 1.16			
7 beta-BHC									
1	100	4.664	4.671	-0.007	5424437	0.0104			
2	100	5.684	5.682	0.002	2962840	0.0106			
						RPD = 1.76			
2 4,4'-DDE									M
1	100	7.837	7.852	-0.015	348672	0.000360			
2	100	9.734	9.733	0.001	151505	0.000305			
						RPD = 16.54			
17 Endrin									
1	100	8.764	8.776	-0.012	46790372	0.0503			
2	100	10.404	10.403	0.001	23347835	0.0509			
						RPD = 1.13			
1 4,4'-DDD									
1	100	9.130	9.143	-0.013	890968	0.001191			
2	100	10.739	10.742	-0.003	407096	0.001168			
						RPD = 2.01			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.660	9.670	-0.010	72442013	0.1030			
2	100	11.226	11.224	0.002	33053884	0.1067			
						RPD = 3.53			
18 Endrin aldehyde									M
1	100	10.027	10.035	-0.008	380862	0.000591			7
2	100	11.344	11.339	0.005	135009	0.000418			7
						RPD = 34.40			
LOD = 0.000500									
27 Methoxychlor									E
1	100		10.634						
2	100		12.309						
19 Endrin ketone									
1	100	11.160	11.168	-0.008	1565886	0.001743			
2	100	12.512	12.510	0.002	859394	0.001999			
						RPD = 13.68			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

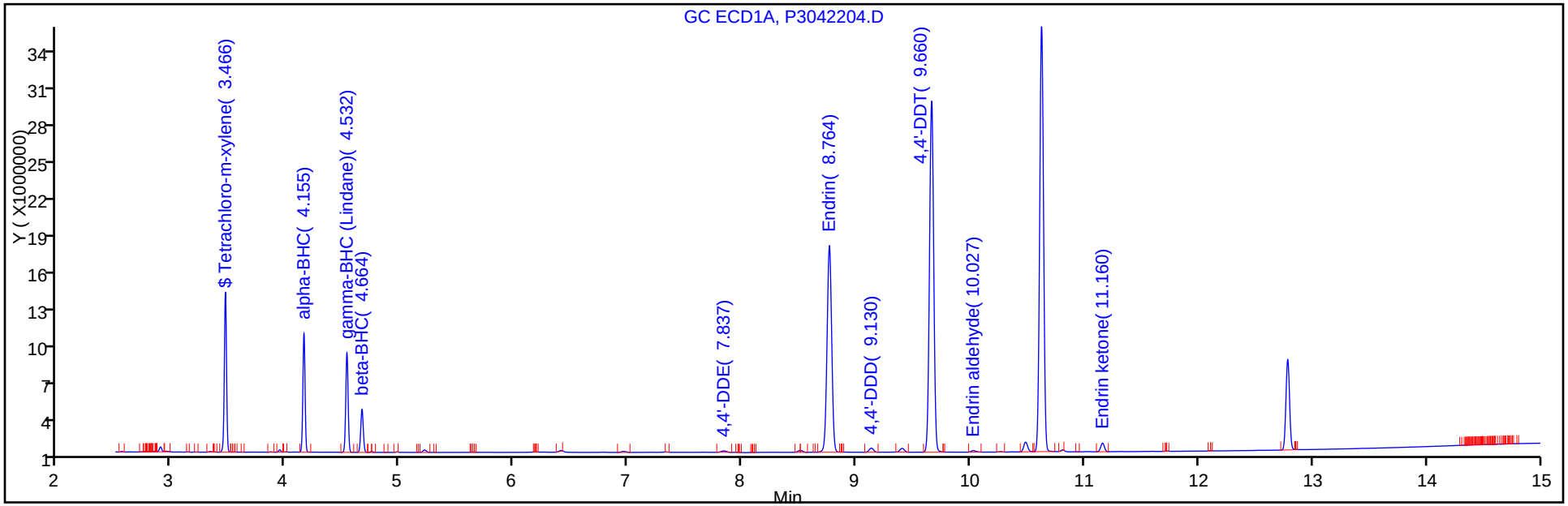
Report Date: 23-Apr-2013 11:40:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

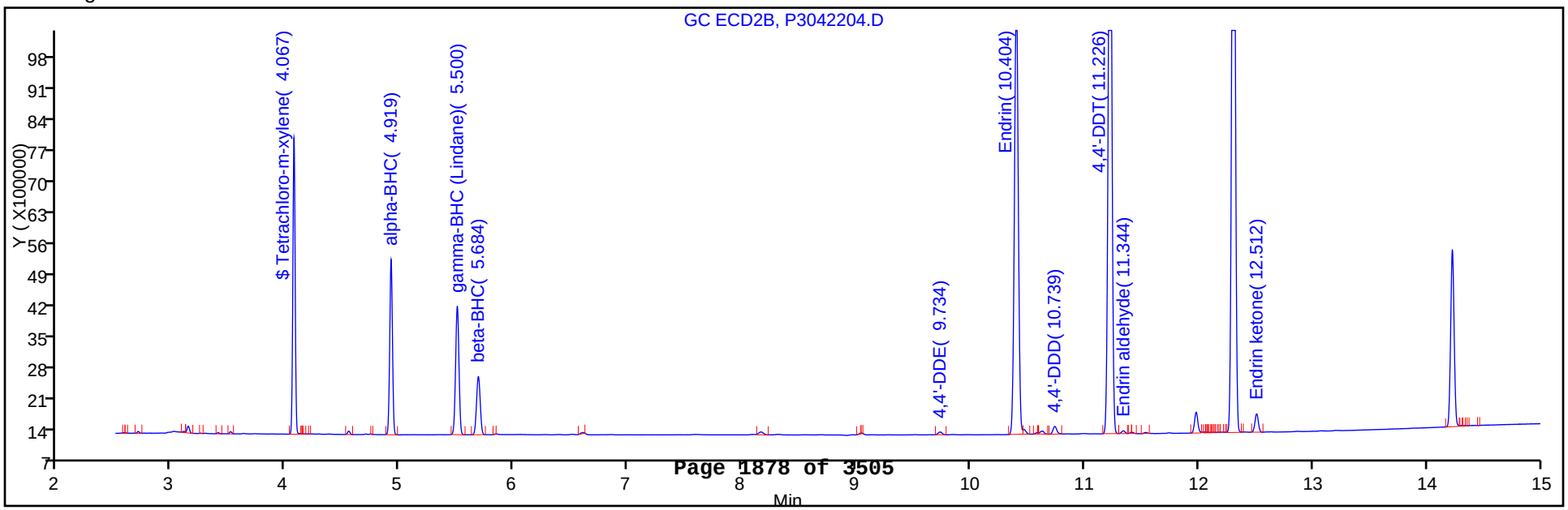
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Injection Date:	22-Apr-2013 18:32:10	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	4
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

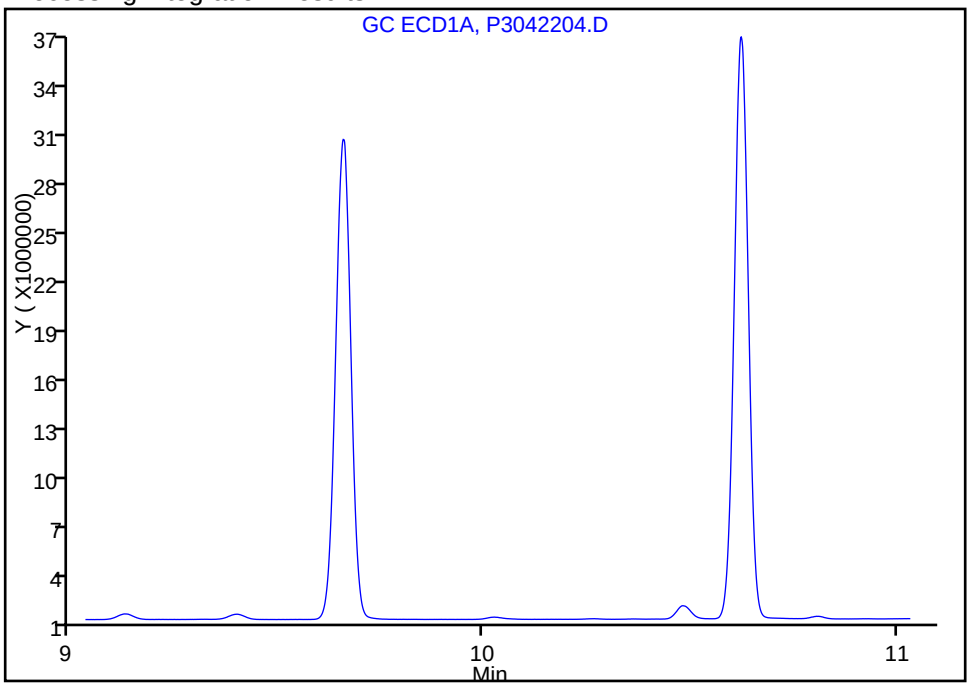
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042204.D		
Injection Date:	22-Apr-2013 18:32:10	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	4
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

18 Endrin aldehyde, Signal: 1, Type: quant, RT: 10.04, Det: GC ECD1A

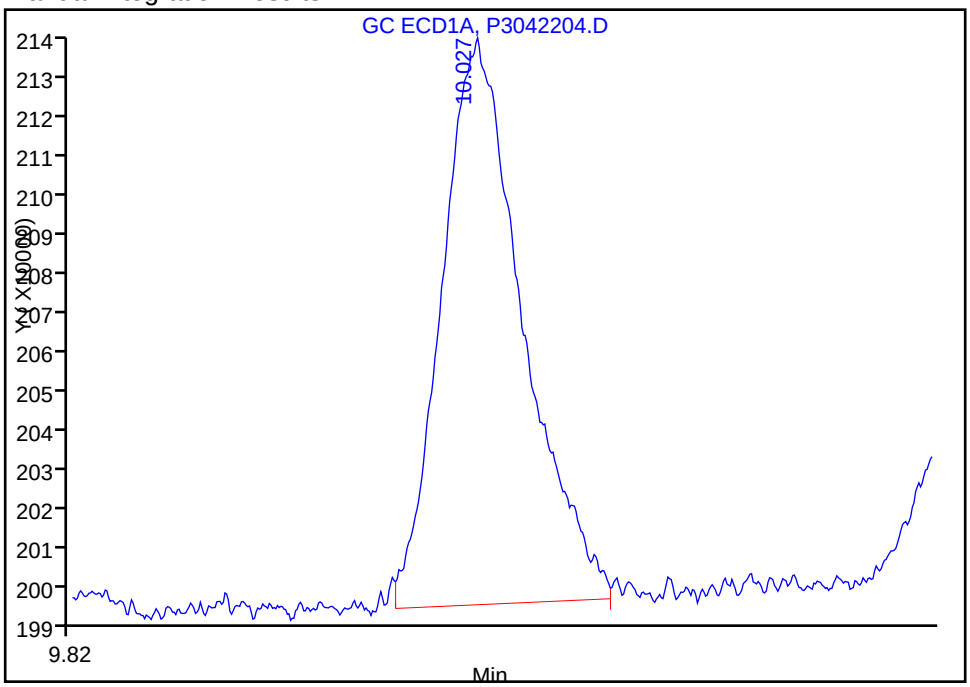
Not Detected
Expected RT: 10.04

Processing Integration Results



RT: 10.03
Response: 380862
Amount: 0.000591

Manual Integration Results



Reviewer: shockr, 23-Apr-2013 09:11:09
Audit Action: Assigned Compound ID
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: PEM 240-83061/4 Calibration Date: 04/22/2013 18:32

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042204.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.40	23347835	4.09	15	
Endrin aldehyde	11.34	135009			
Endrin ketone	12.51	859394			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.23	33053884	1.66	15	
4,4'-DDD	10.74	407096			
4,4'-DDE	9.73	151505			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042204.D
Lims ID: PEM Client ID:
Inject. Date: 22-Apr-2013 18:32:10 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0019145-004
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 83061 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 10:54:09 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr Date: 23-Apr-2013 09:11:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.466	3.471	-0.005	17363459	0.0197			
2	100	4.067	4.065	0.002	9384497	0.0195			
						RPD = 0.68			
5 alpha-BHC									
1	100	4.155	4.160	-0.005	12875409	0.009472			
2	100	4.919	4.918	0.001	6584708	0.009221			
						RPD = 2.69			
20 gamma-BHC (Lindane)									
1	100	4.532	4.538	-0.006	11668722	0.009655			
2	100	5.500	5.497	0.003	5982340	0.009544			
						RPD = 1.16			
7 beta-BHC									
1	100	4.664	4.671	-0.007	5424437	0.0104			
2	100	5.684	5.682	0.002	2962840	0.0106			
						RPD = 1.76			
2 4,4'-DDE									M
1	100	7.837	7.852	-0.015	348672	0.000360			
2	100	9.734	9.733	0.001	151505	0.000305			
						RPD = 16.54			
17 Endrin									
1	100	8.764	8.776	-0.012	46790372	0.0503			
2	100	10.404	10.403	0.001	23347835	0.0509			
						RPD = 1.13			
1 4,4'-DDD									
1	100	9.130	9.143	-0.013	890968	0.001191			
2	100	10.739	10.742	-0.003	407096	0.001168			
						RPD = 2.01			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.660	9.670	-0.010	72442013	0.1030			
2	100	11.226	11.224	0.002	33053884	0.1067			
						RPD = 3.53			
18 Endrin aldehyde									M
1	100	10.027	10.035	-0.008	380862	0.000591			7
2	100	11.344	11.339	0.005	135009	0.000418			7
						RPD = 34.40			
LOD = 0.000500									
27 Methoxychlor									E
1	100		10.634						
2	100		12.309						
19 Endrin ketone									
1	100	11.160	11.168	-0.008	1565886	0.001743			
2	100	12.512	12.510	0.002	859394	0.001999			
						RPD = 13.68			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

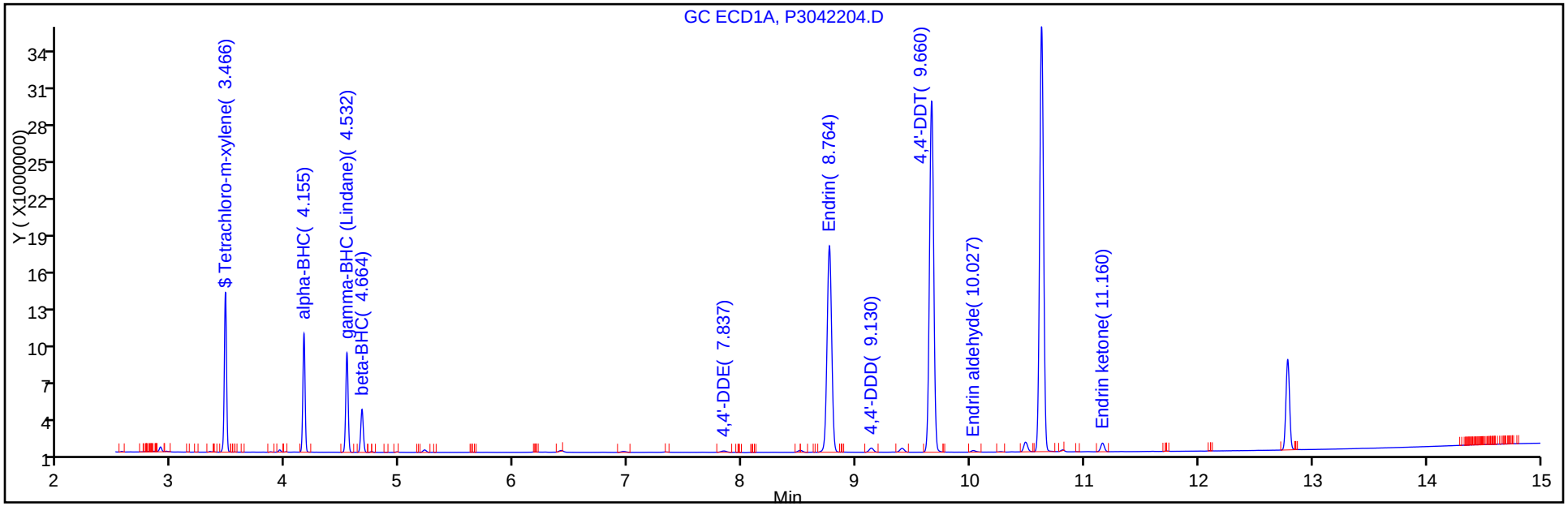
Report Date: 23-Apr-2013 11:40:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

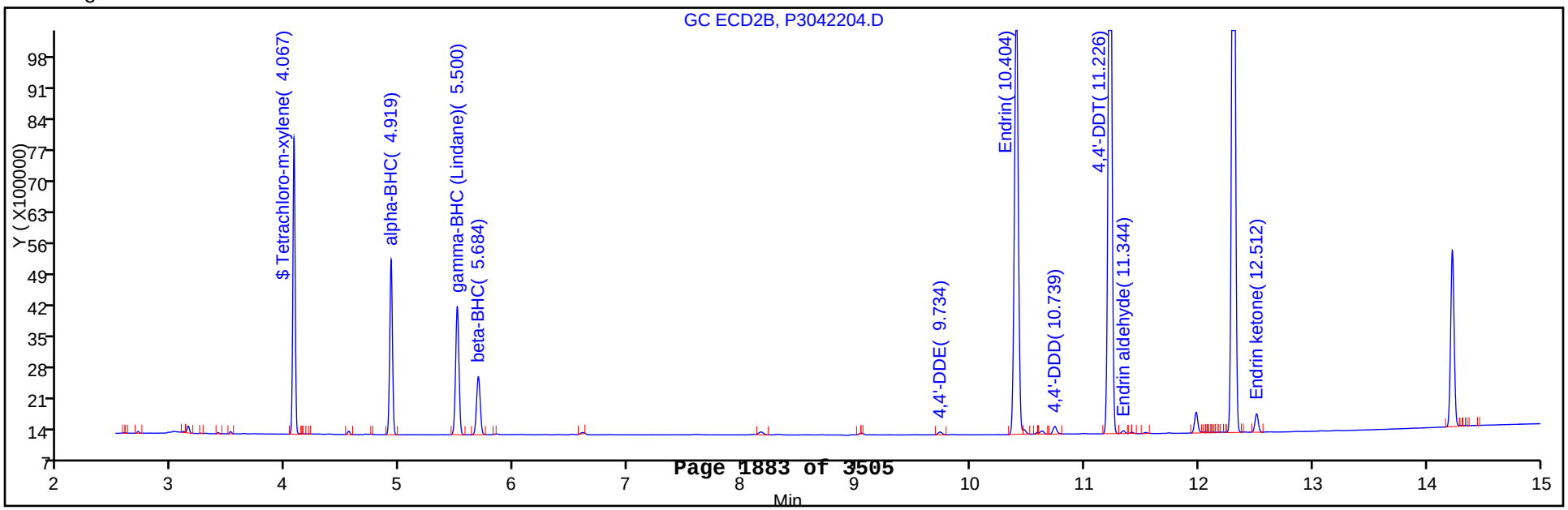
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042204.D

Injection Date:	22-Apr-2013 18:32:10	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	4
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

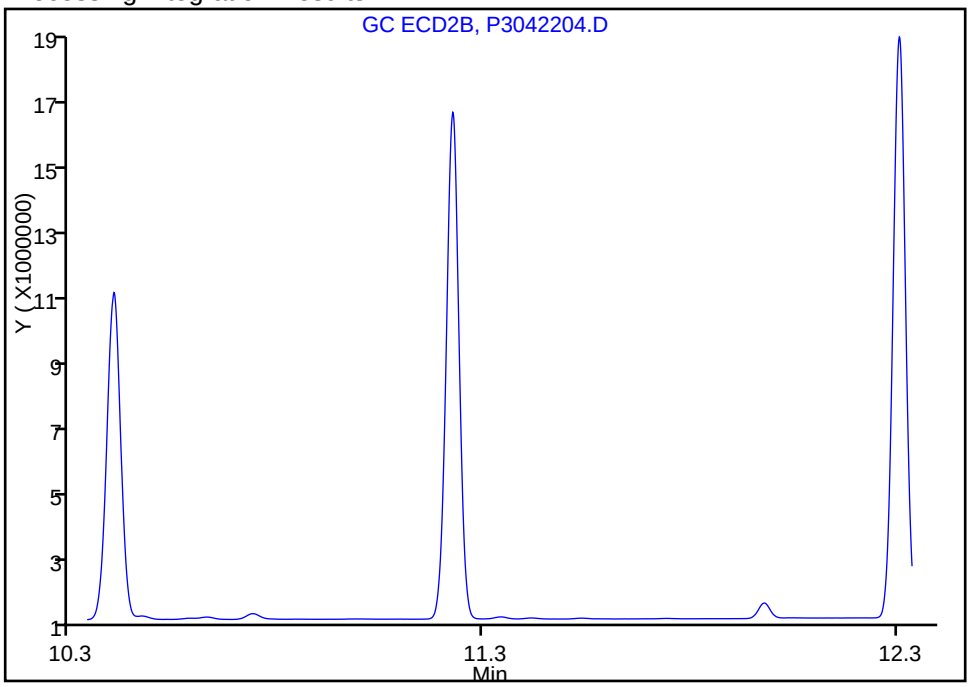
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042204.D		
Injection Date:	22-Apr-2013 18:32:10	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	4
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

18 Endrin aldehyde, Signal: 2, Type: quant, RT: 11.34, Det: GC ecd2b

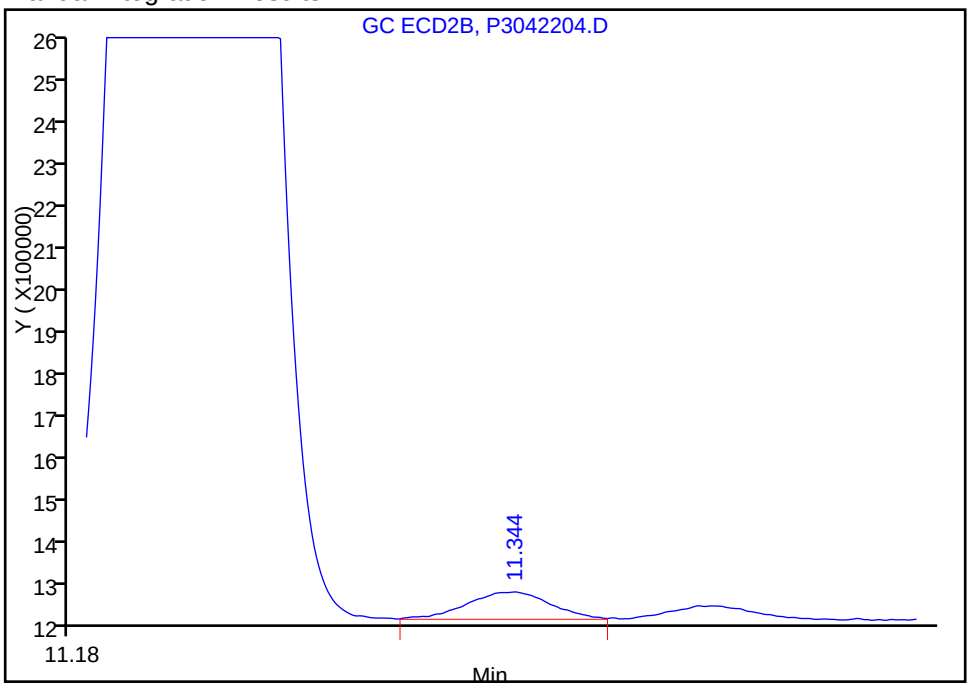
Processing Integration Results

Not Detected
Expected RT: 11.34



Manual Integration Results

RT: 11.34
Response: 135009
Amount: 0.000418



Reviewer: shockr, 23-Apr-2013 09:11:09
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: PEM 240-83400/27 Calibration Date: 04/24/2013 18:53

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042427.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.77	56996046	3.45	15	
Endrin aldehyde	10.03	504270			
Endrin ketone	11.16	1532772			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.67	86527860	5.68	15	
4,4'-DDD	9.14	4516040			
4,4'-DDE	7.84	694338			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042427.D
Lims ID: PEM Client ID:
Inject. Date: 24-Apr-2013 18:53:12 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0019209-027
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 83400 Lims Sample ID: 27
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
Last Update: 25-Apr-2013 07:51:26 Calib Date: 23-Apr-2013 17:41:50
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: shockr Date: 25-Apr-2013 07:15:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	21100846	0.0239			
2	100	4.065	4.064	0.001	11345290	0.0236			
						RPD = 1.20			
5 alpha-BHC									
1	100	4.160	4.159	0.001	15461712	0.0114			
2	100	4.915	4.915	0.000	7867642	0.0110			
						RPD = 3.20			
20 gamma-BHC (Lindane)									
1	100	4.537	4.537	0.000	13667253	0.0113			
2	100	5.493	5.494	-0.001	7020217	0.0112			
						RPD = 0.97			
7 beta-BHC									
1	100	4.669	4.669	0.000	6238051	0.0120			
2	100	5.678	5.679	-0.001	3383496	0.0121			
						RPD = 1.06			
2 4,4'-DDE									
1	100	7.844	7.850	-0.006	694338	0.000717			
2	100	9.722	9.727	-0.005	206423	0.000415			
						RPD = 53.22			
17 Endrin									
1	100	8.769	8.771	-0.002	56996046	0.0613			
2	100	10.396	10.396	0.000	28592771	0.0623			
						RPD = 1.66			
1 4,4'-DDD									
1	100	9.137	9.139	-0.002	4516040	0.006038			
2	100	10.731	10.736	-0.005	2259668	0.006481			
						RPD = 7.08			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.665	9.668	-0.003	86527860	0.1230			
2	100	11.216	11.217	-0.001	39362370	0.1271			
						RPD = 3.23			
18 Endrin aldehyde									M
1	100	10.033	10.030	0.003	504270	0.000783			7
2	100	11.334	11.333	0.001	128571	0.000398			7
						RPD = 65.23			
LOD = 0.000500									
27 Methoxychlor									E
1	100		10.630						
2	100		12.299						
19 Endrin ketone									
1	100	11.162	11.165	-0.003	1532772	0.001706			
2	100	12.501	12.501	0.000	937611	0.002181			
						RPD = 24.42			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

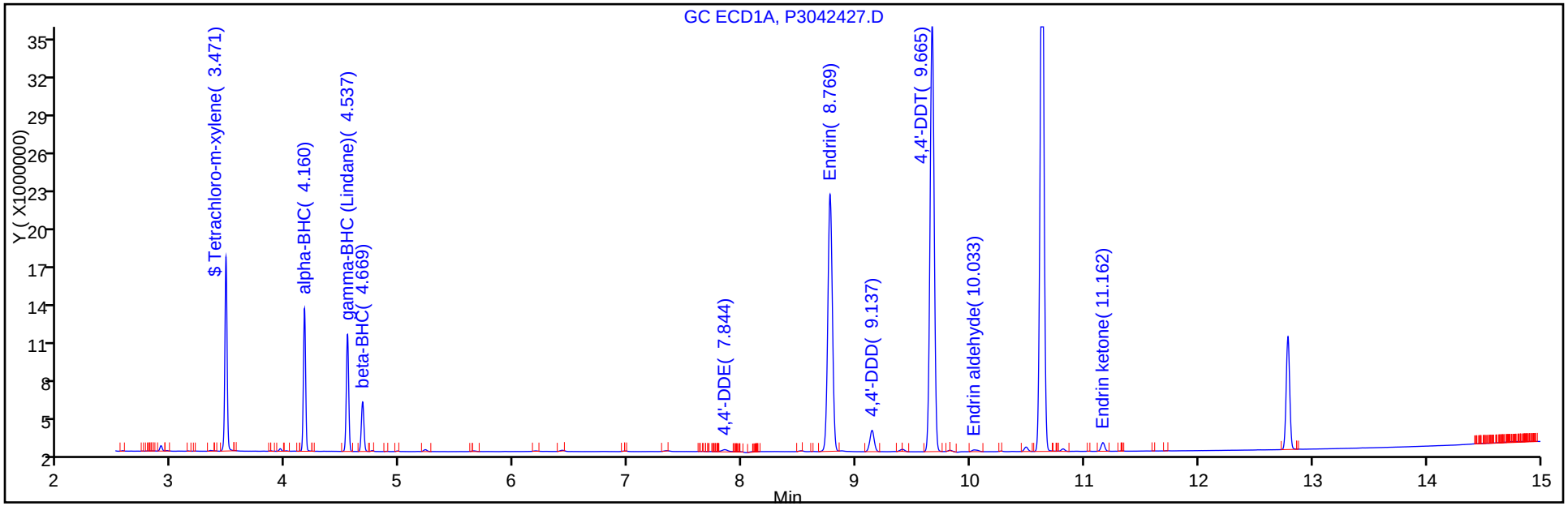
Report Date: 25-Apr-2013 07:51:34 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

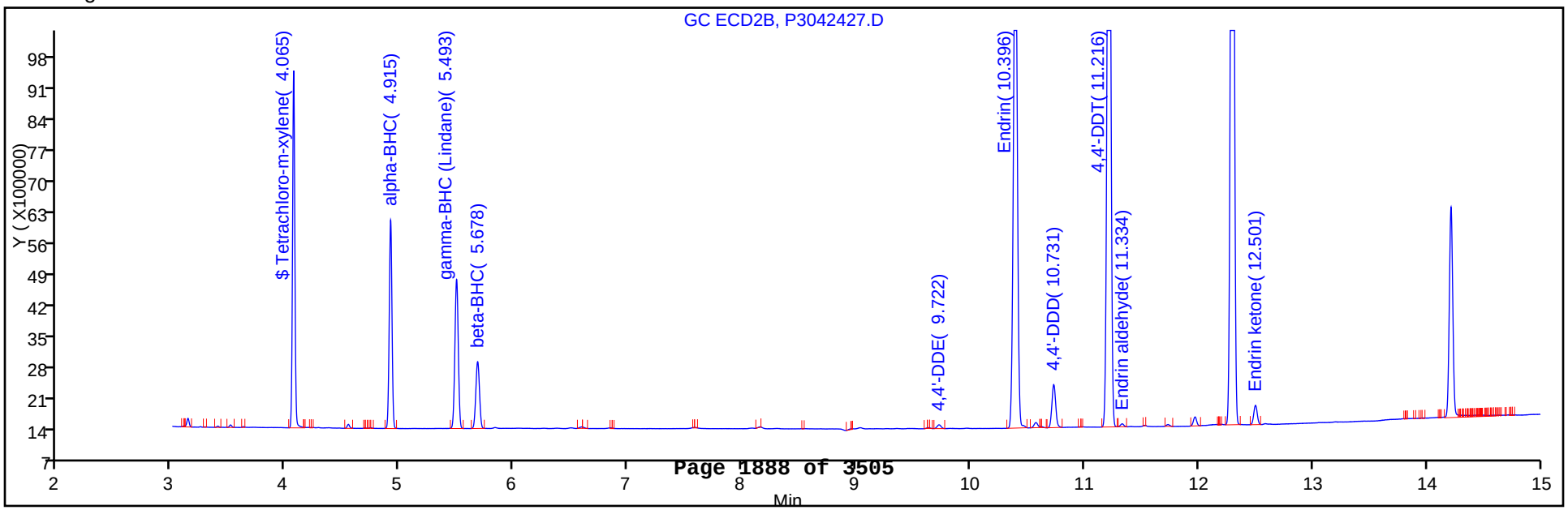
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042427.D

Injection Date:	24-Apr-2013 18:53:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	27
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: PEM 240-83400/27 Calibration Date: 04/24/2013 18:53

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042427.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.40	28592771	3.59	15	
Endrin aldehyde	11.33	128571			
Endrin ketone	12.50	937611			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.22	39362370	5.90	15	
4,4'-DDD	10.73	2259668			
4,4'-DDE	9.72	206423			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042427.D
Lims ID: PEM Client ID:
Inject. Date: 24-Apr-2013 18:53:12 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0019209-027
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 83400 Lims Sample ID: 27
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
Last Update: 25-Apr-2013 07:51:26 Calib Date: 23-Apr-2013 17:41:50
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: shockr Date: 25-Apr-2013 07:15:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	21100846	0.0239			
2	100	4.065	4.064	0.001	11345290	0.0236			
						RPD = 1.20			
5 alpha-BHC									
1	100	4.160	4.159	0.001	15461712	0.0114			
2	100	4.915	4.915	0.000	7867642	0.0110			
						RPD = 3.20			
20 gamma-BHC (Lindane)									
1	100	4.537	4.537	0.000	13667253	0.0113			
2	100	5.493	5.494	-0.001	7020217	0.0112			
						RPD = 0.97			
7 beta-BHC									
1	100	4.669	4.669	0.000	6238051	0.0120			
2	100	5.678	5.679	-0.001	3383496	0.0121			
						RPD = 1.06			
2 4,4'-DDE									
1	100	7.844	7.850	-0.006	694338	0.000717			
2	100	9.722	9.727	-0.005	206423	0.000415			
						RPD = 53.22			
17 Endrin									
1	100	8.769	8.771	-0.002	56996046	0.0613			
2	100	10.396	10.396	0.000	28592771	0.0623			
						RPD = 1.66			
1 4,4'-DDD									
1	100	9.137	9.139	-0.002	4516040	0.006038			
2	100	10.731	10.736	-0.005	2259668	0.006481			
						RPD = 7.08			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.665	9.668	-0.003	86527860	0.1230			
2	100	11.216	11.217	-0.001	39362370	0.1271			
						RPD = 3.23			
18 Endrin aldehyde									M
1	100	10.033	10.030	0.003	504270	0.000783			7
2	100	11.334	11.333	0.001	128571	0.000398			7
						RPD = 65.23			
LOD = 0.000500									
27 Methoxychlor									E
1	100		10.630						
2	100		12.299						
19 Endrin ketone									
1	100	11.162	11.165	-0.003	1532772	0.001706			
2	100	12.501	12.501	0.000	937611	0.002181			
						RPD = 24.42			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

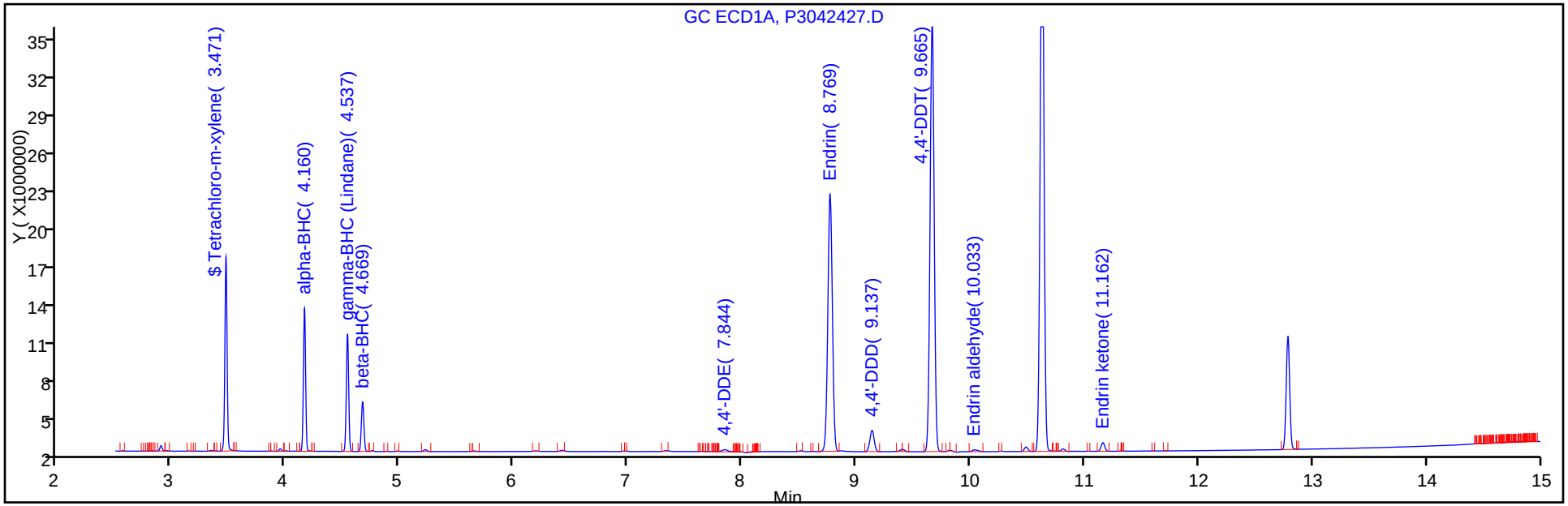
Report Date: 25-Apr-2013 07:51:34 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

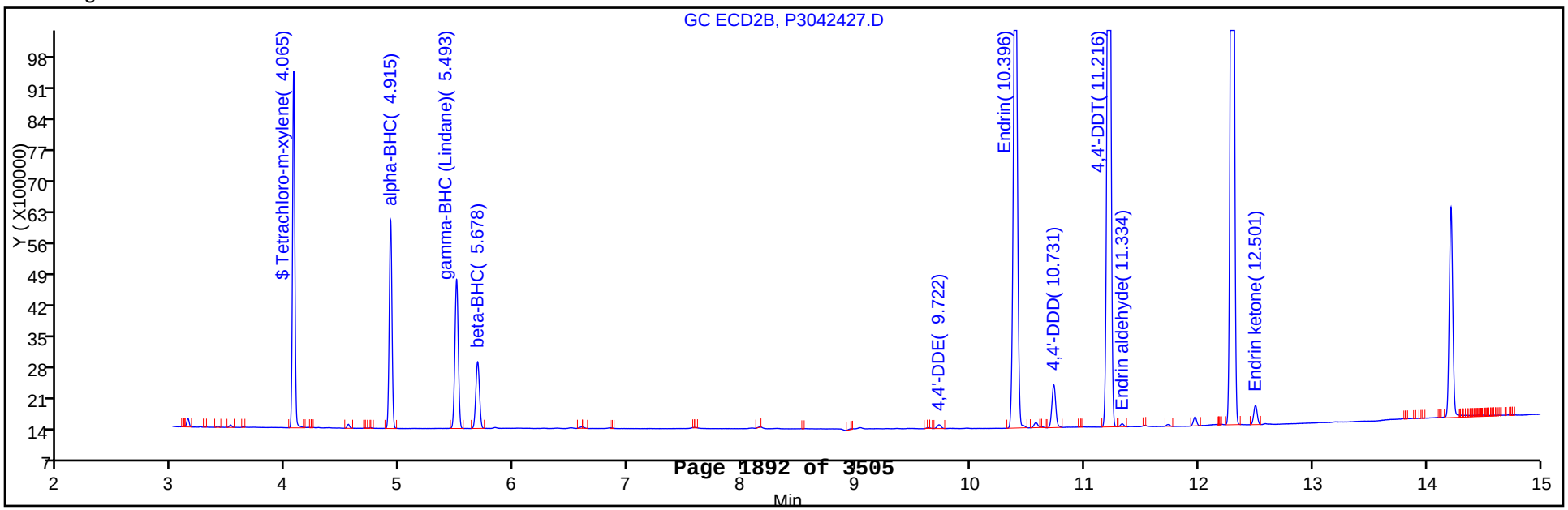
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Injection Date:	24-Apr-2013 18:53:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	27
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-78295/19 Calibration Date: 03/14/2013 16:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3031419.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1657587240		0.0255	0.0250	2.1	20.0
gamma-BHC (Lindane)	Ave	1455203462	1481817360		0.0255	0.0250	1.8	20.0
beta-BHC	Ave	618486639	622075960		0.0251	0.0250	0.6	20.0
delta-BHC	Ave	1480196914	1511043880		0.0255	0.0250	2.1	20.0
Heptachlor	Ave	1288059053	1306268120		0.0254	0.0250	1.4	20.0
Aldrin	Ave	1359987606	1402096240		0.0258	0.0250	3.1	20.0
Heptachlor epoxide	Ave	1229987574	1235797240		0.0251	0.0250	0.5	20.0
gamma-Chlordane	Ave	1263492565	1263679720		0.0250	0.0250	0.0	20.0
alpha-Chlordane	Ave	1289702829	1260713000		0.0244	0.0250	-2.2	20.0
Endosulfan I	Ave	1152636801	1161963920		0.0252	0.0250	0.8	20.0
4,4'-DDE	Ave	1266505227	1264201160		0.0250	0.0250	-0.2	20.0
Dieldrin	Ave	1268423751	1270559640		0.0250	0.0250	0.2	20.0
Endrin	Ave	1189138903	1165252080		0.0245	0.0250	-2.0	20.0
4,4'-DDD	Ave	970323691	966925320		0.0249	0.0250	-0.4	20.0
Endosulfan II	Ave	1094573989	1088347480		0.0249	0.0250	-0.6	20.0
4,4'-DDT	Ave	922210777	935210280		0.0254	0.0250	1.4	20.0
Endrin aldehyde	Ave	880698493	871829840		0.0247	0.0250	-1.0	20.0
Methoxychlor	Ave	461419504	466384360		0.0253	0.0250	1.1	20.0
Endosulfan sulfate	Ave	981061458	986783840		0.0251	0.0250	0.6	20.0
Endrin ketone	Ave	1144648217	1116671120		0.0244	0.0250	-2.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-78295/19 Calibration Date: 03/14/2013 16:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3031419.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.26	4.23	4.29
gamma-BHC (Lindane)	4.64	4.61	4.67
beta-BHC	4.78	4.75	4.81
delta-BHC	5.00	4.97	5.03
Heptachlor	5.29	5.26	5.32
Aldrin	5.76	5.73	5.79
Heptachlor epoxide	7.04	7.01	7.07
gamma-Chlordane	7.35	7.33	7.39
alpha-Chlordane	7.70	7.67	7.73
Endosulfan I	7.97	7.94	8.00
4,4'-DDE	8.06	8.03	8.09
Dieldrin	8.52	8.49	8.55
Endrin	8.97	8.94	9.00
4,4'-DDD	9.32	9.29	9.35
Endosulfan II	9.41	9.38	9.44
4,4'-DDT	9.84	9.81	9.87
Endrin aldehyde	10.20	10.17	10.23
Methoxychlor	10.78	10.75	10.81
Endosulfan sulfate	10.92	10.90	10.96
Endrin ketone	11.32	11.29	11.35

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031419.D
Lims ID: ICV Client ID:
Inject. Date: 14-Mar-2013 16:20:26 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017984-019
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 78295 Lims Sample ID: 19
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:39 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.255	4.255	0.000	41439681	0.0255			
2	100	5.068	5.068	0.000	19171424	0.0249			
						RPD = 2.46			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	37045434	0.0255			
2	100	5.688	5.688	0.000	16712092	0.0247			
						RPD = 3.09			
7 beta-BHC									
1	100	4.777	4.777	0.000	15551899	0.0251			
2	100	5.883	5.883	0.000	7375532	0.0249			
						RPD = 0.81			
11 delta-BHC									
1	100	4.998	4.999	-0.001	37776097	0.0255			
2	100	6.507	6.508	-0.001	17185298	0.0247			
						RPD = 3.25			
22 Heptachlor									
1	100	5.293	5.293	0.000	32656703	0.0254			
2	100	6.579	6.580	-0.001	14171302	0.0243			
						RPD = 4.21			
4 Aldrin									
1	100	5.761	5.761	0.000	35052406	0.0258			
2	100	7.381	7.382	-0.001	16713132	0.0251			
						RPD = 2.68			
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	30894931	0.0251			
2	100	8.820	8.821	-0.001	14386509	0.0247			
						RPD = 1.48			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	31591993	0.0250			
2	100	9.210	9.210	0.000	14442979	0.0246			
						RPD = 1.54			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	31517825	0.0244			
2	100	9.512	9.511	0.001	14616654	0.0239			
						RPD = 2.02			
14 Endosulfan I									
1	100	7.967	7.965	0.002	29049098	0.0252			
2	100	9.578	9.578	0.000	13055420	0.0246			
						RPD = 2.54			
2 4,4'-DDE									
1	100	8.058	8.060	-0.002	31605029	0.0250			
2	100	9.940	9.940	0.000	14935409	0.0245			
						RPD = 1.88			
13 Dieldrin									
1	100	8.516	8.517	-0.001	31763991	0.0250			
2	100	10.092	10.092	0.000	14573820	0.0245			
						RPD = 2.11			
17 Endrin									
1	100	8.967	8.966	0.001	29131302	0.0245			
2	100	10.607	10.608	-0.001	12970695	0.0242			
						RPD = 1.19			
1 4,4'-DDD									
1	100	9.320	9.318	0.002	24173133	0.0249			
2	100	10.931	10.930	0.001	10526065	0.0246			
						RPD = 1.18			
15 Endosulfan II									
1	100	9.412	9.411	0.001	27208687	0.0249			
2	100	10.975	10.975	0.000	11765233	0.0242			
						RPD = 2.54			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	23380257	0.0254			
2	100	11.412	11.410	0.002	9853382	0.0249			
						RPD = 1.76			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	21795746	0.0247			
2	100	11.532	11.532	0.000	9579162	0.0242			
						RPD = 2.05			
27 Methoxychlor									
1	100	10.782	10.780	0.002	11659609	0.0253			
2	100	12.487	12.487	0.000	4975273	0.0249			
						RPD = 1.32			
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	24669596	0.0251			
2	100	11.949	11.948	0.001	10968685	0.0248			
						RPD = 1.37			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.322	11.322	0.000	27916778	0.0244			
2	100	12.699	12.699	0.000	11934924	0.0238			
						RPD = 2.46			

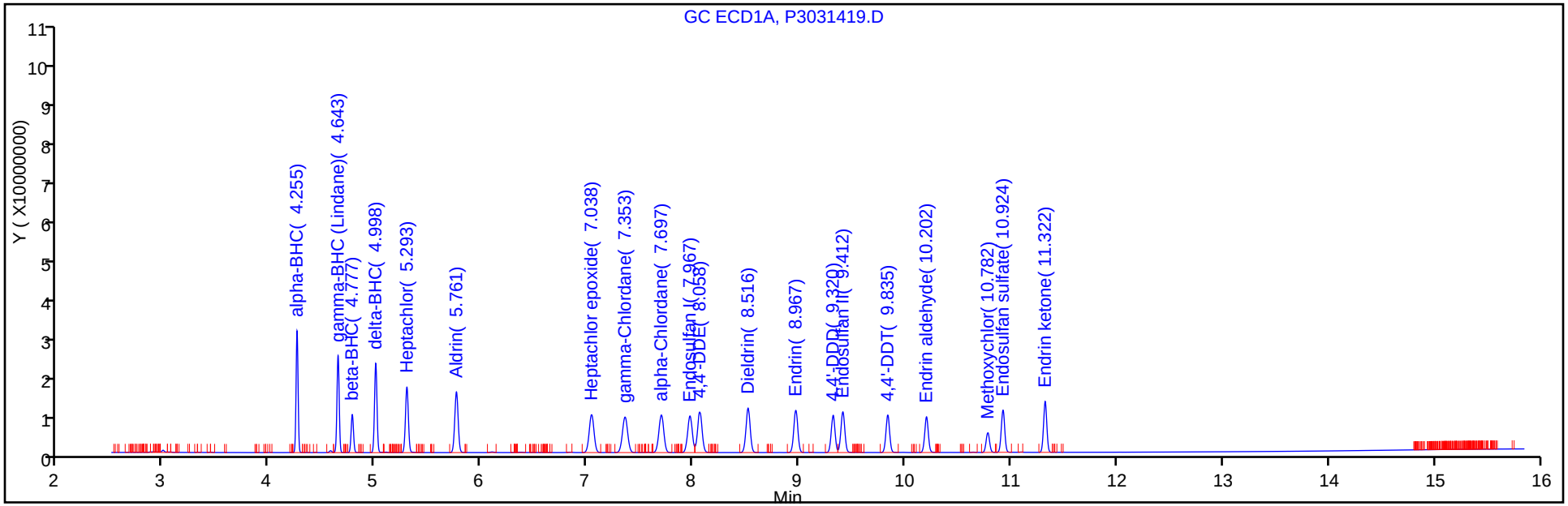
Report Date: 15-Mar-2013 07:54:42 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

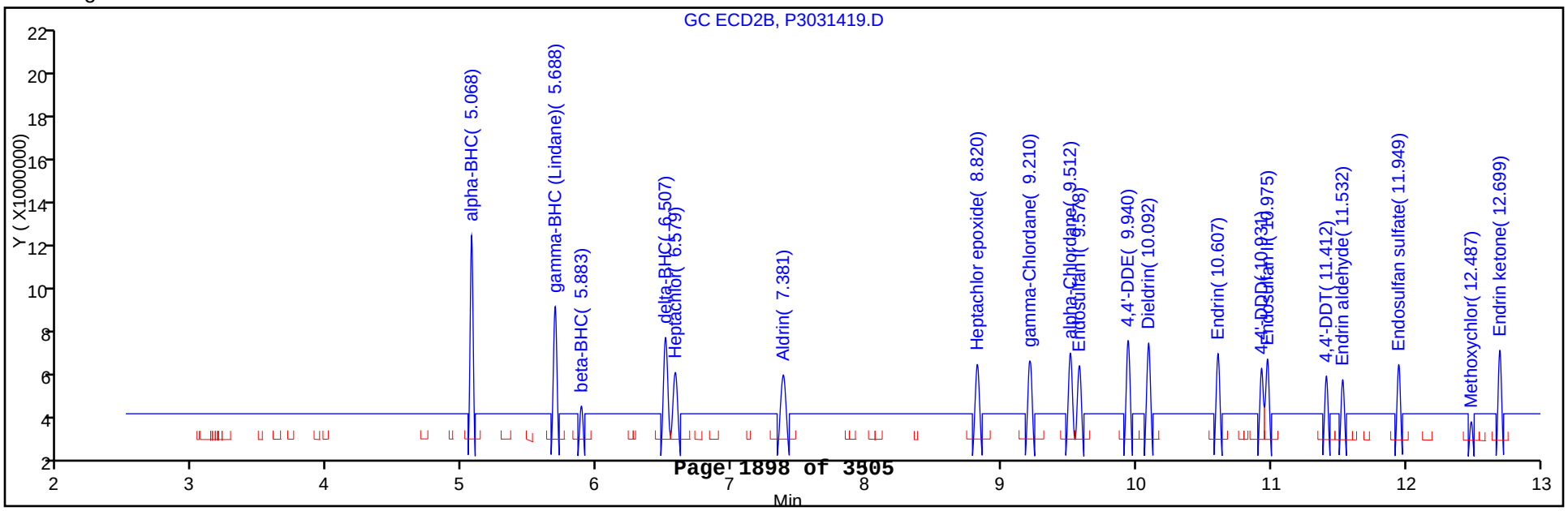
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Injection Date:	14-Mar-2013 16:20:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	19
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-78295/19 Calibration Date: 03/14/2013 16:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3031419.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	766856960		0.0249	0.0250	-0.4	20.0
gamma-BHC (Lindane)	Ave	677058072	668483680		0.0247	0.0250	-1.3	20.0
beta-BHC	Ave	295707343	295021280		0.0249	0.0250	-0.2	20.0
delta-BHC	Ave	695621800	687411920		0.0247	0.0250	-1.2	20.0
Heptachlor	Ave	582970513	566852080		0.0243	0.0250	-2.8	20.0
Aldrin	Ave	666083583	668525280		0.0251	0.0250	0.4	20.0
Heptachlor epoxide	Ave	581320598	575460360		0.0247	0.0250	-1.0	20.0
gamma-Chlordane	Ave	586604093	577719160		0.0246	0.0250	-1.5	20.0
alpha-Chlordane	Ave	610326008	584666160		0.0239	0.0250	-4.2	20.0
Endosulfan I	Ave	531325762	522216800		0.0246	0.0250	-1.7	20.0
4,4'-DDE	Ave	609850598	597416360		0.0245	0.0250	-2.0	20.0
Dieldrin	Ave	594383876	582952800		0.0245	0.0250	-1.9	20.0
Endrin	Ave	535793583	518827800		0.0242	0.0250	-3.2	20.0
4,4'-DDD	Ave	427546511	421042600		0.0246	0.0250	-1.5	20.0
Endosulfan II	Ave	485472127	470609320		0.0242	0.0250	-3.1	20.0
4,4'-DDT	Ave	395546624	394135280		0.0249	0.0250	-0.4	20.0
Endrin aldehyde	Ave	395073591	383166480		0.0242	0.0250	-3.0	20.0
Endosulfan sulfate	Ave	442236050	438747400		0.0248	0.0250	-0.8	20.0
Methoxychlor	Ave	199518519	199010920		0.0249	0.0250	-0.3	20.0
Endrin ketone	Ave	501538938	477396960		0.0238	0.0250	-4.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-78295/19 Calibration Date: 03/14/2013 16:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3031419.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.07	5.04	5.10
gamma-BHC (Lindane)	5.69	5.66	5.72
beta-BHC	5.88	5.85	5.91
delta-BHC	6.51	6.48	6.54
Heptachlor	6.58	6.55	6.61
Aldrin	7.38	7.35	7.41
Heptachlor epoxide	8.82	8.79	8.85
gamma-Chlordane	9.21	9.18	9.24
alpha-Chlordane	9.51	9.48	9.54
Endosulfan I	9.58	9.55	9.61
4,4'-DDE	9.94	9.91	9.97
Dieldrin	10.09	10.06	10.12
Endrin	10.61	10.58	10.64
4,4'-DDD	10.93	10.90	10.96
Endosulfan II	10.98	10.95	11.01
4,4'-DDT	11.41	11.38	11.44
Endrin aldehyde	11.53	11.50	11.56
Endosulfan sulfate	11.95	11.92	11.98
Methoxychlor	12.49	12.46	12.52
Endrin ketone	12.70	12.67	12.73

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031419.D
Lims ID: ICV Client ID:
Inject. Date: 14-Mar-2013 16:20:26 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017984-019
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 78295 Lims Sample ID: 19
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:39 Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK032

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.255	4.255	0.000	41439681	0.0255			
2	100	5.068	5.068	0.000	19171424	0.0249			
						RPD = 2.46			
20 gamma-BHC (Lindane)									
1	100	4.643	4.643	0.000	37045434	0.0255			
2	100	5.688	5.688	0.000	16712092	0.0247			
						RPD = 3.09			
7 beta-BHC									
1	100	4.777	4.777	0.000	15551899	0.0251			
2	100	5.883	5.883	0.000	7375532	0.0249			
						RPD = 0.81			
11 delta-BHC									
1	100	4.998	4.999	-0.001	37776097	0.0255			
2	100	6.507	6.508	-0.001	17185298	0.0247			
						RPD = 3.25			
22 Heptachlor									
1	100	5.293	5.293	0.000	32656703	0.0254			
2	100	6.579	6.580	-0.001	14171302	0.0243			
						RPD = 4.21			
4 Aldrin									
1	100	5.761	5.761	0.000	35052406	0.0258			
2	100	7.381	7.382	-0.001	16713132	0.0251			
						RPD = 2.68			
23 Heptachlor epoxide									
1	100	7.038	7.039	-0.001	30894931	0.0251			
2	100	8.820	8.821	-0.001	14386509	0.0247			
						RPD = 1.48			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.353	7.355	-0.002	31591993	0.0250			
2	100	9.210	9.210	0.000	14442979	0.0246			
						RPD = 1.54			
6 alpha-Chlordane									
1	100	7.697	7.695	0.002	31517825	0.0244			
2	100	9.512	9.511	0.001	14616654	0.0239			
						RPD = 2.02			
14 Endosulfan I									
1	100	7.967	7.965	0.002	29049098	0.0252			
2	100	9.578	9.578	0.000	13055420	0.0246			
						RPD = 2.54			
2 4,4'-DDE									
1	100	8.058	8.060	-0.002	31605029	0.0250			
2	100	9.940	9.940	0.000	14935409	0.0245			
						RPD = 1.88			
13 Dieldrin									
1	100	8.516	8.517	-0.001	31763991	0.0250			
2	100	10.092	10.092	0.000	14573820	0.0245			
						RPD = 2.11			
17 Endrin									
1	100	8.967	8.966	0.001	29131302	0.0245			
2	100	10.607	10.608	-0.001	12970695	0.0242			
						RPD = 1.19			
1 4,4'-DDD									
1	100	9.320	9.318	0.002	24173133	0.0249			
2	100	10.931	10.930	0.001	10526065	0.0246			
						RPD = 1.18			
15 Endosulfan II									
1	100	9.412	9.411	0.001	27208687	0.0249			
2	100	10.975	10.975	0.000	11765233	0.0242			
						RPD = 2.54			
3 4,4'-DDT									
1	100	9.835	9.835	0.000	23380257	0.0254			
2	100	11.412	11.410	0.002	9853382	0.0249			
						RPD = 1.76			
18 Endrin aldehyde									
1	100	10.202	10.201	0.001	21795746	0.0247			
2	100	11.532	11.532	0.000	9579162	0.0242			
						RPD = 2.05			
27 Methoxychlor									
1	100	10.782	10.780	0.002	11659609	0.0253			
2	100	12.487	12.487	0.000	4975273	0.0249			
						RPD = 1.32			
16 Endosulfan sulfate									
1	100	10.924	10.925	-0.001	24669596	0.0251			
2	100	11.949	11.948	0.001	10968685	0.0248			
						RPD = 1.37			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.322	11.322	0.000	27916778	0.0244			
2	100	12.699	12.699	0.000	11934924	0.0238			
						RPD = 2.46			

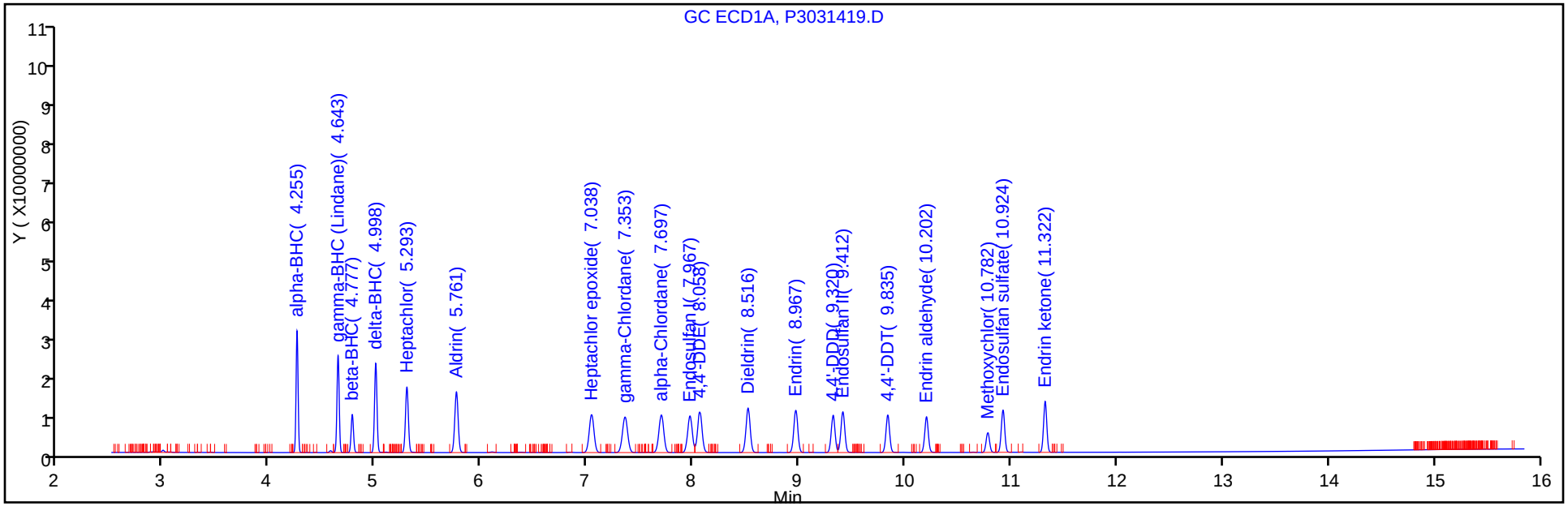
Report Date: 15-Mar-2013 07:54:42 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

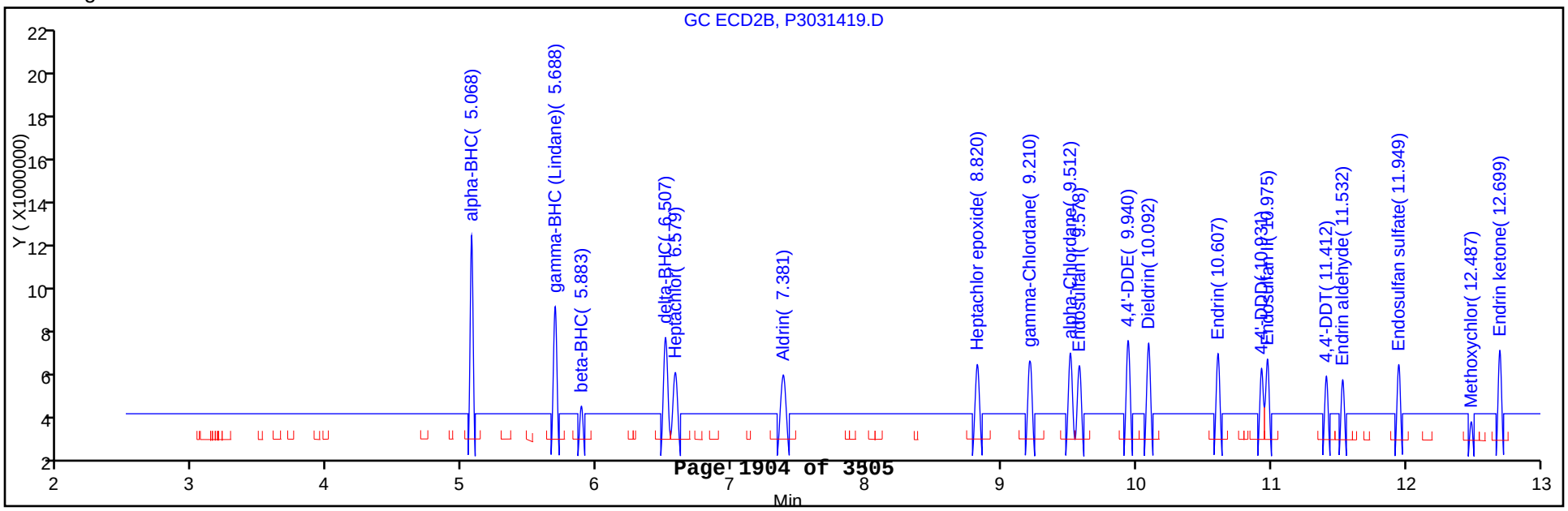
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Injection Date:	14-Mar-2013 16:20:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	19
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-78295/25 Calibration Date: 03/14/2013 18:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3031425.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	60802538		1.24	1.00	24.2*	20.0
Toxaphene Peak 2	Ave	49795684	56394244		1.13	1.00	13.3	20.0
Toxaphene Peak 3	Ave	41014572	58762037		1.43	1.00	43.3*	20.0
Toxaphene Peak 4	Ave	31176774	48676390		1.56	1.00	56.1*	20.0
Toxaphene Peak 5	Ave	26157631	41188374		1.57	1.00	57.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-78295/25 Calibration Date: 03/14/2013 18:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3031425.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.39	10.36	10.42
Toxaphene Peak 2	10.73	10.70	10.76
Toxaphene Peak 3	10.88	10.85	10.91
Toxaphene Peak 4	11.29	11.26	11.32
Toxaphene Peak 5	11.56	11.53	11.59

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D
Lims ID: ICV
Client ID:
Inject. Date: 14-Mar-2013 18:20:24
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017984-025
Misc. Info.:
Operator: 402582
Instrument ID: A2HP3
Injection Vol: 1.0 ul
ALS Bottle#: 25
Lims Batch ID: 78295
Lims Sample ID: 25
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:49
Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr
Date: 15-Mar-2013 07:29:46

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.386	10.386	0.000	60802538	1.24		100.0	M
1	2	10.729	10.729	0.000	56394244	1.13	81.1- 121.1	92.7	M
1	3	10.880	10.879	0.001	58762037	1.43	65.0- 105.0	96.6	M
1	4	11.292	11.292	0.000	48676390	1.56	43.1- 83.1	80.1	M
1	5	11.562	11.560	0.002	41188374	1.57	32.5- 72.5	67.7	M
			Average of Peak Amounts =			1.39			
2	100	10.528	10.532	-0.004	15650408	0.9270		100.0	M
2	2	11.115	11.117	-0.002	14476115	0.6722	108.3- 148.3	92.5	M
2	3	11.536	11.535	0.001	16561763	0.6363	134.7- 174.7	105.8	M
2	4	12.836	12.278	0.558	20209953	0.6667	157.2- 197.2	129.1	M
2	5	13.118	12.837	0.281	21049372	1.72	51.7- 91.7	134.5	M
			Average of Peak Amounts =			0.9249			
						RPD = 40.09			

QC Flag Legend

Review Flags
M - Manually Integrated

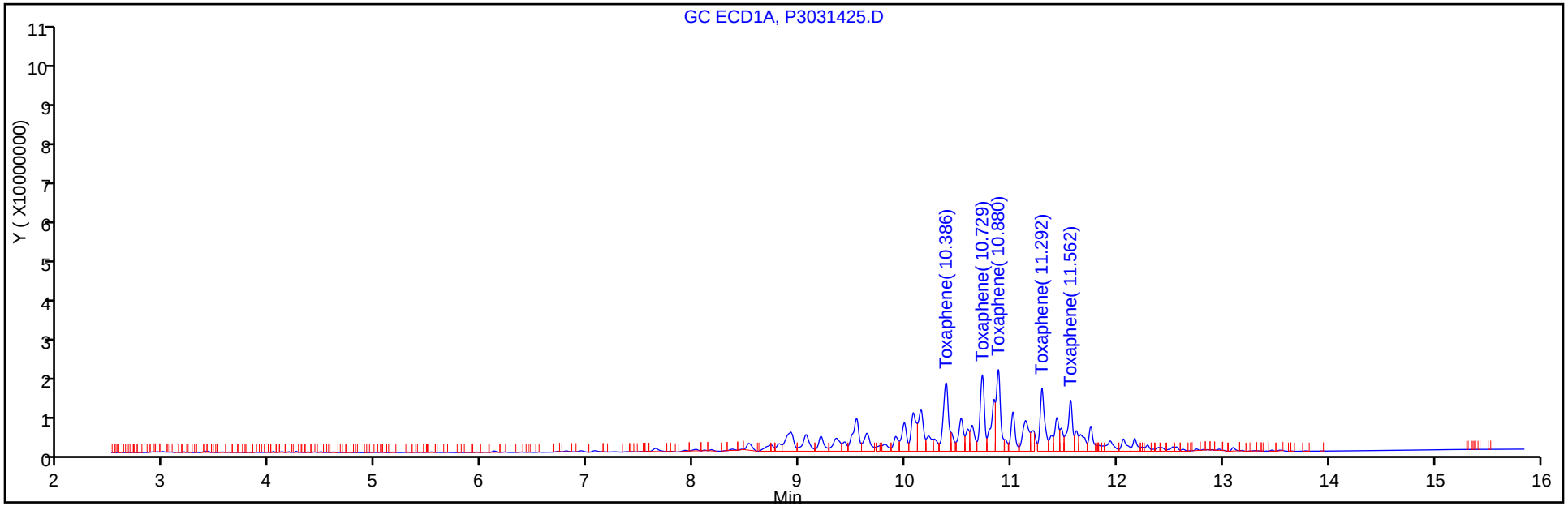
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TestAmerica Canton

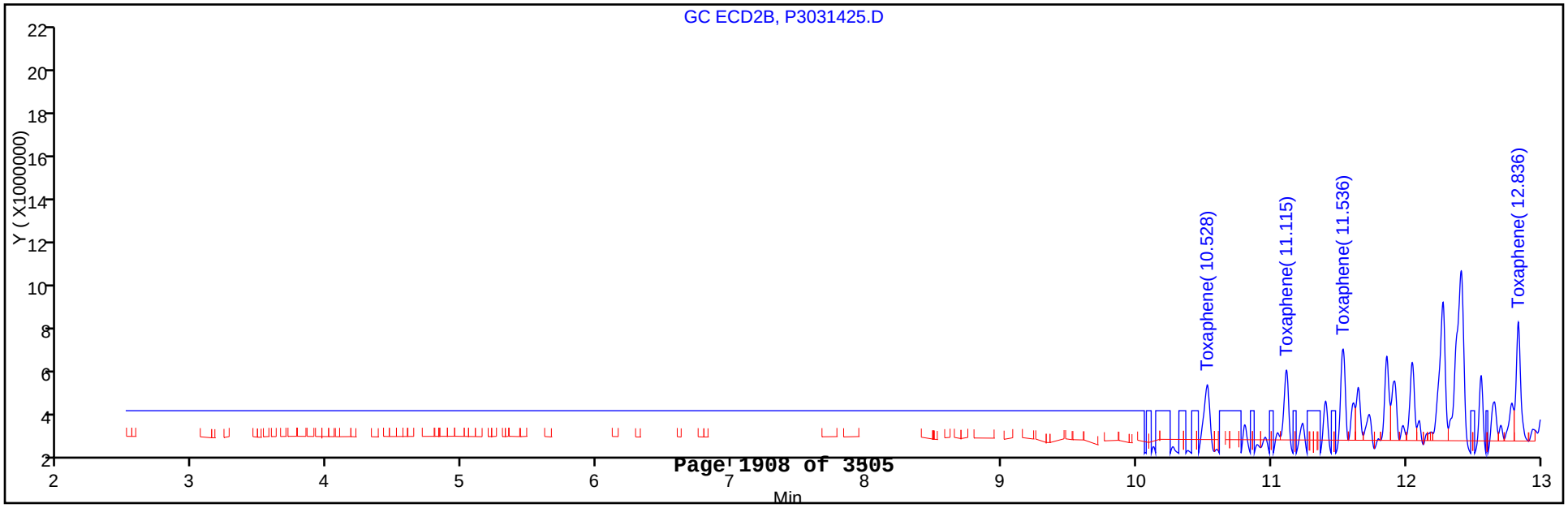
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Injection Date:	14-Mar-2013 18:20:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	25
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



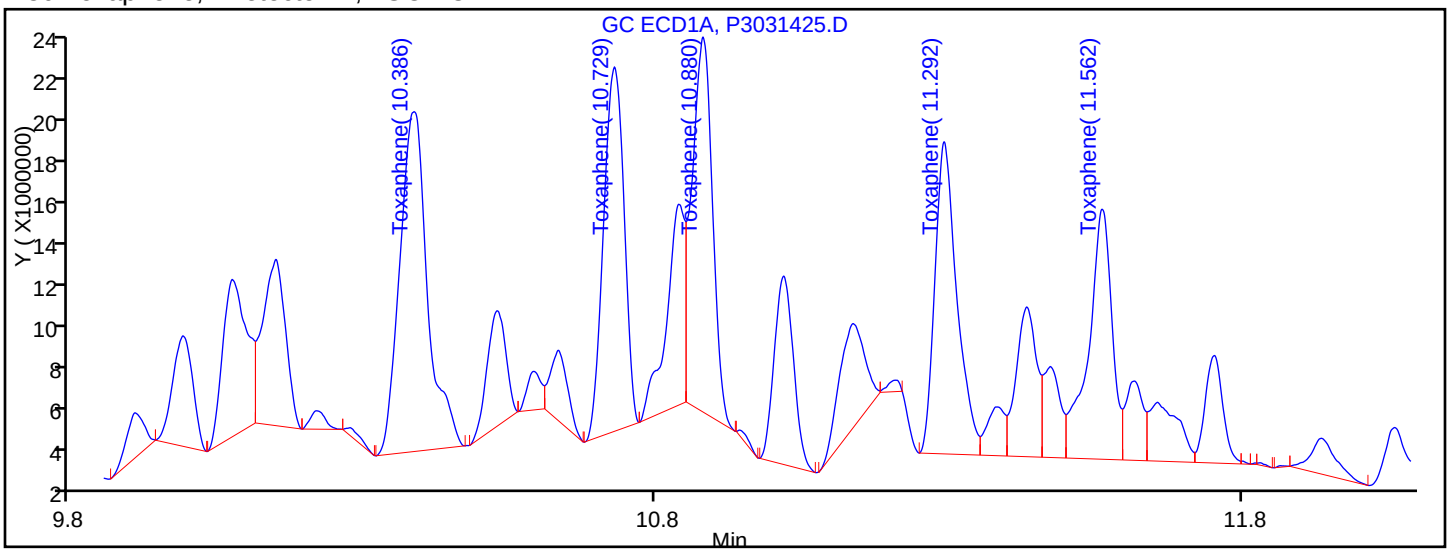
Report Date: 15-Mar-2013 07:54:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D

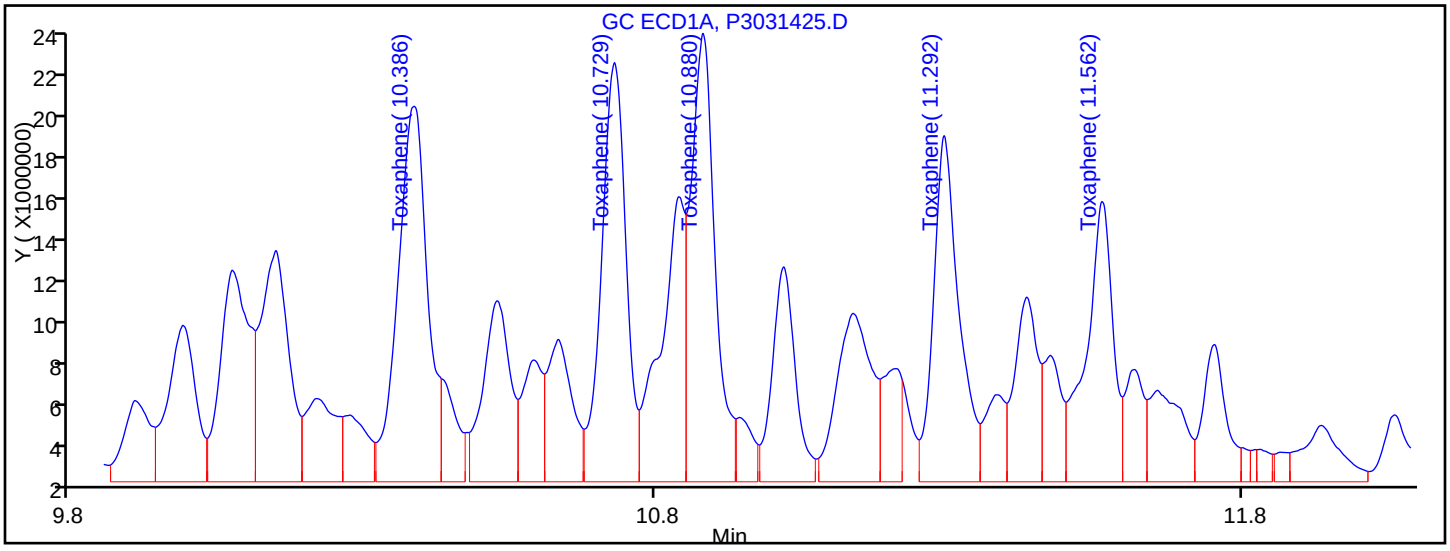
Injection Date:	14-Mar-2013 18:20:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	25
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.386	Response = 50641286	M
RT = 10.729	Response = 40186783	M
RT = 10.880	Response = 40717571	M
RT = 11.292	Response = 36881446	M
RT = 11.562	Response = 31520528	M



Manual Integration Results

RT = 10.386	Response = 60802538	M
RT = 10.729	Response = 56394244	M
RT = 10.880	Response = 58762037	M
RT = 11.292	Response = 48676390	M
RT = 11.562	Response = 41188374	M

Reviewer: shockr, 15-Mar-2013 07:29:46

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-78295/25 Calibration Date: 03/14/2013 18:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3031425.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	15650408		0.927	1.00	-7.3	20.0
Toxaphene Peak 2	Ave	21534081	14476115		0.672	1.00	-32.8*	20.0
Toxaphene Peak 3	Ave	26029451	16561763		0.636	1.00	-36.4*	20.0
Toxaphene Peak 4	Ave	30315481	20209953		0.667	1.00	-33.3*	20.0
Toxaphene Peak 5	Ave	12222975	21049372		1.72	1.00	72.2*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-78295/25 Calibration Date: 03/14/2013 18:20

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3031425.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.53	10.50	10.56
Toxaphene Peak 2	11.12	11.09	11.15
Toxaphene Peak 3	11.54	11.51	11.57
Toxaphene Peak 4	12.84	12.25	12.31
Toxaphene Peak 5	13.12	12.81	12.87

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D
Lims ID: ICV
Client ID:
Inject. Date: 14-Mar-2013 18:20:24
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017984-025
Misc. Info.:
Operator: 402582
Instrument ID: A2HP3
Injection Vol: 1.0 ul
ALS Bottle#: 25
Lims Batch ID: 78295
Lims Sample ID: 25
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130314-17984.b\PEST3.m
Last Update: 15-Mar-2013 07:54:49
Calib Date: 14-Mar-2013 20:00:25
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031430.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK032

First Level Reviewer: shockr
Date: 15-Mar-2013 07:29:46

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.386	10.386	0.000	60802538	1.24		100.0	M
1	2	10.729	10.729	0.000	56394244	1.13	81.1- 121.1	92.7	M
1	3	10.880	10.879	0.001	58762037	1.43	65.0- 105.0	96.6	M
1	4	11.292	11.292	0.000	48676390	1.56	43.1- 83.1	80.1	M
1	5	11.562	11.560	0.002	41188374	1.57	32.5- 72.5	67.7	M
			Average of Peak Amounts =			1.39			
2	100	10.528	10.532	-0.004	15650408	0.9270		100.0	M
2	2	11.115	11.117	-0.002	14476115	0.6722	108.3- 148.3	92.5	M
2	3	11.536	11.535	0.001	16561763	0.6363	134.7- 174.7	105.8	M
2	4	12.836	12.278	0.558	20209953	0.6667	157.2- 197.2	129.1	M
2	5	13.118	12.837	0.281	21049372	1.72	51.7- 91.7	134.5	M
			Average of Peak Amounts =			0.9249			
						RPD = 40.09			

QC Flag Legend

Review Flags
M - Manually Integrated

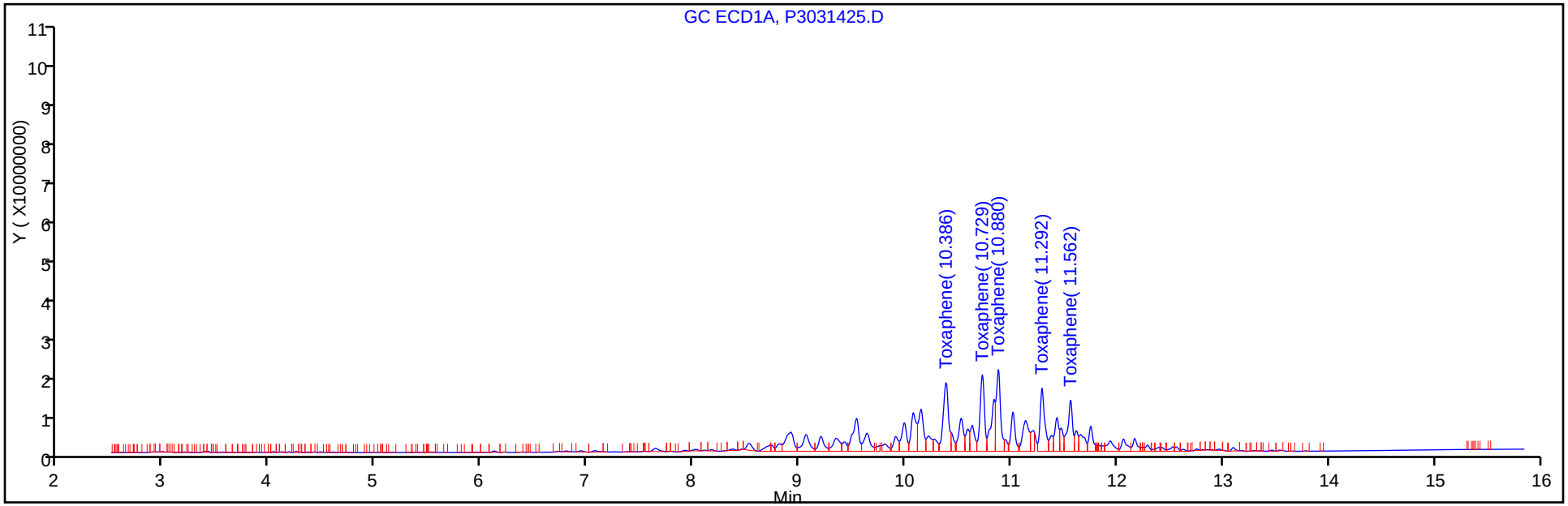
Report Date: 15-Mar-2013 07:54:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

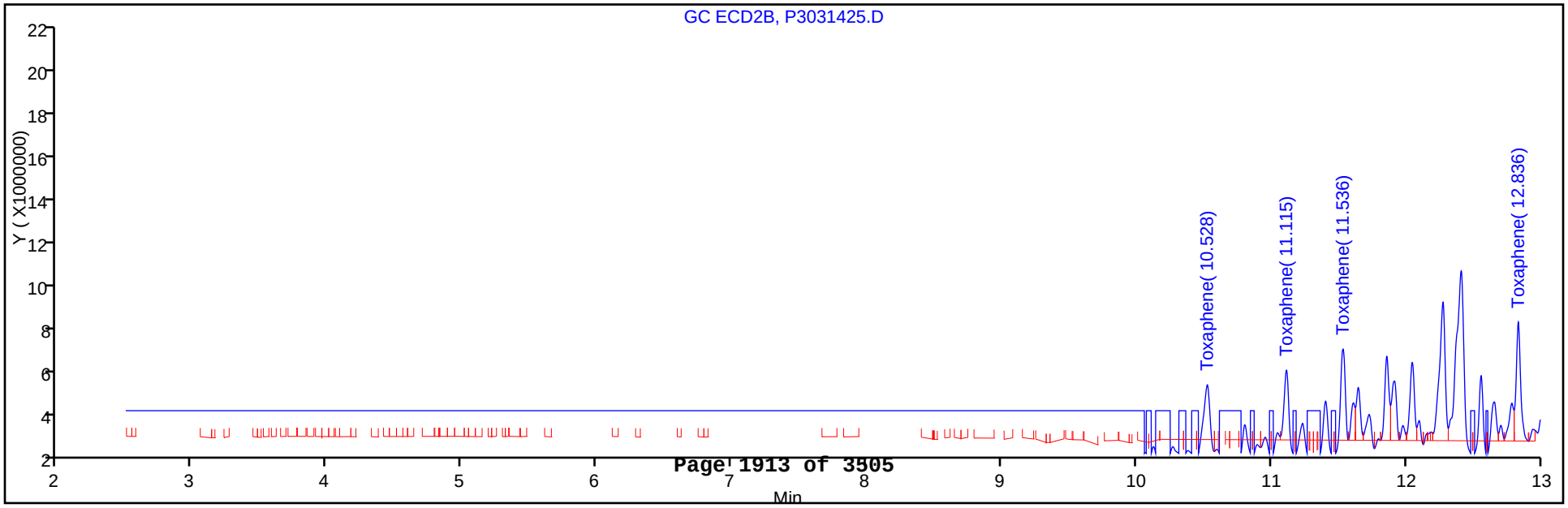
Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D

Injection Date:	14-Mar-2013 18:20:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	25
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



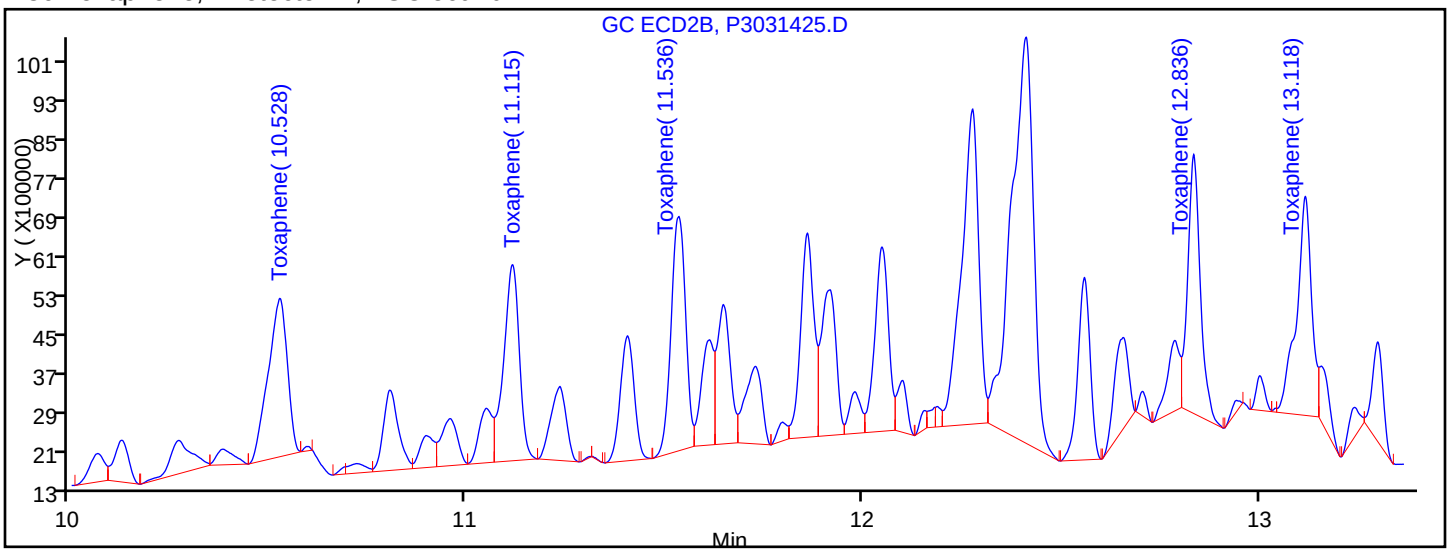
Report Date: 15-Mar-2013 07:54:53 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130314-17984.b\P3031425.D

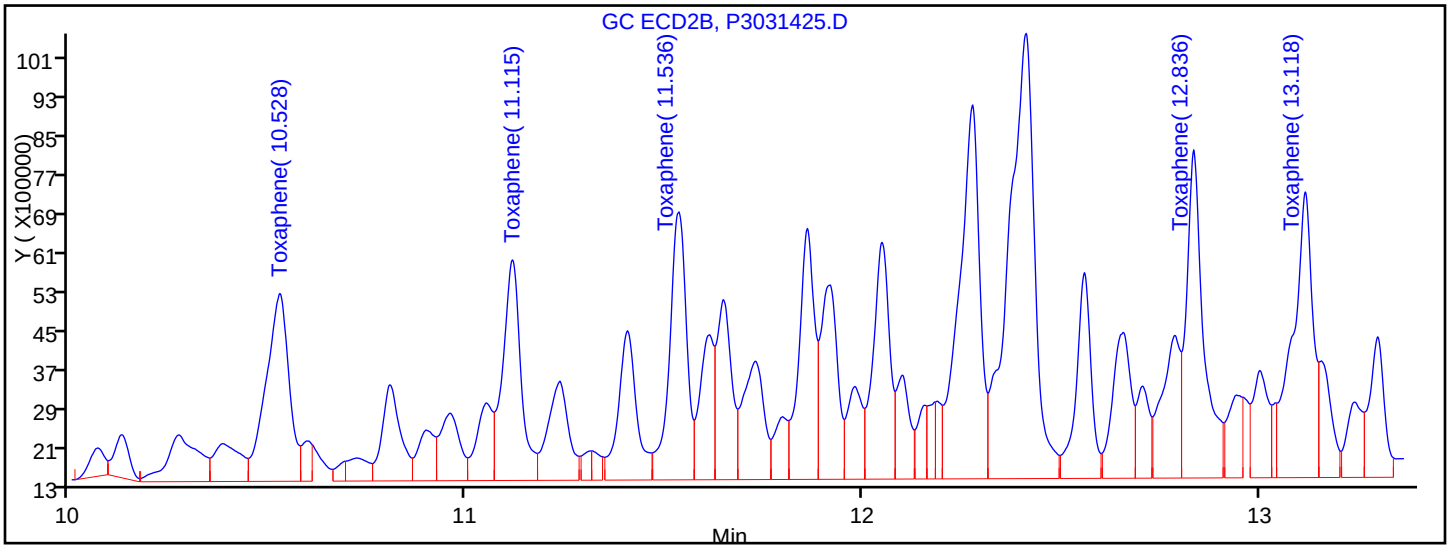
Injection Date:	14-Mar-2013 18:20:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	78295	Lims Sample ID:	25
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.528	Response = 10952045	M
RT = 11.115	Response = 11039703	M
RT = 11.536	Response = 12277980	M
RT = 12.836	Response = 11715269	M
RT = 13.118	Response = 12039318	M



Manual Integration Results

RT = 10.528	Response = 15650408	M
RT = 11.115	Response = 14476115	M
RT = 11.536	Response = 16561763	M
RT = 12.836	Response = 20209953	M
RT = 13.118	Response = 21049372	M

Reviewer: shockr, 15-Mar-2013 07:29:46

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/5 Calibration Date: 04/19/2013 11:45

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3041905.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1710432880		0.0263	0.0250	5.3	20.0
gamma-BHC (Lindane)	Ave	1455203462	1557592920		0.0268	0.0250	7.0	20.0
beta-BHC	Ave	618486639	646157000		0.0261	0.0250	4.5	20.0
delta-BHC	Ave	1480196914	1592216360		0.0269	0.0250	7.6	20.0
Heptachlor	Ave	1288059053	1527618400		0.0296	0.0250	18.6	20.0
Aldrin	Ave	1359987606	1391907640		0.0256	0.0250	2.3	20.0
Heptachlor epoxide	Ave	1229987574	1311092160		0.0266	0.0250	6.6	20.0
gamma-Chlordane	Ave	1263492565	1319228280		0.0261	0.0250	4.4	20.0
alpha-Chlordane	Ave	1289702829	1348261760		0.0261	0.0250	4.5	20.0
Endosulfan I	Ave	1152636801	1237048000		0.0268	0.0250	7.3	20.0
4,4'-DDE	Ave	1266505227	1279961600		0.0253	0.0250	1.1	20.0
Dieldrin	Ave	1268423751	1335944480		0.0263	0.0250	5.3	20.0
Endrin	Ave	1189138903	1310268240		0.0275	0.0250	10.2	20.0
4,4'-DDD	Ave	970323691	1043693080		0.0269	0.0250	7.6	20.0
Endosulfan II	Ave	1094573989	1168053280		0.0267	0.0250	6.7	20.0
4,4'-DDT	Ave	922210777	1149029840		0.0311	0.0250	24.6*	20.0
Endrin aldehyde	Ave	880698493	961289880		0.0273	0.0250	9.2	20.0
Methoxychlor	Ave	461419504	621568320		0.0337	0.0250	34.7*	20.0
Endosulfan sulfate	Ave	981061458	1053723480		0.0269	0.0250	7.4	20.0
Endrin ketone	Ave	1144648217	1281083600		0.0280	0.0250	11.9	20.0
Tetrachloro-m-xylene	Ave	1100163513	1057860280		0.0240	0.0250	-3.8	20.0
DCB Decachlorobiphenyl	Ave	960238458	983896200		0.0256	0.0250	2.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/5 Calibration Date: 04/19/2013 11:45

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3041905.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.18	4.15	4.21
gamma-BHC (Lindane)	4.56	4.53	4.59
beta-BHC	4.70	4.67	4.73
delta-BHC	4.91	4.88	4.94
Heptachlor	5.19	5.16	5.22
Aldrin	5.64	5.61	5.67
Heptachlor epoxide	6.87	6.84	6.90
gamma-Chlordane	7.17	7.14	7.20
alpha-Chlordane	7.52	7.49	7.55
Endosulfan I	7.80	7.77	7.83
4,4'-DDE	7.90	7.87	7.93
Dieldrin	8.36	8.33	8.39
Endrin	8.82	8.79	8.85
4,4'-DDD	9.18	9.15	9.21
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.71	9.68	9.74
Endrin aldehyde	10.07	10.04	10.10
Methoxychlor	10.67	10.64	10.70
Endosulfan sulfate	10.80	10.77	10.83
Endrin ketone	11.20	11.17	11.23
Tetrachloro-m-xylene	3.49	3.46	3.52
DCB Decachlorobiphenyl	12.82	12.79	12.85

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041905.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 19-Apr-2013 11:45:41 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0019054-005
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 82685 Lims Sample ID: 5
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
Last Update: 20-Apr-2013 07:39:31 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.490	3.490	0.000	26446507	0.0240			
2	100	4.092	4.092	0.000	13909802	0.0230			
						RPD = 4.28			
5 alpha-BHC									
1	100	4.181	4.181	0.000	42760822	0.0263			
2	100	4.949	4.949	0.000	22154592	0.0288			
						RPD = 8.85			
20 gamma-BHC (Lindane)									
1	100	4.561	4.561	0.000	38939823	0.0268			
2	100	5.533	5.533	0.000	19991447	0.0295			
						RPD = 9.84			
7 beta-BHC									
1	100	4.695	4.695	0.000	16153925	0.0261			
2	100	5.719	5.719	0.000	8577539	0.0290			
						RPD = 10.48			
11 delta-BHC									
1	100	4.910	4.910	0.000	39805409	0.0269			
2	100	6.304	6.304	0.000	20651155	0.0297			
						RPD = 9.88			
22 Heptachlor									
1	100	5.194	5.194	0.000	38190460	0.0296			
2	100	6.366	6.366	0.000	18054069	0.0310			
						RPD = 4.35			
4 Aldrin									
1	100	5.644	5.644	0.000	34797691	0.0256			
2	100	7.115	7.115	0.000	18068806	0.0271			
						RPD = 5.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.870	6.870	0.000	32777304	0.0266			
2	100	8.607	8.607	0.000	16679565	0.0287			
						RPD = 7.39			
21 gamma-Chlordane									
1	100	7.172	7.172	0.000	32980707	0.0261			
2	100	9.012	9.012	0.000	16664294	0.0284			
						RPD = 8.46			
6 alpha-Chlordane									
1	100	7.520	7.520	0.000	33706544	0.0261			
2	100	9.322	9.322	0.000	16899337	0.0277			
						RPD = 5.77			
14 Endosulfan I									
1	100	7.795	7.795	0.000	30926200	0.0268			
2	100	9.388	9.388	0.000	15422996	0.0290			
						RPD = 7.86			
2 4,4'-DDE									
1	100	7.897	7.897	0.000	31999040	0.0253			
2	100	9.766	9.766	0.000	15906933	0.0261			
						RPD = 3.18			
13 Dieldrin									
1	100	8.357	8.357	0.000	33398612	0.0263			
2	100	9.914	9.914	0.000	16486603	0.0277			
						RPD = 5.20			
17 Endrin									
1	100	8.816	8.816	0.000	32756706	0.0275			
2	100	10.435	10.435	0.000	15989334	0.0298			
						RPD = 8.00			
1 4,4'-DDD									
1	100	9.182	9.182	0.000	26092327	0.0269			
2	100	10.775	10.775	0.000	12492150	0.0292			
						RPD = 8.30			
15 Endosulfan II									
1	100	9.268	9.268	0.000	29201332	0.0267			
2	100	10.807	10.807	0.000	14635883	0.0301			
						RPD = 12.21			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	28725746	0.0311			
2	100	11.256	11.256	0.000	12650185	0.0320			
						RPD = 2.64			
18 Endrin aldehyde									
1	100	10.070	10.070	0.000	24032247	0.0273			
2	100	11.374	11.374	0.000	11897264	0.0301			
						RPD = 9.85			
27 Methoxychlor									
1	100	10.667	10.667	0.000	15539208	0.0337			
2	100	12.336	12.336	0.000	6777692	0.0340			
						RPD = 0.87			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.800	10.800	0.000	26343087	0.0269			
2	100	11.791	11.791	0.000	13128516	0.0297			
						RPD = 10.03			
19 Endrin ketone									
1	100	11.201	11.201	0.000	32027090	0.0280			
2	100	12.539	12.539	0.000	15469335	0.0308			
						RPD = 9.74			
$ 10 DCB Decachlorobiphenyl									
1	100	12.824	12.824	0.000	24597405	0.0256			
2	100	14.253	14.253	0.000	12868313	0.0268			
						RPD = 4.41			

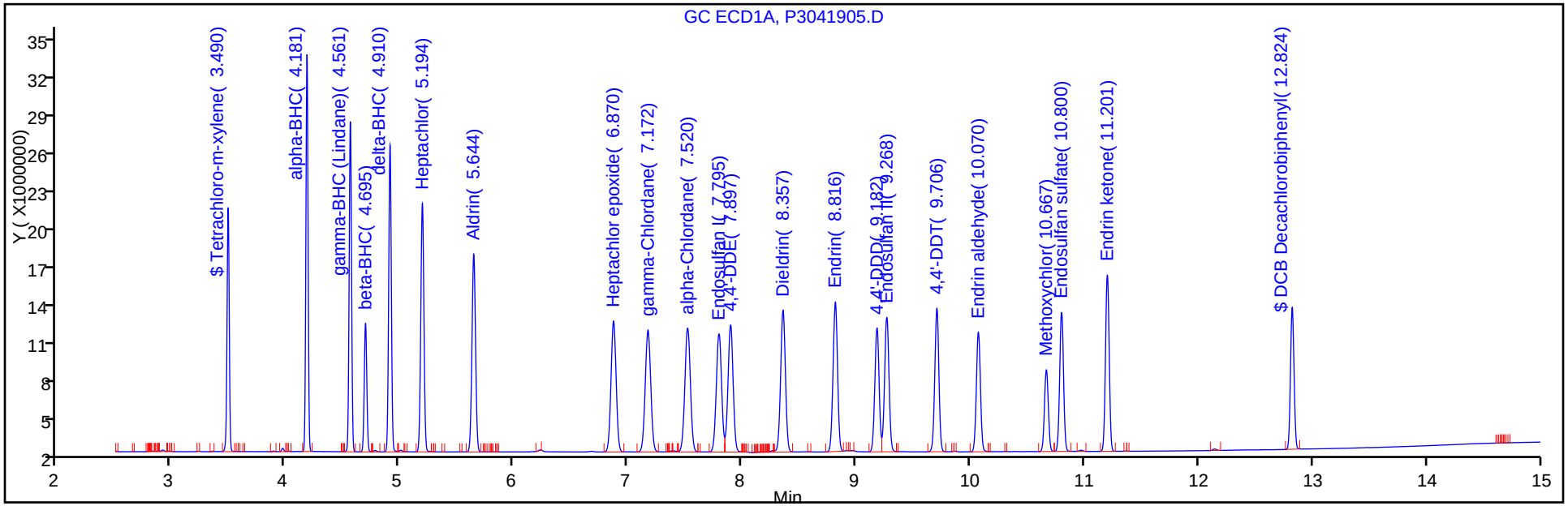
Report Date: 20-Apr-2013 07:39:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

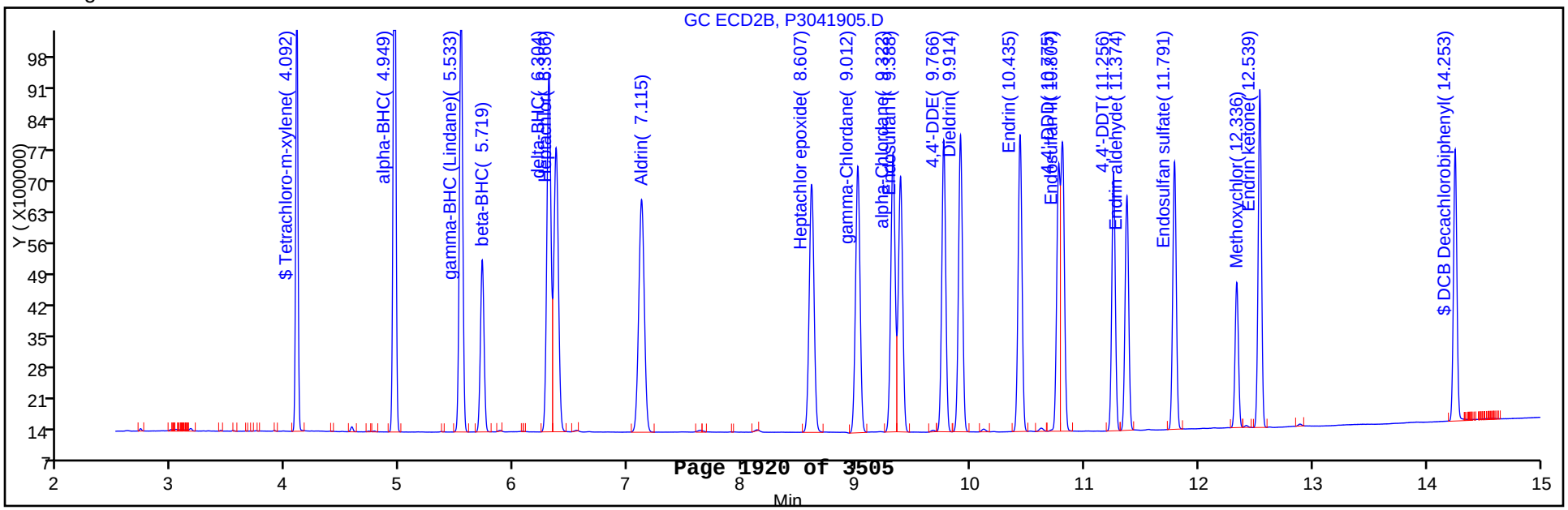
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Injection Date:	19-Apr-2013 11:45:41	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/5 Calibration Date: 04/19/2013 11:45

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3041905.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	886183680		0.0288	0.0250	15.1	20.0
gamma-BHC (Lindane)	Ave	677058072	799657880		0.0295	0.0250	18.1	20.0
beta-BHC	Ave	295707343	343101560		0.0290	0.0250	16.0	20.0
delta-BHC	Ave	695621800	826046200		0.0297	0.0250	18.7	20.0
Heptachlor	Ave	582970513	722162760		0.0310	0.0250	23.9*	20.0
Aldrin	Ave	666083583	722752240		0.0271	0.0250	8.5	20.0
Heptachlor epoxide	Ave	581320598	667182600		0.0287	0.0250	14.8	20.0
gamma-Chlordane	Ave	586604093	666571760		0.0284	0.0250	13.6	20.0
alpha-Chlordane	Ave	610326008	675973480		0.0277	0.0250	10.8	20.0
Endosulfan I	Ave	531325762	616919840		0.0290	0.0250	16.1	20.0
4,4'-DDE	Ave	609850598	636277320		0.0261	0.0250	4.3	20.0
Dieldrin	Ave	594383876	659464120		0.0277	0.0250	10.9	20.0
Endrin	Ave	535793583	639573360		0.0298	0.0250	19.4	20.0
4,4'-DDD	Ave	427546511	499686000		0.0292	0.0250	16.9	20.0
Endosulfan II	Ave	485472127	585435320		0.0301	0.0250	20.6*	20.0
4,4'-DDT	Ave	395546624	506007400		0.0320	0.0250	27.9*	20.0
Endrin aldehyde	Ave	395073591	475890560		0.0301	0.0250	20.5*	20.0
Endosulfan sulfate	Ave	442236050	525140640		0.0297	0.0250	18.7	20.0
Methoxychlor	Ave	199518519	271107680		0.0340	0.0250	35.9*	20.0
Endrin ketone	Ave	501538938	618773400		0.0308	0.0250	23.4*	20.0
Tetrachloro-m-xylene	Ave	603960426	556392080		0.0230	0.0250	-7.9	20.0
DCB Decachlorobiphenyl	Ave	480698861	514732520		0.0268	0.0250	7.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/5 Calibration Date: 04/19/2013 11:45

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3041905.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.95	4.92	4.98
gamma-BHC (Lindane)	5.53	5.50	5.56
beta-BHC	5.72	5.69	5.75
delta-BHC	6.30	6.27	6.33
Heptachlor	6.37	6.34	6.40
Aldrin	7.12	7.09	7.15
Heptachlor epoxide	8.61	8.58	8.64
gamma-Chlordane	9.01	8.98	9.04
alpha-Chlordane	9.32	9.29	9.35
Endosulfan I	9.39	9.36	9.42
4,4'-DDE	9.77	9.74	9.80
Dieldrin	9.91	9.88	9.94
Endrin	10.44	10.41	10.47
4,4'-DDD	10.78	10.75	10.81
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.26	11.23	11.29
Endrin aldehyde	11.37	11.34	11.40
Endosulfan sulfate	11.79	11.76	11.82
Methoxychlor	12.34	12.31	12.37
Endrin ketone	12.54	12.51	12.57
Tetrachloro-m-xylene	4.09	4.06	4.12
DCB Decachlorobiphenyl	14.25	14.22	14.28

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041905.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 19-Apr-2013 11:45:41 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0019054-005
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 82685 Lims Sample ID: 5
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
Last Update: 20-Apr-2013 07:39:31 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.490	3.490	0.000	26446507	0.0240			
2	100	4.092	4.092	0.000	13909802	0.0230			
						RPD = 4.28			
5 alpha-BHC									
1	100	4.181	4.181	0.000	42760822	0.0263			
2	100	4.949	4.949	0.000	22154592	0.0288			
						RPD = 8.85			
20 gamma-BHC (Lindane)									
1	100	4.561	4.561	0.000	38939823	0.0268			
2	100	5.533	5.533	0.000	19991447	0.0295			
						RPD = 9.84			
7 beta-BHC									
1	100	4.695	4.695	0.000	16153925	0.0261			
2	100	5.719	5.719	0.000	8577539	0.0290			
						RPD = 10.48			
11 delta-BHC									
1	100	4.910	4.910	0.000	39805409	0.0269			
2	100	6.304	6.304	0.000	20651155	0.0297			
						RPD = 9.88			
22 Heptachlor									
1	100	5.194	5.194	0.000	38190460	0.0296			
2	100	6.366	6.366	0.000	18054069	0.0310			
						RPD = 4.35			
4 Aldrin									
1	100	5.644	5.644	0.000	34797691	0.0256			
2	100	7.115	7.115	0.000	18068806	0.0271			
						RPD = 5.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.870	6.870	0.000	32777304	0.0266			
2	100	8.607	8.607	0.000	16679565	0.0287			
						RPD = 7.39			
21 gamma-Chlordane									
1	100	7.172	7.172	0.000	32980707	0.0261			
2	100	9.012	9.012	0.000	16664294	0.0284			
						RPD = 8.46			
6 alpha-Chlordane									
1	100	7.520	7.520	0.000	33706544	0.0261			
2	100	9.322	9.322	0.000	16899337	0.0277			
						RPD = 5.77			
14 Endosulfan I									
1	100	7.795	7.795	0.000	30926200	0.0268			
2	100	9.388	9.388	0.000	15422996	0.0290			
						RPD = 7.86			
2 4,4'-DDE									
1	100	7.897	7.897	0.000	31999040	0.0253			
2	100	9.766	9.766	0.000	15906933	0.0261			
						RPD = 3.18			
13 Dieldrin									
1	100	8.357	8.357	0.000	33398612	0.0263			
2	100	9.914	9.914	0.000	16486603	0.0277			
						RPD = 5.20			
17 Endrin									
1	100	8.816	8.816	0.000	32756706	0.0275			
2	100	10.435	10.435	0.000	15989334	0.0298			
						RPD = 8.00			
1 4,4'-DDD									
1	100	9.182	9.182	0.000	26092327	0.0269			
2	100	10.775	10.775	0.000	12492150	0.0292			
						RPD = 8.30			
15 Endosulfan II									
1	100	9.268	9.268	0.000	29201332	0.0267			
2	100	10.807	10.807	0.000	14635883	0.0301			
						RPD = 12.21			
3 4,4'-DDT									
1	100	9.706	9.706	0.000	28725746	0.0311			
2	100	11.256	11.256	0.000	12650185	0.0320			
						RPD = 2.64			
18 Endrin aldehyde									
1	100	10.070	10.070	0.000	24032247	0.0273			
2	100	11.374	11.374	0.000	11897264	0.0301			
						RPD = 9.85			
27 Methoxychlor									
1	100	10.667	10.667	0.000	15539208	0.0337			
2	100	12.336	12.336	0.000	6777692	0.0340			
						RPD = 0.87			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.800	10.800	0.000	26343087	0.0269			
2	100	11.791	11.791	0.000	13128516	0.0297			
						RPD = 10.03			
19 Endrin ketone									
1	100	11.201	11.201	0.000	32027090	0.0280			
2	100	12.539	12.539	0.000	15469335	0.0308			
						RPD = 9.74			
$ 10 DCB Decachlorobiphenyl									
1	100	12.824	12.824	0.000	24597405	0.0256			
2	100	14.253	14.253	0.000	12868313	0.0268			
						RPD = 4.41			

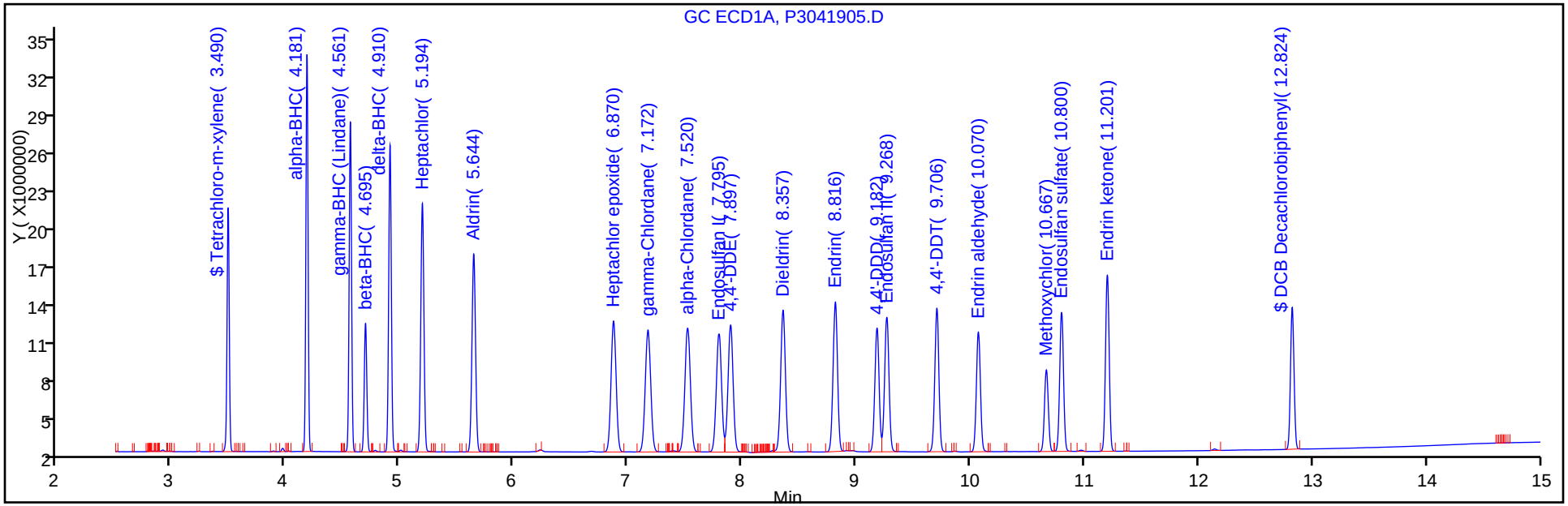
Report Date: 20-Apr-2013 07:39:31 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

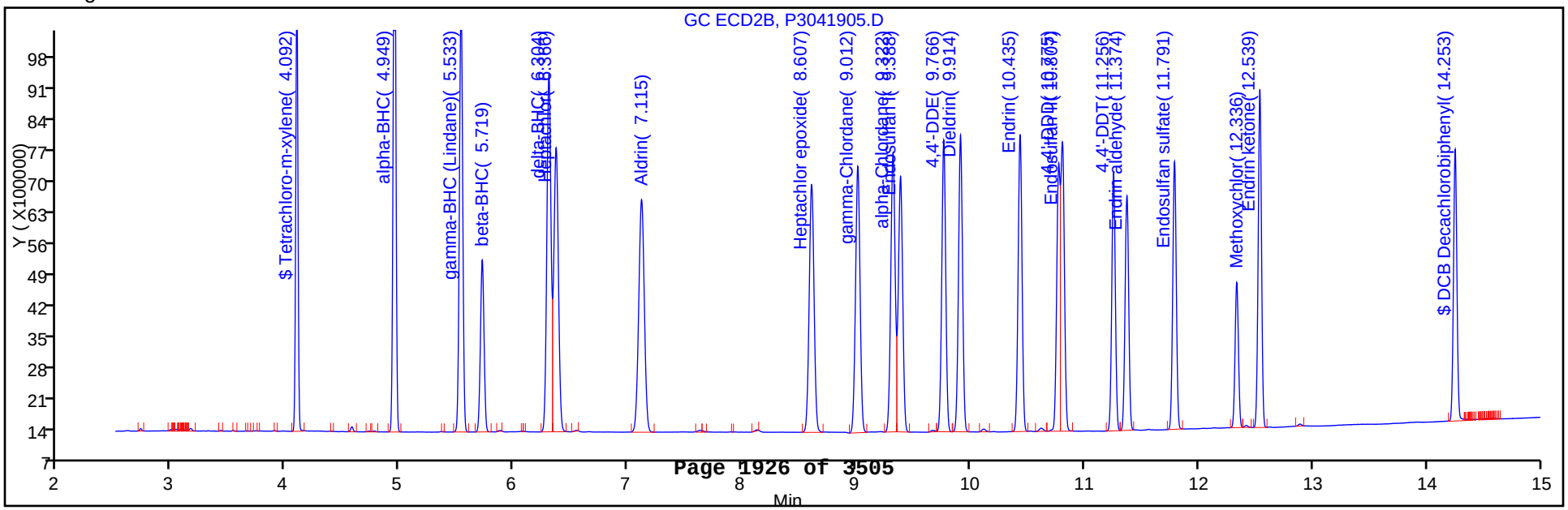
Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041905.D

Injection Date:	19-Apr-2013 11:45:41	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/7 Calibration Date: 04/19/2013 12:26

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3041907.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	55041979		1.12	1.00	12.4	20.0
Toxaphene Peak 2	Ave	49795684	55253781		1.11	1.00	11.0	20.0
Toxaphene Peak 3	Ave	41014572	46427649		1.13	1.00	13.2	20.0
Toxaphene Peak 4	Ave	31176774	35407081		1.14	1.00	13.6	20.0
Toxaphene Peak 5	Ave	26157631	30093343		1.15	1.00	15.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/7 Calibration Date: 04/19/2013 12:26

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3041907.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.26	10.23	10.29
Toxaphene Peak 2	10.61	10.58	10.64
Toxaphene Peak 3	10.76	10.73	10.79
Toxaphene Peak 4	11.17	11.14	11.20
Toxaphene Peak 5	11.45	11.42	11.48

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041907.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 19-Apr-2013 12:26:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019054-007
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 82685 Lims Sample ID: 7
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
Last Update: 20-Apr-2013 07:39:32 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 19-Apr-2013 13:09:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.261	10.261	0.000	55041979	1.12		100.0	M
1	2	10.605	10.605	0.000	55253781	1.11	81.1- 121.1	100.4	M
1	3	10.758	10.758	0.000	46427649	1.13	65.0- 105.0	84.3	M
1	4	11.174	11.174	0.000	35407081	1.14	43.1- 83.1	64.3	M
1	5	11.446	11.446	0.000	30093343	1.15	32.5- 72.5	54.7	M
			Average of Peak Amounts =			1.13			
2	100	10.363	10.363	0.000	18694020	1.11		100.0	M
2	2	10.953	10.953	0.000	25336076	1.18	108.3- 148.3	135.5	M
2	3	11.373	11.373	0.000	30643672	1.18	134.7- 174.7	163.9	M
2	4	12.117	12.117	0.000	35963611	1.19	157.2- 197.2	192.4	M
2	5	12.677	12.677	0.000	14727358	1.20	51.7- 91.7	78.8	M
			Average of Peak Amounts =			1.17			
						RPD = 3.48			

QC Flag Legend

Review Flags
M - Manually Integrated

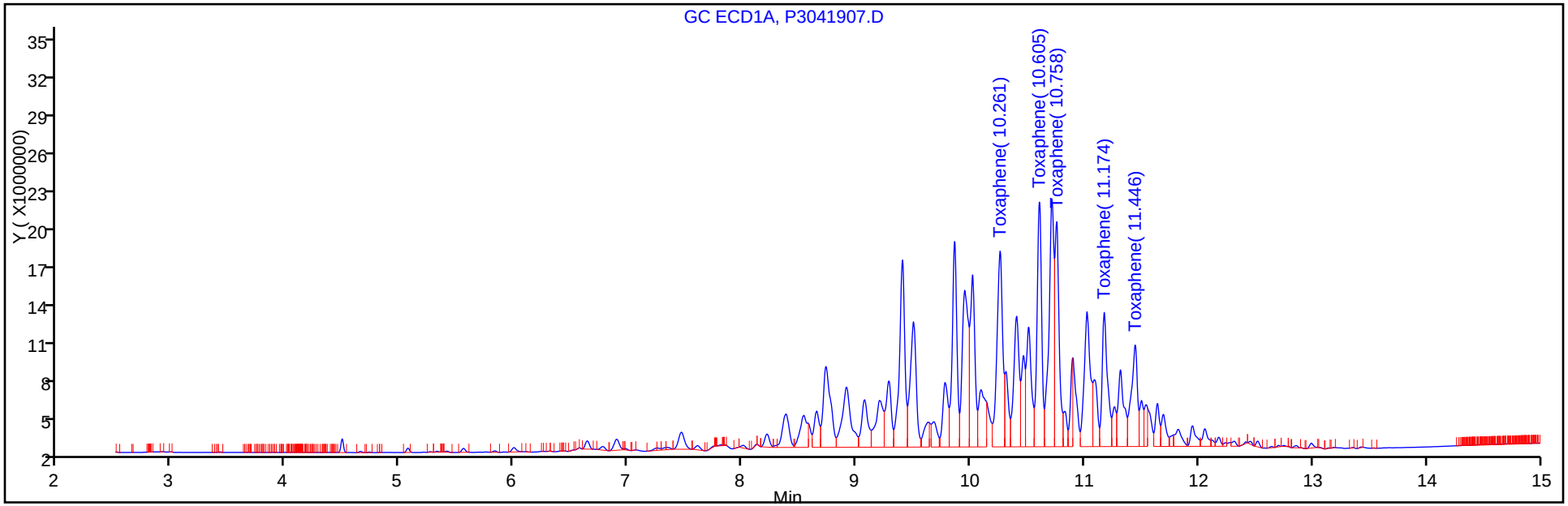
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TestAmerica Canton

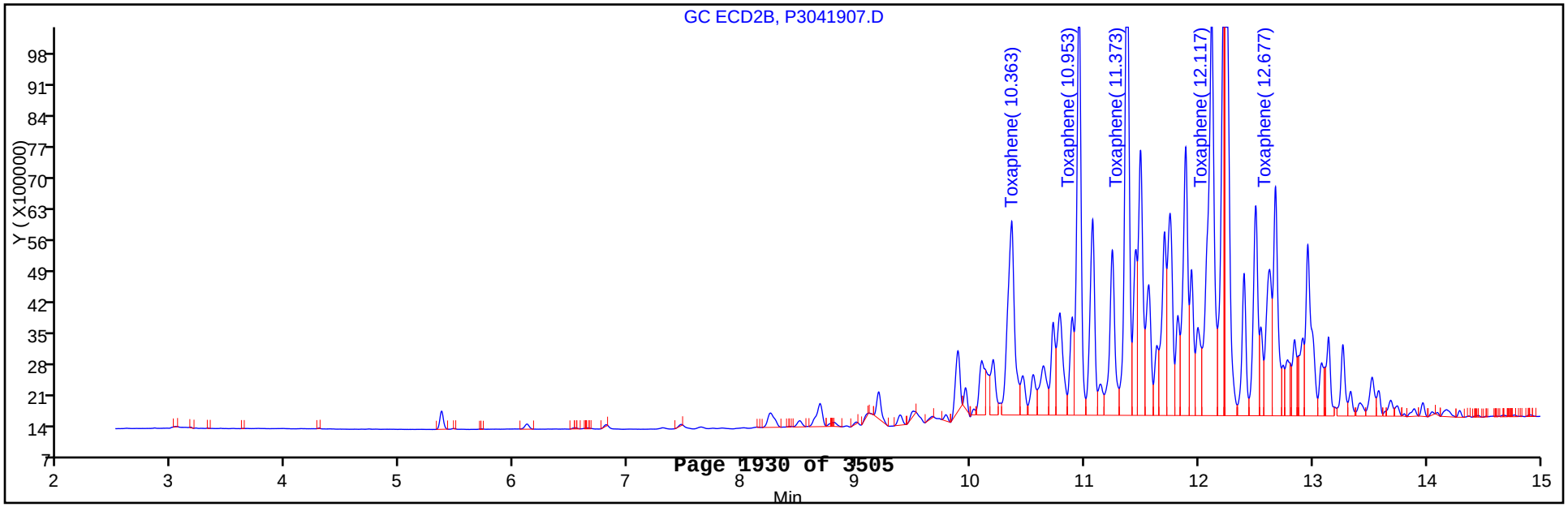
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Injection Date:	19-Apr-2013 12:26:00	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



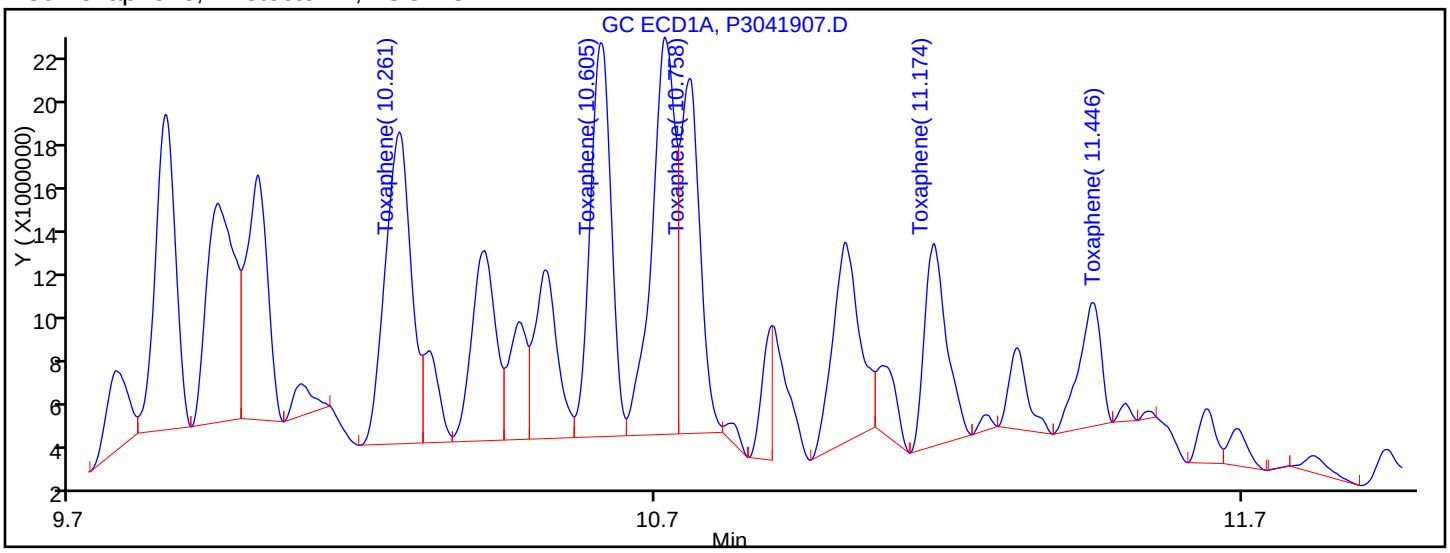
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TestAmerica Canton

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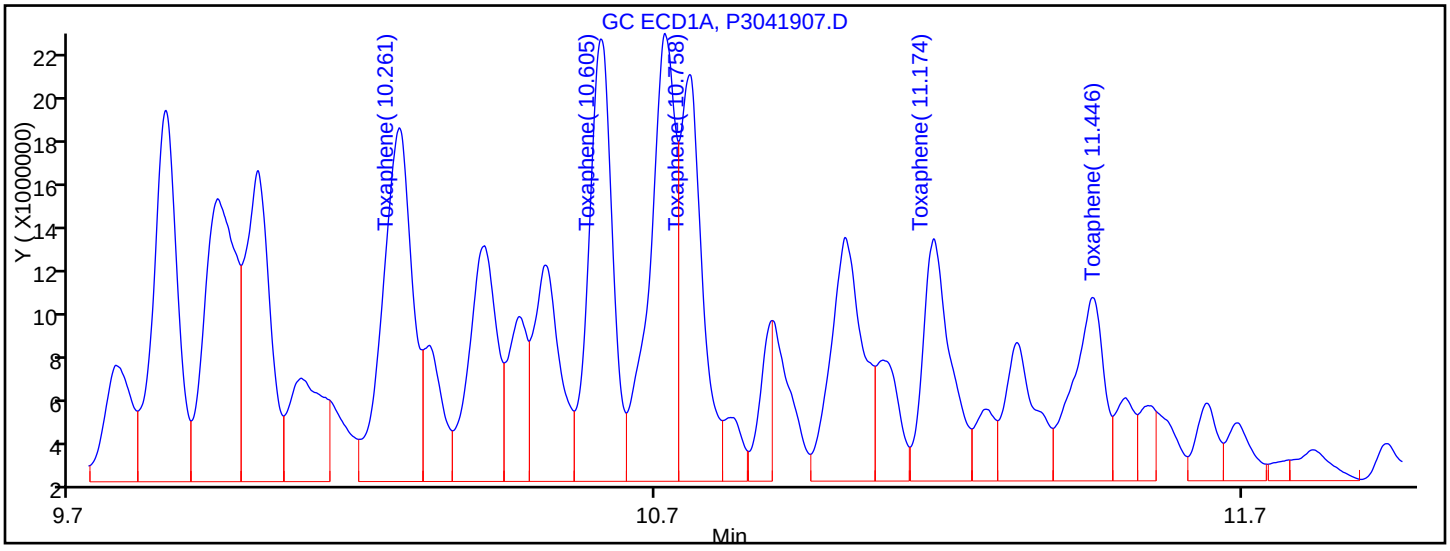
Injection Date:	19-Apr-2013 12:26:00	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.261	Response = 42448394	M
RT = 10.605	Response = 43350914	M
RT = 10.758	Response = 35733977	M
RT = 11.174	Response = 23496071	M
RT = 11.446	Response = 14390934	M



Manual Integration Results

RT = 10.261	Response = 55041979	M
RT = 10.605	Response = 55253781	M
RT = 10.758	Response = 46427649	M
RT = 11.174	Response = 35407081	M
RT = 11.446	Response = 30093343	M

Reviewer: shockr, 19-Apr-2013 13:09:14

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/7 Calibration Date: 04/19/2013 12:26

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3041907.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	18694020		1.11	1.00	10.7	20.0
Toxaphene Peak 2	Ave	21534081	25336076		1.18	1.00	17.7	20.0
Toxaphene Peak 3	Ave	26029451	30643672		1.18	1.00	17.7	20.0
Toxaphene Peak 4	Ave	30315481	35963611		1.19	1.00	18.6	20.0
Toxaphene Peak 5	Ave	12222975	14727358		1.20	1.00	20.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/7 Calibration Date: 04/19/2013 12:26

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3041907.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.36	10.33	10.39
Toxaphene Peak 2	10.95	10.92	10.98
Toxaphene Peak 3	11.37	11.34	11.40
Toxaphene Peak 4	12.12	12.09	12.15
Toxaphene Peak 5	12.68	12.65	12.71

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041907.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 19-Apr-2013 12:26:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019054-007
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 82685 Lims Sample ID: 7
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
Last Update: 20-Apr-2013 07:39:32 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 19-Apr-2013 13:09:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.261	10.261	0.000	55041979	1.12		100.0	M
1	2	10.605	10.605	0.000	55253781	1.11	81.1- 121.1	100.4	M
1	3	10.758	10.758	0.000	46427649	1.13	65.0- 105.0	84.3	M
1	4	11.174	11.174	0.000	35407081	1.14	43.1- 83.1	64.3	M
1	5	11.446	11.446	0.000	30093343	1.15	32.5- 72.5	54.7	M
			Average of Peak Amounts =			1.13			
2	100	10.363	10.363	0.000	18694020	1.11		100.0	M
2	2	10.953	10.953	0.000	25336076	1.18	108.3- 148.3	135.5	M
2	3	11.373	11.373	0.000	30643672	1.18	134.7- 174.7	163.9	M
2	4	12.117	12.117	0.000	35963611	1.19	157.2- 197.2	192.4	M
2	5	12.677	12.677	0.000	14727358	1.20	51.7- 91.7	78.8	M
			Average of Peak Amounts =			1.17			
						RPD = 3.48			

QC Flag Legend

Review Flags
M - Manually Integrated

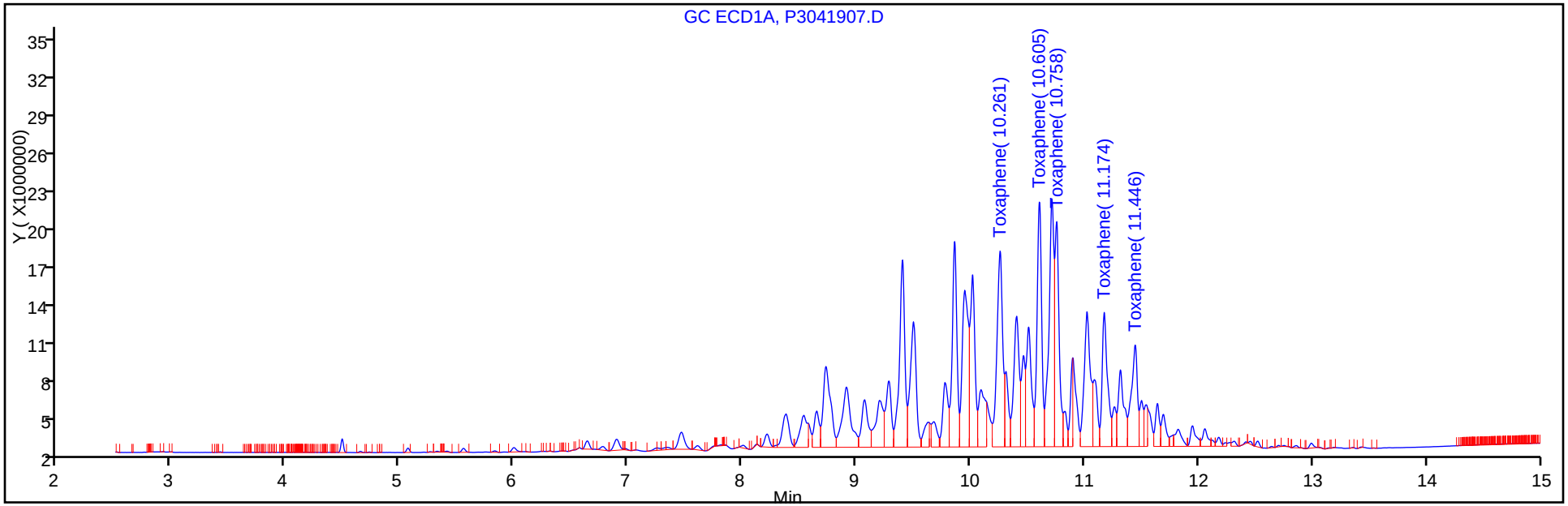
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TestAmerica Canton

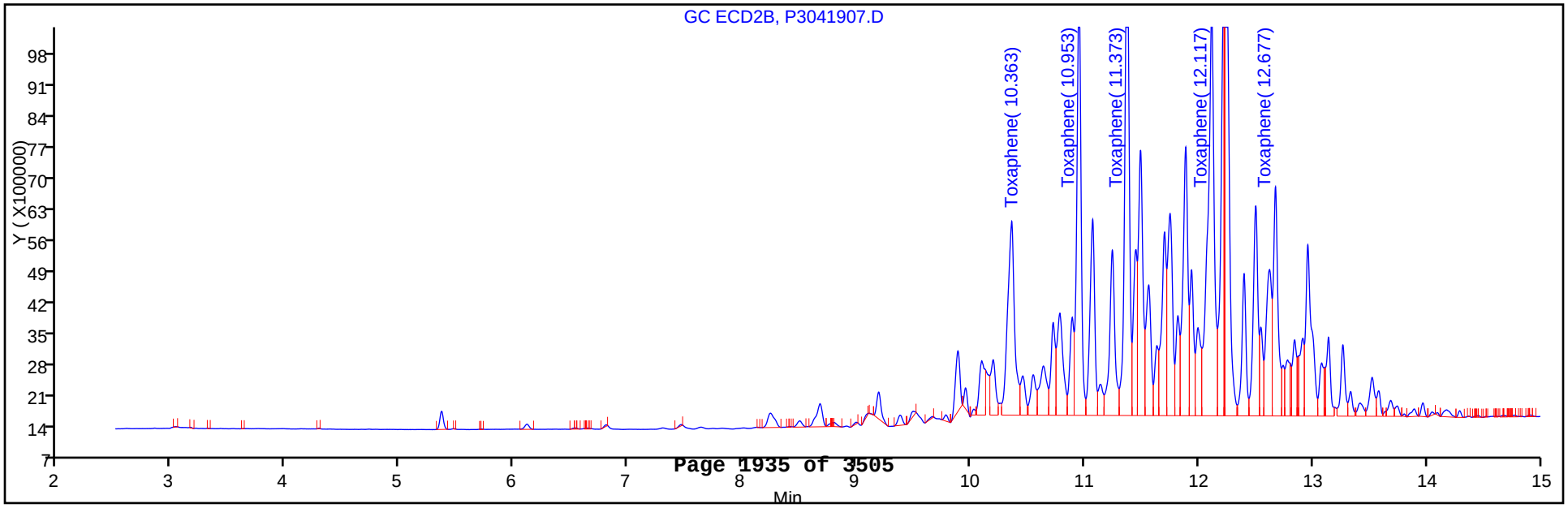
Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041907.D

Injection Date:	19-Apr-2013 12:26:00	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



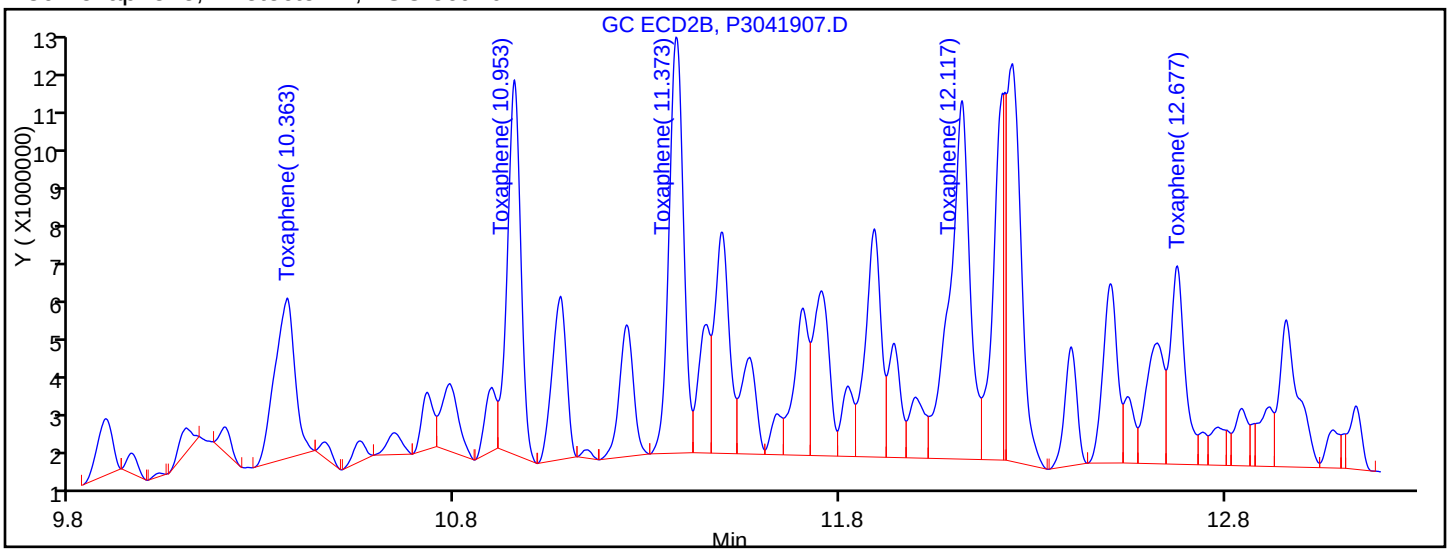
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TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041907.D

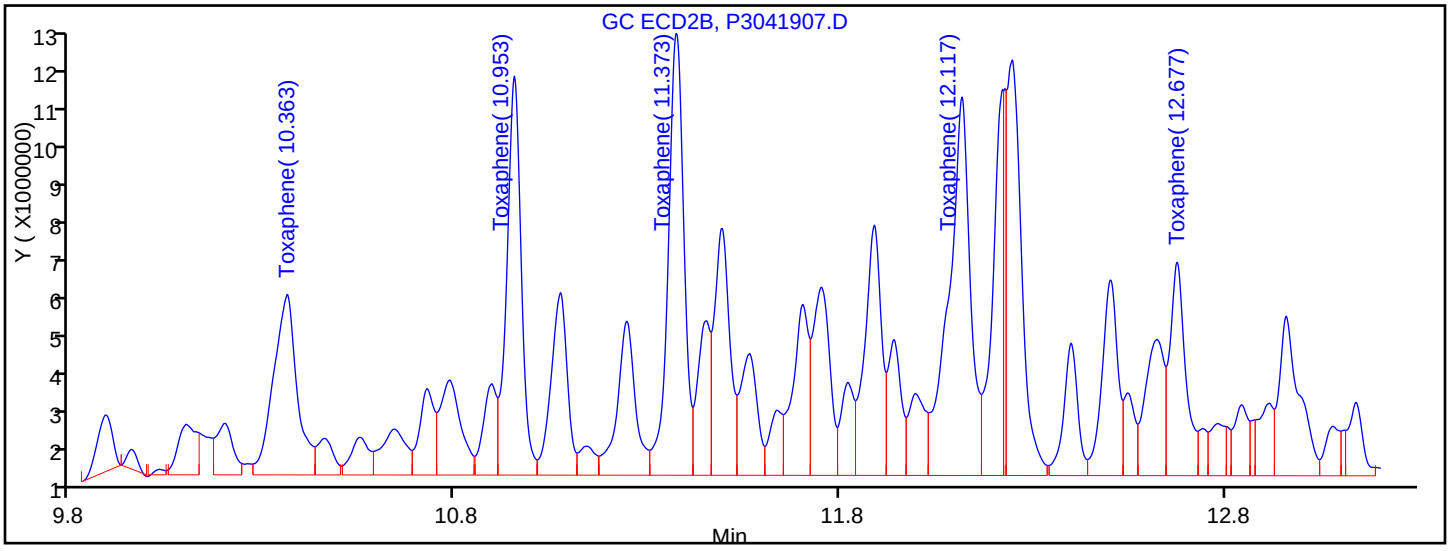
Injection Date:	19-Apr-2013 12:26:00	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.363	Response = 14126149	M
RT = 10.953	Response = 21936244	M
RT = 11.373	Response = 26458938	M
RT = 12.117	Response = 31904500	M
RT = 12.677	Response = 12916420	M



Manual Integration Results

RT = 10.363	Response = 18694020	M
RT = 10.953	Response = 25336076	M
RT = 11.373	Response = 30643672	M
RT = 12.117	Response = 35963611	M
RT = 12.677	Response = 14727358	M

Reviewer: shockr, 19-Apr-2013 13:09:14

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/16 Calibration Date: 04/19/2013 15:57

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3041916.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	40105354		0.819	1.00	-18.1	20.0
Toxaphene Peak 2	Ave	49795684	39634107		0.796	1.00	-20.4*	20.0
Toxaphene Peak 3	Ave	41014572	27386149		0.668	1.00	-33.2*	20.0
Toxaphene Peak 4	Ave	31176774	23333240		0.748	1.00	-25.2*	20.0
Toxaphene Peak 5	Ave	26157631	15401535		0.589	1.00	-41.1*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/16 Calibration Date: 04/19/2013 15:57

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3041916.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.26	10.23	10.29
Toxaphene Peak 2	10.61	10.58	10.64
Toxaphene Peak 3	10.76	10.73	10.79
Toxaphene Peak 4	11.18	11.15	11.21
Toxaphene Peak 5	11.46	11.43	11.49

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041916.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 19-Apr-2013 15:57:43 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019054-016
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 82685 Lims Sample ID: 16
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
Last Update: 20-Apr-2013 07:39:41 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 19-Apr-2013 16:54:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.263	10.263	0.000	40105354	0.8193		100.0	M
1	2	10.612	10.612	0.000	39634107	0.7959	81.1- 121.1	98.8	M
1	3	10.761	10.761	0.000	27386149	0.6677	65.0- 105.0	68.3	M
1	4	11.182	11.182	0.000	23333240	0.7484	43.1- 83.1	58.2	M
1	5	11.457	11.457	0.000	15401535	0.5888	32.5- 72.5	38.4	M
			Average of Peak Amounts =			0.7240			
2	100	10.335	10.335	0.000	17941793	1.06		100.0	M
2	2	10.928	10.928	0.000	22185851	1.03	108.3- 148.3	123.7	M
2	3	11.349	11.349	0.000	25750264	0.9893	134.7- 174.7	143.5	M
2	4	12.090	12.090	0.000	26155111	0.8628	157.2- 197.2	145.8	M
2	5	12.649	12.649	0.000	10340469	0.8460	51.7- 91.7	57.6	M
			Average of Peak Amounts =			0.9582			
						RPD = 27.84			

QC Flag Legend

Review Flags
M - Manually Integrated

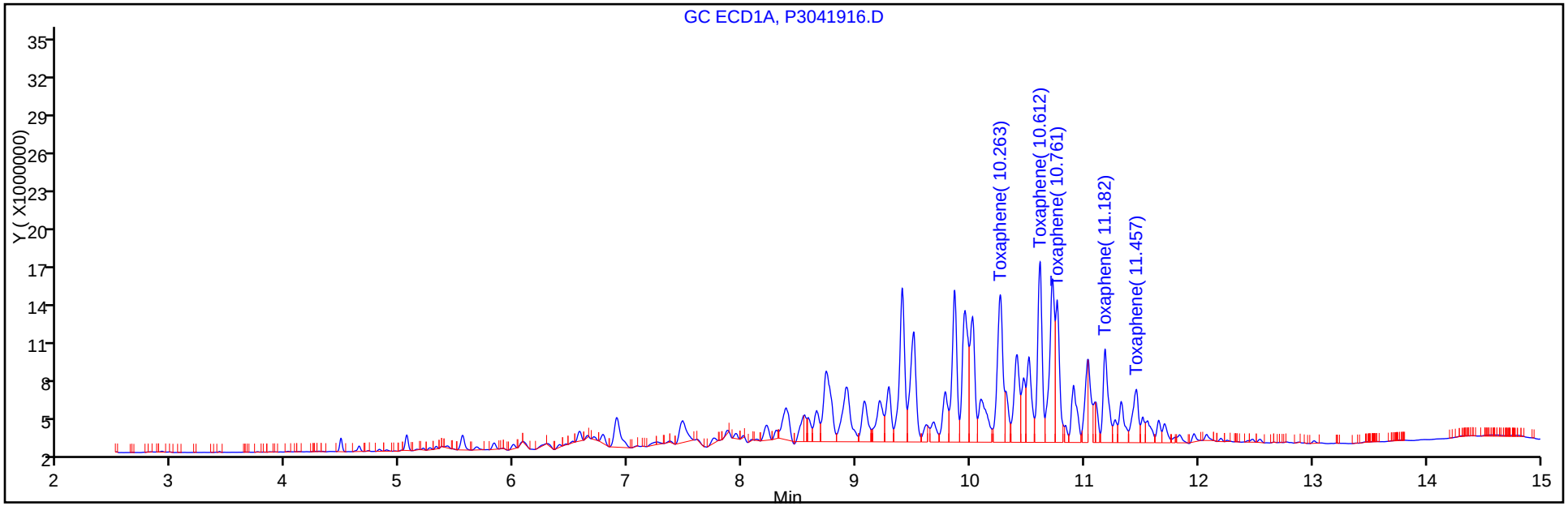
Report Date: 20-Apr-2013 07:39:42 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

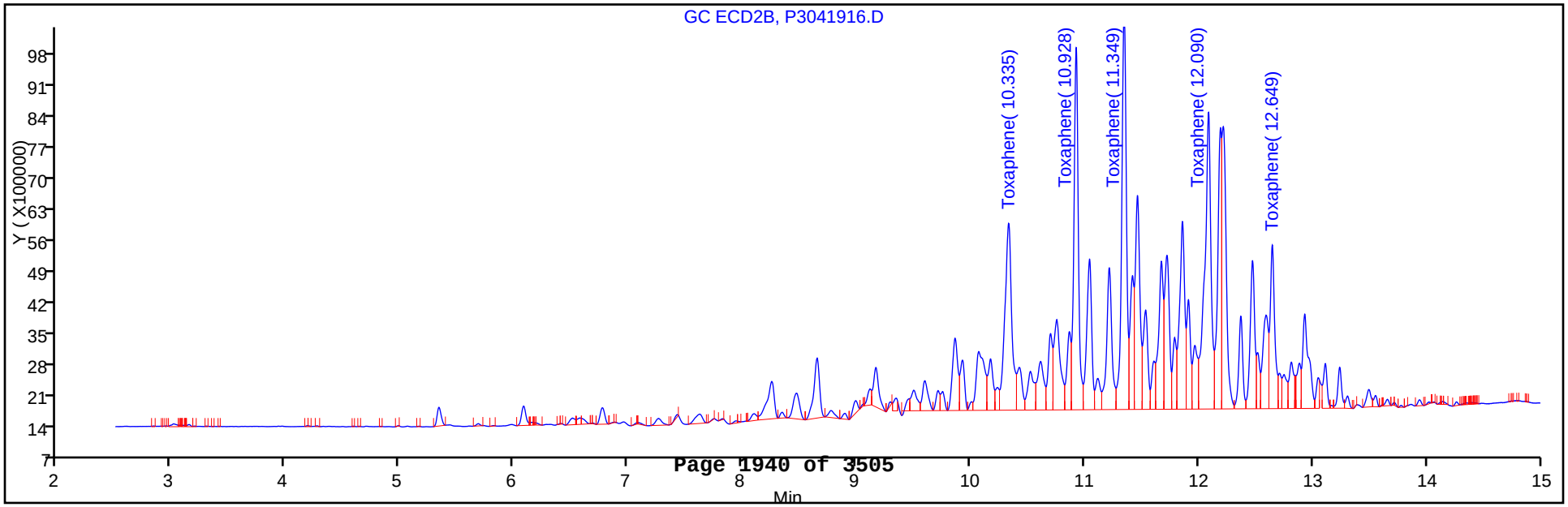
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Injection Date:	19-Apr-2013 15:57:43	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	16
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



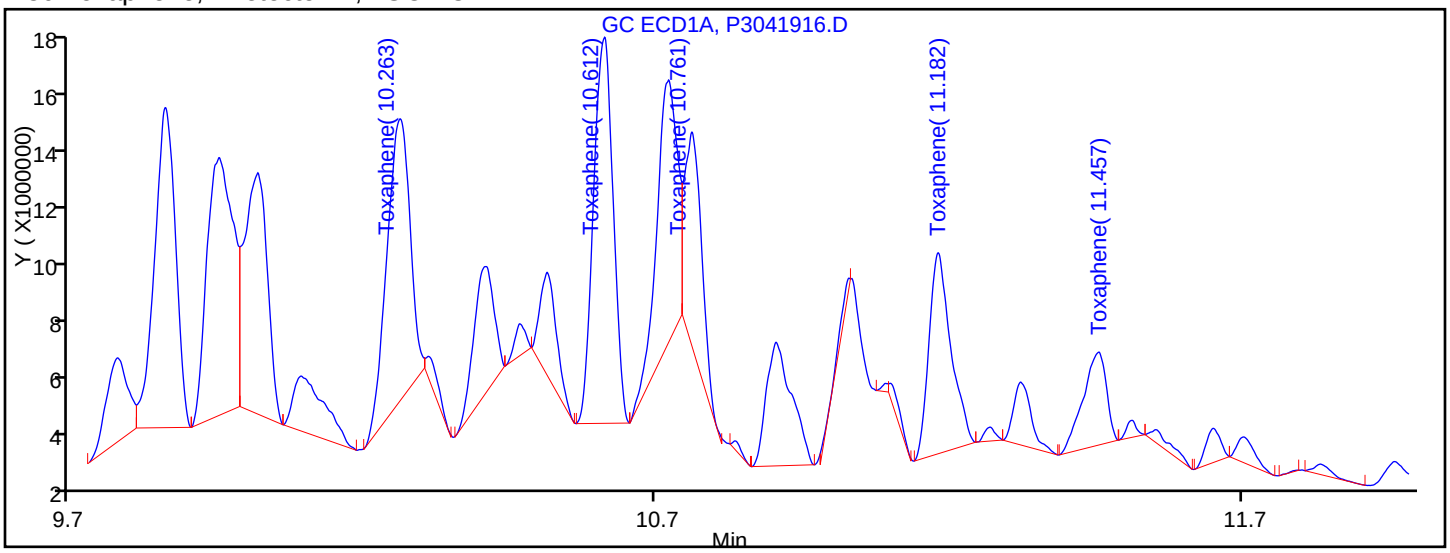
Report Date: 20-Apr-2013 07:39:42 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041916.D

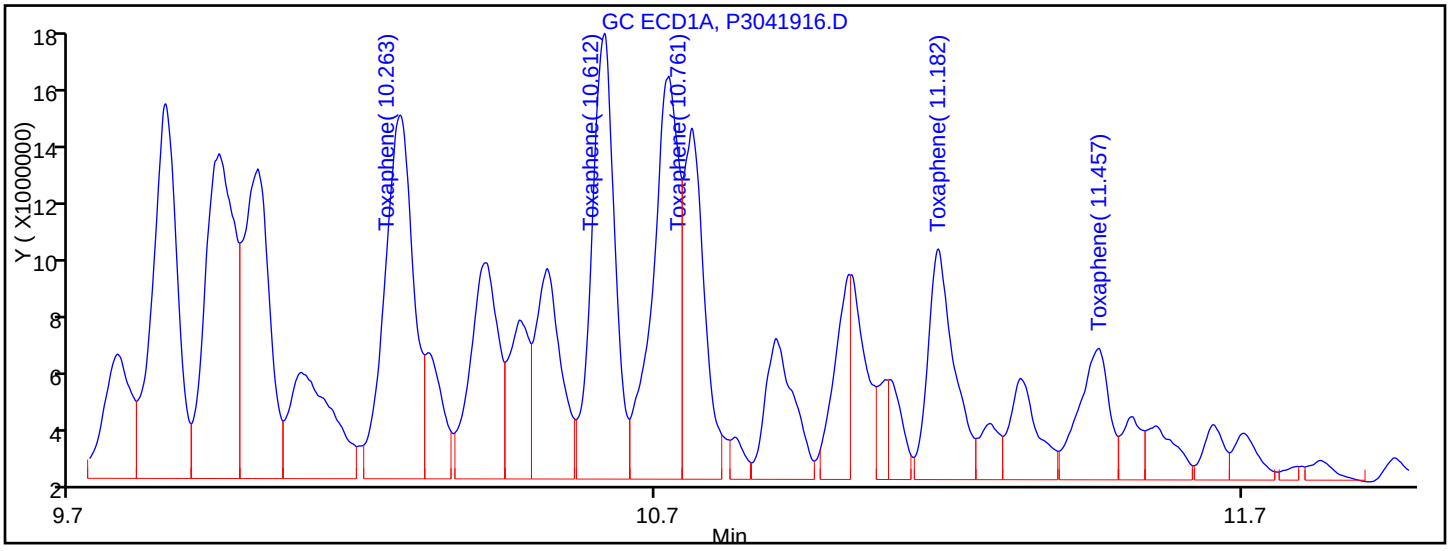
Injection Date:	19-Apr-2013 15:57:43	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	16
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.263	Response = 25245138	M
RT = 10.612	Response = 29188313	M
RT = 10.761	Response = 13809253	M
RT = 11.182	Response = 16900146	M
RT = 11.457	Response = 8388687	M



Manual Integration Results

RT = 10.263	Response = 40105354	M
RT = 10.612	Response = 39634107	M
RT = 10.761	Response = 27386149	M
RT = 11.182	Response = 23333240	M
RT = 11.457	Response = 15401535	M

Reviewer: shockr, 19-Apr-2013 16:54:23

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/16 Calibration Date: 04/19/2013 15:57

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3041916.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	17941793		1.06	1.00	6.3	20.0
Toxaphene Peak 2	Ave	21534081	22185851		1.03	1.00	3.0	20.0
Toxaphene Peak 3	Ave	26029451	25750264		0.989	1.00	-1.1	20.0
Toxaphene Peak 4	Ave	30315481	26155111		0.863	1.00	-13.7	20.0
Toxaphene Peak 5	Ave	12222975	10340469		0.846	1.00	-15.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/16 Calibration Date: 04/19/2013 15:57

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3041916.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.34	10.31	10.37
Toxaphene Peak 2	10.93	10.90	10.96
Toxaphene Peak 3	11.35	11.32	11.38
Toxaphene Peak 4	12.09	12.06	12.12
Toxaphene Peak 5	12.65	12.62	12.68

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041916.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 19-Apr-2013 15:57:43 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019054-016
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 82685 Lims Sample ID: 16
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
Last Update: 20-Apr-2013 07:39:41 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 19-Apr-2013 16:54:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.263	10.263	0.000	40105354	0.8193		100.0	M
1	2	10.612	10.612	0.000	39634107	0.7959	81.1- 121.1	98.8	M
1	3	10.761	10.761	0.000	27386149	0.6677	65.0- 105.0	68.3	M
1	4	11.182	11.182	0.000	23333240	0.7484	43.1- 83.1	58.2	M
1	5	11.457	11.457	0.000	15401535	0.5888	32.5- 72.5	38.4	M
			Average of Peak Amounts =			0.7240			
2	100	10.335	10.335	0.000	17941793	1.06		100.0	M
2	2	10.928	10.928	0.000	22185851	1.03	108.3- 148.3	123.7	M
2	3	11.349	11.349	0.000	25750264	0.9893	134.7- 174.7	143.5	M
2	4	12.090	12.090	0.000	26155111	0.8628	157.2- 197.2	145.8	M
2	5	12.649	12.649	0.000	10340469	0.8460	51.7- 91.7	57.6	M
			Average of Peak Amounts =			0.9582			
						RPD = 27.84			

QC Flag Legend

Review Flags
M - Manually Integrated

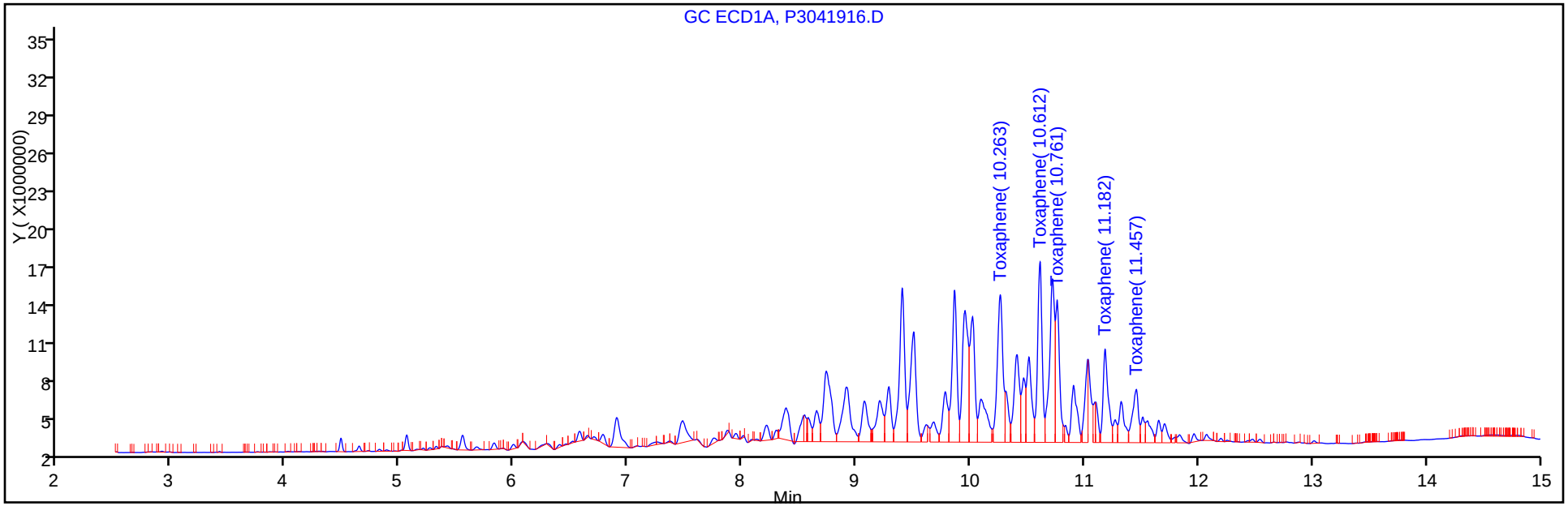
Report Date: 20-Apr-2013 07:39:42 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

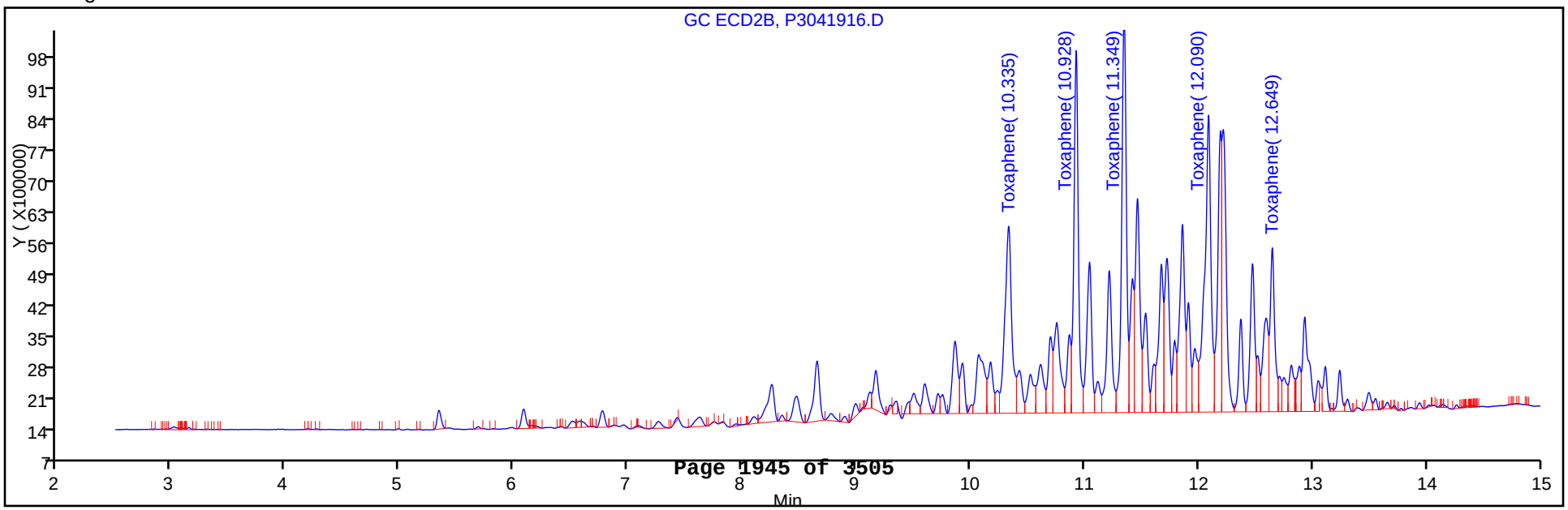
Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041916.D

Injection Date:	19-Apr-2013 15:57:43	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	16
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



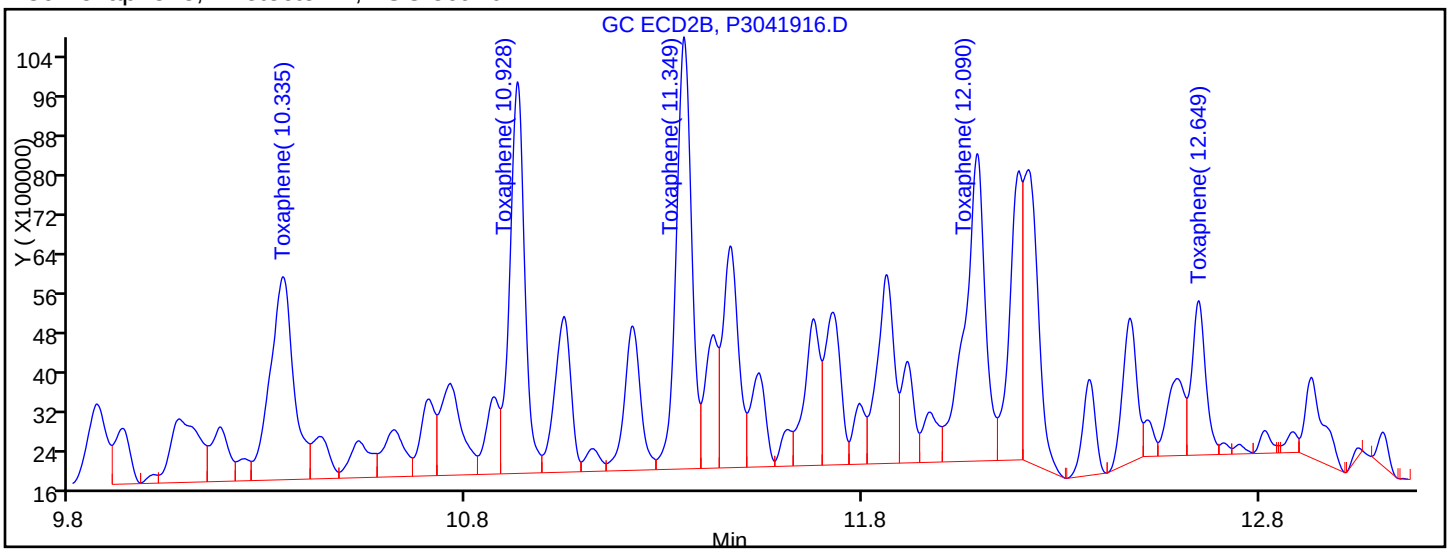
Report Date: 20-Apr-2013 07:39:43 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041916.D

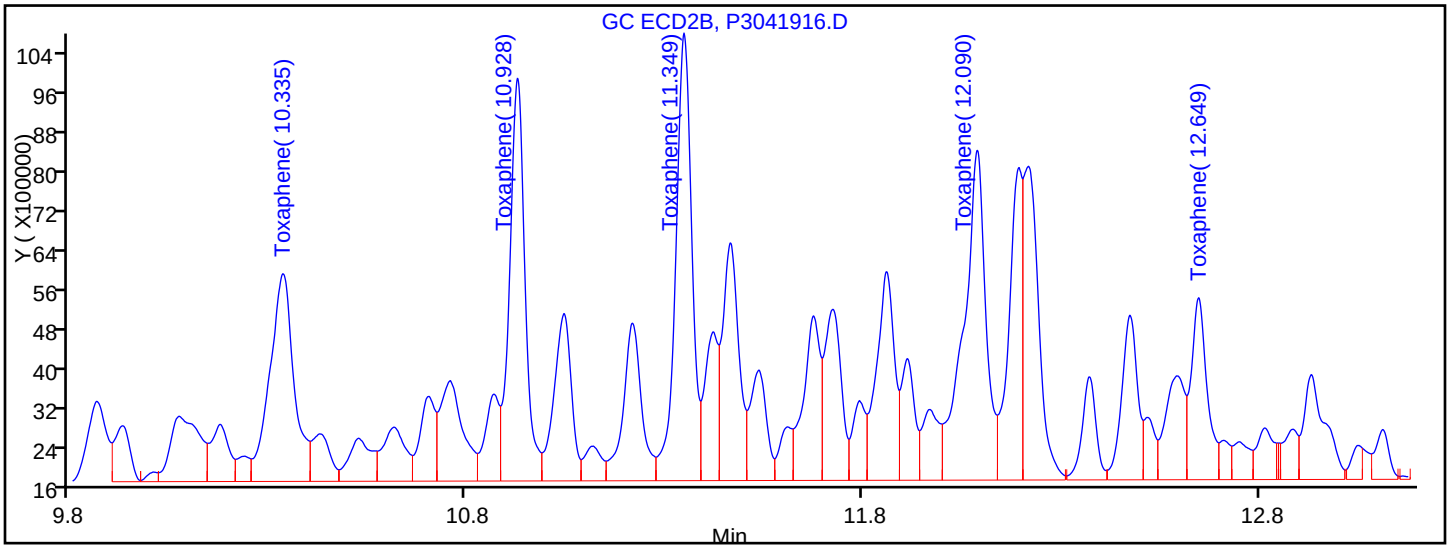
Injection Date:	19-Apr-2013 15:57:43	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	16
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.335	Response = 17204152	M
RT = 10.928	Response = 20902904	M
RT = 11.349	Response = 23808368	M
RT = 12.090	Response = 22527340	M
RT = 12.649	Response = 7656280	M



Manual Integration Results

RT = 10.335	Response = 17941793	M
RT = 10.928	Response = 22185851	M
RT = 11.349	Response = 25750264	M
RT = 12.090	Response = 26155111	M
RT = 12.649	Response = 10340469	M

Reviewer: shockr, 19-Apr-2013 16:54:23

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/19 Calibration Date: 04/19/2013 16:58

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3041919.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1708920880		0.0263	0.0250	5.2	20.0
gamma-BHC (Lindane)	Ave	1455203462	1538390480		0.0264	0.0250	5.7	20.0
beta-BHC	Ave	618486639	645633760		0.0261	0.0250	4.4	20.0
delta-BHC	Ave	1480196914	1593603680		0.0269	0.0250	7.7	20.0
Heptachlor	Ave	1288059053	1463943320		0.0284	0.0250	13.7	20.0
Aldrin	Ave	1359987606	1383983680		0.0254	0.0250	1.8	20.0
Heptachlor epoxide	Ave	1229987574	1305718280		0.0265	0.0250	6.2	20.0
gamma-Chlordane	Ave	1263492565	1318315800		0.0261	0.0250	4.3	20.0
alpha-Chlordane	Ave	1289702829	1349572480		0.0262	0.0250	4.6	20.0
Endosulfan I	Ave	1152636801	1233580600		0.0268	0.0250	7.0	20.0
4,4'-DDE	Ave	1266505227	1276667120		0.0252	0.0250	0.8	20.0
Dieldrin	Ave	1268423751	1322995120		0.0261	0.0250	4.3	20.0
Endrin	Ave	1189138903	1268125520		0.0267	0.0250	6.6	20.0
4,4'-DDD	Ave	970323691	1180256040		0.0304	0.0250	21.6*	20.0
Endosulfan II	Ave	1094573989	1152395360		0.0263	0.0250	5.3	20.0
4,4'-DDT	Ave	922210777	762120600		0.0207	0.0250	-17.4	20.0
Endrin aldehyde	Ave	880698493	937180400		0.0266	0.0250	6.4	20.0
Methoxychlor	Ave	461419504	450714640		0.0244	0.0250	-2.3	20.0
Endosulfan sulfate	Ave	981061458	1038852000		0.0265	0.0250	5.9	20.0
Endrin ketone	Ave	1144648217	1178308760		0.0257	0.0250	2.9	20.0
Tetrachloro-m-xylene	Ave	1100163513	1055328480		0.0240	0.0250	-4.1	20.0
DCB Decachlorobiphenyl	Ave	960238458	968051200		0.0252	0.0250	0.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/19 Calibration Date: 04/19/2013 16:58

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3041919.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.17	4.14	4.20
gamma-BHC (Lindane)	4.55	4.52	4.58
beta-BHC	4.69	4.66	4.72
delta-BHC	4.90	4.87	4.93
Heptachlor	5.19	5.16	5.22
Aldrin	5.64	5.61	5.67
Heptachlor epoxide	6.88	6.85	6.91
gamma-Chlordane	7.18	7.15	7.21
alpha-Chlordane	7.53	7.50	7.56
Endosulfan I	7.80	7.77	7.83
4,4'-DDE	7.91	7.88	7.94
Dieldrin	8.36	8.33	8.39
Endrin	8.82	8.79	8.85
4,4'-DDD	9.19	9.16	9.22
Endosulfan II	9.27	9.24	9.30
4,4'-DDT	9.71	9.68	9.74
Endrin aldehyde	10.08	10.05	10.11
Methoxychlor	10.67	10.64	10.70
Endosulfan sulfate	10.80	10.77	10.83
Endrin ketone	11.21	11.18	11.24
Tetrachloro-m-xylene	3.48	3.45	3.51
DCB Decachlorobiphenyl	12.85	12.82	12.88

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041919.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 19-Apr-2013 16:58:15 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019054-019
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 82685 Lims Sample ID: 19
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
Last Update: 20-Apr-2013 07:39:45 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 20-Apr-2013 07:08:46

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.481	3.481	0.000	26383212	0.0240			
2	100	4.076	4.076	0.000	13839253	0.0229			
						RPD = 4.55			
5 alpha-BHC									
1	100	4.172	4.172	0.000	42723022	0.0263			
2	100	4.926	4.926	0.000	22036155	0.0286			
						RPD = 8.41			
20 gamma-BHC (Lindane)									
1	100	4.552	4.552	0.000	38459762	0.0264			
2	100	5.506	5.506	0.000	19687632	0.0291			
						RPD = 9.54			
7 beta-BHC									
1	100	4.686	4.686	0.000	16140844	0.0261			
2	100	5.691	5.691	0.000	8594392	0.0291			
						RPD = 10.76			
11 delta-BHC									
1	100	4.902	4.902	0.000	39840092	0.0269			
2	100	6.271	6.271	0.000	20654788	0.0297			
						RPD = 9.81			
22 Heptachlor									
1	100	5.187	5.187	0.000	36598583	0.0284			
2	100	6.335	6.335	0.000	17316684	0.0297			
						RPD = 4.44			
4 Aldrin									
1	100	5.641	5.641	0.000	34599592	0.0254			
2	100	7.080	7.080	0.000	17963020	0.0270			
						RPD = 5.83			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.876	6.876	0.000	32642957	0.0265			
2	100	8.580	8.580	0.000	16548259	0.0285			
						RPD = 7.01			
21 gamma-Chlordane									
1	100	7.181	7.181	0.000	32957895	0.0261			
2	100	8.986	8.986	0.000	16561336	0.0282			
						RPD = 7.91			
6 alpha-Chlordane									
1	100	7.531	7.531	0.000	33739312	0.0262			
2	100	9.296	9.296	0.000	16783293	0.0275			
						RPD = 4.99			
14 Endosulfan I									
1	100	7.804	7.804	0.000	30839515	0.0268			
2	100	9.362	9.362	0.000	15335972	0.0289			
						RPD = 7.58			
2 4,4'-DDE									
1	100	7.906	7.906	0.000	31916678	0.0252			
2	100	9.742	9.742	0.000	15791943	0.0259			
						RPD = 2.72			
13 Dieldrin									
1	100	8.364	8.364	0.000	33074878	0.0261			
2	100	9.889	9.889	0.000	16365360	0.0275			
						RPD = 5.44			
17 Endrin									
1	100	8.821	8.821	0.000	31703138	0.0267			
2	100	10.412	10.412	0.000	15806043	0.0295			
						RPD = 10.11			
1 4,4'-DDD									
1	100	9.186	9.186	0.000	29506401	0.0304			
2	100	10.751	10.751	0.000	14511323	0.0339			
						RPD = 10.98			
15 Endosulfan II									
1	100	9.273	9.273	0.000	28809884	0.0263			
2	100	10.784	10.784	0.000	14143377	0.0291			
						RPD = 10.14			
3 4,4'-DDT									
1	100	9.711	9.711	0.000	19053015	0.0207			
2	100	11.232	11.232	0.000	8359023	0.0211			
						RPD = 2.26			
18 Endrin aldehyde									
1	100	10.075	10.075	0.000	23429510	0.0266			
2	100	11.350	11.350	0.000	11563942	0.0293			
						RPD = 9.55			
27 Methoxychlor									
1	100	10.672	10.672	0.000	11267866	0.0244			
2	100	12.314	12.314	0.000	4910250	0.0246			
						RPD = 0.78			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.804	10.804	0.000	25971300	0.0265			
2	100	11.766	11.766	0.000	12964239	0.0293			
						RPD = 10.19			
19 Endrin ketone									
1	100	11.206	11.206	0.000	29457719	0.0257			
2	100	12.516	12.516	0.000	14178182	0.0283			
						RPD = 9.39			
$ 10 DCB Decachlorobiphenyl									
1	100	12.850	12.850	0.000	24201280	0.0252			
2	100	14.229	14.229	0.000	12549761	0.0261			
						RPD = 3.52			

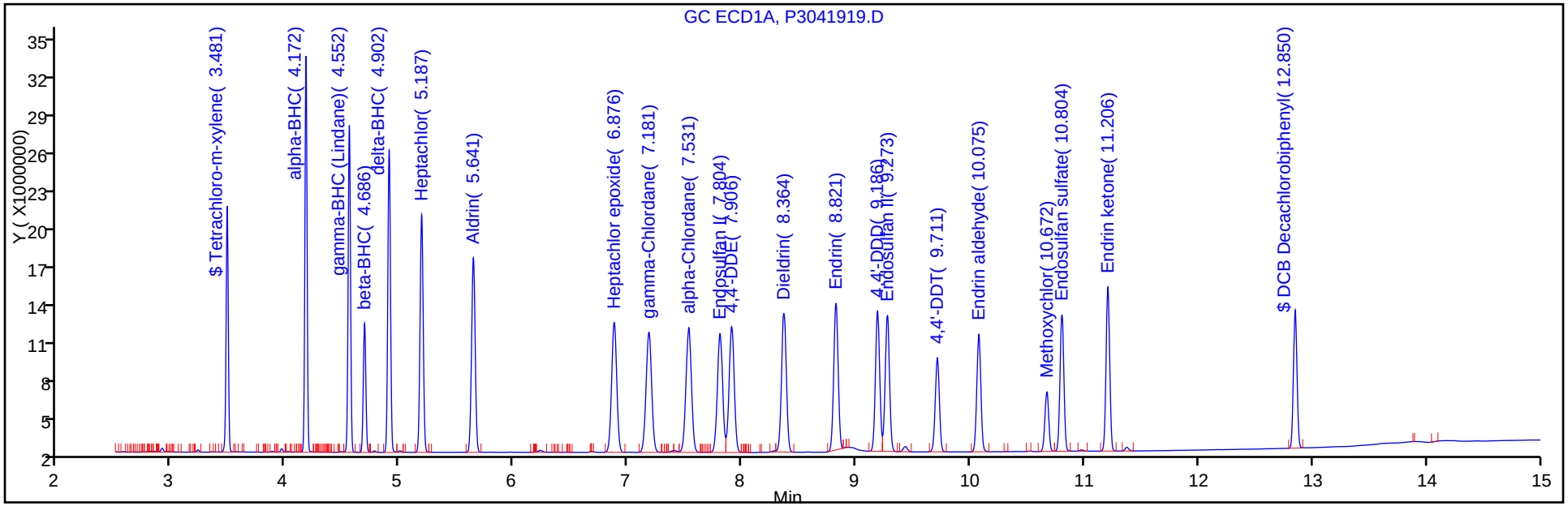
Report Date: 20-Apr-2013 07:39:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

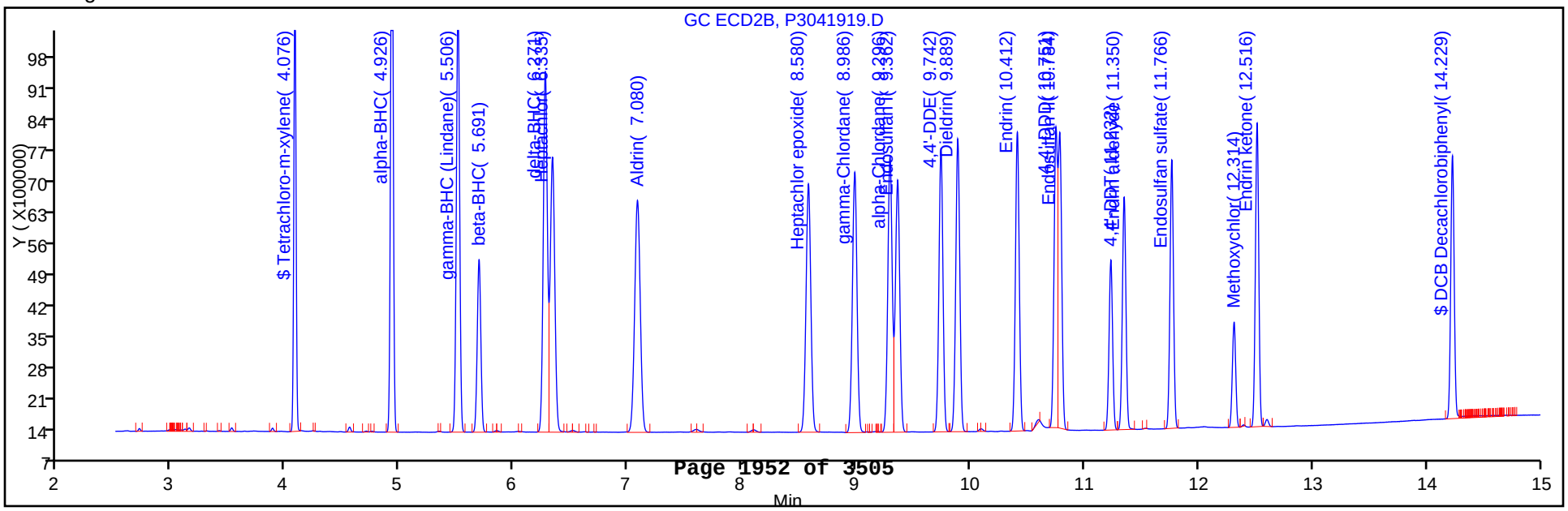
Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041919.D

Injection Date:	19-Apr-2013 16:58:15	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	19
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/19 Calibration Date: 04/19/2013 16:58

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3041919.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	881446200		0.0286	0.0250	14.5	20.0
gamma-BHC (Lindane)	Ave	677058072	787505280		0.0291	0.0250	16.3	20.0
beta-BHC	Ave	295707343	343775680		0.0291	0.0250	16.3	20.0
delta-BHC	Ave	695621800	826191520		0.0297	0.0250	18.8	20.0
Heptachlor	Ave	582970513	692667360		0.0297	0.0250	18.8	20.0
Aldrin	Ave	666083583	718520800		0.0270	0.0250	7.9	20.0
Heptachlor epoxide	Ave	581320598	661930360		0.0285	0.0250	13.9	20.0
gamma-Chlordane	Ave	586604093	662453440		0.0282	0.0250	12.9	20.0
alpha-Chlordane	Ave	610326008	671331720		0.0275	0.0250	10.0	20.0
Endosulfan I	Ave	531325762	613438880		0.0289	0.0250	15.5	20.0
4,4'-DDE	Ave	609850598	631677720		0.0259	0.0250	3.6	20.0
Dieldrin	Ave	594383876	654614400		0.0275	0.0250	10.1	20.0
Endrin	Ave	535793583	632241720		0.0295	0.0250	18.0	20.0
4,4'-DDD	Ave	427546511	580452920		0.0339	0.0250	35.8*	20.0
Endosulfan II	Ave	485472127	565735080		0.0291	0.0250	16.5	20.0
4,4'-DDT	Ave	395546624	334360920		0.0211	0.0250	-15.5	20.0
Endrin aldehyde	Ave	395073591	462557680		0.0293	0.0250	17.1	20.0
Endosulfan sulfate	Ave	442236050	518569560		0.0293	0.0250	17.3	20.0
Methoxychlor	Ave	199518519	196410000		0.0246	0.0250	-1.6	20.0
Endrin ketone	Ave	501538938	567127280		0.0283	0.0250	13.1	20.0
Tetrachloro-m-xylene	Ave	603960426	553570120		0.0229	0.0250	-8.3	20.0
DCB Decachlorobiphenyl	Ave	480698861	501990440		0.0261	0.0250	4.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82685/19 Calibration Date: 04/19/2013 16:58

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3041919.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.93	4.90	4.96
gamma-BHC (Lindane)	5.51	5.48	5.54
beta-BHC	5.69	5.66	5.72
delta-BHC	6.27	6.24	6.30
Heptachlor	6.34	6.31	6.37
Aldrin	7.08	7.05	7.11
Heptachlor epoxide	8.58	8.55	8.61
gamma-Chlordane	8.99	8.96	9.02
alpha-Chlordane	9.30	9.27	9.33
Endosulfan I	9.36	9.33	9.39
4,4'-DDE	9.74	9.71	9.77
Dieldrin	9.89	9.86	9.92
Endrin	10.41	10.38	10.44
4,4'-DDD	10.75	10.72	10.78
Endosulfan II	10.78	10.75	10.81
4,4'-DDT	11.23	11.20	11.26
Endrin aldehyde	11.35	11.32	11.38
Endosulfan sulfate	11.77	11.74	11.80
Methoxychlor	12.31	12.28	12.34
Endrin ketone	12.52	12.49	12.55
Tetrachloro-m-xylene	4.08	4.05	4.11
DCB Decachlorobiphenyl	14.23	14.20	14.26

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041919.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 19-Apr-2013 16:58:15 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019054-019
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 82685 Lims Sample ID: 19
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m
Last Update: 20-Apr-2013 07:39:45 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 20-Apr-2013 07:08:46

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.481	3.481	0.000	26383212	0.0240			
2	100	4.076	4.076	0.000	13839253	0.0229			
						RPD = 4.55			
5 alpha-BHC									
1	100	4.172	4.172	0.000	42723022	0.0263			
2	100	4.926	4.926	0.000	22036155	0.0286			
						RPD = 8.41			
20 gamma-BHC (Lindane)									
1	100	4.552	4.552	0.000	38459762	0.0264			
2	100	5.506	5.506	0.000	19687632	0.0291			
						RPD = 9.54			
7 beta-BHC									
1	100	4.686	4.686	0.000	16140844	0.0261			
2	100	5.691	5.691	0.000	8594392	0.0291			
						RPD = 10.76			
11 delta-BHC									
1	100	4.902	4.902	0.000	39840092	0.0269			
2	100	6.271	6.271	0.000	20654788	0.0297			
						RPD = 9.81			
22 Heptachlor									
1	100	5.187	5.187	0.000	36598583	0.0284			
2	100	6.335	6.335	0.000	17316684	0.0297			
						RPD = 4.44			
4 Aldrin									
1	100	5.641	5.641	0.000	34599592	0.0254			
2	100	7.080	7.080	0.000	17963020	0.0270			
						RPD = 5.83			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.876	6.876	0.000	32642957	0.0265			
2	100	8.580	8.580	0.000	16548259	0.0285			
						RPD = 7.01			
21 gamma-Chlordane									
1	100	7.181	7.181	0.000	32957895	0.0261			
2	100	8.986	8.986	0.000	16561336	0.0282			
						RPD = 7.91			
6 alpha-Chlordane									
1	100	7.531	7.531	0.000	33739312	0.0262			
2	100	9.296	9.296	0.000	16783293	0.0275			
						RPD = 4.99			
14 Endosulfan I									
1	100	7.804	7.804	0.000	30839515	0.0268			
2	100	9.362	9.362	0.000	15335972	0.0289			
						RPD = 7.58			
2 4,4'-DDE									
1	100	7.906	7.906	0.000	31916678	0.0252			
2	100	9.742	9.742	0.000	15791943	0.0259			
						RPD = 2.72			
13 Dieldrin									
1	100	8.364	8.364	0.000	33074878	0.0261			
2	100	9.889	9.889	0.000	16365360	0.0275			
						RPD = 5.44			
17 Endrin									
1	100	8.821	8.821	0.000	31703138	0.0267			
2	100	10.412	10.412	0.000	15806043	0.0295			
						RPD = 10.11			
1 4,4'-DDD									
1	100	9.186	9.186	0.000	29506401	0.0304			
2	100	10.751	10.751	0.000	14511323	0.0339			
						RPD = 10.98			
15 Endosulfan II									
1	100	9.273	9.273	0.000	28809884	0.0263			
2	100	10.784	10.784	0.000	14143377	0.0291			
						RPD = 10.14			
3 4,4'-DDT									
1	100	9.711	9.711	0.000	19053015	0.0207			
2	100	11.232	11.232	0.000	8359023	0.0211			
						RPD = 2.26			
18 Endrin aldehyde									
1	100	10.075	10.075	0.000	23429510	0.0266			
2	100	11.350	11.350	0.000	11563942	0.0293			
						RPD = 9.55			
27 Methoxychlor									
1	100	10.672	10.672	0.000	11267866	0.0244			
2	100	12.314	12.314	0.000	4910250	0.0246			
						RPD = 0.78			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.804	10.804	0.000	25971300	0.0265			
2	100	11.766	11.766	0.000	12964239	0.0293			
						RPD = 10.19			
19 Endrin ketone									
1	100	11.206	11.206	0.000	29457719	0.0257			
2	100	12.516	12.516	0.000	14178182	0.0283			
						RPD = 9.39			
$ 10 DCB Decachlorobiphenyl									
1	100	12.850	12.850	0.000	24201280	0.0252			
2	100	14.229	14.229	0.000	12549761	0.0261			
						RPD = 3.52			

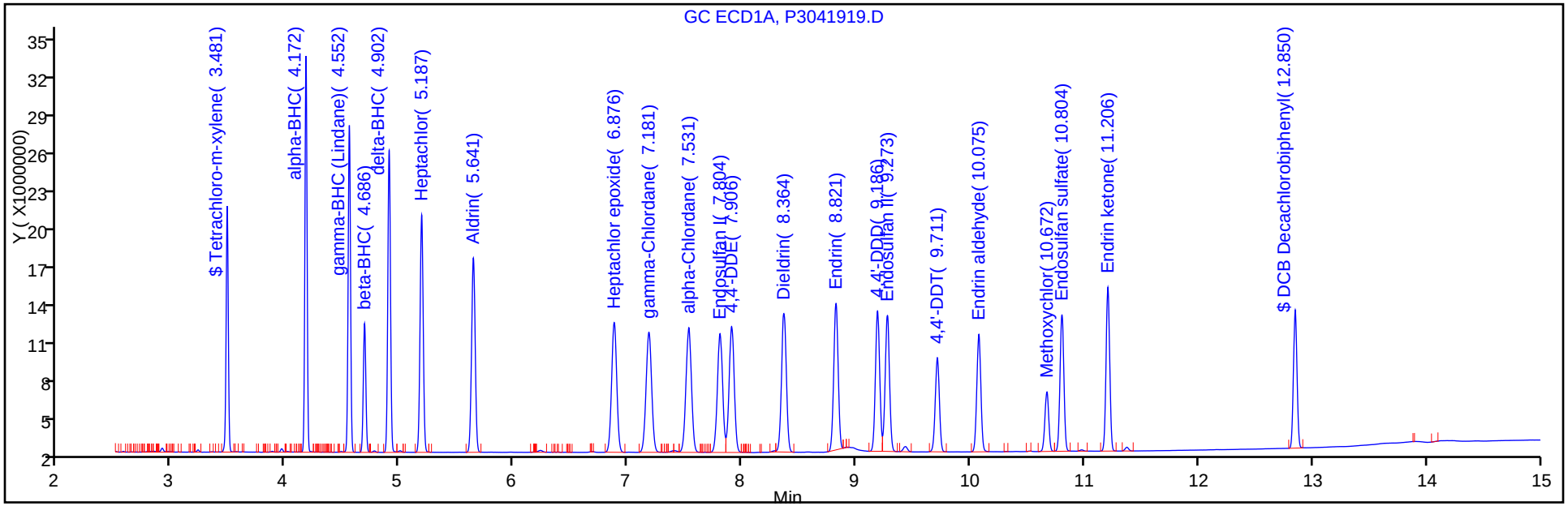
Report Date: 20-Apr-2013 07:39:45 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

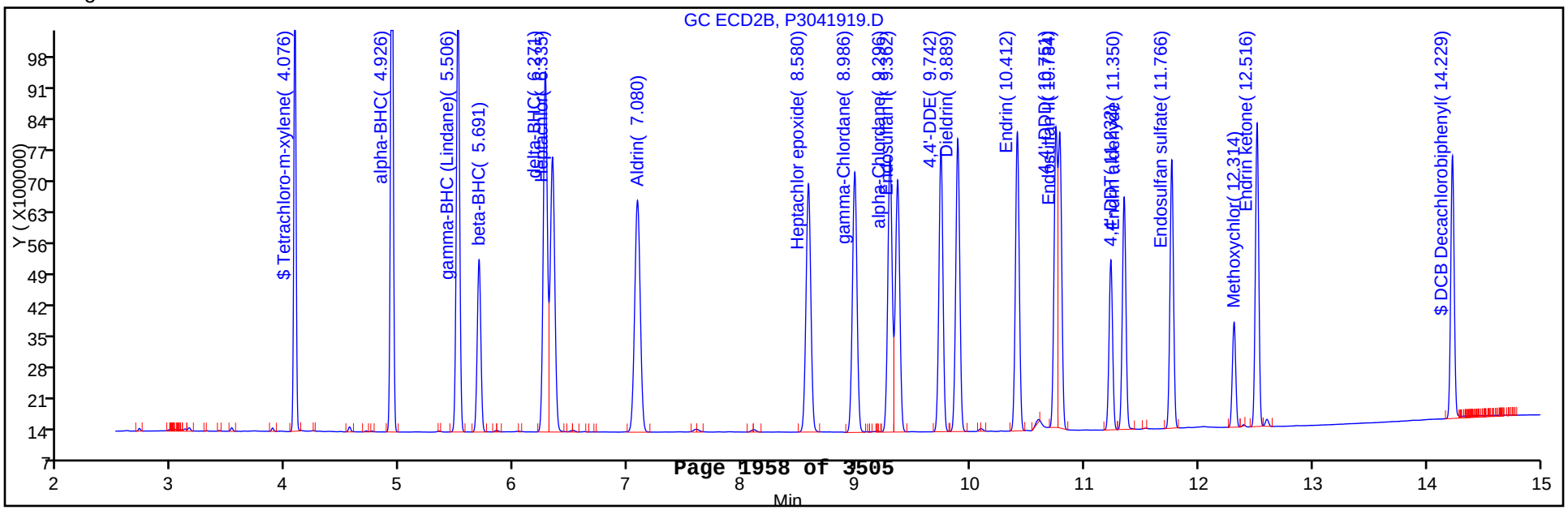
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Injection Date:	19-Apr-2013 16:58:15	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	19
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/5 Calibration Date: 04/20/2013 14:22

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1452774080		0.0224	0.0250	-10.5	20.0
gamma-BHC (Lindane)	Ave	1455203462	1231019720		0.0211	0.0250	-15.4	20.0
beta-BHC	Ave	618486639	532458920		0.0215	0.0250	-13.9	20.0
delta-BHC	Ave	1480196914	1275005240		0.0215	0.0250	-13.9	20.0
Heptachlor	Ave	1288059053	1027747240		0.0199	0.0250	-20.2*	20.0
Aldrin	Ave	1359987606	1212822640		0.0223	0.0250	-10.8	20.0
Heptachlor epoxide	Ave	1229987574	1053630520		0.0214	0.0250	-14.3	20.0
gamma-Chlordane	Ave	1263492565	1043915640		0.0207	0.0250	-17.4	20.0
alpha-Chlordane	Ave	1289702829	1106790400		0.0215	0.0250	-14.2	20.0
Endosulfan I	Ave	1152636801	949849800		0.0206	0.0250	-17.6	20.0
4,4'-DDE	Ave	1266505227	1148079680		0.0227	0.0250	-9.4	20.0
Dieldrin	Ave	1268423751	1090361160		0.0215	0.0250	-14.0	20.0
Endrin	Ave	1189138903	968297000		0.0204	0.0250	-18.6	20.0
4,4'-DDD	Ave	970323691	791976320		0.0204	0.0250	-18.4	20.0
Endosulfan II	Ave	1094573989	875664600		0.0200	0.0250	-20.0	20.0
4,4'-DDT	Ave	922210777	721657000		0.0196	0.0250	-21.7*	20.0
Endrin aldehyde	Ave	880698493	650845080		0.0185	0.0250	-26.1*	20.0
Methoxychlor	Ave	461419504	372980080		0.0202	0.0250	-19.2	20.0
Endosulfan sulfate	Ave	981061458	843676200		0.0215	0.0250	-14.0	20.0
Endrin ketone	Ave	1144648217	909696360		0.0199	0.0250	-20.5*	20.0
Tetrachloro-m-xylene	Ave	1100163513	1035867160		0.0235	0.0250	-5.8	20.0
DCB Decachlorobiphenyl	Ave	960238458	948607440		0.0247	0.0250	-1.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/5 Calibration Date: 04/20/2013 14:22

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042005.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.89	4.86	4.92
Heptachlor	5.17	5.14	5.20
Aldrin	5.62	5.59	5.65
Heptachlor epoxide	6.84	6.81	6.87
gamma-Chlordane	7.14	7.11	7.17
alpha-Chlordane	7.49	7.46	7.52
Endosulfan I	7.76	7.73	7.79
4,4'-DDE	7.87	7.84	7.90
Dieldrin	8.33	8.30	8.36
Endrin	8.79	8.76	8.82
4,4'-DDD	9.15	9.12	9.18
Endosulfan II	9.24	9.21	9.27
4,4'-DDT	9.68	9.65	9.71
Endrin aldehyde	10.04	10.01	10.07
Methoxychlor	10.64	10.61	10.67
Endosulfan sulfate	10.77	10.74	10.80
Endrin ketone	11.17	11.14	11.20
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.79	12.76	12.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042005.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 20-Apr-2013 14:22:38 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0019105-005
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 82857 Lims Sample ID: 5
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:30:54 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 22-Apr-2013 09:18:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.474	3.474	0.000	25896679	0.0235			
2	100	4.070	4.070	0.000	13539697	0.0224			
						RPD = 4.88			
5 alpha-BHC									
1	100	4.164	4.164	0.000	36319352	0.0224			
2	100	4.924	4.924	0.000	18377771	0.0239			
						RPD = 6.49			
20 gamma-BHC (Lindane)									
1	100	4.541	4.541	0.000	30775493	0.0211			
2	100	5.506	5.506	0.000	15473466	0.0229			
						RPD = 7.75			
7 beta-BHC									
1	100	4.674	4.674	0.000	13311473	0.0215			
2	100	5.692	5.692	0.000	7019744	0.0237			
						RPD = 9.79			
11 delta-BHC									
1	100	4.887	4.887	0.000	31875131	0.0215			
2	100	6.275	6.275	0.000	16140803	0.0232			
						RPD = 7.46			
22 Heptachlor									
1	100	5.169	5.169	0.000	25693681	0.0199			
2	100	6.337	6.337	0.000	12283319	0.0211			
						RPD = 5.47			
4 Aldrin									
1	100	5.616	5.616	0.000	30320566	0.0223			
2	100	7.084	7.084	0.000	15365663	0.0231			
						RPD = 3.41			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.835	6.835	0.000	26340763	0.0214			
2	100	8.584	8.584	0.000	13409421	0.0231			
						RPD = 7.43			
21 gamma-Chlordane									
1	100	7.138	7.138	0.000	26097891	0.0207			
2	100	8.988	8.988	0.000	13176264	0.0225			
						RPD = 8.38			
6 alpha-Chlordane									
1	100	7.486	7.486	0.000	27669760	0.0215			
2	100	9.297	9.297	0.000	13690552	0.0224			
						RPD = 4.45			
14 Endosulfan I									
1	100	7.763	7.763	0.000	23746245	0.0206			
2	100	9.364	9.364	0.000	11678310	0.0220			
						RPD = 6.47			
2 4,4'-DDE									
1	100	7.866	7.866	0.000	28701992	0.0227			
2	100	9.744	9.744	0.000	14043124	0.0230			
						RPD = 1.60			
13 Dieldrin									
1	100	8.326	8.326	0.000	27259029	0.0215			
2	100	9.892	9.892	0.000	13312616	0.0224			
						RPD = 4.13			
17 Endrin									
1	100	8.785	8.785	0.000	24207425	0.0204			
2	100	10.414	10.414	0.000	11704770	0.0218			
						RPD = 7.05			
1 4,4'-DDD									
1	100	9.153	9.153	0.000	19799408	0.0204			
2	100	10.754	10.754	0.000	9474397	0.0222			
						RPD = 8.25			
15 Endosulfan II									
1	100	9.238	9.238	0.000	21891615	0.0200			
2	100	10.785	10.785	0.000	11153280	0.0230			
						RPD = 13.84			
3 4,4'-DDT									
1	100	9.677	9.677	0.000	18041425	0.0196			
2	100	11.236	11.236	0.000	7953879	0.0201			
						RPD = 2.75			
18 Endrin aldehyde									
1	100	10.041	10.041	0.000	16271127	0.0185			
2	100	11.354	11.354	0.000	7949606	0.0201			
						RPD = 8.53			
27 Methoxychlor									
1	100	10.640	10.640	0.000	9324502	0.0202			
2	100	12.321	12.321	0.000	4158697	0.0208			
						RPD = 3.10			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.772	10.772	0.000	21091905	0.0215			
2	100	11.772	11.772	0.000	10368091	0.0234			
						RPD = 8.66			
19 Endrin ketone									
1	100	11.174	11.174	0.000	22742409	0.0199			
2	100	12.523	12.523	0.000	10896623	0.0217			
						RPD = 8.93			
$ 10 DCB Decachlorobiphenyl									
1	100	12.794	12.794	0.000	23715186	0.0247			
2	100	14.245	14.245	0.000	11905266	0.0248			
						RPD = 0.28			

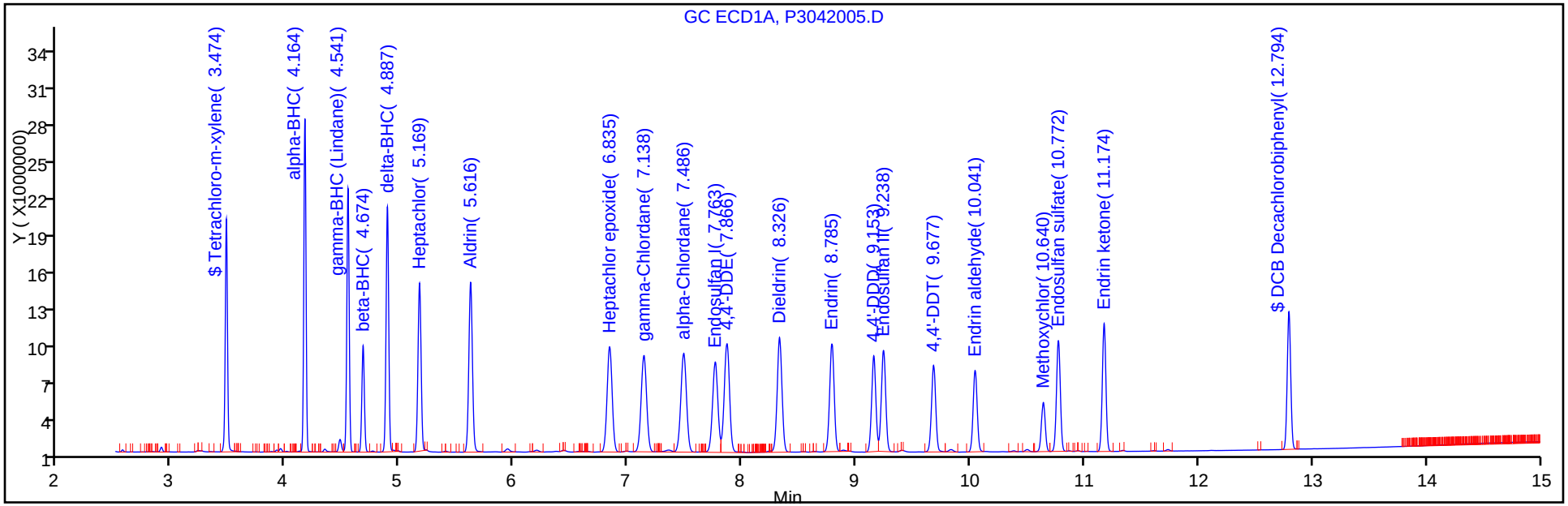
Report Date: 22-Apr-2013 10:30:54 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

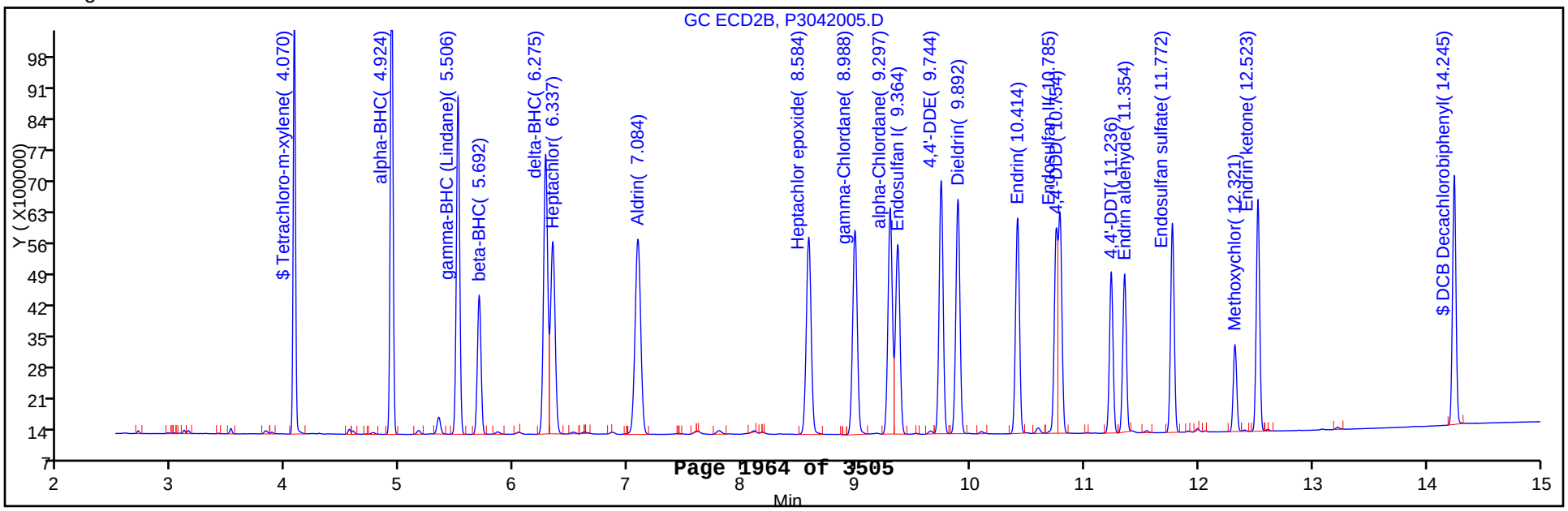
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Injection Date:	20-Apr-2013 14:22:38	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/5 Calibration Date: 04/20/2013 14:22

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	735110840		0.0239	0.0250	-4.5	20.0
gamma-BHC (Lindane)	Ave	677058072	618938640		0.0229	0.0250	-8.6	20.0
beta-BHC	Ave	295707343	280789760		0.0237	0.0250	-5.0	20.0
delta-BHC	Ave	695621800	645632120		0.0232	0.0250	-7.2	20.0
Heptachlor	Ave	582970513	491332760		0.0211	0.0250	-15.7	20.0
Aldrin	Ave	666083583	614626520		0.0231	0.0250	-7.7	20.0
Heptachlor epoxide	Ave	581320598	536376840		0.0231	0.0250	-7.7	20.0
gamma-Chlordane	Ave	586604093	527050560		0.0225	0.0250	-10.2	20.0
alpha-Chlordane	Ave	610326008	547622080		0.0224	0.0250	-10.3	20.0
Endosulfan I	Ave	531325762	467132400		0.0220	0.0250	-12.1	20.0
4,4'-DDE	Ave	609850598	561724960		0.0230	0.0250	-7.9	20.0
Dieldrin	Ave	594383876	532504640		0.0224	0.0250	-10.4	20.0
Endrin	Ave	535793583	468190800		0.0218	0.0250	-12.6	20.0
4,4'-DDD	Ave	427546511	378975880		0.0222	0.0250	-11.4	20.0
Endosulfan II	Ave	485472127	446131200		0.0230	0.0250	-8.1	20.0
4,4'-DDT	Ave	395546624	318155160		0.0201	0.0250	-19.6	20.0
Endrin aldehyde	Ave	395073591	317984240		0.0201	0.0250	-19.5	20.0
Endosulfan sulfate	Ave	442236050	414723640		0.0234	0.0250	-6.2	20.0
Methoxychlor	Ave	199518519	166347880		0.0208	0.0250	-16.6	20.0
Endrin ketone	Ave	501538938	435864920		0.0217	0.0250	-13.1	20.0
Tetrachloro-m-xylene	Ave	603960426	541587880		0.0224	0.0250	-10.3	20.0
DCB Decachlorobiphenyl	Ave	480698861	476210640		0.0248	0.0250	-0.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/5 Calibration Date: 04/20/2013 14:22

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042005.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.51	5.48	5.54
beta-BHC	5.69	5.66	5.72
delta-BHC	6.28	6.25	6.31
Heptachlor	6.34	6.31	6.37
Aldrin	7.08	7.05	7.11
Heptachlor epoxide	8.58	8.55	8.61
gamma-Chlordane	8.99	8.96	9.02
alpha-Chlordane	9.30	9.27	9.33
Endosulfan I	9.36	9.33	9.39
4,4'-DDE	9.74	9.71	9.77
Dieldrin	9.89	9.86	9.92
Endrin	10.41	10.38	10.44
4,4'-DDD	10.75	10.72	10.78
Endosulfan II	10.79	10.76	10.82
4,4'-DDT	11.24	11.21	11.27
Endrin aldehyde	11.35	11.32	11.38
Endosulfan sulfate	11.77	11.74	11.80
Methoxychlor	12.32	12.29	12.35
Endrin ketone	12.52	12.49	12.55
Tetrachloro-m-xylene	4.07	4.04	4.10
DCB Decachlorobiphenyl	14.25	14.22	14.28

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042005.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 20-Apr-2013 14:22:38 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0019105-005
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 82857 Lims Sample ID: 5
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:30:54 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 22-Apr-2013 09:18:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.474	3.474	0.000	25896679	0.0235			
2	100	4.070	4.070	0.000	13539697	0.0224			
						RPD = 4.88			
5 alpha-BHC									
1	100	4.164	4.164	0.000	36319352	0.0224			
2	100	4.924	4.924	0.000	18377771	0.0239			
						RPD = 6.49			
20 gamma-BHC (Lindane)									
1	100	4.541	4.541	0.000	30775493	0.0211			
2	100	5.506	5.506	0.000	15473466	0.0229			
						RPD = 7.75			
7 beta-BHC									
1	100	4.674	4.674	0.000	13311473	0.0215			
2	100	5.692	5.692	0.000	7019744	0.0237			
						RPD = 9.79			
11 delta-BHC									
1	100	4.887	4.887	0.000	31875131	0.0215			
2	100	6.275	6.275	0.000	16140803	0.0232			
						RPD = 7.46			
22 Heptachlor									
1	100	5.169	5.169	0.000	25693681	0.0199			
2	100	6.337	6.337	0.000	12283319	0.0211			
						RPD = 5.47			
4 Aldrin									
1	100	5.616	5.616	0.000	30320566	0.0223			
2	100	7.084	7.084	0.000	15365663	0.0231			
						RPD = 3.41			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.835	6.835	0.000	26340763	0.0214			
2	100	8.584	8.584	0.000	13409421	0.0231			
						RPD = 7.43			
21 gamma-Chlordane									
1	100	7.138	7.138	0.000	26097891	0.0207			
2	100	8.988	8.988	0.000	13176264	0.0225			
						RPD = 8.38			
6 alpha-Chlordane									
1	100	7.486	7.486	0.000	27669760	0.0215			
2	100	9.297	9.297	0.000	13690552	0.0224			
						RPD = 4.45			
14 Endosulfan I									
1	100	7.763	7.763	0.000	23746245	0.0206			
2	100	9.364	9.364	0.000	11678310	0.0220			
						RPD = 6.47			
2 4,4'-DDE									
1	100	7.866	7.866	0.000	28701992	0.0227			
2	100	9.744	9.744	0.000	14043124	0.0230			
						RPD = 1.60			
13 Dieldrin									
1	100	8.326	8.326	0.000	27259029	0.0215			
2	100	9.892	9.892	0.000	13312616	0.0224			
						RPD = 4.13			
17 Endrin									
1	100	8.785	8.785	0.000	24207425	0.0204			
2	100	10.414	10.414	0.000	11704770	0.0218			
						RPD = 7.05			
1 4,4'-DDD									
1	100	9.153	9.153	0.000	19799408	0.0204			
2	100	10.754	10.754	0.000	9474397	0.0222			
						RPD = 8.25			
15 Endosulfan II									
1	100	9.238	9.238	0.000	21891615	0.0200			
2	100	10.785	10.785	0.000	11153280	0.0230			
						RPD = 13.84			
3 4,4'-DDT									
1	100	9.677	9.677	0.000	18041425	0.0196			
2	100	11.236	11.236	0.000	7953879	0.0201			
						RPD = 2.75			
18 Endrin aldehyde									
1	100	10.041	10.041	0.000	16271127	0.0185			
2	100	11.354	11.354	0.000	7949606	0.0201			
						RPD = 8.53			
27 Methoxychlor									
1	100	10.640	10.640	0.000	9324502	0.0202			
2	100	12.321	12.321	0.000	4158697	0.0208			
						RPD = 3.10			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.772	10.772	0.000	21091905	0.0215			
2	100	11.772	11.772	0.000	10368091	0.0234			
						RPD = 8.66			
19 Endrin ketone									
1	100	11.174	11.174	0.000	22742409	0.0199			
2	100	12.523	12.523	0.000	10896623	0.0217			
						RPD = 8.93			
$ 10 DCB Decachlorobiphenyl									
1	100	12.794	12.794	0.000	23715186	0.0247			
2	100	14.245	14.245	0.000	11905266	0.0248			
						RPD = 0.28			

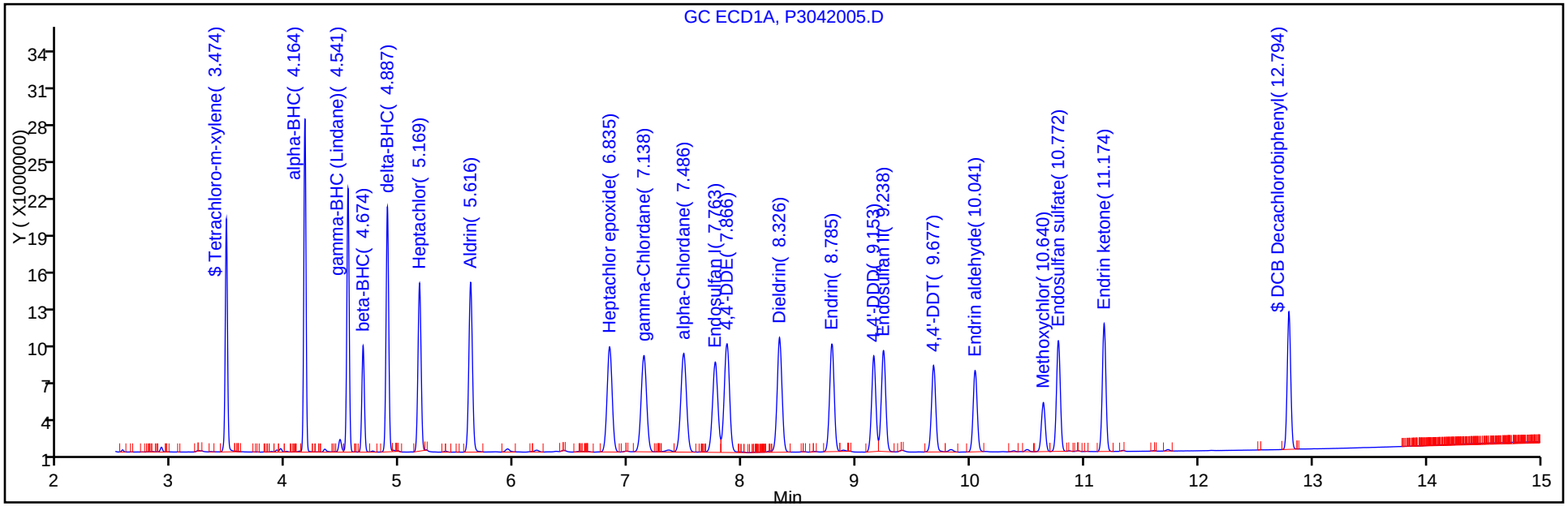
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TestAmerica Canton

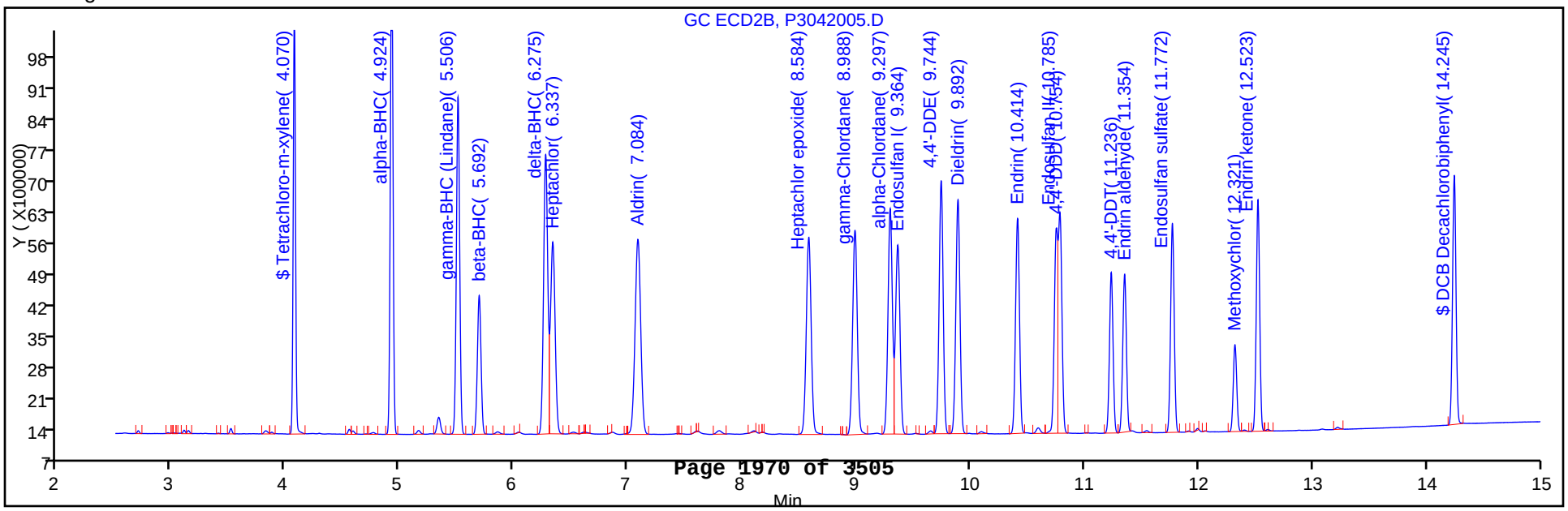
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Injection Date:	20-Apr-2013 14:22:38	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/7 Calibration Date: 04/20/2013 15:02

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3042007.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	39016393		0.797	1.00	-20.3*	20.0
Toxaphene Peak 2	Ave	49795684	39778076		0.799	1.00	-20.1*	20.0
Toxaphene Peak 3	Ave	41014572	30214040		0.737	1.00	-26.3*	20.0
Toxaphene Peak 4	Ave	31176774	24752636		0.794	1.00	-20.6*	20.0
Toxaphene Peak 5	Ave	26157631	20527785		0.785	1.00	-21.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/7 Calibration Date: 04/20/2013 15:02

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3042007.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.23	10.20	10.26
Toxaphene Peak 2	10.58	10.55	10.61
Toxaphene Peak 3	10.73	10.70	10.76
Toxaphene Peak 4	11.14	11.11	11.17
Toxaphene Peak 5	11.42	11.39	11.45

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042007.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 20-Apr-2013 15:02:50 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019105-007
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 82857 Lims Sample ID: 7
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:30:55 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 22-Apr-2013 09:24:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.234	10.234	0.000	39016393	0.7970		100.0	M
1	2	10.577	10.577	0.000	39778076	0.7988	81.1- 121.1	102.0	M
1	3	10.727	10.727	0.000	30214040	0.7367	65.0- 105.0	77.4	M
1	4	11.144	11.144	0.000	24752636	0.7939	43.1- 83.1	63.4	M
1	5	11.417	11.417	0.000	20527785	0.7848	32.5- 72.5	52.6	M
			Average of Peak Amounts =			0.7822			
2	100	10.338	10.338	0.000	15287776	0.9055		100.0	M
2	2	10.933	10.933	0.000	18988738	0.8818	108.3- 148.3	124.2	M
2	3	11.356	11.356	0.000	22562985	0.8668	134.7- 174.7	147.6	M
2	4	12.099	12.099	0.000	25461210	0.8399	157.2- 197.2	166.5	M
2	5	12.662	12.662	0.000	10030417	0.8206	51.7- 91.7	65.6	M
			Average of Peak Amounts =			0.8629			
						RPD = 9.81			

QC Flag Legend

Review Flags
M - Manually Integrated

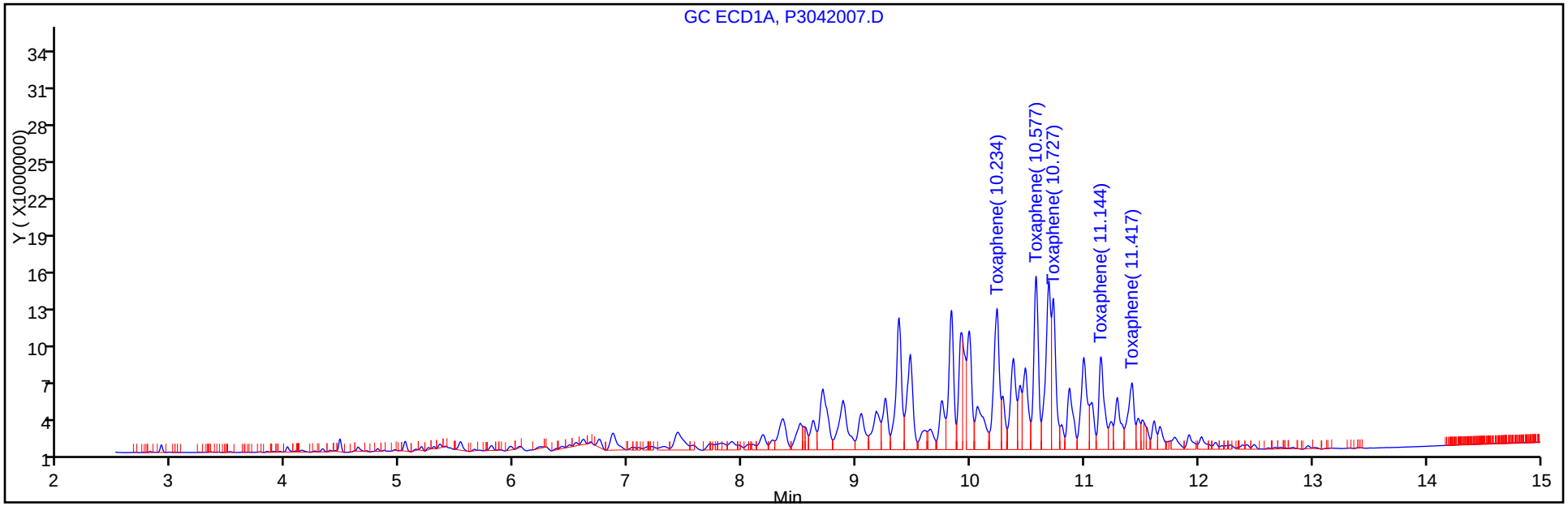
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TestAmerica Canton

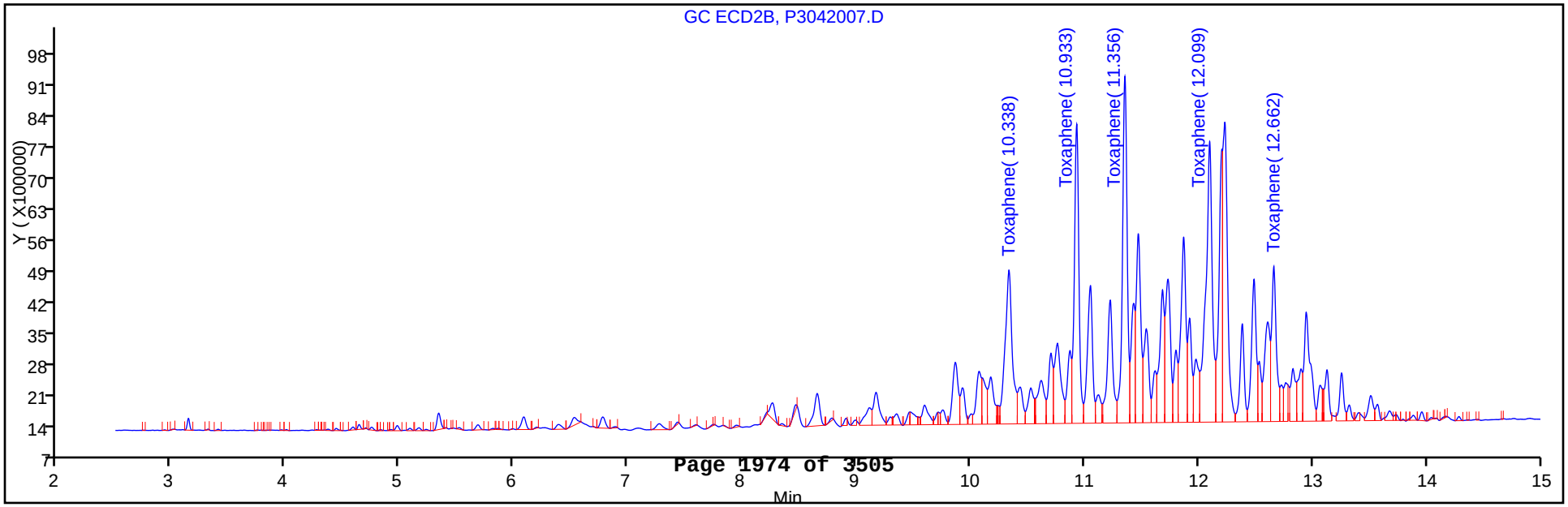
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Injection Date:	20-Apr-2013 15:02:50	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



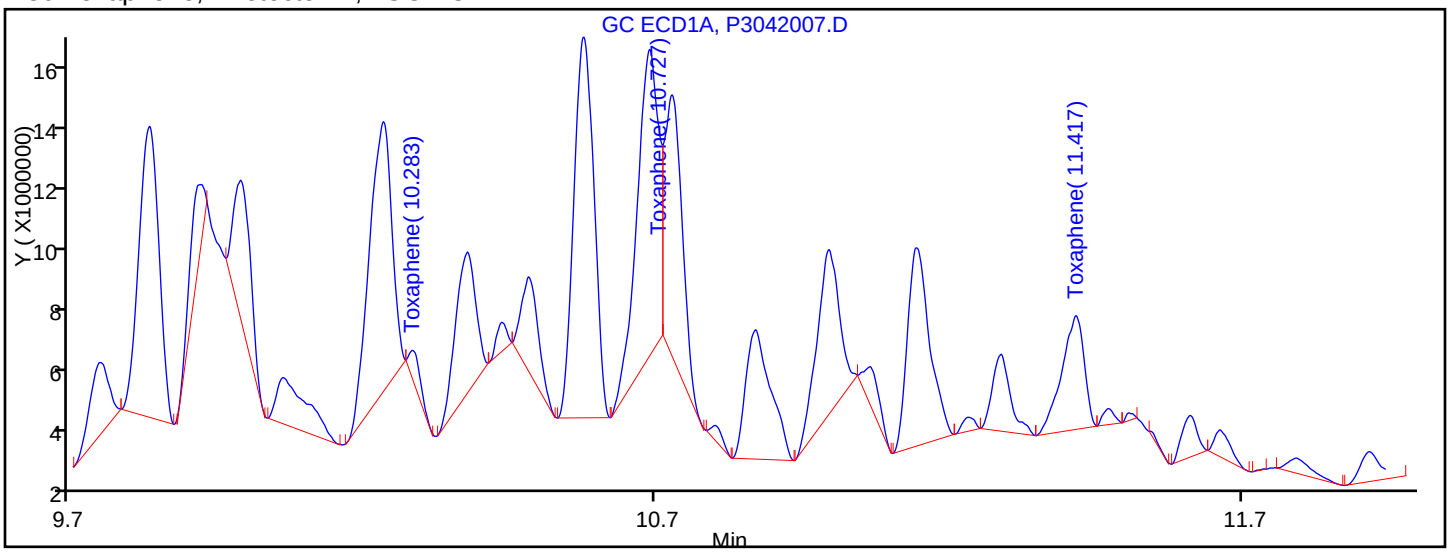
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TestAmerica Canton

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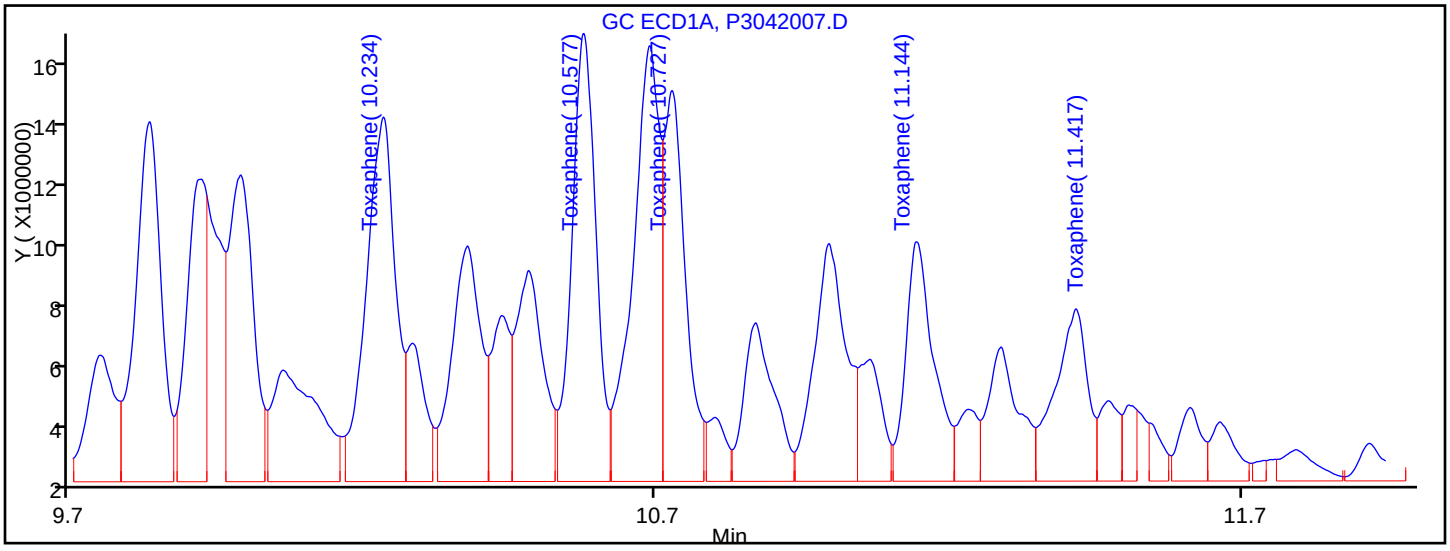
Injection Date:	20-Apr-2013 15:02:50	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.283	Response = 1293321	M
RT = 0.000	Response = 0	M
RT = 10.727	Response = 16422405	M
RT = 0.000	Response = 0	M
RT = 11.417	Response = 9281651	M



Manual Integration Results

RT = 10.234	Response = 39016393	M
RT = 10.577	Response = 39778076	M
RT = 10.727	Response = 30214040	M
RT = 11.144	Response = 24752636	M
RT = 11.417	Response = 20527785	M

Reviewer: shockr, 22-Apr-2013 09:28:14

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/7 Calibration Date: 04/20/2013 15:02

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3042007.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	15287776		0.906	1.00	-9.4	20.0
Toxaphene Peak 2	Ave	21534081	18988738		0.882	1.00	-11.8	20.0
Toxaphene Peak 3	Ave	26029451	22562985		0.867	1.00	-13.3	20.0
Toxaphene Peak 4	Ave	30315481	25461210		0.840	1.00	-16.0	20.0
Toxaphene Peak 5	Ave	12222975	10030417		0.821	1.00	-17.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/7 Calibration Date: 04/20/2013 15:02

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3042007.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.34	10.31	10.37
Toxaphene Peak 2	10.93	10.90	10.96
Toxaphene Peak 3	11.36	11.33	11.39
Toxaphene Peak 4	12.10	12.07	12.13
Toxaphene Peak 5	12.66	12.63	12.69

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042007.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 20-Apr-2013 15:02:50 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019105-007
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 82857 Lims Sample ID: 7
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:30:55 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 22-Apr-2013 09:24:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.234	10.234	0.000	39016393	0.7970		100.0	M
1	2	10.577	10.577	0.000	39778076	0.7988	81.1- 121.1	102.0	M
1	3	10.727	10.727	0.000	30214040	0.7367	65.0- 105.0	77.4	M
1	4	11.144	11.144	0.000	24752636	0.7939	43.1- 83.1	63.4	M
1	5	11.417	11.417	0.000	20527785	0.7848	32.5- 72.5	52.6	M
			Average of Peak Amounts =			0.7822			
2	100	10.338	10.338	0.000	15287776	0.9055		100.0	M
2	2	10.933	10.933	0.000	18988738	0.8818	108.3- 148.3	124.2	M
2	3	11.356	11.356	0.000	22562985	0.8668	134.7- 174.7	147.6	M
2	4	12.099	12.099	0.000	25461210	0.8399	157.2- 197.2	166.5	M
2	5	12.662	12.662	0.000	10030417	0.8206	51.7- 91.7	65.6	M
			Average of Peak Amounts =			0.8629			
						RPD = 9.81			

QC Flag Legend

Review Flags
M - Manually Integrated

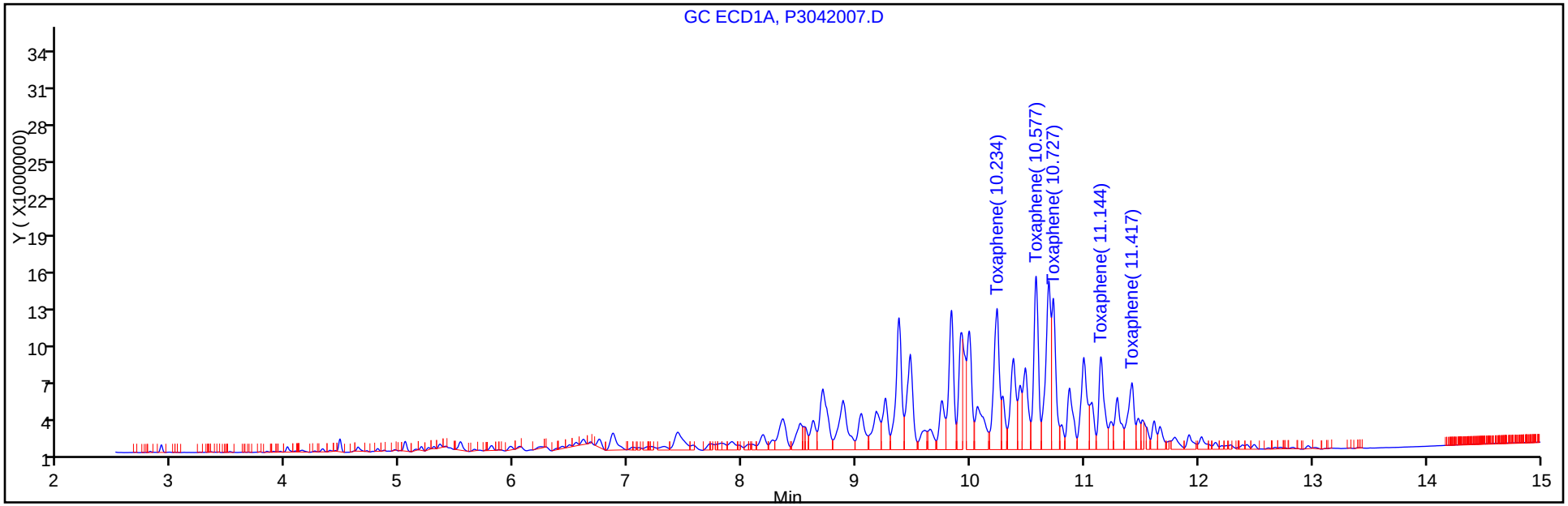
Report Date: 22-Apr-2013 10:30:56 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

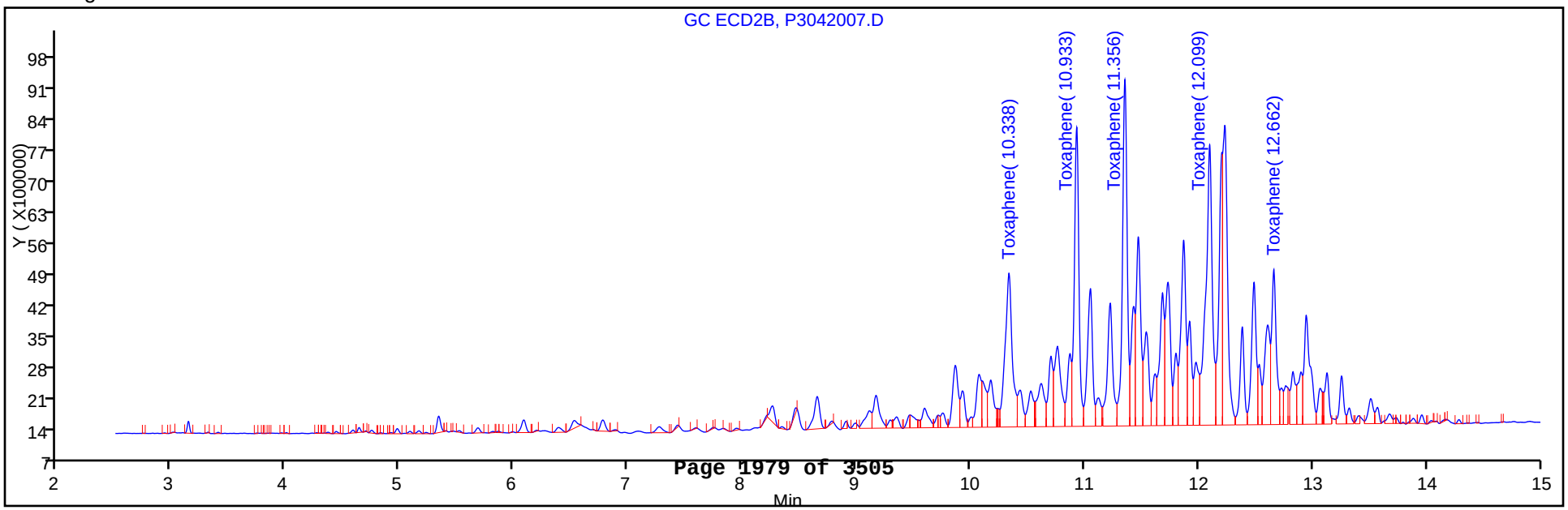
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042007.D

Injection Date:	20-Apr-2013 15:02:50	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



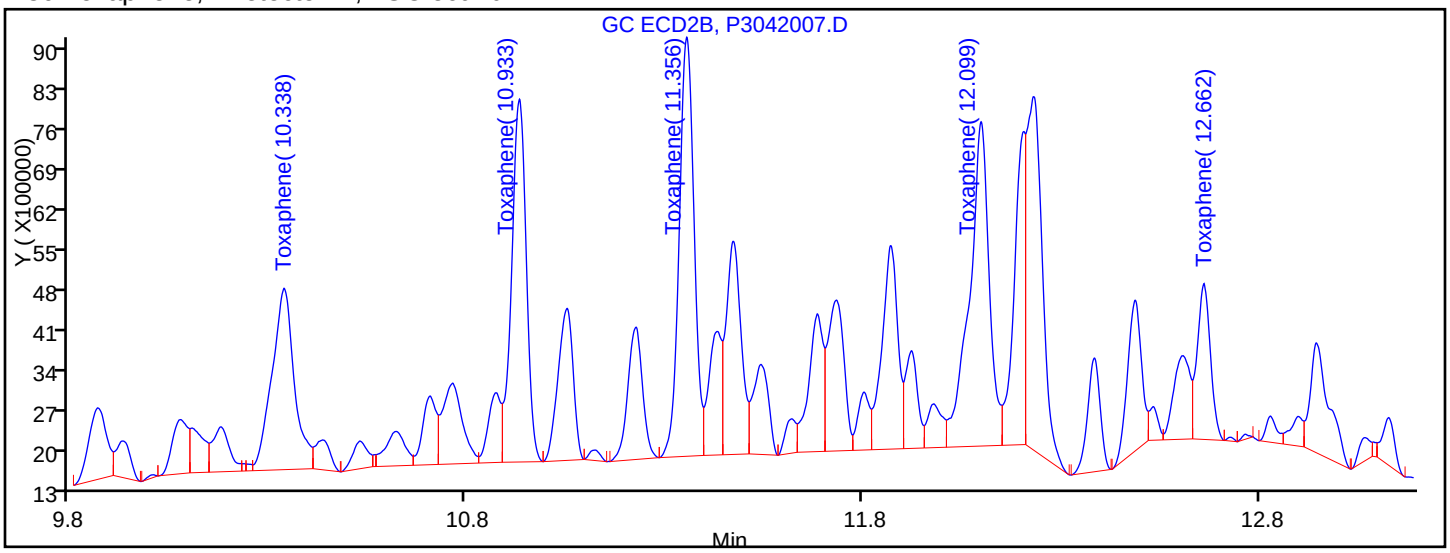
Report Date: 22-Apr-2013 10:30:56 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042007.D

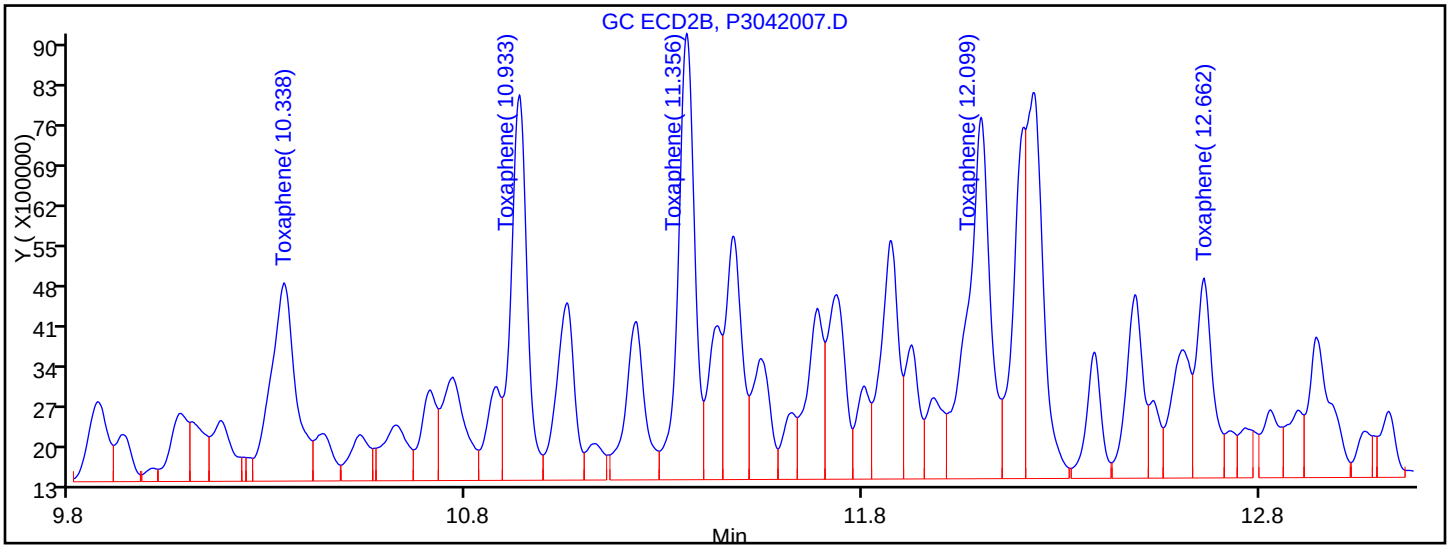
Injection Date:	20-Apr-2013 15:02:50	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	7
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.338	Response = 12413234	M
RT = 10.933	Response = 16316231	M
RT = 11.356	Response = 19083876	M
RT = 12.099	Response = 19713085	M
RT = 12.662	Response = 6279639	M



Manual Integration Results

RT = 10.338	Response = 15287776	M
RT = 10.933	Response = 18988738	M
RT = 11.356	Response = 22562985	M
RT = 12.099	Response = 25461210	M
RT = 12.662	Response = 10030417	M

Reviewer: shockr, 22-Apr-2013 09:24:57

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/15 Calibration Date: 04/20/2013 17:43

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1472968040		0.0227	0.0250	-9.3	20.0
gamma-BHC (Lindane)	Ave	1455203462	1267815440		0.0218	0.0250	-12.9	20.0
beta-BHC	Ave	618486639	532630760		0.0215	0.0250	-13.9	20.0
delta-BHC	Ave	1480196914	1257082800		0.0212	0.0250	-15.1	20.0
Heptachlor	Ave	1288059053	1072587040		0.0208	0.0250	-16.7	20.0
Aldrin	Ave	1359987606	1234375760		0.0227	0.0250	-9.2	20.0
Heptachlor epoxide	Ave	1229987574	1067065160		0.0217	0.0250	-13.2	20.0
gamma-Chlordane	Ave	1263492565	1055812160		0.0209	0.0250	-16.4	20.0
alpha-Chlordane	Ave	1289702829	1101051840		0.0213	0.0250	-14.6	20.0
Endosulfan I	Ave	1152636801	987016600		0.0214	0.0250	-14.4	20.0
4,4'-DDE	Ave	1266505227	1169473720		0.0231	0.0250	-7.7	20.0
Dieldrin	Ave	1268423751	1078708440		0.0213	0.0250	-15.0	20.0
Endrin	Ave	1189138903	1028852560		0.0216	0.0250	-13.5	20.0
4,4'-DDD	Ave	970323691	838254160		0.0216	0.0250	-13.6	20.0
Endosulfan II	Ave	1094573989	918147440		0.0210	0.0250	-16.1	20.0
4,4'-DDT	Ave	922210777	751124720		0.0204	0.0250	-18.6	20.0
Endrin aldehyde	Ave	880698493	695047080		0.0197	0.0250	-21.1*	20.0
Methoxychlor	Ave	461419504	421228840		0.0228	0.0250	-8.7	20.0
Endosulfan sulfate	Ave	981061458	854039840		0.0218	0.0250	-12.9	20.0
Endrin ketone	Ave	1144648217	987873760		0.0216	0.0250	-13.7	20.0
Tetrachloro-m-xylene	Ave	1100163513	1039145760		0.0236	0.0250	-5.5	20.0
DCB Decachlorobiphenyl	Ave	960238458	981088240		0.0255	0.0250	2.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/15 Calibration Date: 04/20/2013 17:43

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042015.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.68	4.65	4.71
delta-BHC	4.89	4.86	4.92
Heptachlor	5.17	5.14	5.20
Aldrin	5.62	5.59	5.65
Heptachlor epoxide	6.84	6.81	6.87
gamma-Chlordane	7.14	7.11	7.17
alpha-Chlordane	7.49	7.46	7.52
Endosulfan I	7.76	7.73	7.79
4,4'-DDE	7.87	7.84	7.90
Dieldrin	8.33	8.30	8.36
Endrin	8.79	8.76	8.82
4,4'-DDD	9.15	9.12	9.18
Endosulfan II	9.24	9.21	9.27
4,4'-DDT	9.68	9.65	9.71
Endrin aldehyde	10.05	10.02	10.08
Methoxychlor	10.64	10.61	10.67
Endosulfan sulfate	10.77	10.74	10.80
Endrin ketone	11.18	11.15	11.21
Tetrachloro-m-xylene	3.48	3.45	3.51
DCB Decachlorobiphenyl	12.80	12.77	12.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042015.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 20-Apr-2013 17:43:59 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019105-015
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 82857 Lims Sample ID: 15
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:31:04 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.475	3.475	0.000	25978644	0.0236			
2	100	4.071	4.071	0.000	13424416	0.0222			
						RPD = 6.05			
5 alpha-BHC									
1	100	4.164	4.164	0.000	36824201	0.0227			
2	100	4.924	4.924	0.000	18453788	0.0240			
						RPD = 5.53			
20 gamma-BHC (Lindane)									
1	100	4.542	4.542	0.000	31695386	0.0218			
2	100	5.506	5.506	0.000	15822892	0.0234			
						RPD = 7.04			
7 beta-BHC									
1	100	4.675	4.675	0.000	13315769	0.0215			
2	100	5.692	5.692	0.000	6978041	0.0236			
						RPD = 9.17			
11 delta-BHC									
1	100	4.888	4.888	0.000	31427070	0.0212			
2	100	6.274	6.274	0.000	15837456	0.0228			
						RPD = 6.98			
22 Heptachlor									
1	100	5.170	5.170	0.000	26814676	0.0208			
2	100	6.336	6.336	0.000	12577486	0.0216			
						RPD = 3.57			
4 Aldrin									
1	100	5.618	5.618	0.000	30859394	0.0227			
2	100	7.082	7.082	0.000	15406958	0.0231			
						RPD = 1.92			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.838	6.838	0.000	26676629	0.0217			
2	100	8.582	8.582	0.000	13375688	0.0230			
						RPD = 5.91			
21 gamma-Chlordane									
1	100	7.138	7.138	0.000	26395304	0.0209			
2	100	8.986	8.986	0.000	13129658	0.0224			
						RPD = 6.89			
6 alpha-Chlordane									
1	100	7.486	7.486	0.000	27526296	0.0213			
2	100	9.296	9.296	0.000	13482574	0.0221			
						RPD = 3.44			
14 Endosulfan I									
1	100	7.763	7.763	0.000	24675415	0.0214			
2	100	9.361	9.361	0.000	12064739	0.0227			
						RPD = 5.89			
2 4,4'-DDE									
1	100	7.866	7.866	0.000	29236843	0.0231			
2	100	9.743	9.743	0.000	14315283	0.0235			
						RPD = 1.67			
13 Dieldrin									
1	100	8.326	8.326	0.000	26967711	0.0213			
2	100	9.891	9.891	0.000	13031051	0.0219			
						RPD = 3.07			
17 Endrin									
1	100	8.787	8.787	0.000	25721314	0.0216			
2	100	10.412	10.412	0.000	12207673	0.0228			
						RPD = 5.20			
1 4,4'-DDD									
1	100	9.153	9.153	0.000	20956354	0.0216			
2	100	10.754	10.754	0.000	10296713	0.0241			
						RPD = 10.88			
15 Endosulfan II									
1	100	9.240	9.240	0.000	22953686	0.0210			
2	100	10.785	10.785	0.000	10985996	0.0226			
						RPD = 7.61			
3 4,4'-DDT									
1	100	9.681	9.681	0.000	18778118	0.0204			
2	100	11.236	11.236	0.000	8196762	0.0207			
						RPD = 1.76			
18 Endrin aldehyde									
1	100	10.045	10.045	0.000	17376177	0.0197			
2	100	11.353	11.353	0.000	8417359	0.0213			
						RPD = 7.68			
27 Methoxychlor									
1	100	10.641	10.641	0.000	10530721	0.0228			
2	100	12.321	12.321	0.000	4626986	0.0232			
						RPD = 1.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.774	10.774	0.000	21350996	0.0218			
2	100	11.772	11.772	0.000	10385712	0.0235			
						RPD = 7.61			
19 Endrin ketone									
1	100	11.176	11.176	0.000	24696844	0.0216			
2	100	12.522	12.522	0.000	11688675	0.0233			
						RPD = 7.71			
$ 10 DCB Decachlorobiphenyl									
1	100	12.796	12.796	0.000	24527206	0.0255			
2	100	14.244	14.244	0.000	12087409	0.0251			
						RPD = 1.57			

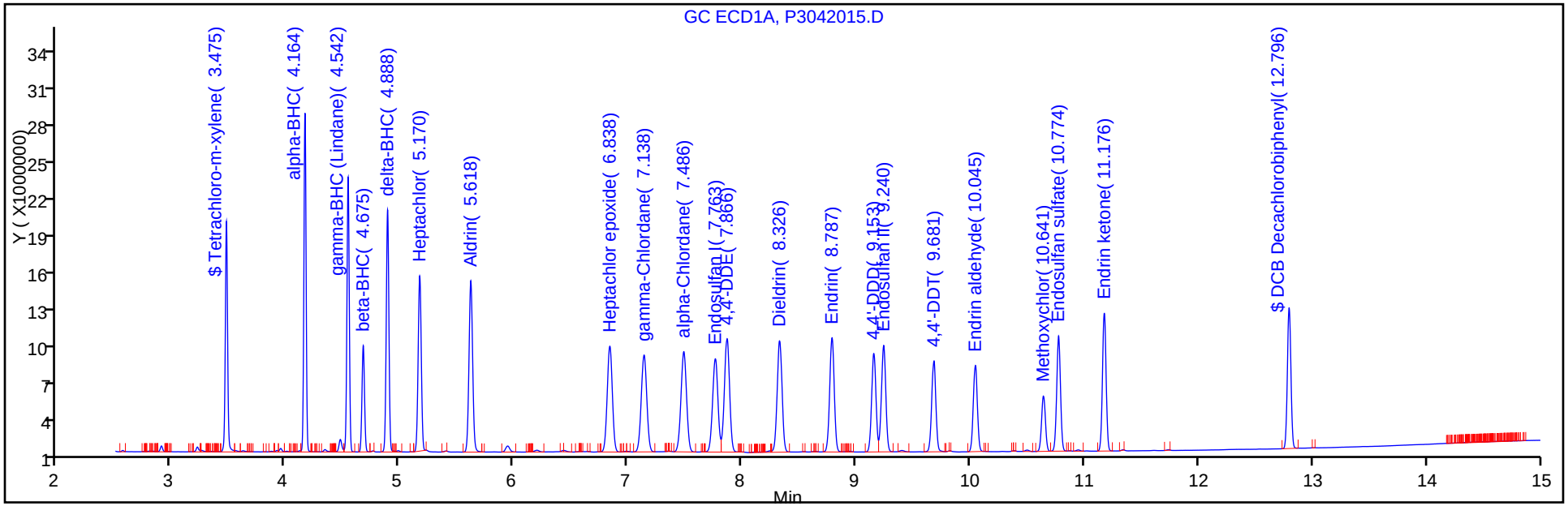
Report Date: 22-Apr-2013 10:31:04 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

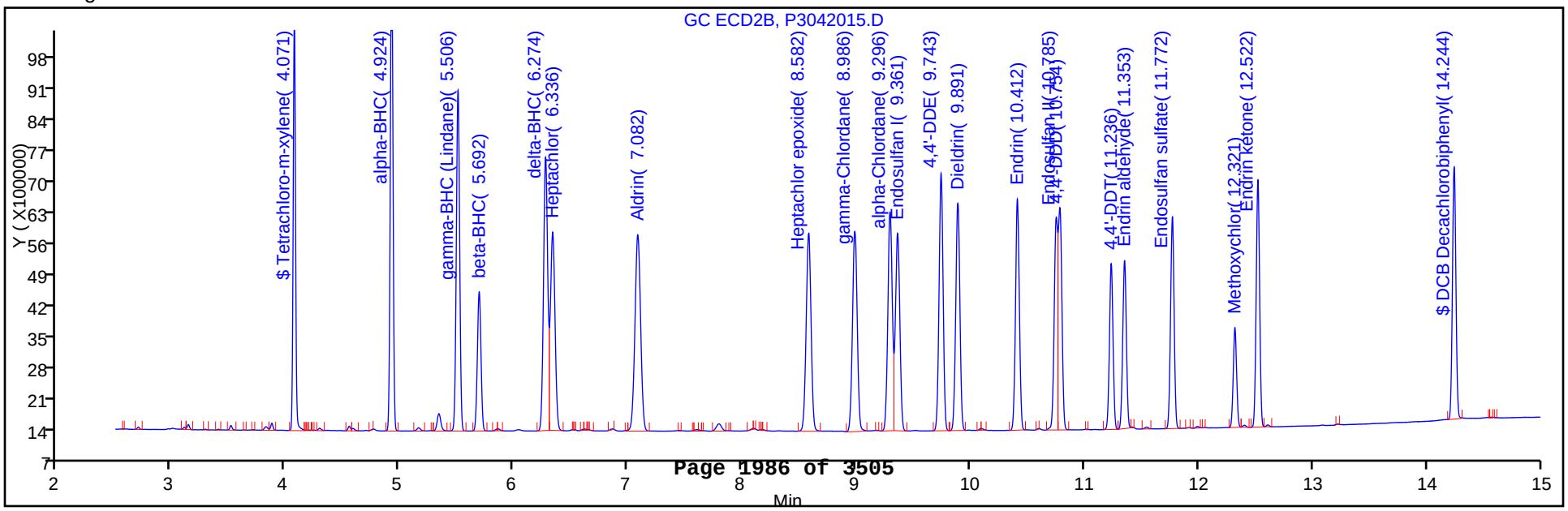
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Injection Date:	20-Apr-2013 17:43:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	15
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/15 Calibration Date: 04/20/2013 17:43

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042015.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	738151520		0.0240	0.0250	-4.1	20.0
gamma-BHC (Lindane)	Ave	677058072	632915680		0.0234	0.0250	-6.5	20.0
beta-BHC	Ave	295707343	279121640		0.0236	0.0250	-5.6	20.0
delta-BHC	Ave	695621800	633498240		0.0228	0.0250	-8.9	20.0
Heptachlor	Ave	582970513	503099440		0.0216	0.0250	-13.7	20.0
Aldrin	Ave	666083583	616278320		0.0231	0.0250	-7.5	20.0
Heptachlor epoxide	Ave	581320598	535027520		0.0230	0.0250	-8.0	20.0
gamma-Chlordane	Ave	586604093	525186320		0.0224	0.0250	-10.5	20.0
alpha-Chlordane	Ave	610326008	539302960		0.0221	0.0250	-11.6	20.0
Endosulfan I	Ave	531325762	482589560		0.0227	0.0250	-9.2	20.0
4,4'-DDE	Ave	609850598	572611320		0.0235	0.0250	-6.1	20.0
Dieldrin	Ave	594383876	521242040		0.0219	0.0250	-12.3	20.0
Endrin	Ave	535793583	488306920		0.0228	0.0250	-8.9	20.0
4,4'-DDD	Ave	427546511	411868520		0.0241	0.0250	-3.7	20.0
Endosulfan II	Ave	485472127	439439840		0.0226	0.0250	-9.5	20.0
4,4'-DDT	Ave	395546624	327870480		0.0207	0.0250	-17.1	20.0
Endrin aldehyde	Ave	395073591	336694360		0.0213	0.0250	-14.8	20.0
Endosulfan sulfate	Ave	442236050	415428480		0.0235	0.0250	-6.1	20.0
Methoxychlor	Ave	199518519	185079440		0.0232	0.0250	-7.2	20.0
Endrin ketone	Ave	501538938	467547000		0.0233	0.0250	-6.8	20.0
Tetrachloro-m-xylene	Ave	603960426	536976640		0.0222	0.0250	-11.1	20.0
DCB Decachlorobiphenyl	Ave	480698861	483496360		0.0251	0.0250	0.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/15 Calibration Date: 04/20/2013 17:43

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042015.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.51	5.48	5.54
beta-BHC	5.69	5.66	5.72
delta-BHC	6.27	6.24	6.30
Heptachlor	6.34	6.31	6.37
Aldrin	7.08	7.05	7.11
Heptachlor epoxide	8.58	8.55	8.61
gamma-Chlordane	8.99	8.96	9.02
alpha-Chlordane	9.30	9.27	9.33
Endosulfan I	9.36	9.33	9.39
4,4'-DDE	9.74	9.71	9.77
Dieldrin	9.89	9.86	9.92
Endrin	10.41	10.38	10.44
4,4'-DDD	10.75	10.72	10.78
Endosulfan II	10.79	10.76	10.82
4,4'-DDT	11.24	11.21	11.27
Endrin aldehyde	11.35	11.32	11.38
Endosulfan sulfate	11.77	11.74	11.80
Methoxychlor	12.32	12.29	12.35
Endrin ketone	12.52	12.49	12.55
Tetrachloro-m-xylene	4.07	4.04	4.10
DCB Decachlorobiphenyl	14.24	14.21	14.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042015.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 20-Apr-2013 17:43:59 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019105-015
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 82857 Lims Sample ID: 15
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:31:04 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.475	3.475	0.000	25978644	0.0236			
2	100	4.071	4.071	0.000	13424416	0.0222			
						RPD = 6.05			
5 alpha-BHC									
1	100	4.164	4.164	0.000	36824201	0.0227			
2	100	4.924	4.924	0.000	18453788	0.0240			
						RPD = 5.53			
20 gamma-BHC (Lindane)									
1	100	4.542	4.542	0.000	31695386	0.0218			
2	100	5.506	5.506	0.000	15822892	0.0234			
						RPD = 7.04			
7 beta-BHC									
1	100	4.675	4.675	0.000	13315769	0.0215			
2	100	5.692	5.692	0.000	6978041	0.0236			
						RPD = 9.17			
11 delta-BHC									
1	100	4.888	4.888	0.000	31427070	0.0212			
2	100	6.274	6.274	0.000	15837456	0.0228			
						RPD = 6.98			
22 Heptachlor									
1	100	5.170	5.170	0.000	26814676	0.0208			
2	100	6.336	6.336	0.000	12577486	0.0216			
						RPD = 3.57			
4 Aldrin									
1	100	5.618	5.618	0.000	30859394	0.0227			
2	100	7.082	7.082	0.000	15406958	0.0231			
						RPD = 1.92			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.838	6.838	0.000	26676629	0.0217			
2	100	8.582	8.582	0.000	13375688	0.0230			
						RPD = 5.91			
21 gamma-Chlordane									
1	100	7.138	7.138	0.000	26395304	0.0209			
2	100	8.986	8.986	0.000	13129658	0.0224			
						RPD = 6.89			
6 alpha-Chlordane									
1	100	7.486	7.486	0.000	27526296	0.0213			
2	100	9.296	9.296	0.000	13482574	0.0221			
						RPD = 3.44			
14 Endosulfan I									
1	100	7.763	7.763	0.000	24675415	0.0214			
2	100	9.361	9.361	0.000	12064739	0.0227			
						RPD = 5.89			
2 4,4'-DDE									
1	100	7.866	7.866	0.000	29236843	0.0231			
2	100	9.743	9.743	0.000	14315283	0.0235			
						RPD = 1.67			
13 Dieldrin									
1	100	8.326	8.326	0.000	26967711	0.0213			
2	100	9.891	9.891	0.000	13031051	0.0219			
						RPD = 3.07			
17 Endrin									
1	100	8.787	8.787	0.000	25721314	0.0216			
2	100	10.412	10.412	0.000	12207673	0.0228			
						RPD = 5.20			
1 4,4'-DDD									
1	100	9.153	9.153	0.000	20956354	0.0216			
2	100	10.754	10.754	0.000	10296713	0.0241			
						RPD = 10.88			
15 Endosulfan II									
1	100	9.240	9.240	0.000	22953686	0.0210			
2	100	10.785	10.785	0.000	10985996	0.0226			
						RPD = 7.61			
3 4,4'-DDT									
1	100	9.681	9.681	0.000	18778118	0.0204			
2	100	11.236	11.236	0.000	8196762	0.0207			
						RPD = 1.76			
18 Endrin aldehyde									
1	100	10.045	10.045	0.000	17376177	0.0197			
2	100	11.353	11.353	0.000	8417359	0.0213			
						RPD = 7.68			
27 Methoxychlor									
1	100	10.641	10.641	0.000	10530721	0.0228			
2	100	12.321	12.321	0.000	4626986	0.0232			
						RPD = 1.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.774	10.774	0.000	21350996	0.0218			
2	100	11.772	11.772	0.000	10385712	0.0235			
						RPD = 7.61			
19 Endrin ketone									
1	100	11.176	11.176	0.000	24696844	0.0216			
2	100	12.522	12.522	0.000	11688675	0.0233			
						RPD = 7.71			
$ 10 DCB Decachlorobiphenyl									
1	100	12.796	12.796	0.000	24527206	0.0255			
2	100	14.244	14.244	0.000	12087409	0.0251			
						RPD = 1.57			

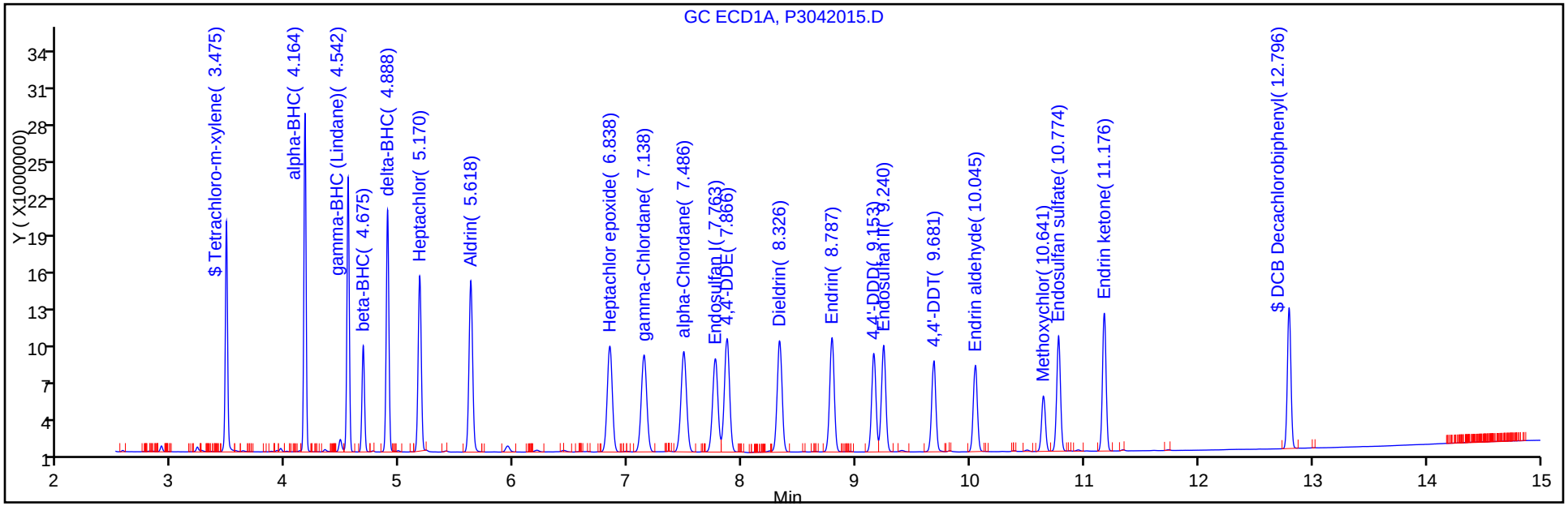
Report Date: 22-Apr-2013 10:31:05 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

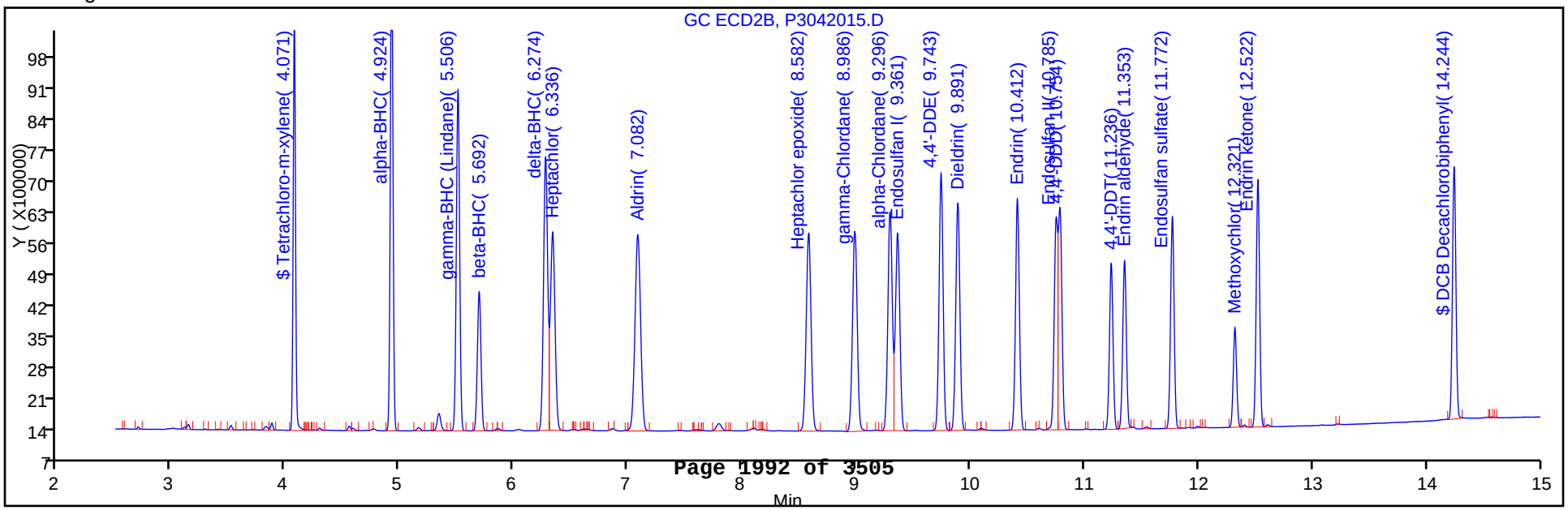
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Injection Date:	20-Apr-2013 17:43:59	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	15
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/27 Calibration Date: 04/20/2013 21:45

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1623707372	1624471360		0.0250	0.0250	0.0	20.0
gamma-BHC (Lindane)	Ave	1455203462	1363275200		0.0234	0.0250	-6.3	20.0
beta-BHC	Ave	618486639	593170600		0.0240	0.0250	-4.1	20.0
delta-BHC	Ave	1480196914	1448134720		0.0245	0.0250	-2.2	20.0
Heptachlor	Ave	1288059053	1042350360		0.0202	0.0250	-19.1	20.0
Aldrin	Ave	1359987606	1340776480		0.0246	0.0250	-1.4	20.0
Heptachlor epoxide	Ave	1229987574	1195665880		0.0243	0.0250	-2.8	20.0
gamma-Chlordane	Ave	1263492565	1217975960		0.0241	0.0250	-3.6	20.0
alpha-Chlordane	Ave	1289702829	1256223880		0.0244	0.0250	-2.6	20.0
Endosulfan I	Ave	1152636801	1085640080		0.0235	0.0250	-5.8	20.0
4,4'-DDE	Ave	1266505227	1212381640		0.0239	0.0250	-4.3	20.0
Dieldrin	Ave	1268423751	1217705320		0.0240	0.0250	-4.0	20.0
Endrin	Ave	1189138903	1065095760		0.0224	0.0250	-10.4	20.0
4,4'-DDD	Ave	970323691	1122996880		0.0289	0.0250	15.7	20.0
Endosulfan II	Ave	1094573989	993013400		0.0227	0.0250	-9.3	20.0
4,4'-DDT	Ave	922210777	376653120		0.0102	0.0250	-59.2*	20.0
Endrin aldehyde	Ave	880698493	726426520		0.0206	0.0250	-17.5	20.0
Methoxychlor	Ave	461419504	236187600		0.0128	0.0250	-48.8*	20.0
Endosulfan sulfate	Ave	981061458	900278680		0.0229	0.0250	-8.2	20.0
Endrin ketone	Ave	1144648217	868671480		0.0190	0.0250	-24.1*	20.0
Tetrachloro-m-xylene	Ave	1100163513	1040396280		0.0236	0.0250	-5.4	20.0
DCB Decachlorobiphenyl	Ave	960238458	907583160		0.0236	0.0250	-5.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/27 Calibration Date: 04/20/2013 21:45

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042027.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.89	4.86	4.92
Heptachlor	5.17	5.14	5.20
Aldrin	5.62	5.59	5.65
Heptachlor epoxide	6.84	6.81	6.87
gamma-Chlordane	7.14	7.11	7.17
alpha-Chlordane	7.48	7.45	7.51
Endosulfan I	7.76	7.73	7.79
4,4'-DDE	7.86	7.83	7.89
Dieldrin	8.33	8.30	8.36
Endrin	8.78	8.75	8.81
4,4'-DDD	9.15	9.12	9.18
Endosulfan II	9.24	9.21	9.27
4,4'-DDT	9.68	9.65	9.71
Endrin aldehyde	10.04	10.01	10.07
Methoxychlor	10.64	10.61	10.67
Endosulfan sulfate	10.77	10.74	10.80
Endrin ketone	11.17	11.14	11.20
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.79	12.76	12.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042027.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 20-Apr-2013 21:45:20 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019105-027
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 82857 Lims Sample ID: 27
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:31:14 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.474	3.474	0.000	26009907	0.0236			
2	100	4.069	4.069	0.000	13390111	0.0222			
						RPD = 6.42			
5 alpha-BHC									
1	100	4.164	4.164	0.000	40611784	0.0250			
2	100	4.923	4.923	0.000	20441329	0.0265			
						RPD = 5.97			
20 gamma-BHC (Lindane)									
1	100	4.540	4.540	0.000	34081880	0.0234			
2	100	5.505	5.505	0.000	17111089	0.0253			
						RPD = 7.61			
7 beta-BHC									
1	100	4.674	4.674	0.000	14829265	0.0240			
2	100	5.690	5.690	0.000	7679142	0.0260			
						RPD = 7.98			
11 delta-BHC									
1	100	4.887	4.887	0.000	36203368	0.0245			
2	100	6.273	6.273	0.000	18601147	0.0267			
						RPD = 8.91			
22 Heptachlor									
1	100	5.168	5.168	0.000	26058759	0.0202			
2	100	6.335	6.335	0.000	11963394	0.0205			
						RPD = 1.43			
4 Aldrin									
1	100	5.618	5.618	0.000	33519412	0.0246			
2	100	7.081	7.081	0.000	17107780	0.0257			
						RPD = 4.12			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.835	6.835	0.000	29891647	0.0243			
2	100	8.581	8.581	0.000	14970428	0.0258			
						RPD = 5.79			
21 gamma-Chlordane									
1	100	7.137	7.137	0.000	30449399	0.0241			
2	100	8.985	8.985	0.000	15090703	0.0257			
						RPD = 6.53			
6 alpha-Chlordane									
1	100	7.484	7.484	0.000	31405597	0.0244			
2	100	9.295	9.295	0.000	15213025	0.0249			
						RPD = 2.33			
14 Endosulfan I									
1	100	7.760	7.760	0.000	27141002	0.0235			
2	100	9.362	9.362	0.000	13154770	0.0248			
						RPD = 5.02			
2 4,4'-DDE									
1	100	7.860	7.860	0.000	30309541	0.0239			
2	100	9.741	9.741	0.000	14541068	0.0238			
						RPD = 0.37			
13 Dieldrin									
1	100	8.327	8.327	0.000	30442633	0.0240			
2	100	9.889	9.889	0.000	14541826	0.0245			
						RPD = 1.92			
17 Endrin									
1	100	8.782	8.782	0.000	26627394	0.0224			
2	100	10.411	10.411	0.000	12521435	0.0234			
						RPD = 4.27			
1 4,4'-DDD									
1	100	9.151	9.151	0.000	28074922	0.0289			
2	100	10.752	10.752	0.000	13848503	0.0324			
						RPD = 11.27			
15 Endosulfan II									
1	100	9.238	9.238	0.000	24825335	0.0227			
2	100	10.783	10.783	0.000	12700794	0.0262			
						RPD = 14.26			
3 4,4'-DDT									
1	100	9.676	9.676	0.000	9416328	0.0102			
2	100	11.234	11.234	0.000	4073391	0.0103			
						RPD = 0.85			
18 Endrin aldehyde									
1	100	10.043	10.043	0.000	18160663	0.0206			
2	100	11.351	11.351	0.000	8513911	0.0216			
						RPD = 4.41			
27 Methoxychlor									
1	100	10.639	10.639	0.000	5904690	0.0128			
2	100	12.319	12.319	0.000	2417555	0.0121			
						RPD = 5.46			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.771	10.771	0.000	22506967	0.0229			
2	100	11.769	11.769	0.000	10991091	0.0249			
						RPD = 8.00			
19 Endrin ketone									
1	100	11.173	11.173	0.000	21716787	0.0190			
2	100	12.521	12.521	0.000	10594774	0.0211			
						RPD = 10.73			
$ 10 DCB Decachlorobiphenyl									
1	100	12.794	12.794	0.000	22689579	0.0236			
2	100	14.242	14.242	0.000	12493078	0.0260			
						RPD = 9.51			

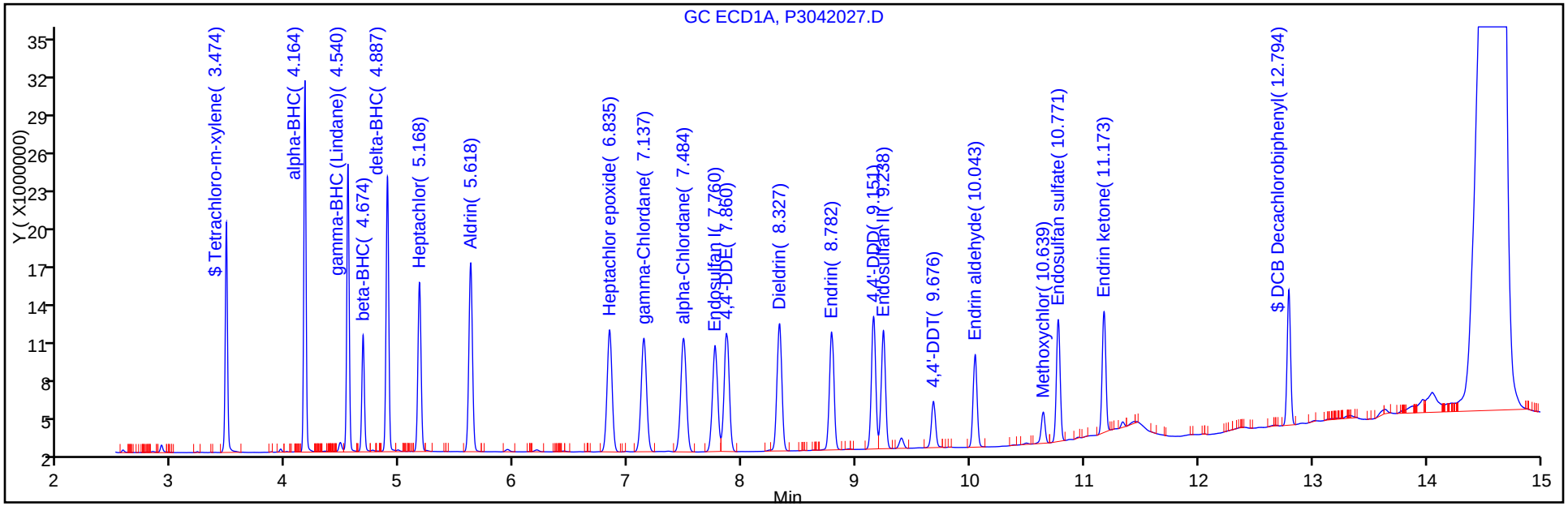
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TestAmerica Canton

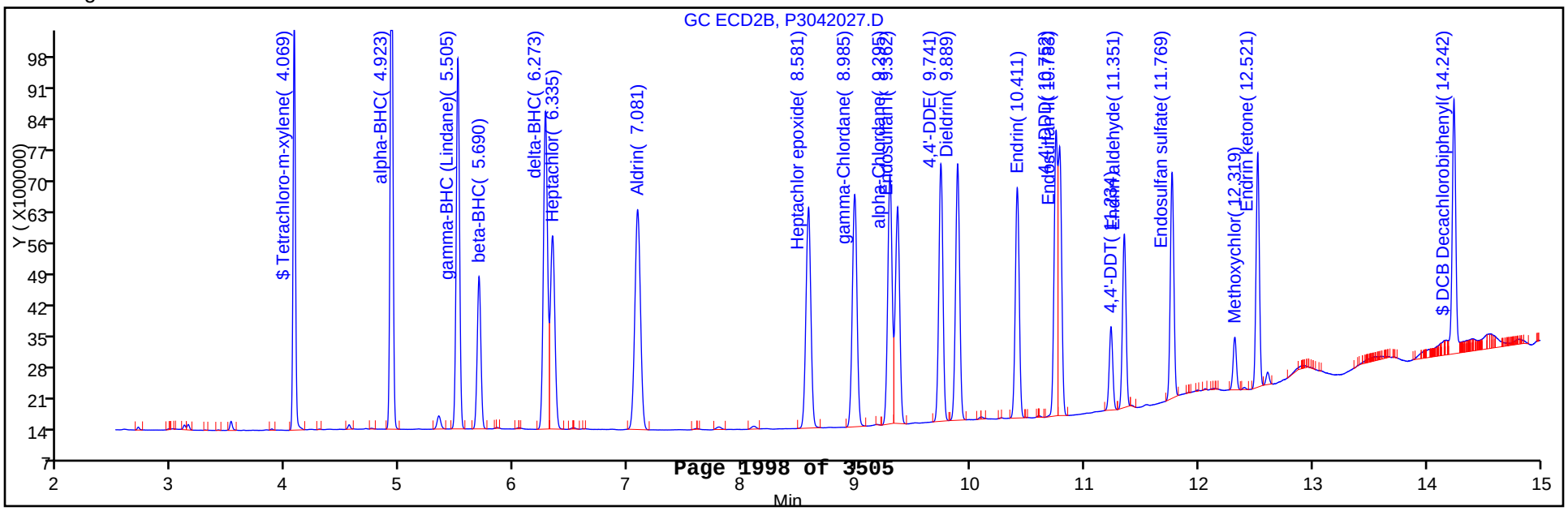
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Injection Date:	20-Apr-2013 21:45:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	27
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/27 Calibration Date: 04/20/2013 21:45

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	769922401	817653160		0.0265	0.0250	6.2	20.0
gamma-BHC (Lindane)	Ave	677058072	684443560		0.0253	0.0250	1.1	20.0
beta-BHC	Ave	295707343	307165680		0.0260	0.0250	3.9	20.0
delta-BHC	Ave	695621800	744045880		0.0267	0.0250	7.0	20.0
Heptachlor	Ave	582970513	478535760		0.0205	0.0250	-17.9	20.0
Aldrin	Ave	666083583	684311200		0.0257	0.0250	2.7	20.0
Heptachlor epoxide	Ave	581320598	598817120		0.0258	0.0250	3.0	20.0
gamma-Chlordane	Ave	586604093	603628120		0.0257	0.0250	2.9	20.0
alpha-Chlordane	Ave	610326008	608521000		0.0249	0.0250	-0.3	20.0
Endosulfan I	Ave	531325762	526190800		0.0248	0.0250	-1.0	20.0
4,4'-DDE	Ave	609850598	581642720		0.0238	0.0250	-4.6	20.0
Dieldrin	Ave	594383876	581673040		0.0245	0.0250	-2.1	20.0
Endrin	Ave	535793583	500857400		0.0234	0.0250	-6.5	20.0
4,4'-DDD	Ave	427546511	553940120		0.0324	0.0250	29.6*	20.0
Endosulfan II	Ave	485472127	508031760		0.0262	0.0250	4.6	20.0
4,4'-DDT	Ave	395546624	162935640		0.0103	0.0250	-58.8*	20.0
Endrin aldehyde	Ave	395073591	340556440		0.0216	0.0250	-13.8	20.0
Endosulfan sulfate	Ave	442236050	439643640		0.0249	0.0250	-0.6	20.0
Methoxychlor	Ave	199518519	96702200		0.0121	0.0250	-51.5*	20.0
Endrin ketone	Ave	501538938	423790960		0.0211	0.0250	-15.5	20.0
Tetrachloro-m-xylene	Ave	603960426	535604440		0.0222	0.0250	-11.3	20.0
DCB Decachlorobiphenyl	Ave	480698861	499723120		0.0260	0.0250	4.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/27 Calibration Date: 04/20/2013 21:45

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 14:20

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 16:00

Lab File ID: P3042027.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.51	5.48	5.54
beta-BHC	5.69	5.66	5.72
delta-BHC	6.27	6.24	6.30
Heptachlor	6.34	6.31	6.37
Aldrin	7.08	7.05	7.11
Heptachlor epoxide	8.58	8.55	8.61
gamma-Chlordane	8.99	8.96	9.02
alpha-Chlordane	9.30	9.27	9.33
Endosulfan I	9.36	9.33	9.39
4,4'-DDE	9.74	9.71	9.77
Dieldrin	9.89	9.86	9.92
Endrin	10.41	10.38	10.44
4,4'-DDD	10.75	10.72	10.78
Endosulfan II	10.78	10.75	10.81
4,4'-DDT	11.23	11.20	11.26
Endrin aldehyde	11.35	11.32	11.38
Endosulfan sulfate	11.77	11.74	11.80
Methoxychlor	12.32	12.29	12.35
Endrin ketone	12.52	12.49	12.55
Tetrachloro-m-xylene	4.07	4.04	4.10
DCB Decachlorobiphenyl	14.24	14.21	14.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042027.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 20-Apr-2013 21:45:20 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019105-027
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 82857 Lims Sample ID: 27
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:31:14 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.474	3.474	0.000	26009907	0.0236			
2	100	4.069	4.069	0.000	13390111	0.0222			
						RPD = 6.42			
5 alpha-BHC									
1	100	4.164	4.164	0.000	40611784	0.0250			
2	100	4.923	4.923	0.000	20441329	0.0265			
						RPD = 5.97			
20 gamma-BHC (Lindane)									
1	100	4.540	4.540	0.000	34081880	0.0234			
2	100	5.505	5.505	0.000	17111089	0.0253			
						RPD = 7.61			
7 beta-BHC									
1	100	4.674	4.674	0.000	14829265	0.0240			
2	100	5.690	5.690	0.000	7679142	0.0260			
						RPD = 7.98			
11 delta-BHC									
1	100	4.887	4.887	0.000	36203368	0.0245			
2	100	6.273	6.273	0.000	18601147	0.0267			
						RPD = 8.91			
22 Heptachlor									
1	100	5.168	5.168	0.000	26058759	0.0202			
2	100	6.335	6.335	0.000	11963394	0.0205			
						RPD = 1.43			
4 Aldrin									
1	100	5.618	5.618	0.000	33519412	0.0246			
2	100	7.081	7.081	0.000	17107780	0.0257			
						RPD = 4.12			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.835	6.835	0.000	29891647	0.0243			
2	100	8.581	8.581	0.000	14970428	0.0258			
						RPD = 5.79			
21 gamma-Chlordane									
1	100	7.137	7.137	0.000	30449399	0.0241			
2	100	8.985	8.985	0.000	15090703	0.0257			
						RPD = 6.53			
6 alpha-Chlordane									
1	100	7.484	7.484	0.000	31405597	0.0244			
2	100	9.295	9.295	0.000	15213025	0.0249			
						RPD = 2.33			
14 Endosulfan I									
1	100	7.760	7.760	0.000	27141002	0.0235			
2	100	9.362	9.362	0.000	13154770	0.0248			
						RPD = 5.02			
2 4,4'-DDE									
1	100	7.860	7.860	0.000	30309541	0.0239			
2	100	9.741	9.741	0.000	14541068	0.0238			
						RPD = 0.37			
13 Dieldrin									
1	100	8.327	8.327	0.000	30442633	0.0240			
2	100	9.889	9.889	0.000	14541826	0.0245			
						RPD = 1.92			
17 Endrin									
1	100	8.782	8.782	0.000	26627394	0.0224			
2	100	10.411	10.411	0.000	12521435	0.0234			
						RPD = 4.27			
1 4,4'-DDD									
1	100	9.151	9.151	0.000	28074922	0.0289			
2	100	10.752	10.752	0.000	13848503	0.0324			
						RPD = 11.27			
15 Endosulfan II									
1	100	9.238	9.238	0.000	24825335	0.0227			
2	100	10.783	10.783	0.000	12700794	0.0262			
						RPD = 14.26			
3 4,4'-DDT									
1	100	9.676	9.676	0.000	9416328	0.0102			
2	100	11.234	11.234	0.000	4073391	0.0103			
						RPD = 0.85			
18 Endrin aldehyde									
1	100	10.043	10.043	0.000	18160663	0.0206			
2	100	11.351	11.351	0.000	8513911	0.0216			
						RPD = 4.41			
27 Methoxychlor									
1	100	10.639	10.639	0.000	5904690	0.0128			
2	100	12.319	12.319	0.000	2417555	0.0121			
						RPD = 5.46			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.771	10.771	0.000	22506967	0.0229			
2	100	11.769	11.769	0.000	10991091	0.0249			
						RPD = 8.00			
19 Endrin ketone									
1	100	11.173	11.173	0.000	21716787	0.0190			
2	100	12.521	12.521	0.000	10594774	0.0211			
						RPD = 10.73			
$ 10 DCB Decachlorobiphenyl									
1	100	12.794	12.794	0.000	22689579	0.0236			
2	100	14.242	14.242	0.000	12493078	0.0260			
						RPD = 9.51			

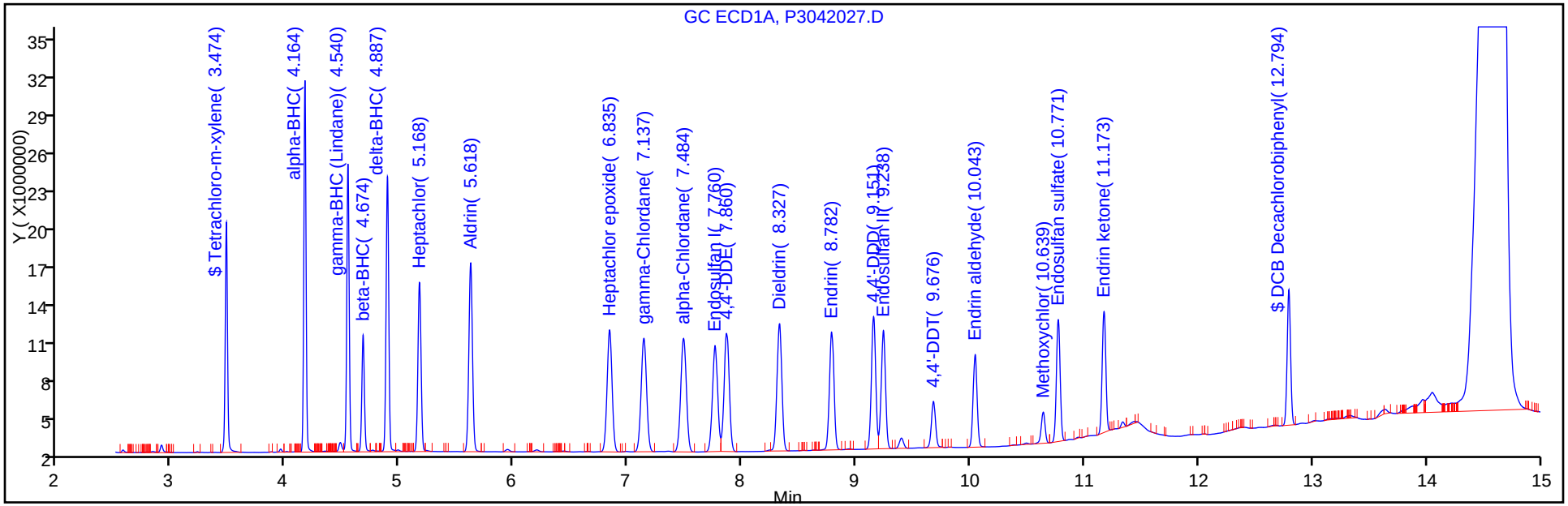
Report Date: 22-Apr-2013 10:31:15 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

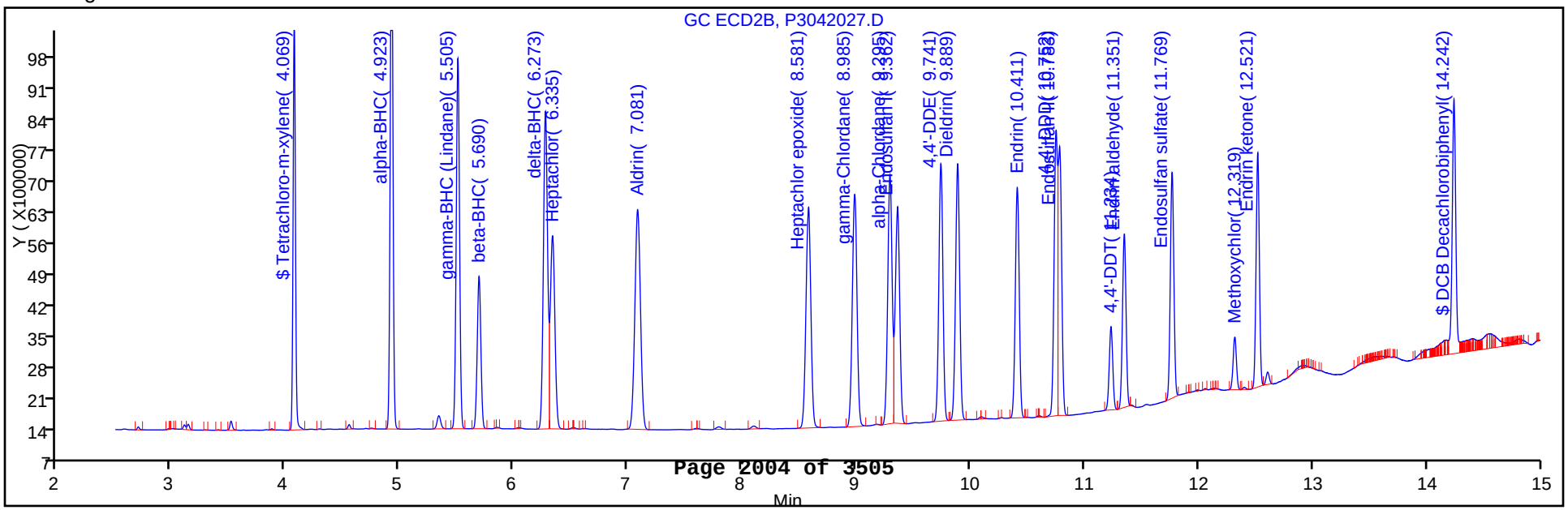
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Injection Date:	20-Apr-2013 21:45:20	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	27
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/36 Calibration Date: 04/21/2013 00:46

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3042036.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	48953063	30218556		0.617	1.00	-38.3*	20.0
Toxaphene Peak 2	Ave	49795684	27372334		0.550	1.00	-45.0*	20.0
Toxaphene Peak 3	Ave	41014572	14398200		0.351	1.00	-64.9*	20.0
Toxaphene Peak 4	Ave	31176774	15777795		0.506	1.00	-49.4*	20.0
Toxaphene Peak 5	Ave	26157631	3907564		0.149	1.00	-85.1*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/36 Calibration Date: 04/21/2013 00:46

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3042036.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.23	10.20	10.26
Toxaphene Peak 2	10.57	10.54	10.60
Toxaphene Peak 3	10.72	10.69	10.75
Toxaphene Peak 4	11.14	11.11	11.17
Toxaphene Peak 5	11.41	11.38	11.44

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042036.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 21-Apr-2013 00:46:03 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019105-036
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 36
Lims Batch ID: 82857 Lims Sample ID: 36
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:31:21 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 22-Apr-2013 10:28:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.230	10.230	0.000	30218556	0.6173		100.0	M
1	2	10.573	10.573	0.000	27372334	0.5497	81.1- 121.1	90.6	M
1	3	10.724	10.724	0.000	14398200	0.3511	65.0- 105.0	47.6	M
1	4	11.144	11.144	0.000	15777795	0.5061	43.1- 83.1	52.2	M
1	5	11.411	11.411	0.000	3907564	0.1494	32.5- 72.5	12.9	M
			Average of Peak Amounts =			0.4347			
2	100	10.337	10.337	0.000	14435195	0.8550		100.0	
2	2	10.929	10.929	0.000	15790371	0.7333	108.3- 148.3	109.4	
2	3	11.357	11.357	0.000	16974442	0.6521	134.7- 174.7	117.6	
2	4	12.097	12.097	0.000	15269758	0.5037	157.2- 197.2	105.8	
2	5	12.658	12.658	0.000	5805838	0.4750	51.7- 91.7	40.2	
			Average of Peak Amounts =			0.6438			
						RPD = 38.78			

QC Flag Legend

Review Flags
M - Manually Integrated

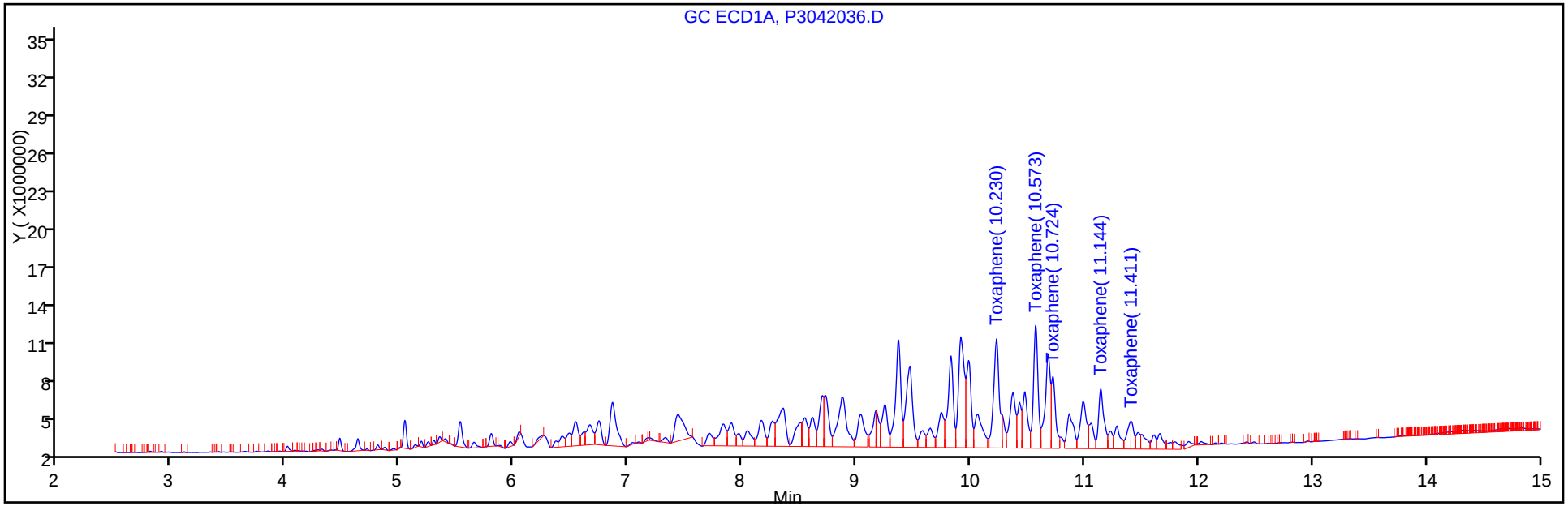
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TestAmerica Canton

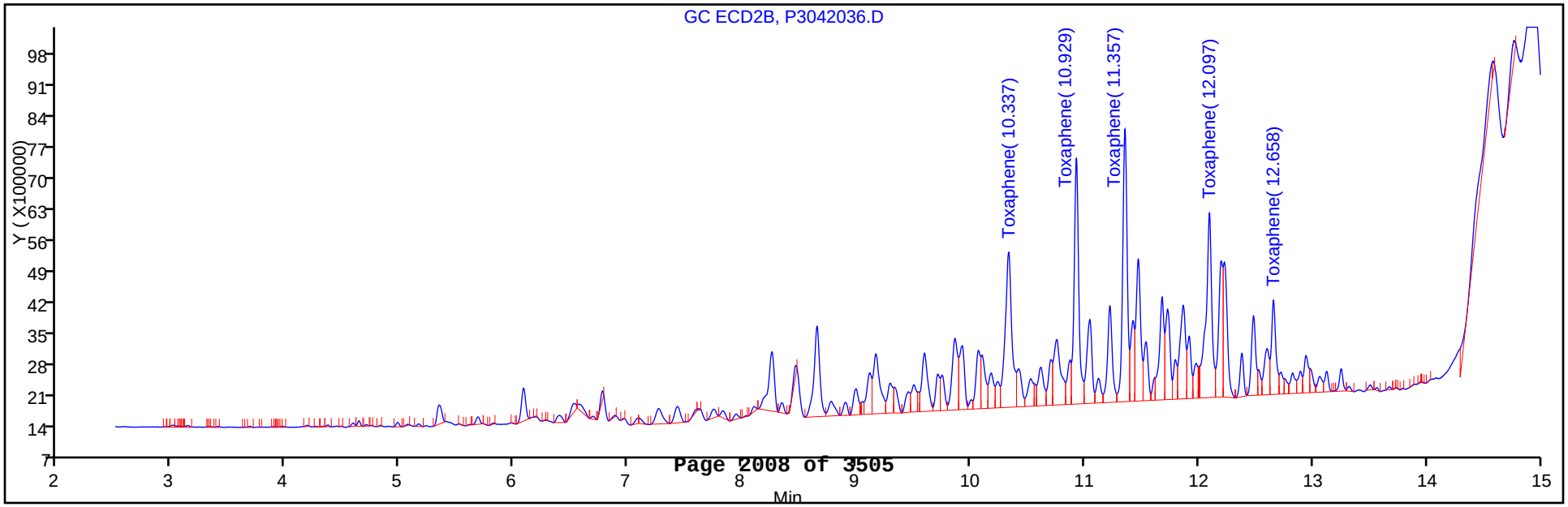
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Injection Date:	21-Apr-2013 00:46:03	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	36
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



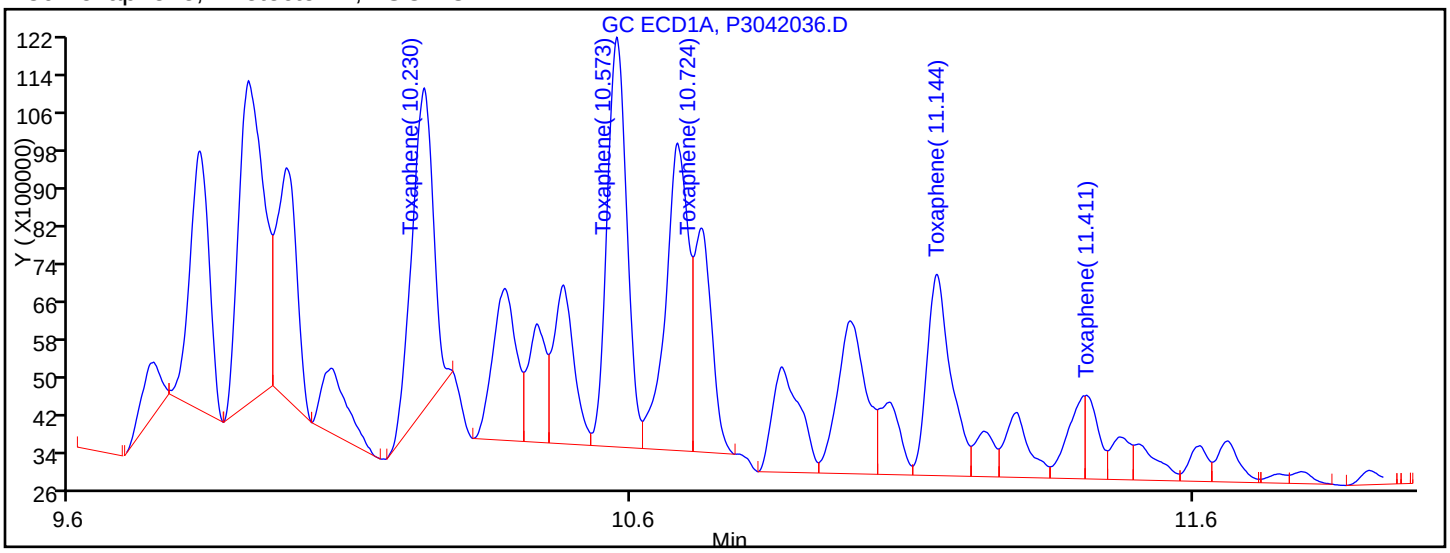
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TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042036.D

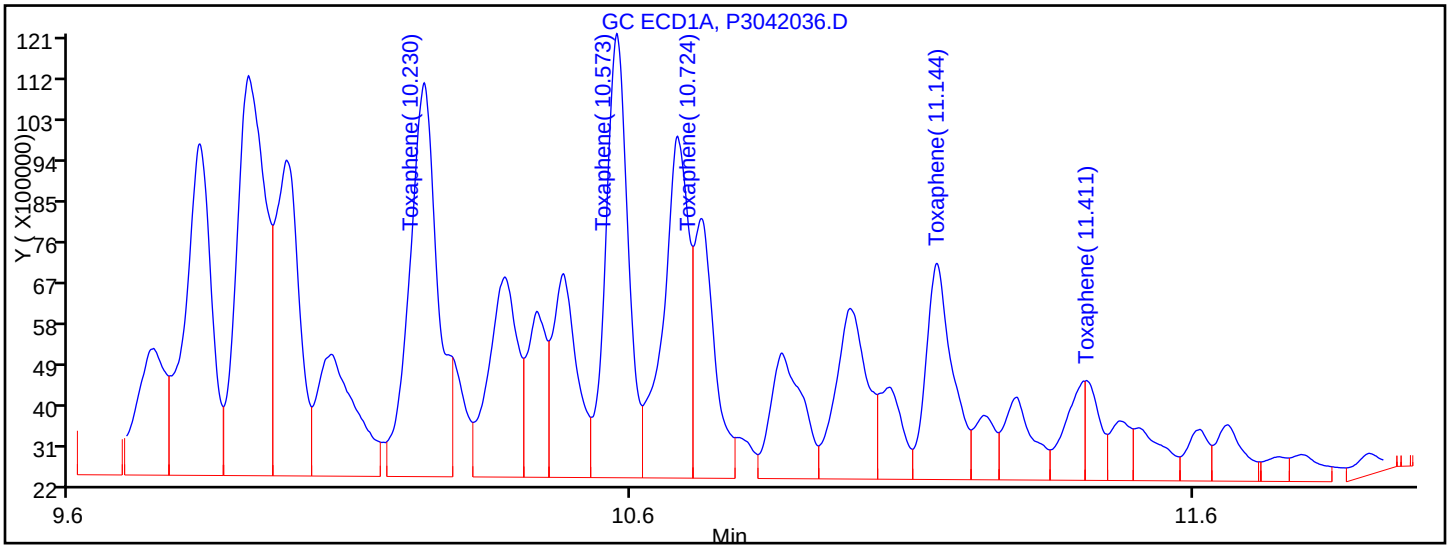
Injection Date:	21-Apr-2013 00:46:03	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	36
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.230	Response = 18315371	M
RT = 10.573	Response = 21615272	M
RT = 10.724	Response = 10244171	M
RT = 11.144	Response = 12881685	M
RT = 11.411	Response = 2923595	M



Manual Integration Results

RT = 10.230	Response = 30218556	M
RT = 10.573	Response = 27372334	M
RT = 10.724	Response = 14398200	M
RT = 11.144	Response = 15777795	M
RT = 11.411	Response = 3907564	M

Reviewer: shockr, 22-Apr-2013 10:28:36

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/36 Calibration Date: 04/21/2013 00:46

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3042036.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	16883134	14435195		0.855	1.00	-14.5	20.0
Toxaphene Peak 2	Ave	21534081	15790371		0.733	1.00	-26.7*	20.0
Toxaphene Peak 3	Ave	26029451	16974442		0.652	1.00	-34.8*	20.0
Toxaphene Peak 4	Ave	30315481	15269758		0.504	1.00	-49.6*	20.0
Toxaphene Peak 5	Ave	12222975	5805838		0.475	1.00	-52.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-82857/36 Calibration Date: 04/21/2013 00:46

Instrument ID: A2HP3 Calib Start Date: 03/14/2013 16:40

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 03/14/2013 18:00

Lab File ID: P3042036.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.34	10.31	10.37
Toxaphene Peak 2	10.93	10.90	10.96
Toxaphene Peak 3	11.36	11.33	11.39
Toxaphene Peak 4	12.10	12.07	12.13
Toxaphene Peak 5	12.66	12.63	12.69

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042036.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 21-Apr-2013 00:46:03 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019105-036
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 36
Lims Batch ID: 82857 Lims Sample ID: 36
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130420-19105.b\PEST3.m
Last Update: 22-Apr-2013 10:31:21 Calib Date: 16-Apr-2013 14:58:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK028

First Level Reviewer: shockr Date: 22-Apr-2013 10:28:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.230	10.230	0.000	30218556	0.6173		100.0	M
1	2	10.573	10.573	0.000	27372334	0.5497	81.1- 121.1	90.6	M
1	3	10.724	10.724	0.000	14398200	0.3511	65.0- 105.0	47.6	M
1	4	11.144	11.144	0.000	15777795	0.5061	43.1- 83.1	52.2	M
1	5	11.411	11.411	0.000	3907564	0.1494	32.5- 72.5	12.9	M
			Average of Peak Amounts =			0.4347			
2	100	10.337	10.337	0.000	14435195	0.8550		100.0	
2	2	10.929	10.929	0.000	15790371	0.7333	108.3- 148.3	109.4	
2	3	11.357	11.357	0.000	16974442	0.6521	134.7- 174.7	117.6	
2	4	12.097	12.097	0.000	15269758	0.5037	157.2- 197.2	105.8	
2	5	12.658	12.658	0.000	5805838	0.4750	51.7- 91.7	40.2	
			Average of Peak Amounts =			0.6438			
						RPD = 38.78			

QC Flag Legend

Review Flags
M - Manually Integrated

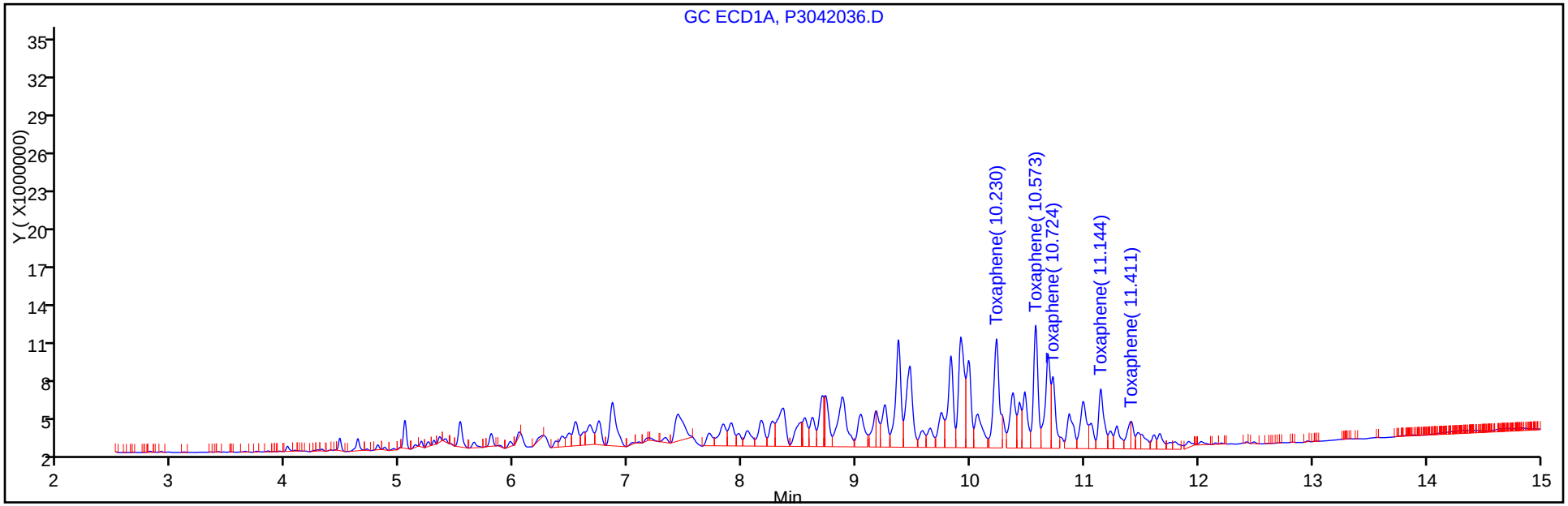
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TestAmerica Canton

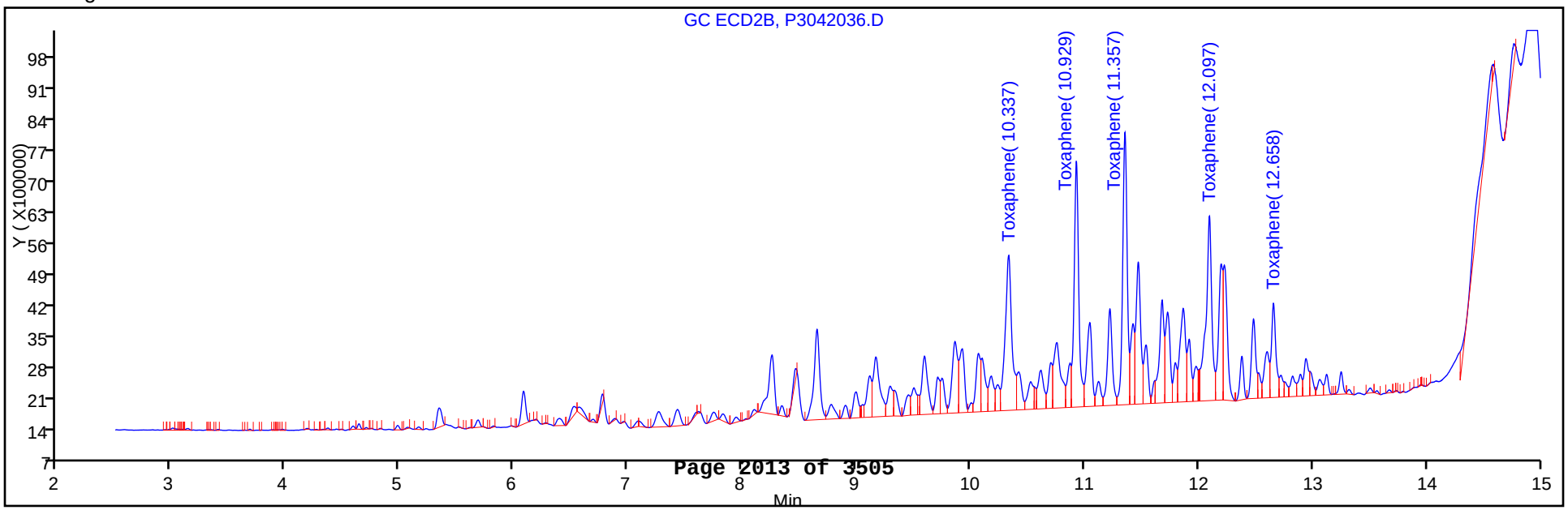
Data File: \\NCChrom\ChromData\A2HP3\20130420-19105.b\P3042036.D

Injection Date:	21-Apr-2013 00:46:03	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82857	Lims Sample ID:	36
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-83061/10 Calibration Date: 04/22/2013 20:33

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/22/2013 20:13

Lab File ID: P3042210.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	38294747	42754851		1.12	1.00	11.6	20.0
Toxaphene Peak 2	Ave	36690952	34702782		0.946	1.00	-5.4	20.0
Toxaphene Peak 3	Ave	28834208	38839702		1.35	1.00	34.7*	20.0
Toxaphene Peak 4	Ave	23017922	29385098		1.28	1.00	27.7*	20.0
Toxaphene Peak 5	Ave	18081479	23056828		1.28	1.00	27.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-83061/10 Calibration Date: 04/22/2013 20:33

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/22/2013 20:13

Lab File ID: P3042210.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.22	10.20	10.26
Toxaphene Peak 2	10.57	10.54	10.60
Toxaphene Peak 3	10.72	10.69	10.75
Toxaphene Peak 4	11.14	11.11	11.17
Toxaphene Peak 5	11.41	11.38	11.44

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042210.D
Lims ID: ICV TOX
Client ID:
Inject. Date: 22-Apr-2013 20:33:17
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0019145-010
Misc. Info.:
Operator: 402582
Instrument ID: A2HP3
Injection Vol: 1.0 ul
ALS Bottle#: 10
Lims Batch ID: 83061
Lims Sample ID: 10
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 11:43:08
Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr
Date: 23-Apr-2013 09:15:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.223	10.226	-0.003	42754851	1.12		100.0	M
1	2	10.569	10.570	-0.001	34702782	0.9458	77.7- 117.7	81.2	M
1	3	10.721	10.719	0.002	38839702	1.35	57.0- 97.0	90.8	M
1	4	11.139	11.140	-0.001	29385098	1.28	39.5- 79.5	68.7	M
1	5	11.412	11.411	0.001	23056828	1.28	26.4- 66.4	53.9	M
			Average of Peak Amounts =			1.19			
2	100	10.326	10.329	-0.003	12382909	0.8269		100.0	M
2	2	10.920	10.923	-0.003	11105333	0.6056	102.8- 142.8	89.7	M
2	3	11.343	11.344	-0.001	12517824	0.5839	124.4- 164.4	101.1	M
2	4	12.086	12.088	-0.002	19493606	0.8122	139.5- 179.5	157.4	M
2	5	12.647	12.649	-0.002	14284121	1.48	45.4- 85.4	115.4	M
			Average of Peak Amounts =			0.8621			
						RPD = 32.14			

QC Flag Legend

Review Flags
M - Manually Integrated

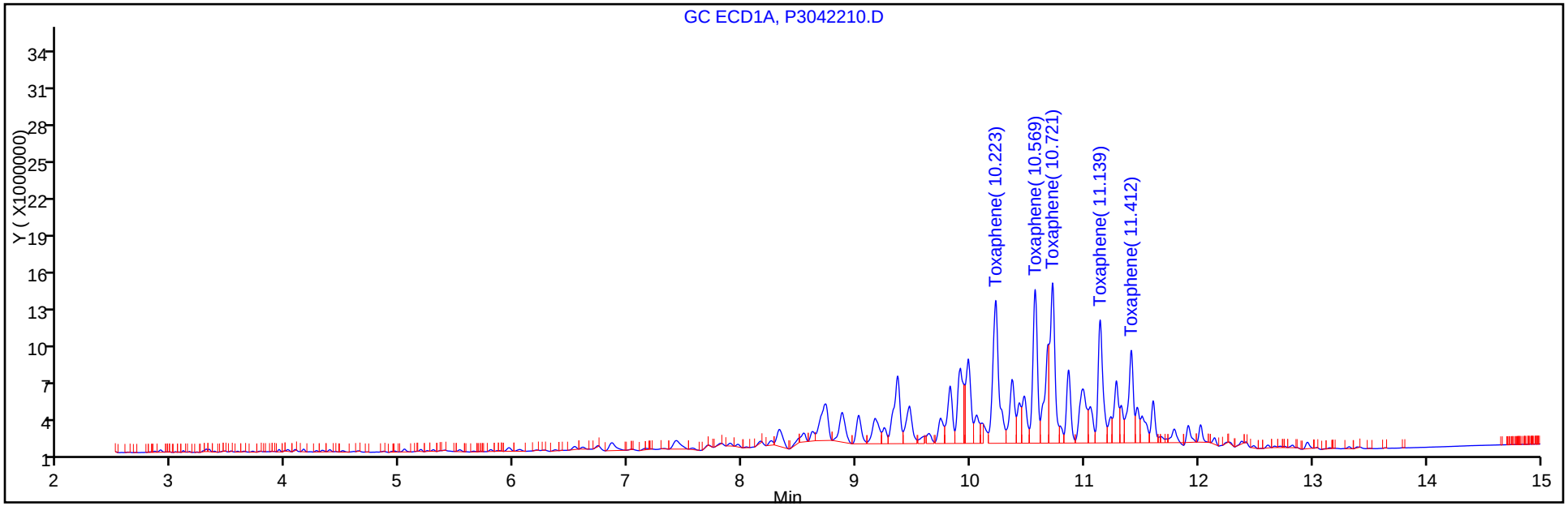
Report Date: 23-Apr-2013 11:43:11 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

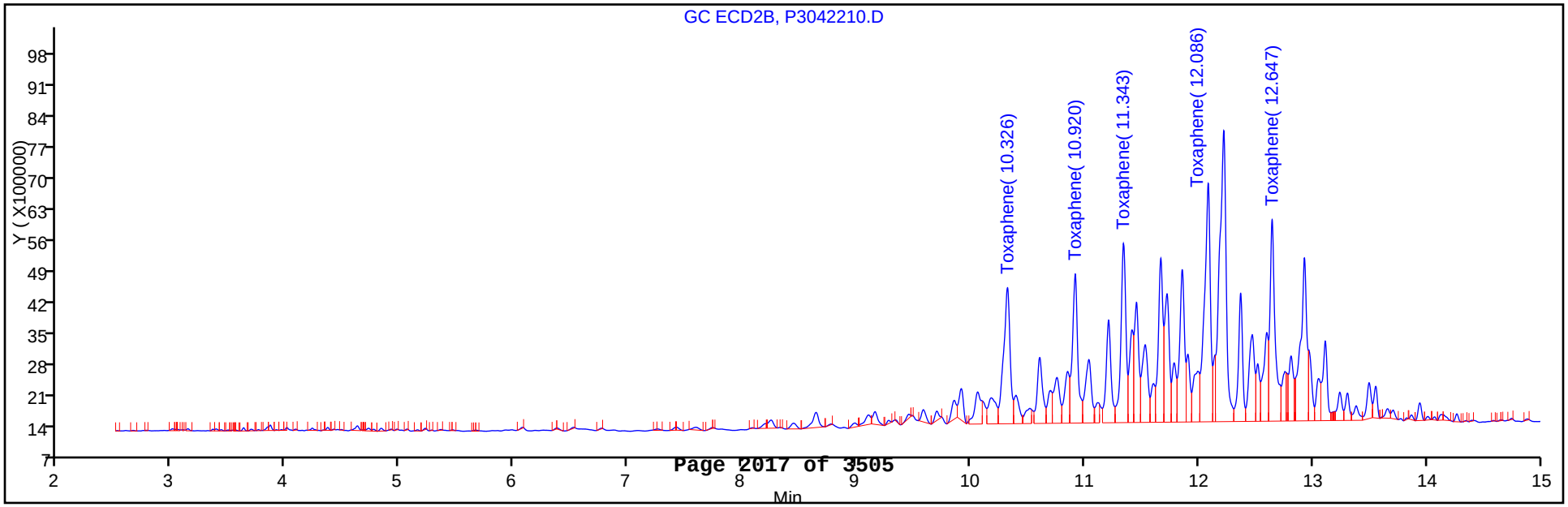
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042210.D

Injection Date:	22-Apr-2013 20:33:17	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	10
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



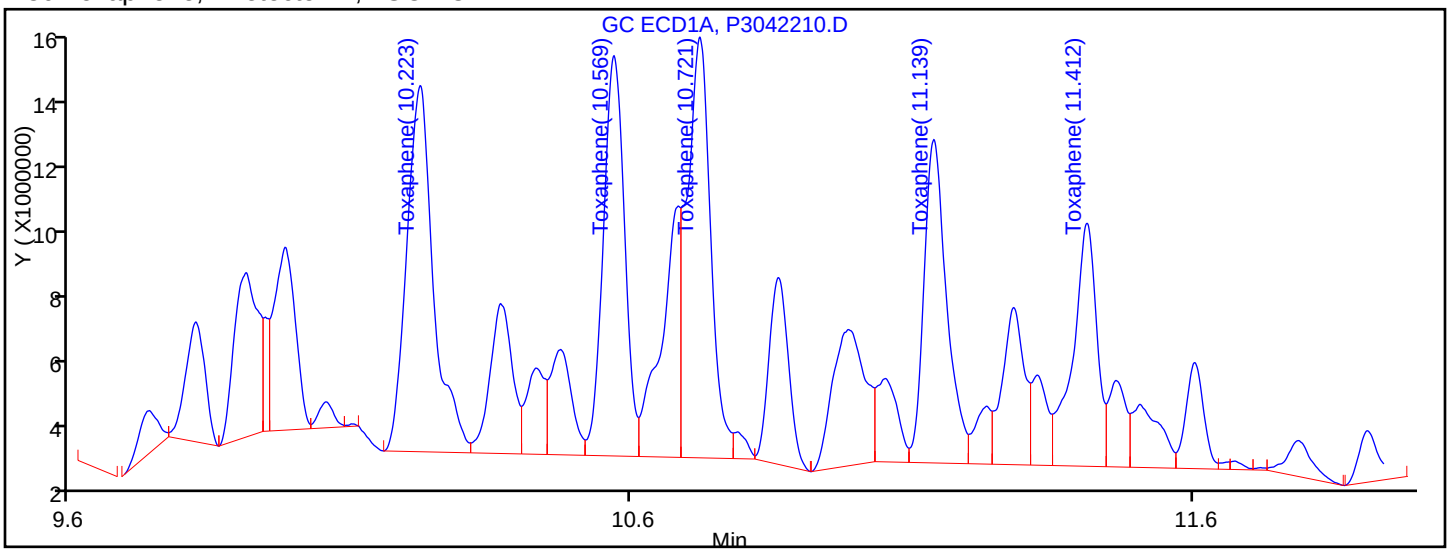
Report Date: 23-Apr-2013 11:43:11 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042210.D

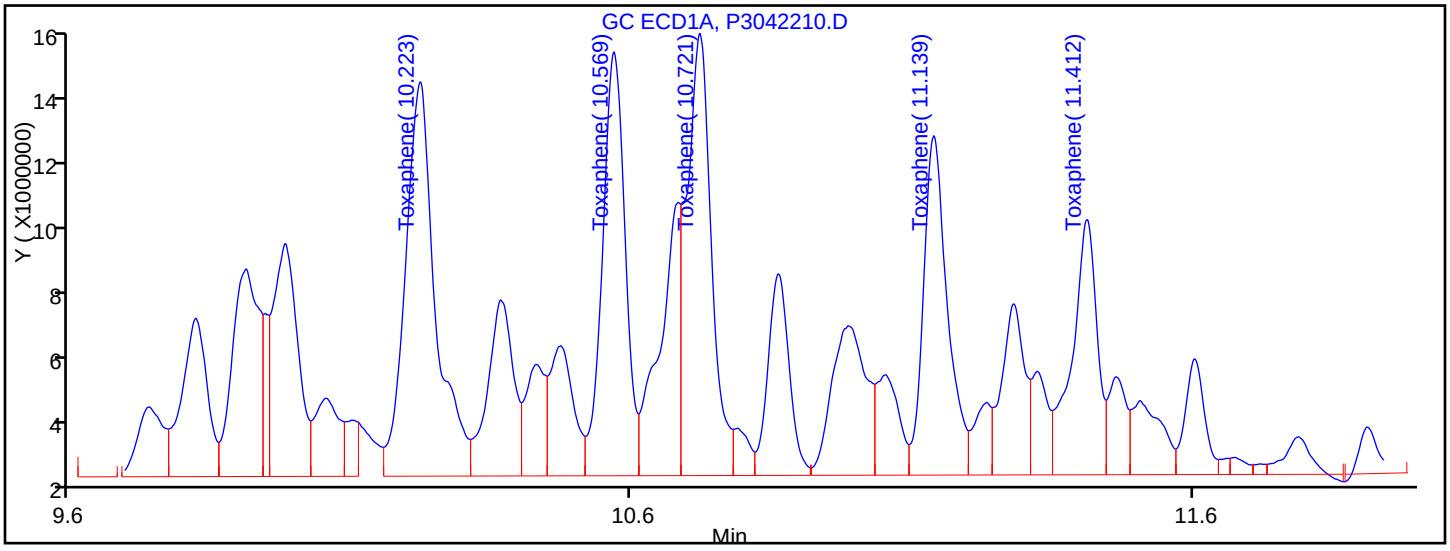
Injection Date:	22-Apr-2013 20:33:17	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	10
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 10.223	Response = 35244562	M
RT = 10.569	Response = 30793185	M
RT = 10.721	Response = 35399843	M
RT = 11.139	Response = 26499887	M
RT = 11.412	Response = 21002747	M



Manual Integration Results

RT = 10.223	Response = 42754851	M
RT = 10.569	Response = 34702782	M
RT = 10.721	Response = 38839702	M
RT = 11.139	Response = 29385098	M
RT = 11.412	Response = 23056828	M

Reviewer: shockr, 23-Apr-2013 09:15:24

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-83061/10 Calibration Date: 04/22/2013 20:33

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/22/2013 20:13

Lab File ID: P3042210.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	14975845	12382909		0.827	1.00	-17.3	20.0
Toxaphene Peak 2	Ave	18337483	11105333		0.606	1.00	-39.4*	20.0
Toxaphene Peak 3	Ave	21437307	12517824		0.584	1.00	-41.6*	20.0
Toxaphene Peak 4	Ave	24002348	19493606		0.812	1.00	-18.8	20.0
Toxaphene Peak 5	Ave	9638555	14284121		1.48	1.00	48.2*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-83061/10 Calibration Date: 04/22/2013 20:33

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/22/2013 20:13

Lab File ID: P3042210.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.33	10.30	10.36
Toxaphene Peak 2	10.92	10.89	10.95
Toxaphene Peak 3	11.34	11.31	11.37
Toxaphene Peak 4	12.09	12.06	12.12
Toxaphene Peak 5	12.65	12.62	12.68

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042210.D
Lims ID: ICV TOX
Client ID:
Inject. Date: 22-Apr-2013 20:33:17
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0019145-010
Misc. Info.:
Operator: 402582
Instrument ID: A2HP3
Injection Vol: 1.0 ul
ALS Bottle#: 10
Lims Batch ID: 83061
Lims Sample ID: 10
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 11:43:08
Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK013

First Level Reviewer: shockr
Date: 23-Apr-2013 09:15:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.223	10.226	-0.003	42754851	1.12		100.0	M
1	2	10.569	10.570	-0.001	34702782	0.9458	77.7- 117.7	81.2	M
1	3	10.721	10.719	0.002	38839702	1.35	57.0- 97.0	90.8	M
1	4	11.139	11.140	-0.001	29385098	1.28	39.5- 79.5	68.7	M
1	5	11.412	11.411	0.001	23056828	1.28	26.4- 66.4	53.9	M
			Average of Peak Amounts =			1.19			
2	100	10.326	10.329	-0.003	12382909	0.8269		100.0	M
2	2	10.920	10.923	-0.003	11105333	0.6056	102.8- 142.8	89.7	M
2	3	11.343	11.344	-0.001	12517824	0.5839	124.4- 164.4	101.1	M
2	4	12.086	12.088	-0.002	19493606	0.8122	139.5- 179.5	157.4	M
2	5	12.647	12.649	-0.002	14284121	1.48	45.4- 85.4	115.4	M
			Average of Peak Amounts =			0.8621			
						RPD = 32.14			

QC Flag Legend

Review Flags
M - Manually Integrated

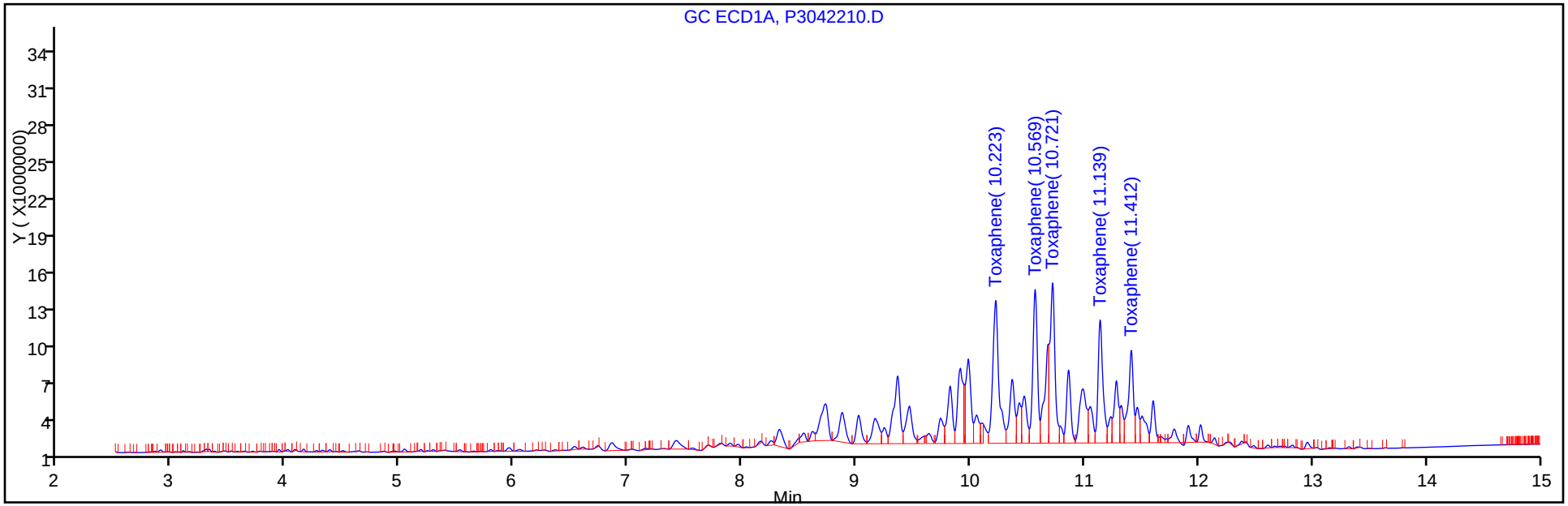
Report Date: 23-Apr-2013 11:43:11 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

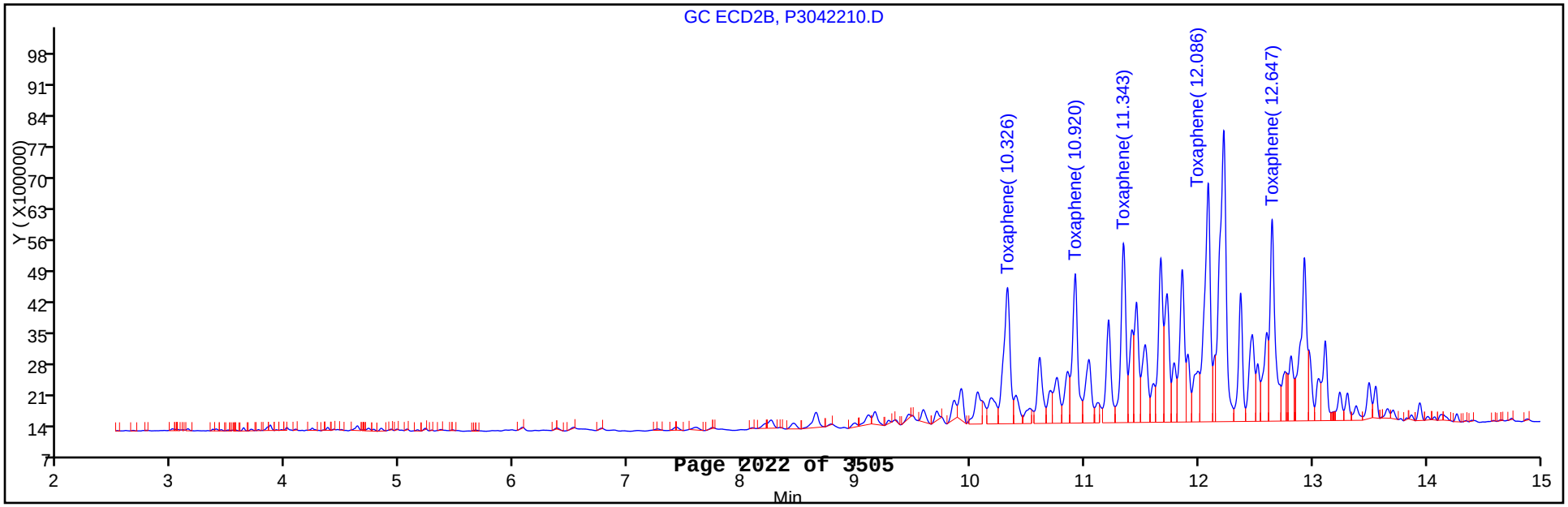
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042210.D

Injection Date:	22-Apr-2013 20:33:17	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	10
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



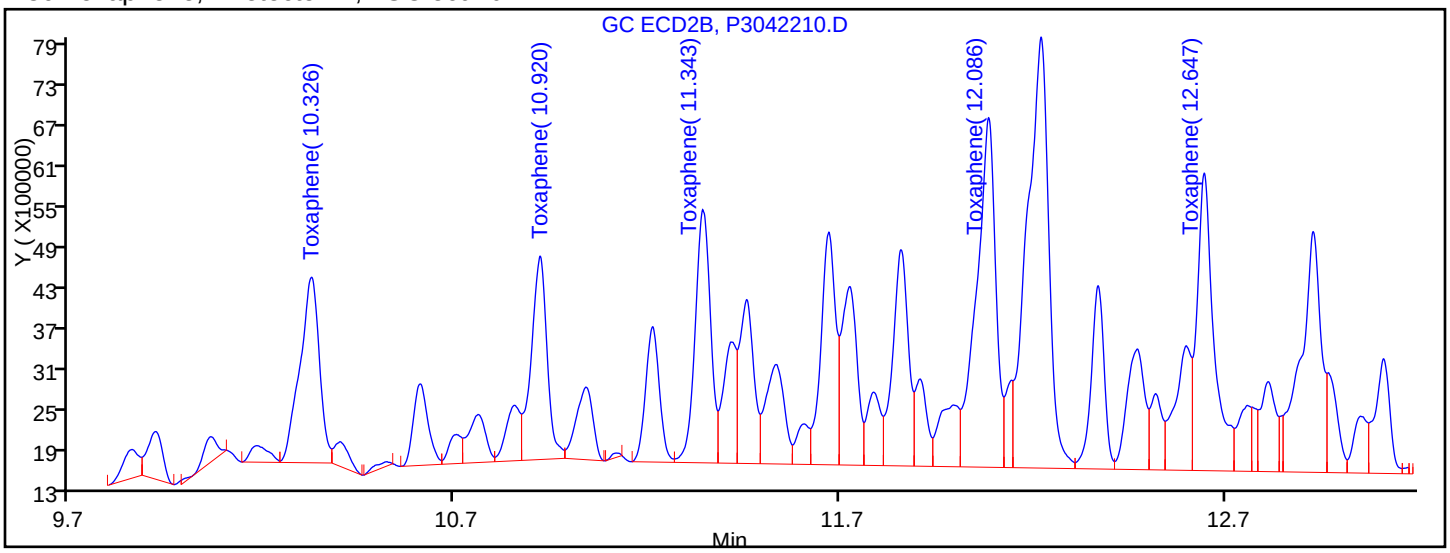
Report Date: 23-Apr-2013 11:43:12 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042210.D

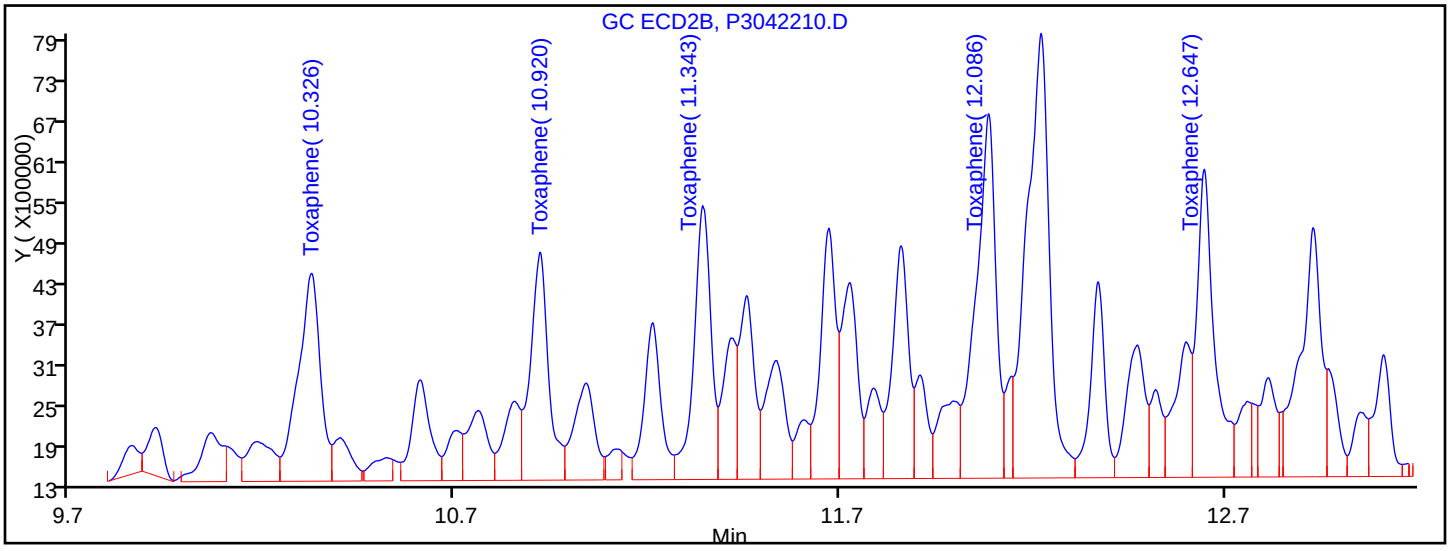
Injection Date:	22-Apr-2013 20:33:17	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	10
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.326	Response = 9687455	M
RT = 10.920	Response = 8631289	M
RT = 11.343	Response = 10427317	M
RT = 12.086	Response = 17977618	M
RT = 12.647	Response = 13278905	M



Manual Integration Results

RT = 10.326	Response = 12382909	M
RT = 10.920	Response = 11105333	M
RT = 11.343	Response = 12517824	M
RT = 12.086	Response = 19493606	M
RT = 12.647	Response = 14284121	M

Reviewer: shockr, 23-Apr-2013 09:15:24

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-83061/23 Calibration Date: 04/23/2013 00:55

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042223.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1359242943	1374007160		0.0253	0.0250	1.1	20.0
gamma-BHC (Lindane)	Ave	1208604110	1211952080		0.0251	0.0250	0.3	20.0
beta-BHC	Ave	519268069	514506400		0.0248	0.0250	-0.9	20.0
delta-BHC	Ave	1224286313	1221560360		0.0249	0.0250	-0.2	20.0
Heptachlor	Ave	1032014038	1004448080		0.0243	0.0250	-2.7	20.0
Aldrin	Ave	1088122939	1100273760		0.0253	0.0250	1.1	20.0
Heptachlor epoxide	Ave	992844247	983297080		0.0248	0.0250	-1.0	20.0
gamma-Chlordane	Ave	998864799	979041880		0.0245	0.0250	-2.0	20.0
alpha-Chlordane	Ave	1023188492	979992600		0.0239	0.0250	-4.2	20.0
Endosulfan I	Ave	906422798	887866720		0.0245	0.0250	-2.0	20.0
4,4'-DDE	Ave	968863059	940999000		0.0243	0.0250	-2.9	20.0
Dieldrin	Ave	998340371	975692480		0.0244	0.0250	-2.3	20.0
Endrin	Ave	929514238	885790440		0.0238	0.0250	-4.7	20.0
4,4'-DDD	Ave	747950398	721782640		0.0241	0.0250	-3.5	20.0
Endosulfan II	Ave	839808708	813750200		0.0242	0.0250	-3.1	20.0
4,4'-DDT	Ave	703196613	681998400		0.0242	0.0250	-3.0	20.0
Endrin aldehyde	Ave	644279437	621524600		0.0241	0.0250	-3.5	20.0
Methoxychlor	Ave	353664852	342393840		0.0242	0.0250	-3.2	20.0
Endosulfan sulfate	Ave	775754698	762841680		0.0246	0.0250	-1.7	20.0
Endrin ketone	Ave	898237216	845988200		0.0235	0.0250	-5.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-83061/23 Calibration Date: 04/23/2013 00:55

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042223.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.89	4.85	4.91
Heptachlor	5.17	5.14	5.20
Aldrin	5.61	5.58	5.64
Heptachlor epoxide	6.83	6.80	6.86
gamma-Chlordane	7.13	7.10	7.16
alpha-Chlordane	7.48	7.44	7.50
Endosulfan I	7.75	7.72	7.78
4,4'-DDE	7.86	7.82	7.88
Dieldrin	8.32	8.29	8.35
Endrin	8.78	8.75	8.81
4,4'-DDD	9.14	9.12	9.18
Endosulfan II	9.23	9.20	9.26
4,4'-DDT	9.67	9.64	9.70
Endrin aldehyde	10.04	10.01	10.07
Methoxychlor	10.64	10.61	10.67
Endosulfan sulfate	10.77	10.74	10.80
Endrin ketone	11.17	11.14	11.20

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042223.D
Lims ID: ICV AB Client ID:
Inject. Date: 23-Apr-2013 00:55:21 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0019145-023
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 83061 Lims Sample ID: 23
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 10:54:09 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.161	4.161	0.000	34350179	0.0253			
2	100	4.919	4.918	0.001	17469562	0.0245			
						RPD = 3.25			
20 gamma-BHC (Lindane)									
1	100	4.539	4.539	0.000	30298802	0.0251			
2	100	5.499	5.498	0.001	15134718	0.0241			
						RPD = 3.76			
7 beta-BHC									
1	100	4.671	4.671	0.000	12862660	0.0248			
2	100	5.684	5.684	0.000	6860524	0.0246			
						RPD = 0.62			
11 delta-BHC									
1	100	4.885	4.884	0.001	30539009	0.0249			
2	100	6.266	6.265	0.001	15780754	0.0243			
						RPD = 2.57			
22 Heptachlor									
1	100	5.165	5.165	0.000	25111202	0.0243			
2	100	6.327	6.327	0.000	11589103	0.0234			
						RPD = 3.69			
4 Aldrin									
1	100	5.612	5.611	0.001	27506844	0.0253			
2	100	7.071	7.073	-0.002	14229636	0.0246			
						RPD = 2.83			
23 Heptachlor epoxide									
1	100	6.828	6.826	0.002	24582427	0.0248			
2	100	8.571	8.571	0.000	12559929	0.0245			
						RPD = 1.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.128	7.125	0.003	24476047	0.0245			
2	100	8.979	8.977	0.002	12344861	0.0243			
						RPD = 0.98			
6 alpha-Chlordane									
1	100	7.475	7.474	0.001	24499815	0.0239			
2	100	9.287	9.288	-0.001	12366428	0.0237			
						RPD = 1.19			
14 Endosulfan I									
1	100	7.751	7.751	0.000	22196668	0.0245			
2	100	9.355	9.352	0.003	11054234	0.0241			
						RPD = 1.70			
2 4,4'-DDE									
1	100	7.855	7.853	0.002	23524975	0.0243			
2	100	9.734	9.734	0.000	11923013	0.0240			
						RPD = 1.19			
13 Dieldrin									
1	100	8.316	8.315	0.001	24392312	0.0244			
2	100	9.881	9.881	0.000	12143127	0.0243			
						RPD = 0.70			
17 Endrin									
1	100	8.777	8.776	0.001	22144761	0.0238			
2	100	10.403	10.403	0.000	10784054	0.0235			
						RPD = 1.31			
1 4,4'-DDD									
1	100	9.143	9.145	-0.002	18044566	0.0241			
2	100	10.745	10.744	0.001	7980078	0.0229			
						RPD = 5.27			
15 Endosulfan II									
1	100	9.230	9.229	0.001	20343755	0.0242			
2	100	10.775	10.775	0.000	10497428	0.0246			
						RPD = 1.37			
3 4,4'-DDT									
1	100	9.671	9.671	0.000	17049960	0.0242			
2	100	11.225	11.224	0.001	7420868	0.0240			
						RPD = 1.19			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	15538115	0.0241			
2	100	11.340	11.341	-0.001	7696656	0.0238			
						RPD = 1.29			
27 Methoxychlor									
1	100	10.635	10.635	0.000	8559846	0.0242			
2	100	12.308	12.308	0.000	3695985	0.0240			
						RPD = 0.98			
16 Endosulfan sulfate									
1	100	10.767	10.767	0.000	19071042	0.0246			
2	100	11.760	11.759	0.001	9327300	0.0243			
						RPD = 1.26			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.169	11.168	0.001	21149705	0.0235			
2	100	12.510	12.510	0.000	9923529	0.0231			
						RPD = 1.98			

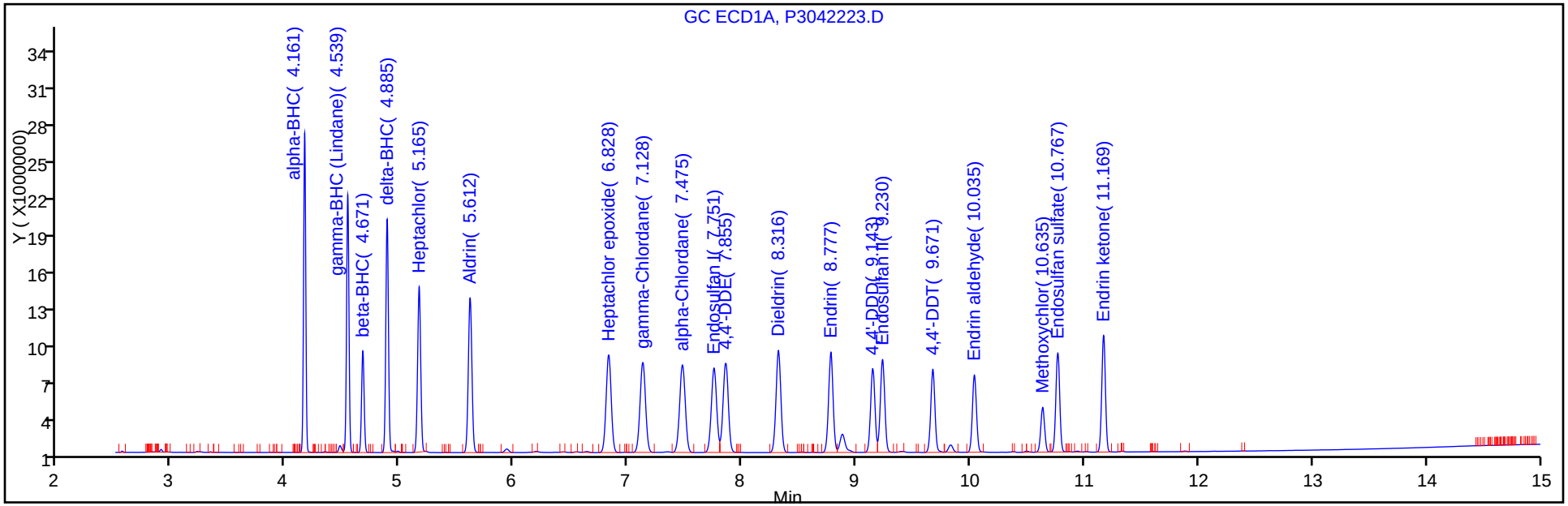
Report Date: 23-Apr-2013 11:40:42 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

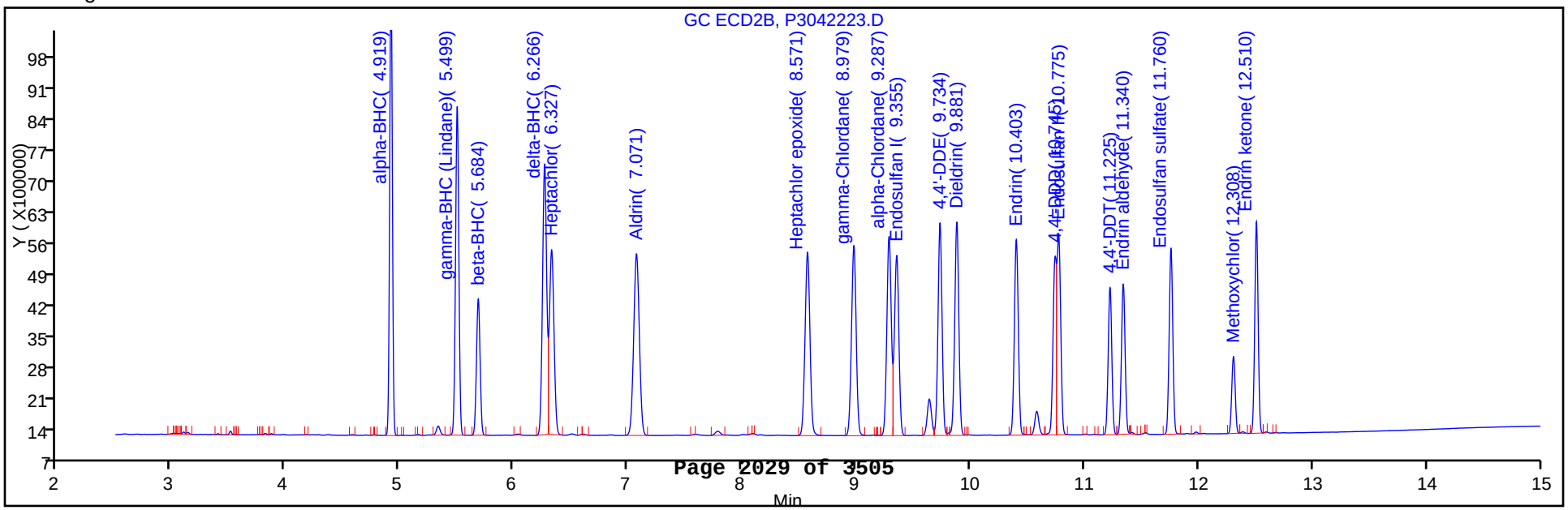
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042223.D

Injection Date:	23-Apr-2013 00:55:21	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	23
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-83061/23 Calibration Date: 04/23/2013 00:55

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042223.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	714126036	698782480		0.0245	0.0250	-2.1	20.0
gamma-BHC (Lindane)	Ave	626844478	605388720		0.0241	0.0250	-3.4	20.0
beta-BHC	Ave	278685187	274420960		0.0246	0.0250	-1.5	20.0
delta-BHC	Ave	649094974	631230160		0.0243	0.0250	-2.8	20.0
Heptachlor	Ave	494206075	463564120		0.0234	0.0250	-6.2	20.0
Aldrin	Ave	579038535	569185440		0.0246	0.0250	-1.7	20.0
Heptachlor epoxide	Ave	513668973	502397160		0.0245	0.0250	-2.2	20.0
gamma-Chlordane	Ave	508733248	493794440		0.0243	0.0250	-2.9	20.0
alpha-Chlordane	Ave	522623723	494657120		0.0237	0.0250	-5.4	20.0
Endosulfan I	Ave	459163342	442169360		0.0241	0.0250	-3.7	20.0
4,4'-DDE	Ave	496902560	476920520		0.0240	0.0250	-4.0	20.0
Dieldrin	Ave	500474757	485725080		0.0243	0.0250	-2.9	20.0
Endrin	Ave	458610093	431362160		0.0235	0.0250	-5.9	20.0
4,4'-DDD	Ave	348673589	319203120		0.0229	0.0250	-8.5	20.0
Endosulfan II	Ave	427445028	419897120		0.0246	0.0250	-1.8	20.0
4,4'-DDT	Ave	309716187	296834720		0.0240	0.0250	-4.2	20.0
Endrin aldehyde	Ave	323271966	307866240		0.0238	0.0250	-4.8	20.0
Endosulfan sulfate	Ave	384218328	373092000		0.0243	0.0250	-2.9	20.0
Methoxychlor	Ave	154205847	147839400		0.0240	0.0250	-4.1	20.0
Endrin ketone	Ave	429863795	396941160		0.0231	0.0250	-7.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: ICV 240-83061/23 Calibration Date: 04/23/2013 00:55

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042223.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.50	5.47	5.53
beta-BHC	5.68	5.65	5.71
delta-BHC	6.27	6.24	6.30
Heptachlor	6.33	6.30	6.36
Aldrin	7.07	7.04	7.10
Heptachlor epoxide	8.57	8.54	8.60
gamma-Chlordane	8.98	8.95	9.01
alpha-Chlordane	9.29	9.26	9.32
Endosulfan I	9.36	9.32	9.38
4,4'-DDE	9.73	9.70	9.76
Dieldrin	9.88	9.85	9.91
Endrin	10.40	10.37	10.43
4,4'-DDD	10.75	10.71	10.77
Endosulfan II	10.78	10.75	10.81
4,4'-DDT	11.23	11.19	11.25
Endrin aldehyde	11.34	11.31	11.37
Endosulfan sulfate	11.76	11.73	11.79
Methoxychlor	12.31	12.28	12.34
Endrin ketone	12.51	12.48	12.54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042223.D
Lims ID: ICV AB Client ID:
Inject. Date: 23-Apr-2013 00:55:21 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0019145-023
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 83061 Lims Sample ID: 23
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130422-19145.b\PEST3.m
Last Update: 23-Apr-2013 10:54:09 Calib Date: 23-Apr-2013 00:35:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042222.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.161	4.161	0.000	34350179	0.0253			
2	100	4.919	4.918	0.001	17469562	0.0245			
						RPD = 3.25			
20 gamma-BHC (Lindane)									
1	100	4.539	4.539	0.000	30298802	0.0251			
2	100	5.499	5.498	0.001	15134718	0.0241			
						RPD = 3.76			
7 beta-BHC									
1	100	4.671	4.671	0.000	12862660	0.0248			
2	100	5.684	5.684	0.000	6860524	0.0246			
						RPD = 0.62			
11 delta-BHC									
1	100	4.885	4.884	0.001	30539009	0.0249			
2	100	6.266	6.265	0.001	15780754	0.0243			
						RPD = 2.57			
22 Heptachlor									
1	100	5.165	5.165	0.000	25111202	0.0243			
2	100	6.327	6.327	0.000	11589103	0.0234			
						RPD = 3.69			
4 Aldrin									
1	100	5.612	5.611	0.001	27506844	0.0253			
2	100	7.071	7.073	-0.002	14229636	0.0246			
						RPD = 2.83			
23 Heptachlor epoxide									
1	100	6.828	6.826	0.002	24582427	0.0248			
2	100	8.571	8.571	0.000	12559929	0.0245			
						RPD = 1.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.128	7.125	0.003	24476047	0.0245			
2	100	8.979	8.977	0.002	12344861	0.0243			
						RPD = 0.98			
6 alpha-Chlordane									
1	100	7.475	7.474	0.001	24499815	0.0239			
2	100	9.287	9.288	-0.001	12366428	0.0237			
						RPD = 1.19			
14 Endosulfan I									
1	100	7.751	7.751	0.000	22196668	0.0245			
2	100	9.355	9.352	0.003	11054234	0.0241			
						RPD = 1.70			
2 4,4'-DDE									
1	100	7.855	7.853	0.002	23524975	0.0243			
2	100	9.734	9.734	0.000	11923013	0.0240			
						RPD = 1.19			
13 Dieldrin									
1	100	8.316	8.315	0.001	24392312	0.0244			
2	100	9.881	9.881	0.000	12143127	0.0243			
						RPD = 0.70			
17 Endrin									
1	100	8.777	8.776	0.001	22144761	0.0238			
2	100	10.403	10.403	0.000	10784054	0.0235			
						RPD = 1.31			
1 4,4'-DDD									
1	100	9.143	9.145	-0.002	18044566	0.0241			
2	100	10.745	10.744	0.001	7980078	0.0229			
						RPD = 5.27			
15 Endosulfan II									
1	100	9.230	9.229	0.001	20343755	0.0242			
2	100	10.775	10.775	0.000	10497428	0.0246			
						RPD = 1.37			
3 4,4'-DDT									
1	100	9.671	9.671	0.000	17049960	0.0242			
2	100	11.225	11.224	0.001	7420868	0.0240			
						RPD = 1.19			
18 Endrin aldehyde									
1	100	10.035	10.035	0.000	15538115	0.0241			
2	100	11.340	11.341	-0.001	7696656	0.0238			
						RPD = 1.29			
27 Methoxychlor									
1	100	10.635	10.635	0.000	8559846	0.0242			
2	100	12.308	12.308	0.000	3695985	0.0240			
						RPD = 0.98			
16 Endosulfan sulfate									
1	100	10.767	10.767	0.000	19071042	0.0246			
2	100	11.760	11.759	0.001	9327300	0.0243			
						RPD = 1.26			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.169	11.168	0.001	21149705	0.0235			
2	100	12.510	12.510	0.000	9923529	0.0231			
						RPD = 1.98			

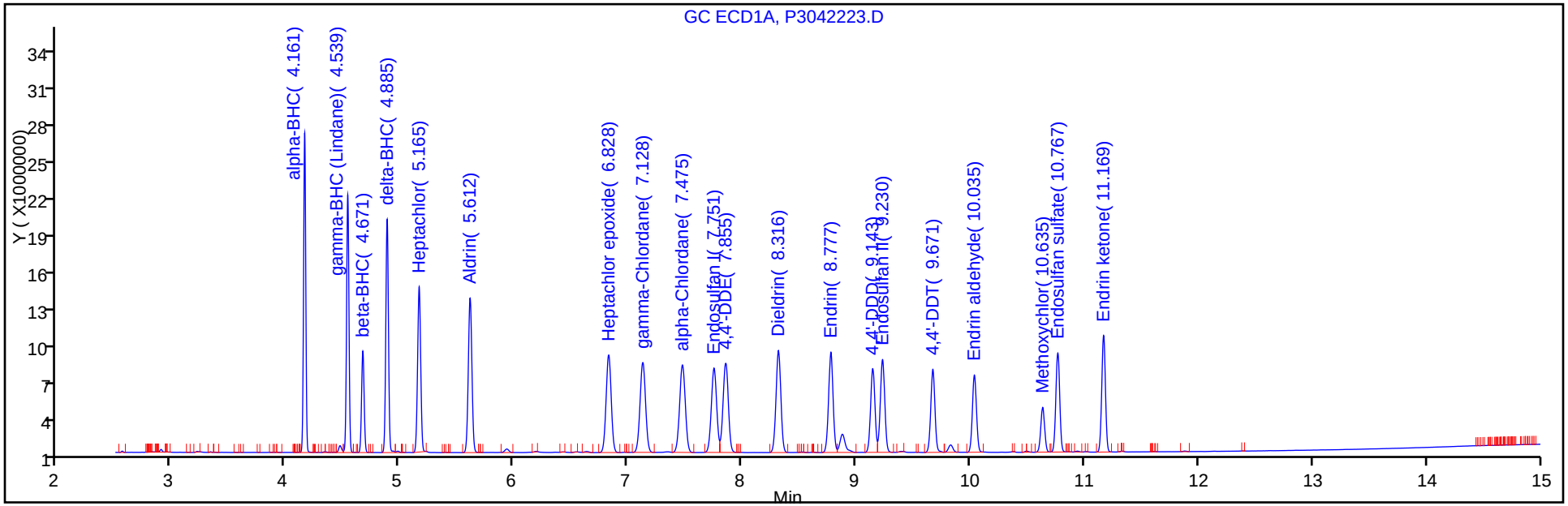
Report Date: 23-Apr-2013 11:40:42 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

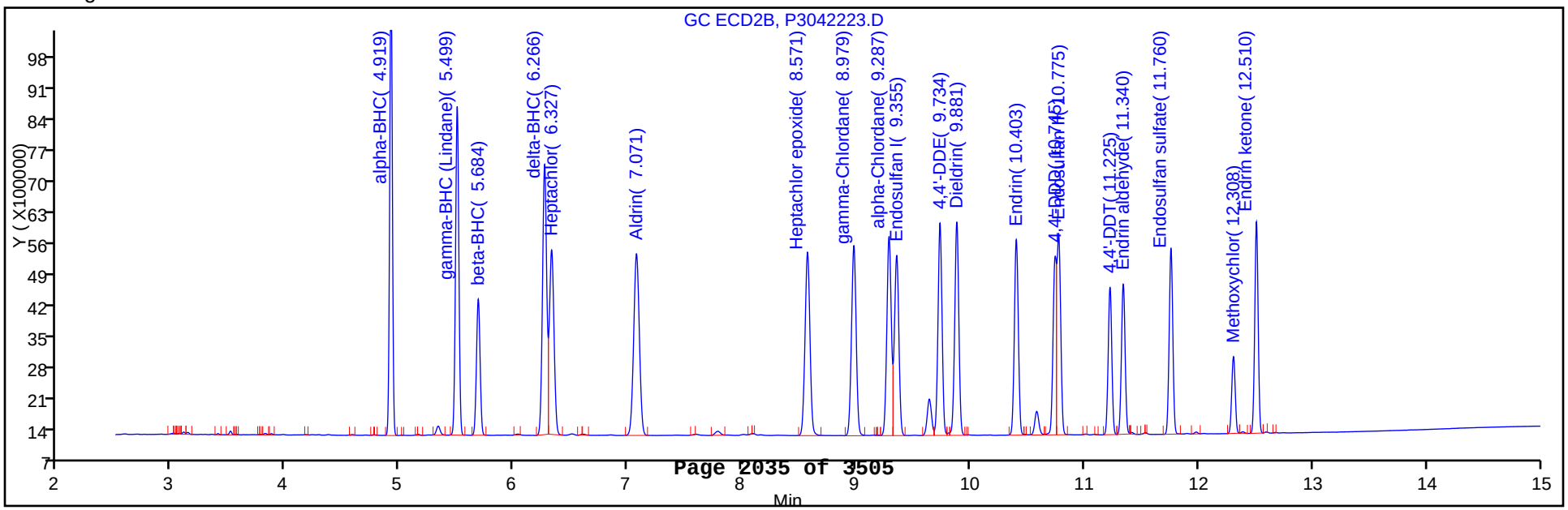
Data File: \\NCChrom\ChromData\A2HP3\20130422-19145.b\P3042223.D

Injection Date:	23-Apr-2013 00:55:21	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83061	Lims Sample ID:	23
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/5 Calibration Date: 04/24/2013 11:29

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042405.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1359242943	1413943960		0.0260	0.0250	4.0	20.0
gamma-BHC (Lindane)	Ave	1208604110	1245845440		0.0258	0.0250	3.1	20.0
beta-BHC	Ave	519268069	529497800		0.0255	0.0250	2.0	20.0
delta-BHC	Ave	1224286313	1242999880		0.0254	0.0250	1.5	20.0
Heptachlor	Ave	1032014038	1052520640		0.0255	0.0250	2.0	20.0
Aldrin	Ave	1088122939	1184004240		0.0272	0.0250	8.8	20.0
Heptachlor epoxide	Ave	992844247	1031107920		0.0260	0.0250	3.9	20.0
gamma-Chlordane	Ave	998864799	1033424800		0.0259	0.0250	3.5	20.0
alpha-Chlordane	Ave	1023188492	1074215640		0.0262	0.0250	5.0	20.0
Endosulfan I	Ave	906422798	947111280		0.0261	0.0250	4.5	20.0
4,4'-DDE	Ave	968863059	1082825080		0.0279	0.0250	11.8	20.0
Dieldrin	Ave	998340371	1043960720		0.0261	0.0250	4.6	20.0
Endrin	Ave	929514238	944353480		0.0254	0.0250	1.6	20.0
4,4'-DDD	Ave	747950398	823073320		0.0275	0.0250	10.0	20.0
Endosulfan II	Ave	839808708	907382680		0.0270	0.0250	8.0	20.0
4,4'-DDT	Ave	703196613	777269040		0.0276	0.0250	10.5	20.0
Endrin aldehyde	Ave	644279437	698807520		0.0271	0.0250	8.5	20.0
Methoxychlor	Ave	353664852	425426520		0.0301	0.0250	20.3*	20.0
Endosulfan sulfate	Ave	775754698	847499320		0.0273	0.0250	9.2	20.0
Endrin ketone	Ave	898237216	1022324000		0.0285	0.0250	13.8	20.0
Tetrachloro-m-xylene	Ave	882328290	969830760		0.0275	0.0250	9.9	20.0
DCB Decachlorobiphenyl	Ave	827157224	927393080		0.0280	0.0250	12.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/5 Calibration Date: 04/24/2013 11:29

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042405.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.88	4.85	4.91
Heptachlor	5.16	5.13	5.19
Aldrin	5.61	5.58	5.64
Heptachlor epoxide	6.82	6.79	6.85
gamma-Chlordane	7.12	7.09	7.15
alpha-Chlordane	7.47	7.44	7.50
Endosulfan I	7.74	7.71	7.77
4,4'-DDE	7.84	7.81	7.87
Dieldrin	8.31	8.28	8.34
Endrin	8.77	8.74	8.80
4,4'-DDD	9.14	9.11	9.17
Endosulfan II	9.22	9.19	9.25
4,4'-DDT	9.66	9.63	9.69
Endrin aldehyde	10.03	10.00	10.06
Methoxychlor	10.63	10.60	10.66
Endosulfan sulfate	10.76	10.73	10.79
Endrin ketone	11.16	11.13	11.19
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.78	12.75	12.81

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042405.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 24-Apr-2013 11:29:12 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0019209-005
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 83400 Lims Sample ID: 5
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
Last Update: 25-Apr-2013 07:51:57 Calib Date: 23-Apr-2013 17:41:50
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	24245769	0.0275			
2	100	4.064	4.064	0.000	13100293	0.0273			
						RPD = 0.71			
5 alpha-BHC									
1	100	4.158	4.158	0.000	35348599	0.0260			
2	100	4.915	4.915	0.000	18154237	0.0254			
						RPD = 2.27			
20 gamma-BHC (Lindane)									
1	100	4.536	4.536	0.000	31146136	0.0258			
2	100	5.493	5.493	0.000	15799787	0.0252			
						RPD = 2.22			
7 beta-BHC									
1	100	4.667	4.667	0.000	13237445	0.0255			
2	100	5.678	5.678	0.000	7091259	0.0254			
						RPD = 0.18			
11 delta-BHC									
1	100	4.880	4.880	0.000	31074997	0.0254			
2	100	6.259	6.259	0.000	16178125	0.0249			
						RPD = 1.82			
22 Heptachlor									
1	100	5.161	5.161	0.000	26313016	0.0255			
2	100	6.321	6.321	0.000	12452575	0.0252			
						RPD = 1.18			
4 Aldrin									
1	100	5.607	5.607	0.000	29600106	0.0272			
2	100	7.065	7.065	0.000	15323614	0.0265			
						RPD = 2.75			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.819	6.819	0.000	25777698	0.0260			
2	100	8.565	8.565	0.000	13123419	0.0255			
						RPD = 1.61			
21 gamma-Chlordane									
1	100	7.118	7.118	0.000	25835620	0.0259			
2	100	8.972	8.972	0.000	13046500	0.0256			
						RPD = 0.85			
6 alpha-Chlordane									
1	100	7.467	7.467	0.000	26855391	0.0262			
2	100	9.280	9.280	0.000	13506686	0.0258			
						RPD = 1.55			
14 Endosulfan I									
1	100	7.744	7.744	0.000	23677782	0.0261			
2	100	9.347	9.347	0.000	11715915	0.0255			
						RPD = 2.35			
2 4,4'-DDE									
1	100	7.844	7.844	0.000	27070627	0.0279			
2	100	9.727	9.727	0.000	13504593	0.0272			
						RPD = 2.77			
13 Dieldrin									
1	100	8.307	8.307	0.000	26099018	0.0261			
2	100	9.873	9.873	0.000	12896793	0.0258			
						RPD = 1.44			
17 Endrin									
1	100	8.769	8.769	0.000	23608837	0.0254			
2	100	10.397	10.397	0.000	11648026	0.0254			
						RPD = 0.00			
1 4,4'-DDD									
1	100	9.136	9.136	0.000	20576833	0.0275			
2	100	10.737	10.737	0.000	9513991	0.0273			
						RPD = 0.82			
15 Endosulfan II									
1	100	9.222	9.222	0.000	22684567	0.0270			
2	100	10.767	10.767	0.000	11643544	0.0272			
						RPD = 0.84			
3 4,4'-DDT									
1	100	9.663	9.663	0.000	19431726	0.0276			
2	100	11.217	11.217	0.000	8626443	0.0279			
						RPD = 0.79			
18 Endrin aldehyde									
1	100	10.029	10.029	0.000	17470188	0.0271			
2	100	11.333	11.333	0.000	8672215	0.0268			
						RPD = 1.07			
27 Methoxychlor									
1	100	10.627	10.627	0.000	10635663	0.0301			
2	100	12.300	12.300	0.000	4766009	0.0309			
						RPD = 2.74			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.760	10.760	0.000	21187483	0.0273			
2	100	11.752	11.752	0.000	10507291	0.0273			
						RPD = 0.13			
19 Endrin ketone									
1	100	11.161	11.161	0.000	25558100	0.0285			
2	100	12.501	12.501	0.000	12219349	0.0284			
						RPD = 0.10			
$ 10 DCB Decachlorobiphenyl									
1	100	12.784	12.784	0.000	23184827	0.0280			
2	100	14.217	14.217	0.000	11921908	0.0276			
						RPD = 1.54			

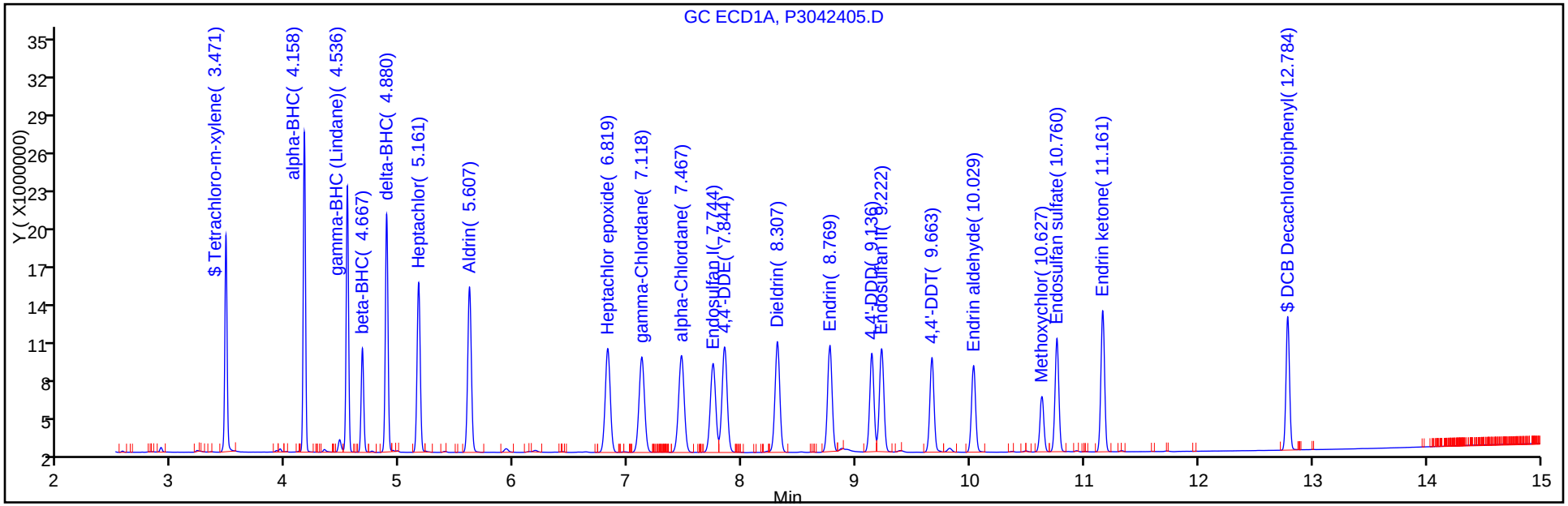
Report Date: 25-Apr-2013 07:51:57 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

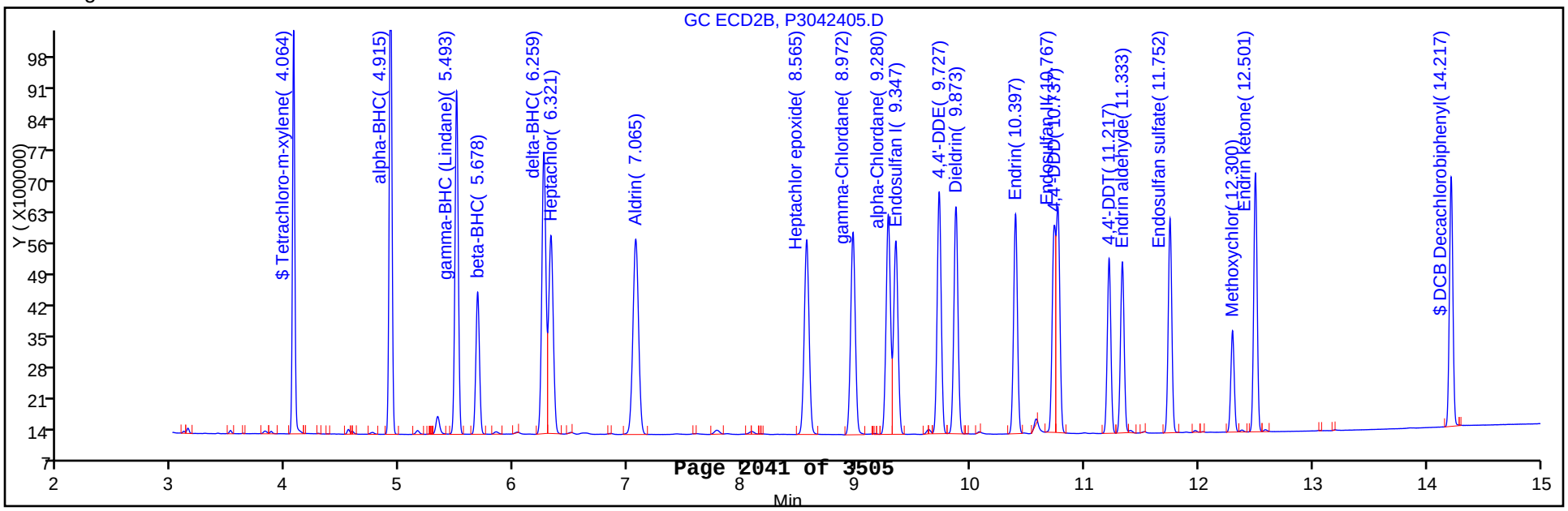
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042405.D

Injection Date:	24-Apr-2013 11:29:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/5 Calibration Date: 04/24/2013 11:29

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042405.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	714126036	726169480		0.0254	0.0250	1.7	20.0
gamma-BHC (Lindane)	Ave	626844478	631991480		0.0252	0.0250	0.8	20.0
beta-BHC	Ave	278685187	283650360		0.0254	0.0250	1.8	20.0
delta-BHC	Ave	649094974	647125000		0.0249	0.0250	-0.3	20.0
Heptachlor	Ave	494206075	498103000		0.0252	0.0250	0.8	20.0
Aldrin	Ave	579038535	612944560		0.0265	0.0250	5.9	20.0
Heptachlor epoxide	Ave	513668973	524936760		0.0255	0.0250	2.2	20.0
gamma-Chlordane	Ave	508733248	521860000		0.0256	0.0250	2.6	20.0
alpha-Chlordane	Ave	522623723	540267440		0.0258	0.0250	3.4	20.0
Endosulfan I	Ave	459163342	468636600		0.0255	0.0250	2.1	20.0
4,4'-DDE	Ave	496902560	540183720		0.0272	0.0250	8.7	20.0
Dieldrin	Ave	500474757	515871720		0.0258	0.0250	3.1	20.0
Endrin	Ave	458610093	465921040		0.0254	0.0250	1.6	20.0
4,4'-DDD	Ave	348673589	380559640		0.0273	0.0250	9.1	20.0
Endosulfan II	Ave	427445028	465741760		0.0272	0.0250	9.0	20.0
4,4'-DDT	Ave	309716187	345057720		0.0279	0.0250	11.4	20.0
Endrin aldehyde	Ave	323271966	346888600		0.0268	0.0250	7.3	20.0
Endosulfan sulfate	Ave	384218328	420291640		0.0273	0.0250	9.4	20.0
Methoxychlor	Ave	154205847	190640360		0.0309	0.0250	23.6*	20.0
Endrin ketone	Ave	429863795	488773960		0.0284	0.0250	13.7	20.0
Tetrachloro-m-xylene	Ave	480112544	524011720		0.0273	0.0250	9.1	20.0
DCB Decachlorobiphenyl	Ave	431941305	476876320		0.0276	0.0250	10.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/5 Calibration Date: 04/24/2013 11:29

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042405.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.49	5.46	5.52
beta-BHC	5.68	5.65	5.71
delta-BHC	6.26	6.23	6.29
Heptachlor	6.32	6.29	6.35
Aldrin	7.07	7.04	7.10
Heptachlor epoxide	8.57	8.54	8.60
gamma-Chlordane	8.97	8.94	9.00
alpha-Chlordane	9.28	9.25	9.31
Endosulfan I	9.35	9.32	9.38
4,4'-DDE	9.73	9.70	9.76
Dieldrin	9.87	9.84	9.90
Endrin	10.40	10.37	10.43
4,4'-DDD	10.74	10.71	10.77
Endosulfan II	10.77	10.74	10.80
4,4'-DDT	11.22	11.19	11.25
Endrin aldehyde	11.33	11.30	11.36
Endosulfan sulfate	11.75	11.72	11.78
Methoxychlor	12.30	12.27	12.33
Endrin ketone	12.50	12.47	12.53
Tetrachloro-m-xylene	4.06	4.03	4.09
DCB Decachlorobiphenyl	14.22	14.19	14.25

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042405.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 24-Apr-2013 11:29:12 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0019209-005
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 83400 Lims Sample ID: 5
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
Last Update: 25-Apr-2013 07:51:57 Calib Date: 23-Apr-2013 17:41:50
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	24245769	0.0275			
2	100	4.064	4.064	0.000	13100293	0.0273			
						RPD = 0.71			
5 alpha-BHC									
1	100	4.158	4.158	0.000	35348599	0.0260			
2	100	4.915	4.915	0.000	18154237	0.0254			
						RPD = 2.27			
20 gamma-BHC (Lindane)									
1	100	4.536	4.536	0.000	31146136	0.0258			
2	100	5.493	5.493	0.000	15799787	0.0252			
						RPD = 2.22			
7 beta-BHC									
1	100	4.667	4.667	0.000	13237445	0.0255			
2	100	5.678	5.678	0.000	7091259	0.0254			
						RPD = 0.18			
11 delta-BHC									
1	100	4.880	4.880	0.000	31074997	0.0254			
2	100	6.259	6.259	0.000	16178125	0.0249			
						RPD = 1.82			
22 Heptachlor									
1	100	5.161	5.161	0.000	26313016	0.0255			
2	100	6.321	6.321	0.000	12452575	0.0252			
						RPD = 1.18			
4 Aldrin									
1	100	5.607	5.607	0.000	29600106	0.0272			
2	100	7.065	7.065	0.000	15323614	0.0265			
						RPD = 2.75			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.819	6.819	0.000	25777698	0.0260			
2	100	8.565	8.565	0.000	13123419	0.0255			
						RPD = 1.61			
21 gamma-Chlordane									
1	100	7.118	7.118	0.000	25835620	0.0259			
2	100	8.972	8.972	0.000	13046500	0.0256			
						RPD = 0.85			
6 alpha-Chlordane									
1	100	7.467	7.467	0.000	26855391	0.0262			
2	100	9.280	9.280	0.000	13506686	0.0258			
						RPD = 1.55			
14 Endosulfan I									
1	100	7.744	7.744	0.000	23677782	0.0261			
2	100	9.347	9.347	0.000	11715915	0.0255			
						RPD = 2.35			
2 4,4'-DDE									
1	100	7.844	7.844	0.000	27070627	0.0279			
2	100	9.727	9.727	0.000	13504593	0.0272			
						RPD = 2.77			
13 Dieldrin									
1	100	8.307	8.307	0.000	26099018	0.0261			
2	100	9.873	9.873	0.000	12896793	0.0258			
						RPD = 1.44			
17 Endrin									
1	100	8.769	8.769	0.000	23608837	0.0254			
2	100	10.397	10.397	0.000	11648026	0.0254			
						RPD = 0.00			
1 4,4'-DDD									
1	100	9.136	9.136	0.000	20576833	0.0275			
2	100	10.737	10.737	0.000	9513991	0.0273			
						RPD = 0.82			
15 Endosulfan II									
1	100	9.222	9.222	0.000	22684567	0.0270			
2	100	10.767	10.767	0.000	11643544	0.0272			
						RPD = 0.84			
3 4,4'-DDT									
1	100	9.663	9.663	0.000	19431726	0.0276			
2	100	11.217	11.217	0.000	8626443	0.0279			
						RPD = 0.79			
18 Endrin aldehyde									
1	100	10.029	10.029	0.000	17470188	0.0271			
2	100	11.333	11.333	0.000	8672215	0.0268			
						RPD = 1.07			
27 Methoxychlor									
1	100	10.627	10.627	0.000	10635663	0.0301			
2	100	12.300	12.300	0.000	4766009	0.0309			
						RPD = 2.74			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.760	10.760	0.000	21187483	0.0273			
2	100	11.752	11.752	0.000	10507291	0.0273			
						RPD = 0.13			
19 Endrin ketone									
1	100	11.161	11.161	0.000	25558100	0.0285			
2	100	12.501	12.501	0.000	12219349	0.0284			
						RPD = 0.10			
$ 10 DCB Decachlorobiphenyl									
1	100	12.784	12.784	0.000	23184827	0.0280			
2	100	14.217	14.217	0.000	11921908	0.0276			
						RPD = 1.54			

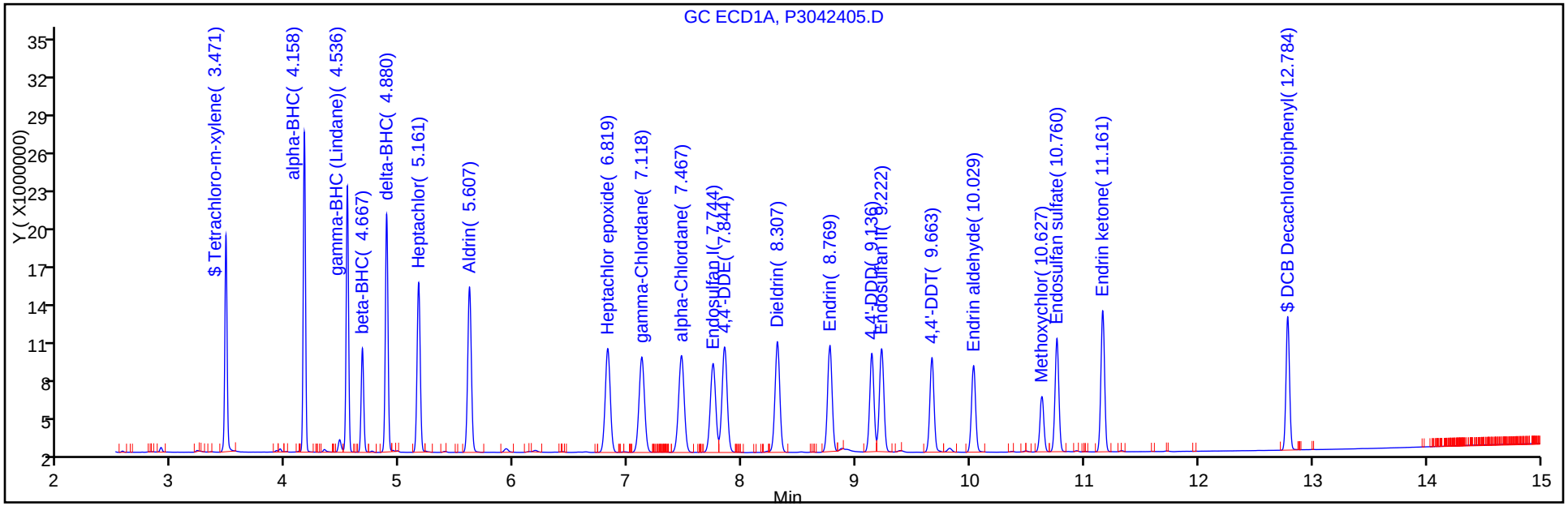
Report Date: 25-Apr-2013 07:51:57 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

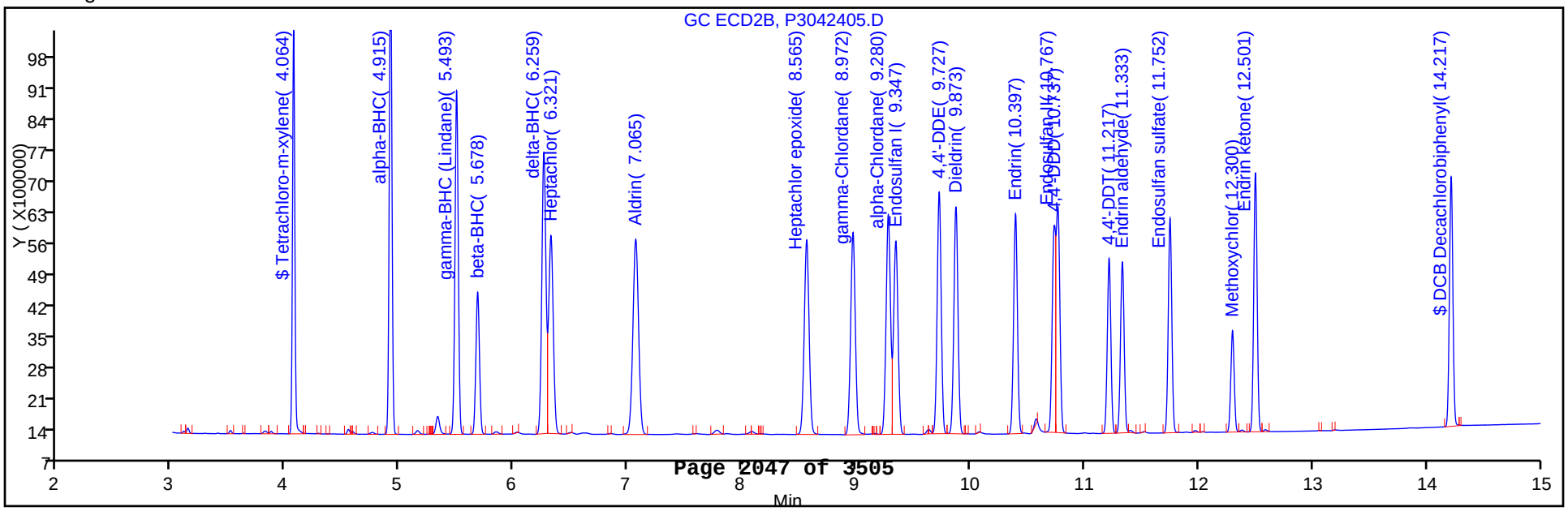
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Injection Date:	24-Apr-2013 11:29:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	5
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/24 Calibration Date: 04/24/2013 17:52

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042424.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1359242943	1583425240		0.0291	0.0250	16.5	20.0
gamma-BHC (Lindane)	Ave	1208604110	1366017000		0.0283	0.0250	13.0	20.0
beta-BHC	Ave	519268069	585440800		0.0282	0.0250	12.7	20.0
delta-BHC	Ave	1224286313	1354056840		0.0276	0.0250	10.6	20.0
Heptachlor	Ave	1032014038	1195781920		0.0290	0.0250	15.9	20.0
Aldrin	Ave	1088122939	1337946480		0.0307	0.0250	23.0*	20.0
Heptachlor epoxide	Ave	992844247	1178031040		0.0297	0.0250	18.7	20.0
gamma-Chlordane	Ave	998864799	1182217280		0.0296	0.0250	18.4	20.0
alpha-Chlordane	Ave	1023188492	1232363760		0.0301	0.0250	20.4*	20.0
Endosulfan I	Ave	906422798	1082112880		0.0298	0.0250	19.4	20.0
4,4'-DDE	Ave	968863059	1234525040		0.0319	0.0250	27.4*	20.0
Dieldrin	Ave	998340371	1209333520		0.0303	0.0250	21.1*	20.0
Endrin	Ave	929514238	1141722040		0.0307	0.0250	22.8*	20.0
4,4'-DDD	Ave	747950398	974140200		0.0326	0.0250	30.2*	20.0
Endosulfan II	Ave	839808708	1026939080		0.0306	0.0250	22.3*	20.0
4,4'-DDT	Ave	703196613	819277120		0.0291	0.0250	16.5	20.0
Endrin aldehyde	Ave	644279437	777584320		0.0302	0.0250	20.7*	20.0
Methoxychlor	Ave	353664852	458046320		0.0324	0.0250	29.5*	20.0
Endosulfan sulfate	Ave	775754698	925471400		0.0298	0.0250	19.3	20.0
Endrin ketone	Ave	898237216	1133159680		0.0315	0.0250	26.2*	20.0
Tetrachloro-m-xylene	Ave	882328290	1031857880		0.0292	0.0250	16.9	20.0
DCB Decachlorobiphenyl	Ave	827157224	949827320		0.0287	0.0250	14.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/24 Calibration Date: 04/24/2013 17:52

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042424.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.88	4.85	4.91
Heptachlor	5.16	5.13	5.19
Aldrin	5.61	5.58	5.64
Heptachlor epoxide	6.82	6.79	6.85
gamma-Chlordane	7.12	7.09	7.15
alpha-Chlordane	7.47	7.44	7.50
Endosulfan I	7.75	7.72	7.78
4,4'-DDE	7.85	7.82	7.88
Dieldrin	8.31	8.28	8.34
Endrin	8.77	8.74	8.80
4,4'-DDD	9.14	9.11	9.17
Endosulfan II	9.23	9.20	9.26
4,4'-DDT	9.67	9.64	9.70
Endrin aldehyde	10.03	10.00	10.06
Methoxychlor	10.63	10.60	10.66
Endosulfan sulfate	10.76	10.73	10.79
Endrin ketone	11.17	11.14	11.20
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.79	12.76	12.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042424.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 24-Apr-2013 17:52:41 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019209-005
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 83400 Lims Sample ID: 24
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
Last Update: 25-Apr-2013 07:51:37 Calib Date: 23-Apr-2013 17:41:50
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	25796447	0.0292			
2	100	4.064	4.064	0.000	13886038	0.0289			
						RPD = 1.08			
5 alpha-BHC									
1	100	4.159	4.159	0.000	39585631	0.0291			
2	100	4.915	4.915	0.000	20675841	0.0290			
						RPD = 0.59			
20 gamma-BHC (Lindane)									
1	100	4.537	4.537	0.000	34150425	0.0283			
2	100	5.494	5.494	0.000	17692215	0.0282			
						RPD = 0.11			
7 beta-BHC									
1	100	4.669	4.669	0.000	14636020	0.0282			
2	100	5.679	5.679	0.000	7862305	0.0282			
						RPD = 0.09			
11 delta-BHC									
1	100	4.882	4.882	0.000	33851421	0.0276			
2	100	6.259	6.259	0.000	17871261	0.0275			
						RPD = 0.43			
22 Heptachlor									
1	100	5.163	5.163	0.000	29894548	0.0290			
2	100	6.322	6.322	0.000	14306619	0.0289			
						RPD = 0.06			
4 Aldrin									
1	100	5.609	5.609	0.000	33448662	0.0307			
2	100	7.064	7.064	0.000	17419264	0.0301			
						RPD = 2.16			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.822	6.822	0.000	29450776	0.0297			
2	100	8.565	8.565	0.000	15210276	0.0296			
						RPD = 0.18			
21 gamma-Chlordane									
1	100	7.121	7.121	0.000	29555432	0.0296			
2	100	8.970	8.970	0.000	15173207	0.0298			
						RPD = 0.80			
6 alpha-Chlordane									
1	100	7.470	7.470	0.000	30809094	0.0301			
2	100	9.280	9.280	0.000	15541067	0.0297			
						RPD = 1.25			
14 Endosulfan I									
1	100	7.746	7.746	0.000	27052822	0.0298			
2	100	9.346	9.346	0.000	13628294	0.0297			
						RPD = 0.55			
2 4,4'-DDE									
1	100	7.850	7.850	0.000	30863126	0.0319			
2	100	9.727	9.727	0.000	15425529	0.0310			
						RPD = 2.58			
13 Dieldrin									
1	100	8.310	8.310	0.000	30233338	0.0303			
2	100	9.874	9.874	0.000	15021787	0.0300			
						RPD = 0.89			
17 Endrin									
1	100	8.771	8.771	0.000	28543051	0.0307			
2	100	10.396	10.396	0.000	13924927	0.0304			
						RPD = 1.13			
1 4,4'-DDD									
1	100	9.139	9.139	0.000	24353505	0.0326			
2	100	10.736	10.736	0.000	12132514	0.0348			
						RPD = 6.64			
15 Endosulfan II									
1	100	9.225	9.225	0.000	25673477	0.0306			
2	100	10.766	10.766	0.000	12829216	0.0300			
						RPD = 1.84			
3 4,4'-DDT									
1	100	9.668	9.668	0.000	20481928	0.0291			
2	100	11.217	11.217	0.000	9075975	0.0293			
						RPD = 0.61			
18 Endrin aldehyde									
1	100	10.030	10.030	0.000	19439608	0.0302			
2	100	11.333	11.333	0.000	9638828	0.0298			
						RPD = 1.19			
27 Methoxychlor									
1	100	10.630	10.630	0.000	11451158	0.0324			
2	100	12.299	12.299	0.000	5057543	0.0328			
						RPD = 1.29			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.763	10.763	0.000	23136785	0.0298			
2	100	11.752	11.752	0.000	11654425	0.0303			
						RPD = 1.69			
19 Endrin ketone									
1	100	11.165	11.165	0.000	28328992	0.0315			
2	100	12.501	12.501	0.000	13547244	0.0315			
						RPD = 0.07			
$ 10 DCB Decachlorobiphenyl									
1	100	12.787	12.787	0.000	23745683	0.0287			
2	100	14.217	14.217	0.000	12282007	0.0284			
						RPD = 0.96			

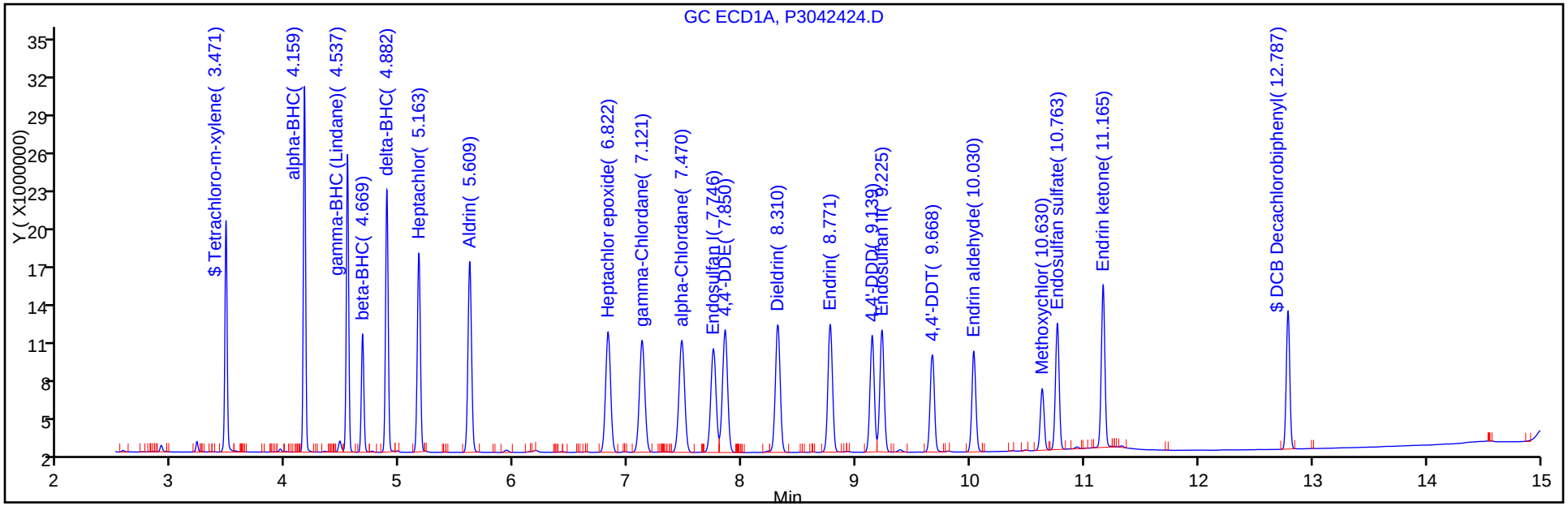
Report Date: 25-Apr-2013 07:51:38 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

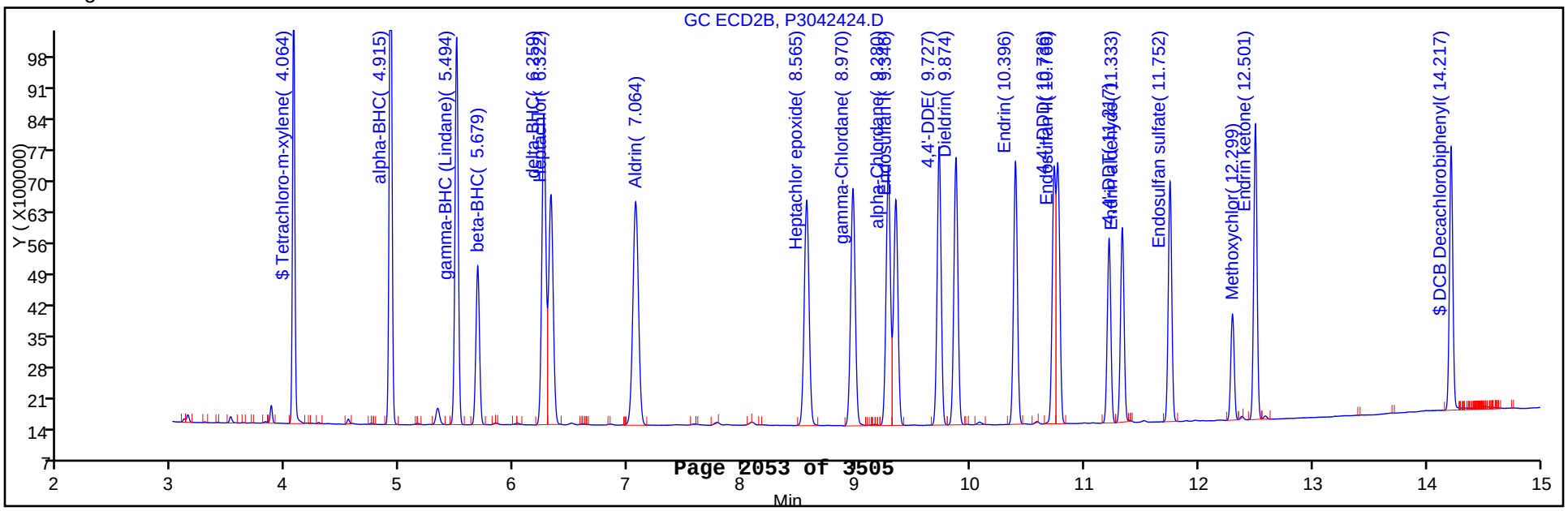
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Injection Date:	24-Apr-2013 17:52:41	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/24 Calibration Date: 04/24/2013 17:52

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042424.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	714126036	827033640		0.0290	0.0250	15.8	20.0
gamma-BHC (Lindane)	Ave	626844478	707688600		0.0282	0.0250	12.9	20.0
beta-BHC	Ave	278685187	314492200		0.0282	0.0250	12.8	20.0
delta-BHC	Ave	649094974	714850440		0.0275	0.0250	10.1	20.0
Heptachlor	Ave	494206075	572264760		0.0289	0.0250	15.8	20.0
Aldrin	Ave	579038535	696770560		0.0301	0.0250	20.3*	20.0
Heptachlor epoxide	Ave	513668973	608411040		0.0296	0.0250	18.4	20.0
gamma-Chlordane	Ave	508733248	606928280		0.0298	0.0250	19.3	20.0
alpha-Chlordane	Ave	522623723	621642680		0.0297	0.0250	18.9	20.0
Endosulfan I	Ave	459163342	545131760		0.0297	0.0250	18.7	20.0
4,4'-DDE	Ave	496902560	617021160		0.0310	0.0250	24.2*	20.0
Dieldrin	Ave	500474757	600871480		0.0300	0.0250	20.1*	20.0
Endrin	Ave	458610093	556997080		0.0304	0.0250	21.5*	20.0
4,4'-DDD	Ave	348673589	485300560		0.0348	0.0250	39.2*	20.0
Endosulfan II	Ave	427445028	513168640		0.0300	0.0250	20.1*	20.0
4,4'-DDT	Ave	309716187	363039000		0.0293	0.0250	17.2	20.0
Endrin aldehyde	Ave	323271966	385553120		0.0298	0.0250	19.3	20.0
Endosulfan sulfate	Ave	384218328	466177000		0.0303	0.0250	21.3*	20.0
Methoxychlor	Ave	154205847	202301720		0.0328	0.0250	31.2*	20.0
Endrin ketone	Ave	429863795	541889760		0.0315	0.0250	26.1*	20.0
Tetrachloro-m-xylene	Ave	480112544	555441520		0.0289	0.0250	15.7	20.0
DCB Decachlorobiphenyl	Ave	431941305	491280280		0.0284	0.0250	13.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/24 Calibration Date: 04/24/2013 17:52

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042424.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.49	5.46	5.52
beta-BHC	5.68	5.65	5.71
delta-BHC	6.26	6.23	6.29
Heptachlor	6.32	6.29	6.35
Aldrin	7.06	7.03	7.09
Heptachlor epoxide	8.57	8.54	8.60
gamma-Chlordane	8.97	8.94	9.00
alpha-Chlordane	9.28	9.25	9.31
Endosulfan I	9.35	9.32	9.38
4,4'-DDE	9.73	9.70	9.76
Dieldrin	9.87	9.84	9.90
Endrin	10.40	10.37	10.43
4,4'-DDD	10.74	10.71	10.77
Endosulfan II	10.77	10.74	10.80
4,4'-DDT	11.22	11.19	11.25
Endrin aldehyde	11.33	11.30	11.36
Endosulfan sulfate	11.75	11.72	11.78
Methoxychlor	12.30	12.27	12.33
Endrin ketone	12.50	12.47	12.53
Tetrachloro-m-xylene	4.06	4.03	4.09
DCB Decachlorobiphenyl	14.22	14.19	14.25

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042424.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 24-Apr-2013 17:52:41 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019209-005
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 83400 Lims Sample ID: 24
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
Last Update: 25-Apr-2013 07:51:37 Calib Date: 23-Apr-2013 17:41:50
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	25796447	0.0292			
2	100	4.064	4.064	0.000	13886038	0.0289			
						RPD = 1.08			
5 alpha-BHC									
1	100	4.159	4.159	0.000	39585631	0.0291			
2	100	4.915	4.915	0.000	20675841	0.0290			
						RPD = 0.59			
20 gamma-BHC (Lindane)									
1	100	4.537	4.537	0.000	34150425	0.0283			
2	100	5.494	5.494	0.000	17692215	0.0282			
						RPD = 0.11			
7 beta-BHC									
1	100	4.669	4.669	0.000	14636020	0.0282			
2	100	5.679	5.679	0.000	7862305	0.0282			
						RPD = 0.09			
11 delta-BHC									
1	100	4.882	4.882	0.000	33851421	0.0276			
2	100	6.259	6.259	0.000	17871261	0.0275			
						RPD = 0.43			
22 Heptachlor									
1	100	5.163	5.163	0.000	29894548	0.0290			
2	100	6.322	6.322	0.000	14306619	0.0289			
						RPD = 0.06			
4 Aldrin									
1	100	5.609	5.609	0.000	33448662	0.0307			
2	100	7.064	7.064	0.000	17419264	0.0301			
						RPD = 2.16			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.822	6.822	0.000	29450776	0.0297			
2	100	8.565	8.565	0.000	15210276	0.0296			
						RPD = 0.18			
21 gamma-Chlordane									
1	100	7.121	7.121	0.000	29555432	0.0296			
2	100	8.970	8.970	0.000	15173207	0.0298			
						RPD = 0.80			
6 alpha-Chlordane									
1	100	7.470	7.470	0.000	30809094	0.0301			
2	100	9.280	9.280	0.000	15541067	0.0297			
						RPD = 1.25			
14 Endosulfan I									
1	100	7.746	7.746	0.000	27052822	0.0298			
2	100	9.346	9.346	0.000	13628294	0.0297			
						RPD = 0.55			
2 4,4'-DDE									
1	100	7.850	7.850	0.000	30863126	0.0319			
2	100	9.727	9.727	0.000	15425529	0.0310			
						RPD = 2.58			
13 Dieldrin									
1	100	8.310	8.310	0.000	30233338	0.0303			
2	100	9.874	9.874	0.000	15021787	0.0300			
						RPD = 0.89			
17 Endrin									
1	100	8.771	8.771	0.000	28543051	0.0307			
2	100	10.396	10.396	0.000	13924927	0.0304			
						RPD = 1.13			
1 4,4'-DDD									
1	100	9.139	9.139	0.000	24353505	0.0326			
2	100	10.736	10.736	0.000	12132514	0.0348			
						RPD = 6.64			
15 Endosulfan II									
1	100	9.225	9.225	0.000	25673477	0.0306			
2	100	10.766	10.766	0.000	12829216	0.0300			
						RPD = 1.84			
3 4,4'-DDT									
1	100	9.668	9.668	0.000	20481928	0.0291			
2	100	11.217	11.217	0.000	9075975	0.0293			
						RPD = 0.61			
18 Endrin aldehyde									
1	100	10.030	10.030	0.000	19439608	0.0302			
2	100	11.333	11.333	0.000	9638828	0.0298			
						RPD = 1.19			
27 Methoxychlor									
1	100	10.630	10.630	0.000	11451158	0.0324			
2	100	12.299	12.299	0.000	5057543	0.0328			
						RPD = 1.29			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.763	10.763	0.000	23136785	0.0298			
2	100	11.752	11.752	0.000	11654425	0.0303			
						RPD = 1.69			
19 Endrin ketone									
1	100	11.165	11.165	0.000	28328992	0.0315			
2	100	12.501	12.501	0.000	13547244	0.0315			
						RPD = 0.07			
$ 10 DCB Decachlorobiphenyl									
1	100	12.787	12.787	0.000	23745683	0.0287			
2	100	14.217	14.217	0.000	12282007	0.0284			
						RPD = 0.96			

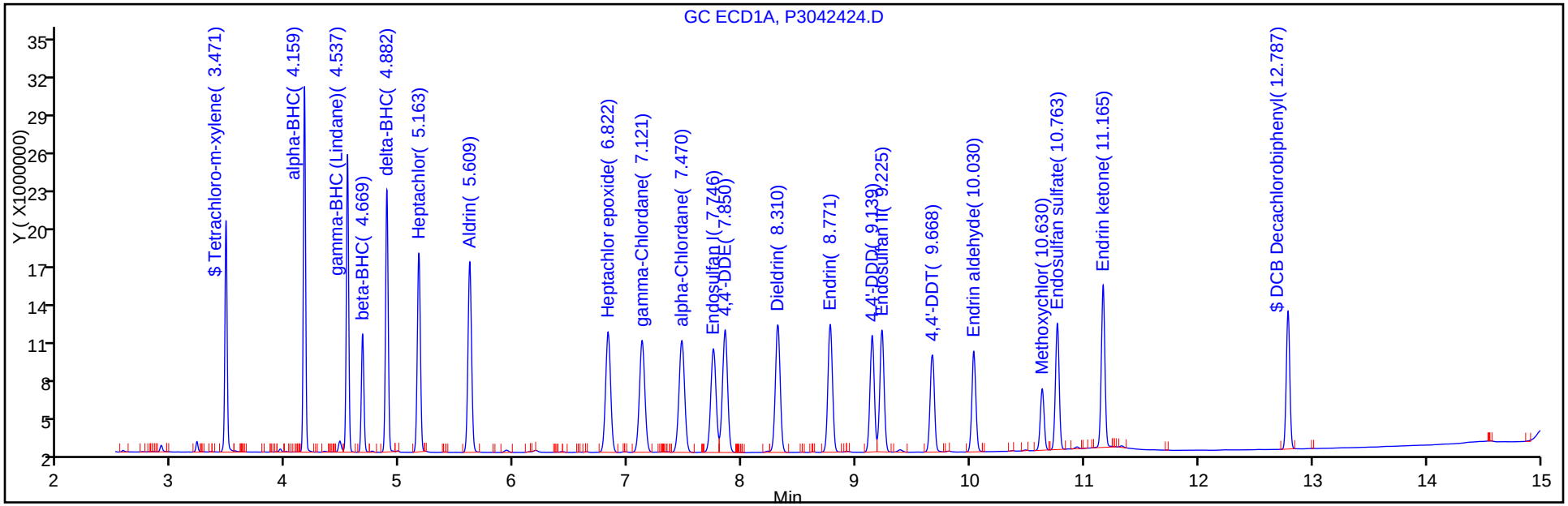
Report Date: 25-Apr-2013 07:51:38 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

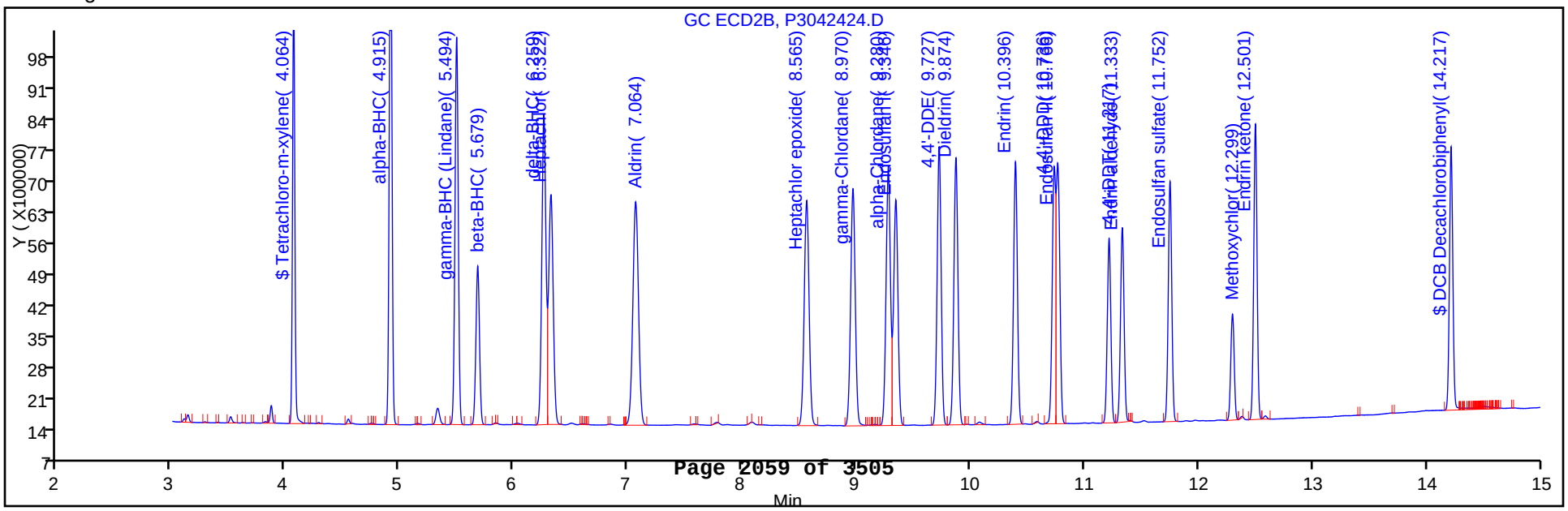
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Injection Date:	24-Apr-2013 17:52:41	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	24
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/25 Calibration Date: 04/24/2013 18:12

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/22/2013 20:13

Lab File ID: P3042425.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	38294747	39882930		1.04	1.00	4.1	20.0
Toxaphene Peak 2	Ave	36690952	39985314		1.09	1.00	9.0	20.0
Toxaphene Peak 3	Ave	28834208	30286180		1.05	1.00	5.0	20.0
Toxaphene Peak 4	Ave	23017922	27819490		1.21	1.00	20.9*	20.0
Toxaphene Peak 5	Ave	18081479	15013011		0.830	1.00	-17.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/25 Calibration Date: 04/24/2013 18:12

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/22/2013 20:13

Lab File ID: P3042425.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.22	10.19	10.25
Toxaphene Peak 2	10.57	10.54	10.60
Toxaphene Peak 3	10.72	10.69	10.75
Toxaphene Peak 4	11.13	11.10	11.16
Toxaphene Peak 5	11.40	11.37	11.43

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042425.D		
Lims ID:	CCV TOX3	Client ID:	
Inject. Date:	24-Apr-2013 18:12:50	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0019209-006		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	83400	Lims Sample ID:	25
Sublist:	chrom-PEST3*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:35	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: shockr Date: 25-Apr-2013 07:12:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.218	10.218	0.000	39882930	1.04		100.0	
1	2	10.565	10.565	0.000	39985314	1.09	77.7- 117.7	100.3	
1	3	10.717	10.717	0.000	30286180	1.05	57.0- 97.0	75.9	
1	4	11.134	11.134	0.000	27819490	1.21	39.5- 79.5	69.8	
1	5	11.404	11.404	0.000	15013011	0.8303	26.4- 66.4	37.6	
			Average of Peak Amounts =			1.04			
2	100	10.320	10.320	0.000	17901309	1.20		100.0	M
2	2	10.915	10.915	0.000	22794884	1.24	102.8- 142.8	127.3	M
2	3	11.336	11.336	0.000	24698521	1.15	124.4- 164.4	138.0	M
2	4	12.077	12.077	0.000	25721504	1.07	139.5- 179.5	143.7	M
2	5	12.638	12.638	0.000	9622267	1.00	45.4- 85.4	53.8	M
			Average of Peak Amounts =			1.13			
						RPD = 8.09			

QC Flag Legend

Review Flags
M - Manually Integrated

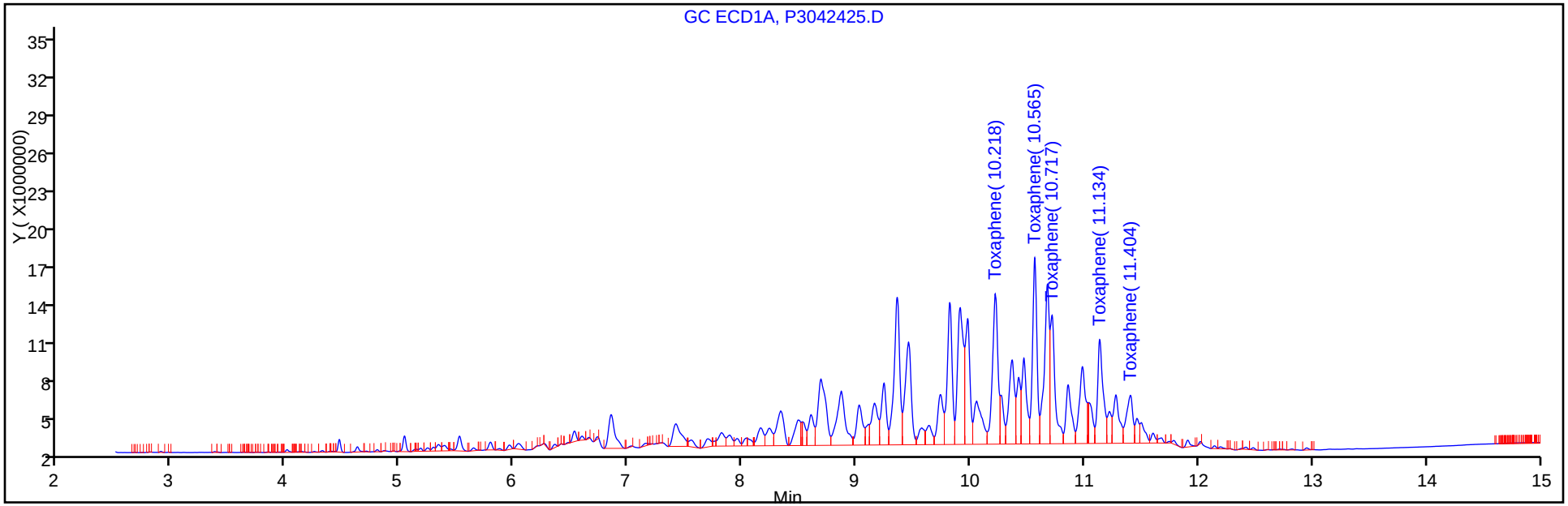
Report Date: 25-Apr-2013 07:51:36 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

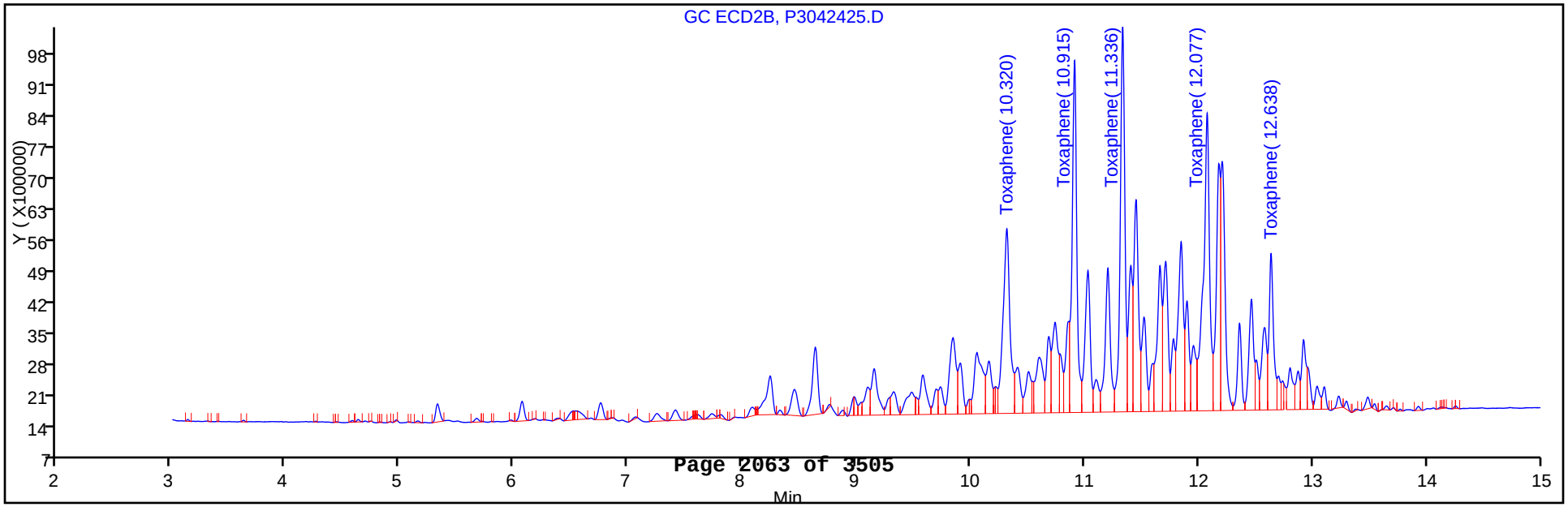
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Injection Date:	24-Apr-2013 18:12:50	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	25
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/25 Calibration Date: 04/24/2013 18:12

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/22/2013 20:13

Lab File ID: P3042425.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	14975845	17901309		1.20	1.00	19.5	20.0
Toxaphene Peak 2	Ave	18337483	22794884		1.24	1.00	24.3*	20.0
Toxaphene Peak 3	Ave	21437307	24698521		1.15	1.00	15.2	20.0
Toxaphene Peak 4	Ave	24002348	25721504		1.07	1.00	7.2	20.0
Toxaphene Peak 5	Ave	9638555	9622267		0.998	1.00	-0.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/25 Calibration Date: 04/24/2013 18:12

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 18:52

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/22/2013 20:13

Lab File ID: P3042425.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.32	10.29	10.35
Toxaphene Peak 2	10.92	10.89	10.95
Toxaphene Peak 3	11.34	11.31	11.37
Toxaphene Peak 4	12.08	12.05	12.11
Toxaphene Peak 5	12.64	12.61	12.67

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042425.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 24-Apr-2013 18:12:50 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019209-006
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 83400 Lims Sample ID: 25
Sublist: chrom-PEST3*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
Last Update: 25-Apr-2013 07:51:35 Calib Date: 23-Apr-2013 17:41:50
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: shockr Date: 25-Apr-2013 07:12:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	1	10.218	10.218	0.000	39882930	1.04		100.0	
1	2	10.565	10.565	0.000	39985314	1.09	77.7- 117.7	100.3	
1	3	10.717	10.717	0.000	30286180	1.05	57.0- 97.0	75.9	
1	4	11.134	11.134	0.000	27819490	1.21	39.5- 79.5	69.8	
1	5	11.404	11.404	0.000	15013011	0.8303	26.4- 66.4	37.6	
			Average of Peak Amounts =			1.04			
2	100	10.320	10.320	0.000	17901309	1.20		100.0	M
2	2	10.915	10.915	0.000	22794884	1.24	102.8- 142.8	127.3	M
2	3	11.336	11.336	0.000	24698521	1.15	124.4- 164.4	138.0	M
2	4	12.077	12.077	0.000	25721504	1.07	139.5- 179.5	143.7	M
2	5	12.638	12.638	0.000	9622267	1.00	45.4- 85.4	53.8	M
			Average of Peak Amounts =			1.13			
						RPD = 8.09			

QC Flag Legend

Review Flags
M - Manually Integrated

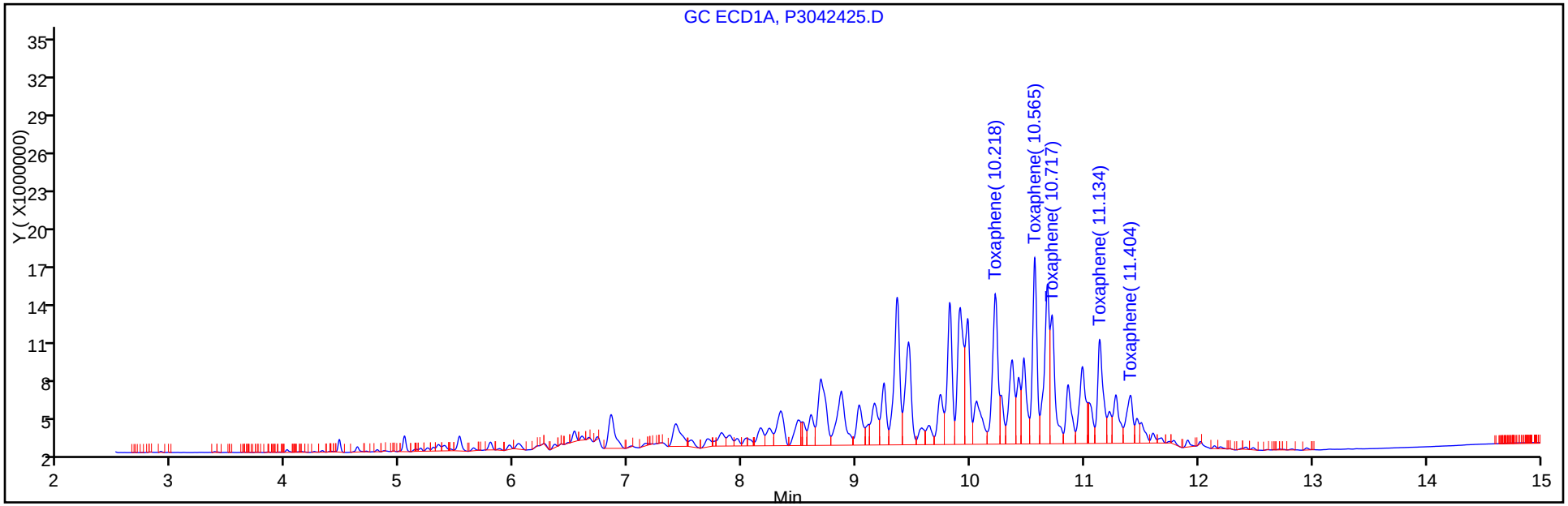
Report Date: 25-Apr-2013 07:51:37 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

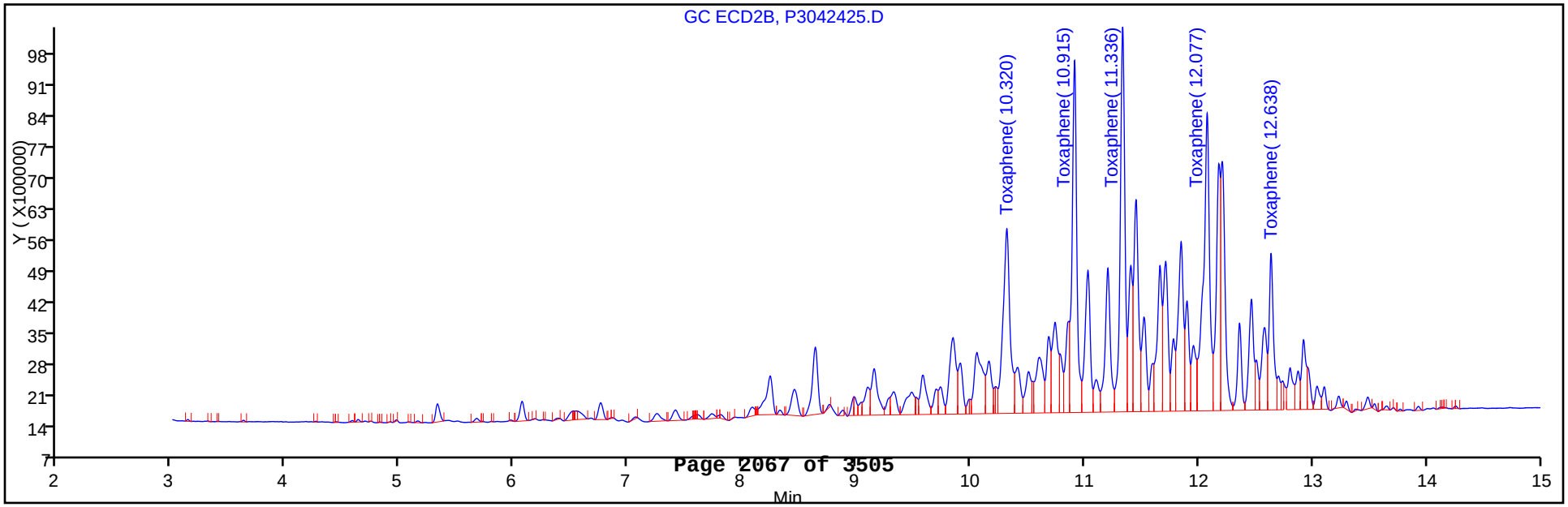
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Injection Date:	24-Apr-2013 18:12:50	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	25
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



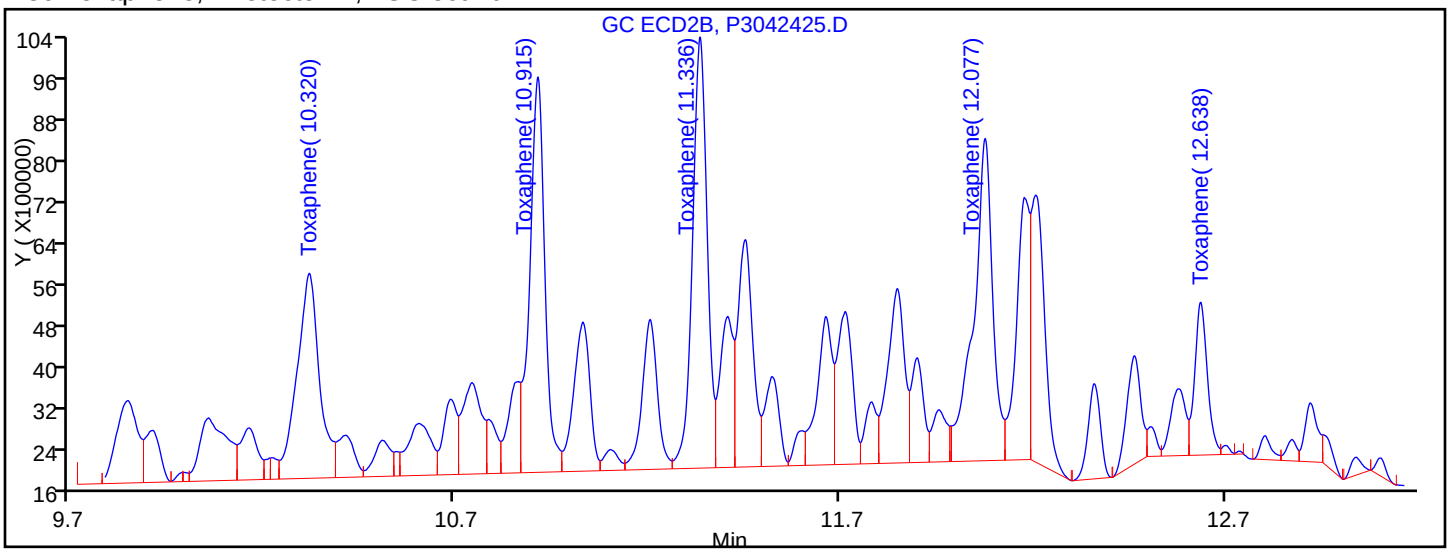
Report Date: 25-Apr-2013 07:51:37 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042425.D

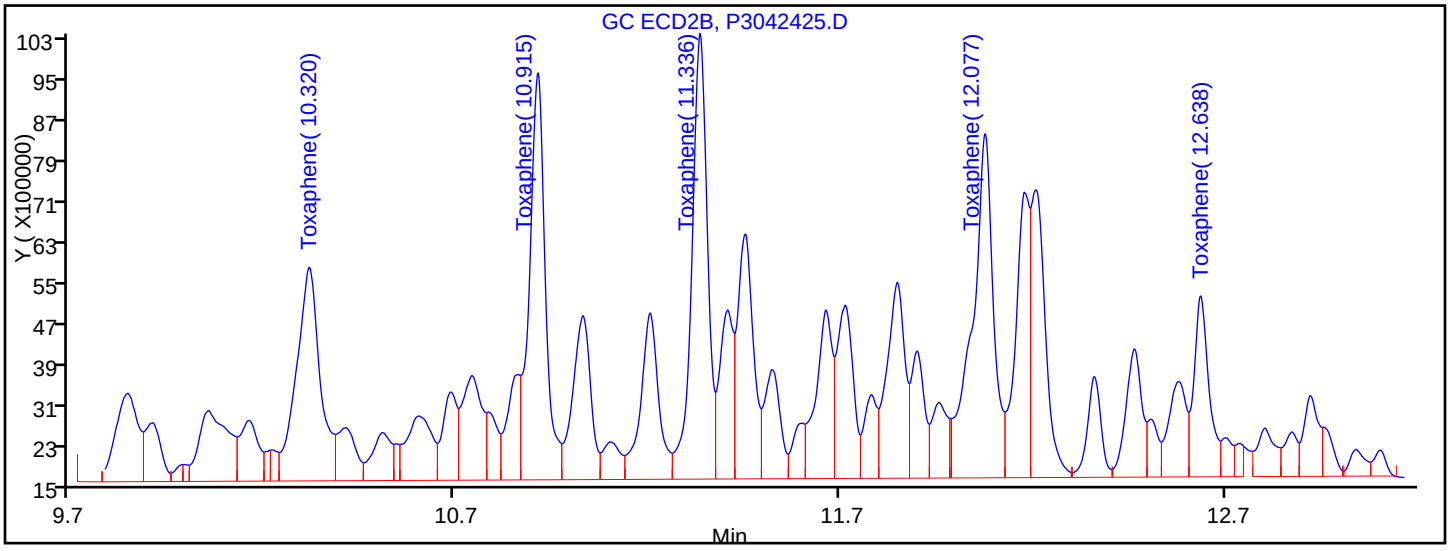
Injection Date:	24-Apr-2013 18:12:50	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	25
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.320	Response = 16090343	M
RT = 10.915	Response = 20857169	M
RT = 11.336	Response = 22227562	M
RT = 12.077	Response = 21680943	M
RT = 12.638	Response = 6762053	M



Manual Integration Results

RT = 10.320	Response = 17901309	M
RT = 10.915	Response = 22794884	M
RT = 11.336	Response = 24698521	M
RT = 12.077	Response = 25721504	M
RT = 12.638	Response = 9622267	M

Reviewer: shockr, 25-Apr-2013 07:12:36

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/38 Calibration Date: 04/24/2013 22:35

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042438.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1359242943	1579382960		0.0290	0.0250	16.2	20.0
gamma-BHC (Lindane)	Ave	1208604110	1348782920		0.0279	0.0250	11.6	20.0
beta-BHC	Ave	519268069	584094360		0.0281	0.0250	12.5	20.0
delta-BHC	Ave	1224286313	1230458480		0.0251	0.0250	0.5	20.0
Heptachlor	Ave	1032014038	1049704160		0.0254	0.0250	1.7	20.0
Aldrin	Ave	1088122939	1343372720		0.0309	0.0250	23.5*	20.0
Heptachlor epoxide	Ave	992844247	1187078000		0.0299	0.0250	19.6	20.0
gamma-Chlordane	Ave	998864799	1218187840		0.0305	0.0250	22.0*	20.0
alpha-Chlordane	Ave	1023188492	1258056680		0.0307	0.0250	23.0*	20.0
Endosulfan I	Ave	906422798	1051982000		0.0290	0.0250	16.1	20.0
4,4'-DDE	Ave	968863059	1227534640		0.0317	0.0250	26.7*	20.0
Dieldrin	Ave	998340371	1217414320		0.0305	0.0250	21.9*	20.0
Endrin	Ave	929514238	1096147640		0.0295	0.0250	17.9	20.0
4,4'-DDD	Ave	747950398	1047748160		0.0350	0.0250	40.1*	20.0
Endosulfan II	Ave	839808708	1001911680		0.0298	0.0250	19.3	20.0
4,4'-DDT	Ave	703196613	490030840		0.0174	0.0250	-30.3*	20.0
Endrin aldehyde	Ave	644279437	617961600		0.0240	0.0250	-4.1	20.0
Methoxychlor	Ave	353664852	319879760		0.0226	0.0250	-9.6	20.0
Endosulfan sulfate	Ave	775754698	877491680		0.0283	0.0250	13.1	20.0
Endrin ketone	Ave	898237216	933852120		0.0260	0.0250	4.0	20.0
Tetrachloro-m-xylene	Ave	882328290	1018497720		0.0289	0.0250	15.4	20.0
DCB Decachlorobiphenyl	Ave	827157224	932039320		0.0282	0.0250	12.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/38 Calibration Date: 04/24/2013 22:35

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042438.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.16	4.13	4.19
gamma-BHC (Lindane)	4.54	4.51	4.57
beta-BHC	4.67	4.64	4.70
delta-BHC	4.88	4.85	4.91
Heptachlor	5.16	5.13	5.19
Aldrin	5.61	5.58	5.64
Heptachlor epoxide	6.82	6.79	6.85
gamma-Chlordane	7.12	7.09	7.15
alpha-Chlordane	7.47	7.44	7.50
Endosulfan I	7.75	7.72	7.78
4,4'-DDE	7.85	7.82	7.88
Dieldrin	8.31	8.28	8.34
Endrin	8.77	8.74	8.80
4,4'-DDD	9.14	9.11	9.17
Endosulfan II	9.22	9.19	9.25
4,4'-DDT	9.67	9.64	9.70
Endrin aldehyde	10.03	10.00	10.06
Methoxychlor	10.63	10.60	10.66
Endosulfan sulfate	10.76	10.73	10.79
Endrin ketone	11.16	11.13	11.19
Tetrachloro-m-xylene	3.47	3.44	3.50
DCB Decachlorobiphenyl	12.79	12.76	12.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042438.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 24-Apr-2013 22:35:01 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019209-038
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 38
Lims Batch ID: 83400 Lims Sample ID: 38
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
Last Update: 25-Apr-2013 07:51:26 Calib Date: 23-Apr-2013 17:41:50
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	25462443	0.0289			
2	100	4.064	4.064	0.000	13606460	0.0283			
						RPD = 1.81			
5 alpha-BHC									
1	100	4.159	4.159	0.000	39484574	0.0290			
2	100	4.915	4.915	0.000	20899825	0.0293			
						RPD = 0.75			
20 gamma-BHC (Lindane)									
1	100	4.537	4.537	0.000	33719573	0.0279			
2	100	5.494	5.494	0.000	17747274	0.0283			
						RPD = 1.47			
7 beta-BHC									
1	100	4.669	4.669	0.000	14602359	0.0281			
2	100	5.678	5.678	0.000	7982115	0.0286			
						RPD = 1.84			
11 delta-BHC									
1	100	4.882	4.882	0.000	30761462	0.0251			
2	100	6.259	6.259	0.000	16389466	0.0252			
						RPD = 0.49			
22 Heptachlor									
1	100	5.162	5.162	0.000	26242604	0.0254			
2	100	6.319	6.319	0.000	12190117	0.0247			
						RPD = 3.04			
4 Aldrin									
1	100	5.610	5.610	0.000	33584318	0.0309			
2	100	7.064	7.064	0.000	17884578	0.0309			
						RPD = 0.07			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.821	6.821	0.000	29676950	0.0299			
2	100	8.563	8.563	0.000	15468897	0.0301			
						RPD = 0.75			
21 gamma-Chlordane									
1	100	7.120	7.120	0.000	30454696	0.0305			
2	100	8.969	8.969	0.000	15776432	0.0310			
						RPD = 1.70			
6 alpha-Chlordane									
1	100	7.469	7.469	0.000	31451417	0.0307			
2	100	9.278	9.278	0.000	16061103	0.0307			
						RPD = 0.02			
14 Endosulfan I									
1	100	7.745	7.745	0.000	26299550	0.0290			
2	100	9.346	9.346	0.000	13309411	0.0290			
						RPD = 0.10			
2 4,4'-DDE									
1	100	7.849	7.849	0.000	30688366	0.0317			
2	100	9.725	9.725	0.000	15555659	0.0313			
						RPD = 1.17			
13 Dieldrin									
1	100	8.309	8.309	0.000	30435358	0.0305			
2	100	9.872	9.872	0.000	15349240	0.0307			
						RPD = 0.60			
17 Endrin									
1	100	8.769	8.769	0.000	27403691	0.0295			
2	100	10.395	10.395	0.000	13470068	0.0294			
						RPD = 0.37			
1 4,4'-DDD									
1	100	9.136	9.136	0.000	26193704	0.0350			
2	100	10.734	10.734	0.000	13273664	0.0381			
						RPD = 8.34			
15 Endosulfan II									
1	100	9.221	9.221	0.000	25047792	0.0298			
2	100	10.765	10.765	0.000	12807182	0.0300			
						RPD = 0.46			
3 4,4'-DDT									
1	100	9.665	9.665	0.000	12250771	0.0174			
2	100	11.216	11.216	0.000	5587473	0.0180			
						RPD = 3.49			
18 Endrin aldehyde									
1	100	10.029	10.029	0.000	15449040	0.0240			
2	100	11.332	11.332	0.000	7677354	0.0237			
						RPD = 0.96			
27 Methoxychlor									
1	100	10.630	10.630	0.000	7996994	0.0226			
2	100	12.297	12.297	0.000	3506528	0.0227			
						RPD = 0.56			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.761	10.761	0.000	21937292	0.0283			
2	100	11.750	11.750	0.000	11208572	0.0292			
						RPD = 3.11			
19 Endrin ketone									
1	100	11.161	11.161	0.000	23346303	0.0260			
2	100	12.499	12.499	0.000	11497791	0.0267			
						RPD = 2.87			
$ 10 DCB Decachlorobiphenyl									
1	100	12.785	12.785	0.000	23300983	0.0282			
2	100	14.216	14.216	0.000	11818428	0.0274			
						RPD = 2.91			

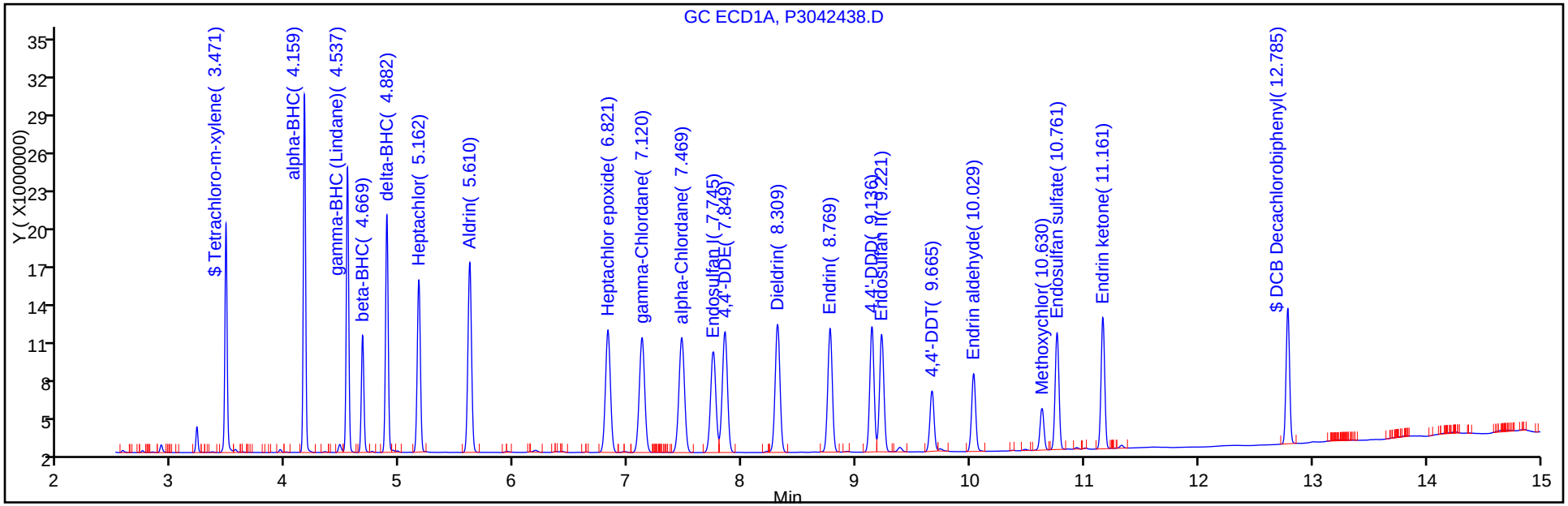
Report Date: 25-Apr-2013 07:51:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

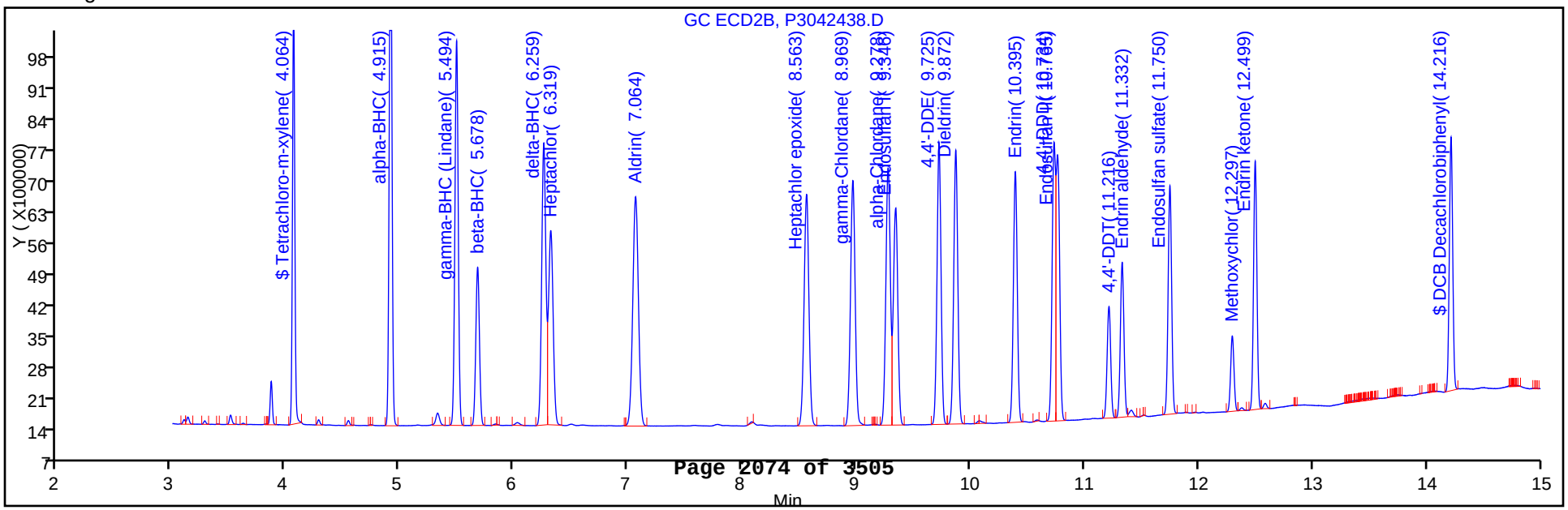
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Injection Date:	24-Apr-2013 22:35:01	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	38
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/38 Calibration Date: 04/24/2013 22:35

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042438.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	714126036	835993000		0.0293	0.0250	17.1	20.0
gamma-BHC (Lindane)	Ave	626844478	709890960		0.0283	0.0250	13.2	20.0
beta-BHC	Ave	278685187	319284600		0.0286	0.0250	14.6	20.0
delta-BHC	Ave	649094974	655578640		0.0252	0.0250	1.0	20.0
Heptachlor	Ave	494206075	487604680		0.0247	0.0250	-1.3	20.0
Aldrin	Ave	579038535	715383120		0.0309	0.0250	23.5*	20.0
Heptachlor epoxide	Ave	513668973	618755880		0.0301	0.0250	20.5*	20.0
gamma-Chlordane	Ave	508733248	631057280		0.0310	0.0250	24.0*	20.0
alpha-Chlordane	Ave	522623723	642444120		0.0307	0.0250	22.9*	20.0
Endosulfan I	Ave	459163342	532376440		0.0290	0.0250	15.9	20.0
4,4'-DDE	Ave	496902560	622226360		0.0313	0.0250	25.2*	20.0
Dieldrin	Ave	500474757	613969600		0.0307	0.0250	22.7*	20.0
Endrin	Ave	458610093	538802720		0.0294	0.0250	17.5	20.0
4,4'-DDD	Ave	348673589	530946560		0.0381	0.0250	52.3*	20.0
Endosulfan II	Ave	427445028	512287280		0.0300	0.0250	19.8	20.0
4,4'-DDT	Ave	309716187	223498920		0.0180	0.0250	-27.8*	20.0
Endrin aldehyde	Ave	323271966	307094160		0.0237	0.0250	-5.0	20.0
Endosulfan sulfate	Ave	384218328	448342880		0.0292	0.0250	16.7	20.0
Methoxychlor	Ave	154205847	140261120		0.0227	0.0250	-9.0	20.0
Endrin ketone	Ave	429863795	459911640		0.0267	0.0250	7.0	20.0
Tetrachloro-m-xylene	Ave	480112544	544258400		0.0283	0.0250	13.4	20.0
DCB Decachlorobiphenyl	Ave	431941305	472737120		0.0274	0.0250	9.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Lab Sample ID: CCV 240-83400/38 Calibration Date: 04/24/2013 22:35

Instrument ID: A2HP3 Calib Start Date: 04/22/2013 22:54

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/23/2013 00:35

Lab File ID: P3042438.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.92	4.89	4.95
gamma-BHC (Lindane)	5.49	5.46	5.52
beta-BHC	5.68	5.65	5.71
delta-BHC	6.26	6.23	6.29
Heptachlor	6.32	6.29	6.35
Aldrin	7.06	7.03	7.09
Heptachlor epoxide	8.56	8.53	8.59
gamma-Chlordane	8.97	8.94	9.00
alpha-Chlordane	9.28	9.25	9.31
Endosulfan I	9.35	9.32	9.38
4,4'-DDE	9.73	9.70	9.76
Dieldrin	9.87	9.84	9.90
Endrin	10.40	10.37	10.43
4,4'-DDD	10.73	10.70	10.76
Endosulfan II	10.77	10.74	10.80
4,4'-DDT	11.22	11.19	11.25
Endrin aldehyde	11.33	11.30	11.36
Endosulfan sulfate	11.75	11.72	11.78
Methoxychlor	12.30	12.27	12.33
Endrin ketone	12.50	12.47	12.53
Tetrachloro-m-xylene	4.06	4.03	4.09
DCB Decachlorobiphenyl	14.22	14.19	14.25

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042438.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 24-Apr-2013 22:35:01 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0019209-038
Misc. Info.:
Operator: 402582 Instrument ID: A2HP3
Injection Vol: 1.0 ul ALS Bottle#: 38
Lims Batch ID: 83400 Lims Sample ID: 38
Sublist: chrom-PEST3*sub7
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m
Last Update: 25-Apr-2013 07:51:26 Calib Date: 23-Apr-2013 17:41:50
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	25462443	0.0289			
2	100	4.064	4.064	0.000	13606460	0.0283			
						RPD = 1.81			
5 alpha-BHC									
1	100	4.159	4.159	0.000	39484574	0.0290			
2	100	4.915	4.915	0.000	20899825	0.0293			
						RPD = 0.75			
20 gamma-BHC (Lindane)									
1	100	4.537	4.537	0.000	33719573	0.0279			
2	100	5.494	5.494	0.000	17747274	0.0283			
						RPD = 1.47			
7 beta-BHC									
1	100	4.669	4.669	0.000	14602359	0.0281			
2	100	5.678	5.678	0.000	7982115	0.0286			
						RPD = 1.84			
11 delta-BHC									
1	100	4.882	4.882	0.000	30761462	0.0251			
2	100	6.259	6.259	0.000	16389466	0.0252			
						RPD = 0.49			
22 Heptachlor									
1	100	5.162	5.162	0.000	26242604	0.0254			
2	100	6.319	6.319	0.000	12190117	0.0247			
						RPD = 3.04			
4 Aldrin									
1	100	5.610	5.610	0.000	33584318	0.0309			
2	100	7.064	7.064	0.000	17884578	0.0309			
						RPD = 0.07			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.821	6.821	0.000	29676950	0.0299			
2	100	8.563	8.563	0.000	15468897	0.0301			
						RPD = 0.75			
21 gamma-Chlordane									
1	100	7.120	7.120	0.000	30454696	0.0305			
2	100	8.969	8.969	0.000	15776432	0.0310			
						RPD = 1.70			
6 alpha-Chlordane									
1	100	7.469	7.469	0.000	31451417	0.0307			
2	100	9.278	9.278	0.000	16061103	0.0307			
						RPD = 0.02			
14 Endosulfan I									
1	100	7.745	7.745	0.000	26299550	0.0290			
2	100	9.346	9.346	0.000	13309411	0.0290			
						RPD = 0.10			
2 4,4'-DDE									
1	100	7.849	7.849	0.000	30688366	0.0317			
2	100	9.725	9.725	0.000	15555659	0.0313			
						RPD = 1.17			
13 Dieldrin									
1	100	8.309	8.309	0.000	30435358	0.0305			
2	100	9.872	9.872	0.000	15349240	0.0307			
						RPD = 0.60			
17 Endrin									
1	100	8.769	8.769	0.000	27403691	0.0295			
2	100	10.395	10.395	0.000	13470068	0.0294			
						RPD = 0.37			
1 4,4'-DDD									
1	100	9.136	9.136	0.000	26193704	0.0350			
2	100	10.734	10.734	0.000	13273664	0.0381			
						RPD = 8.34			
15 Endosulfan II									
1	100	9.221	9.221	0.000	25047792	0.0298			
2	100	10.765	10.765	0.000	12807182	0.0300			
						RPD = 0.46			
3 4,4'-DDT									
1	100	9.665	9.665	0.000	12250771	0.0174			
2	100	11.216	11.216	0.000	5587473	0.0180			
						RPD = 3.49			
18 Endrin aldehyde									
1	100	10.029	10.029	0.000	15449040	0.0240			
2	100	11.332	11.332	0.000	7677354	0.0237			
						RPD = 0.96			
27 Methoxychlor									
1	100	10.630	10.630	0.000	7996994	0.0226			
2	100	12.297	12.297	0.000	3506528	0.0227			
						RPD = 0.56			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.761	10.761	0.000	21937292	0.0283			
2	100	11.750	11.750	0.000	11208572	0.0292			
						RPD = 3.11			
19 Endrin ketone									
1	100	11.161	11.161	0.000	23346303	0.0260			
2	100	12.499	12.499	0.000	11497791	0.0267			
						RPD = 2.87			
$ 10 DCB Decachlorobiphenyl									
1	100	12.785	12.785	0.000	23300983	0.0282			
2	100	14.216	14.216	0.000	11818428	0.0274			
						RPD = 2.91			

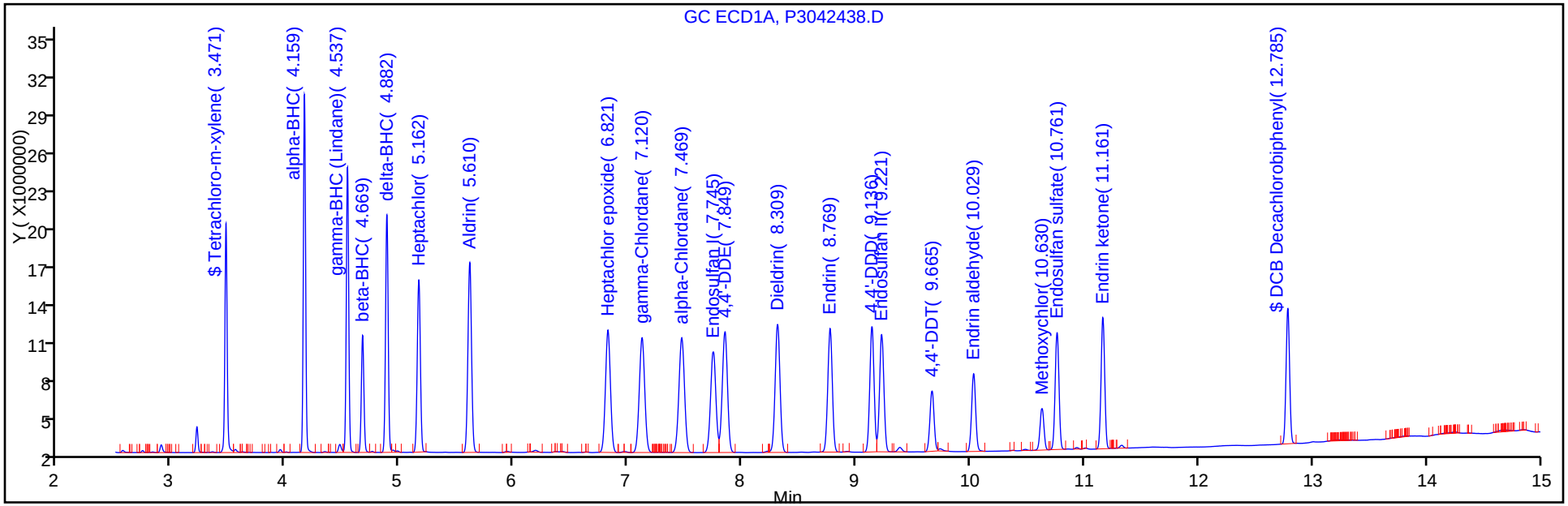
Report Date: 25-Apr-2013 07:51:27 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

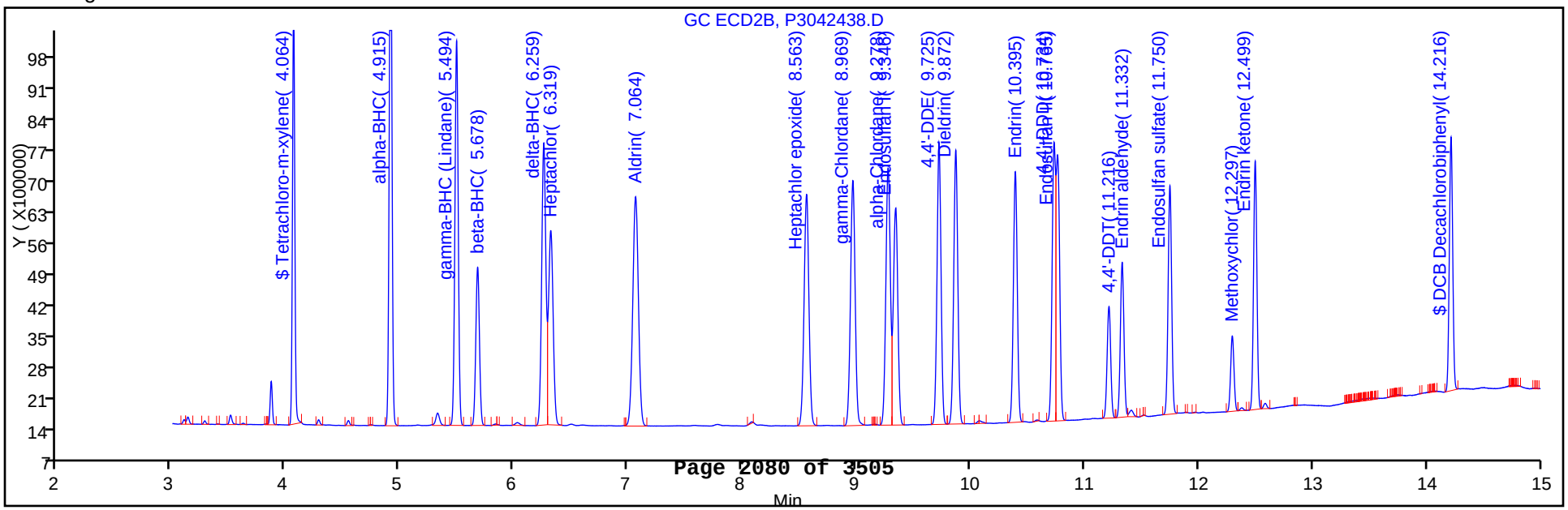
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Injection Date:	24-Apr-2013 22:35:01	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	38
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-81726/21-A

Matrix: Solid | Lab File ID: P3041914.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.00(g) | Date Analyzed: 04/19/2013 15:17

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 82685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.67	U	2.0	0.67	0.62
72-55-9	4,4'-DDE	0.67	U	1.7	0.67	0.39
50-29-3	4,4'-DDT	0.67	U	2.0	0.67	0.63
309-00-2	Aldrin	1.3	U	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U	2.5	1.3	0.73
5103-71-9	alpha-Chlordane	1.3	U	3.0	1.3	0.94
319-85-7	beta-BHC	1.3	U	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U	4.0	1.3	1.2
60-57-1	Dieldrin	0.67	U	1.7	0.67	0.47
959-98-8	Endosulfan I	0.67	U	1.7	0.67	0.52
33213-65-9	Endosulfan II	1.3	U	2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	1.3	U	3.0	1.3	0.87
72-20-8	Endrin	0.67	U	1.7	0.67	0.50
7421-93-4	Endrin aldehyde	1.3	U	3.0	1.3	1.0
53494-70-5	Endrin ketone	0.67	U	2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	1.3	U	2.5	1.3	0.74
5103-74-2	gamma-Chlordane	0.67	U	1.7	0.67	0.42
76-44-8	Heptachlor	1.3	U	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U	2.5	1.3	0.80
72-43-5	Methoxychlor	3.3	U	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	64		55-130
877-09-8	Tetrachloro-m-xylene	59	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041914.D		
Lims ID:	MB 240-81726/21-A	Client ID:	
Inject. Date:	19-Apr-2013 15:17:17	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0019054-014		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	82685	Lims Sample ID:	14
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m		
Last Update:	20-Apr-2013 07:39:36	Calib Date:	16-Apr-2013 14:58:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		
First Level Reviewer: shockr		Date:	19-Apr-2013 16:50:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.477	3.490	-0.013	12929838	0.0118			
2	100	4.075	4.092	-0.017	6940422	0.0115			
						RPD = 2.25			
12 Diallate									
1	100		3.751						
1	2		4.058						
2	100		4.331						
2	2		4.667						
24 Hexachlorobenzene									
1	100		3.963						
2	100		4.709						
5 alpha-BHC									
1	100		4.181						
2	100		4.949						
20 gamma-BHC (Lindane)									
1	100		4.561						
2	100		5.533						
7 beta-BHC									1
1	100		4.695						
2	100		5.719						
11 delta-BHC									
1	100		4.910						
2	100		6.304						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.080						
1	2		5.939						
1	3		7.174						
1	4		7.517						
2	100		6.059						
2	2		7.630						
2	3		9.010						
2	4		9.316						
22 Heptachlor									
1	100		5.194						
2	100		6.366						
4 Aldrin									
1	100		5.644						
2	100		7.115						
25 Isodrin									1
1	100		6.228						
2	100		8.129						
23 Heptachlor epoxide									
1	100		6.870						
2	100		8.607						
21 gamma-Chlordane									1
1	100		7.172						
2	100		9.012						
6 alpha-Chlordane									
1	100		7.520						
2	100		9.322						
14 Endosulfan I									1
1	100		7.795						
2	100		9.388						
2 4,4'-DDE									
1	100		7.897						
2	100		9.766						
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									1
1	100		8.357						
2	100		9.914						
17 Endrin									
1	100		8.816						
2	100		10.435						
26 Kepone									
1	100		8.885						
2	100		10.592						
1 4,4'-DDD									1
1	100		9.182						
2	100		10.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.268						
2	100		10.807						
9 Chlorobenzilate									1
1	100		9.275						
2	100		10.585						
3 4,4'-DDT									1
1	100		9.706						
2	100		11.256						
18 Endrin aldehyde									
1	100		10.070						
2	100		11.374						
30 Toxaphene									1
1	1		10.261						
1	2		10.605						
1	3		10.758						
1	4		11.174						
1	5		11.446						
2	100		10.363						
2	2		10.953						
2	3		11.373						
2	4		12.117						
2	5		12.677						
27 Methoxychlor									
1	100		10.667						
2	100		12.336						
16 Endosulfan sulfate									
1	100		10.800						
2	100		11.791						
19 Endrin ketone									
1	100		11.201						
2	100		12.539						
$ 10 DCB Decachlorobiphenyl									
1	100	12.816	12.824	-0.008	12271058	0.0128			
2	100	14.235	14.253	-0.018	6014759	0.0125			
						RPD = 2.11			

QC Flag Legend

Processing Flags
1 - Missing Peaks

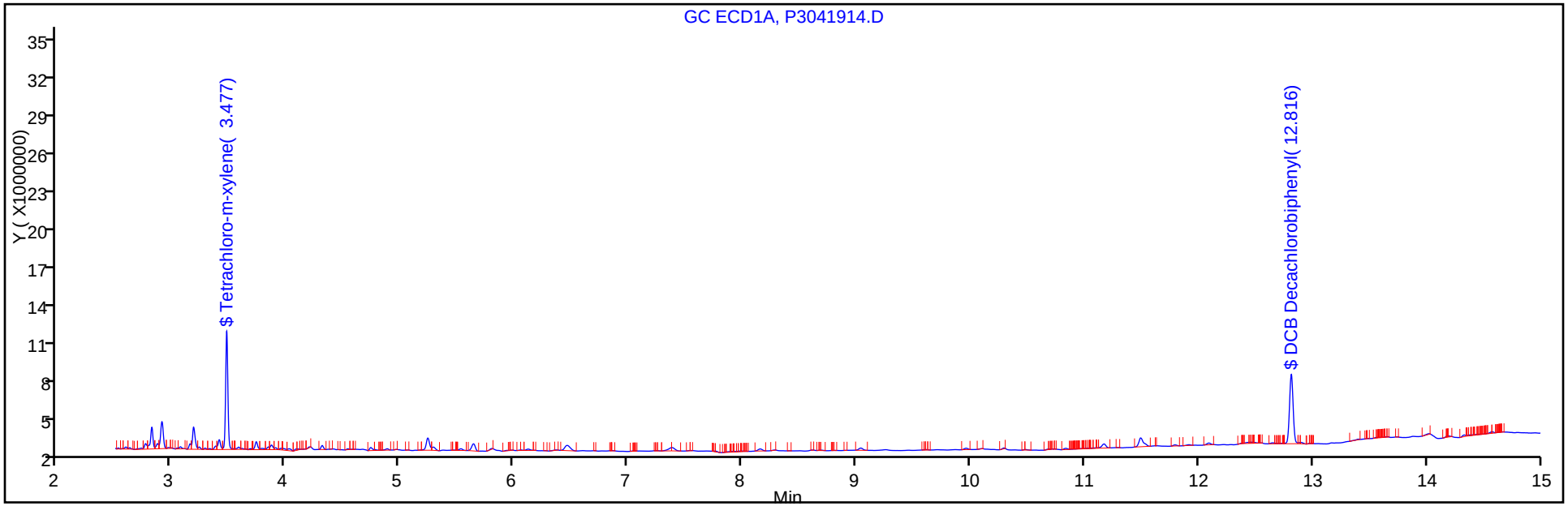
Report Date: 20-Apr-2013 07:39:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

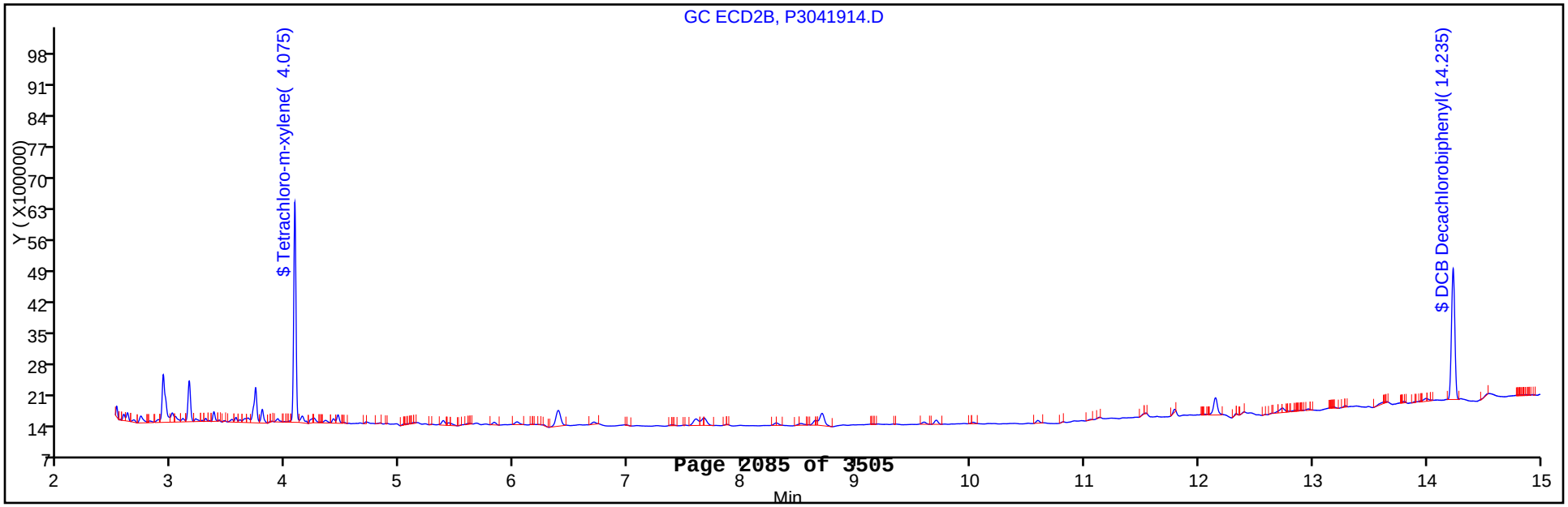
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Injection Date:	19-Apr-2013 15:17:17	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	14
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-81726/21-A

Matrix: Solid Lab File ID: P3041914.D

Analysis Method: 8081/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 04/12/2013 11:07

Sample wt/vol: 30.00(g) Date Analyzed: 04/19/2013 15:17

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82685 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	63		55-130
877-09-8	Tetrachloro-m-xylene	57	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041914.D		
Lims ID:	MB 240-81726/21-A	Client ID:	
Inject. Date:	19-Apr-2013 15:17:17	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0019054-014		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	82685	Lims Sample ID:	14
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130419-19054.b\PEST3.m		
Last Update:	20-Apr-2013 07:39:36	Calib Date:	16-Apr-2013 14:58:16
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130416-18914.b\P3041609.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK028		
First Level Reviewer: shockr		Date:	19-Apr-2013 16:50:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.477	3.490	-0.013	12929838	0.0118			
2	100	4.075	4.092	-0.017	6940422	0.0115			
						RPD = 2.25			
12 Diallate									
1	100		3.751						
1	2		4.058						
2	100		4.331						
2	2		4.667						
24 Hexachlorobenzene									
1	100		3.963						
2	100		4.709						
5 alpha-BHC									
1	100		4.181						
2	100		4.949						
20 gamma-BHC (Lindane)									
1	100		4.561						
2	100		5.533						
7 beta-BHC									1
1	100		4.695						
2	100		5.719						
11 delta-BHC									
1	100		4.910						
2	100		6.304						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.080						
1	2		5.939						
1	3		7.174						
1	4		7.517						
2	100		6.059						
2	2		7.630						
2	3		9.010						
2	4		9.316						
22 Heptachlor									
1	100		5.194						
2	100		6.366						
4 Aldrin									
1	100		5.644						
2	100		7.115						
25 Isodrin									1
1	100		6.228						
2	100		8.129						
23 Heptachlor epoxide									
1	100		6.870						
2	100		8.607						
21 gamma-Chlordane									1
1	100		7.172						
2	100		9.012						
6 alpha-Chlordane									
1	100		7.520						
2	100		9.322						
14 Endosulfan I									1
1	100		7.795						
2	100		9.388						
2 4,4'-DDE									
1	100		7.897						
2	100		9.766						
28 Mirex									
1	100		8.279						
2	100		9.197						
13 Dieldrin									1
1	100		8.357						
2	100		9.914						
17 Endrin									
1	100		8.816						
2	100		10.435						
26 Kepone									
1	100		8.885						
2	100		10.592						
1 4,4'-DDD									1
1	100		9.182						
2	100		10.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.268						
2	100		10.807						
9 Chlorobenzilate									1
1	100		9.275						
2	100		10.585						
3 4,4'-DDT									1
1	100		9.706						
2	100		11.256						
18 Endrin aldehyde									
1	100		10.070						
2	100		11.374						
30 Toxaphene									1
1	1		10.261						
1	2		10.605						
1	3		10.758						
1	4		11.174						
1	5		11.446						
2	100		10.363						
2	2		10.953						
2	3		11.373						
2	4		12.117						
2	5		12.677						
27 Methoxychlor									
1	100		10.667						
2	100		12.336						
16 Endosulfan sulfate									
1	100		10.800						
2	100		11.791						
19 Endrin ketone									
1	100		11.201						
2	100		12.539						
$ 10 DCB Decachlorobiphenyl									
1	100	12.816	12.824	-0.008	12271058	0.0128			
2	100	14.235	14.253	-0.018	6014759	0.0125			
						RPD = 2.11			

QC Flag Legend

Processing Flags
1 - Missing Peaks

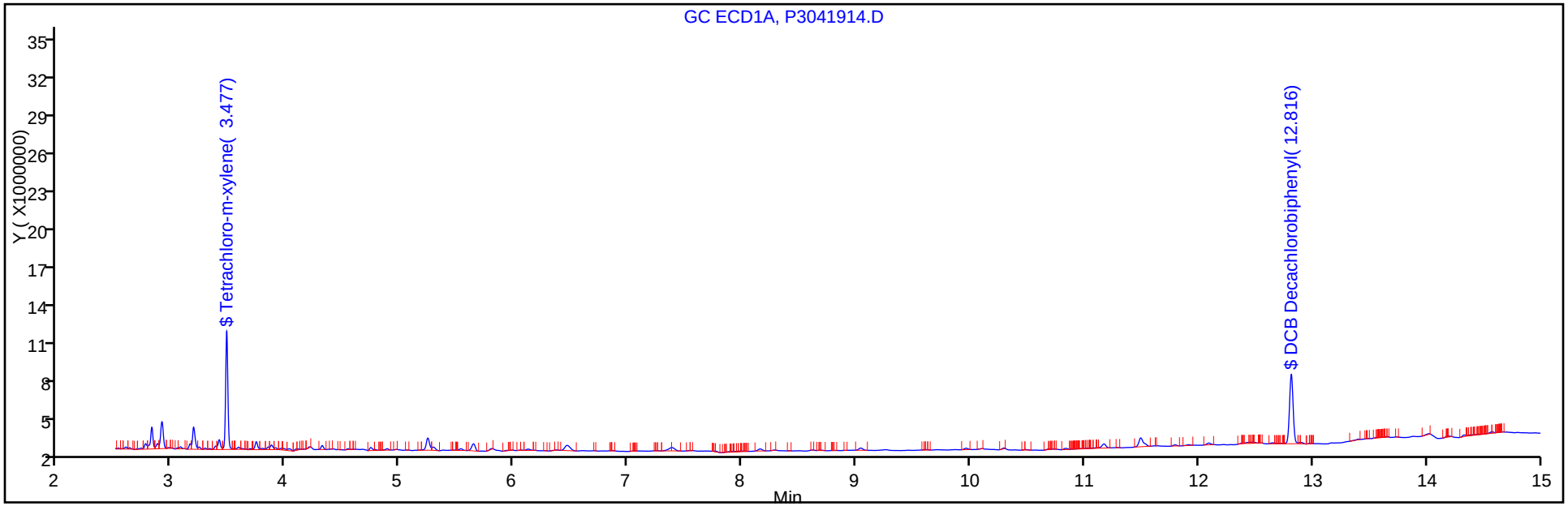
Report Date: 20-Apr-2013 07:39:40 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

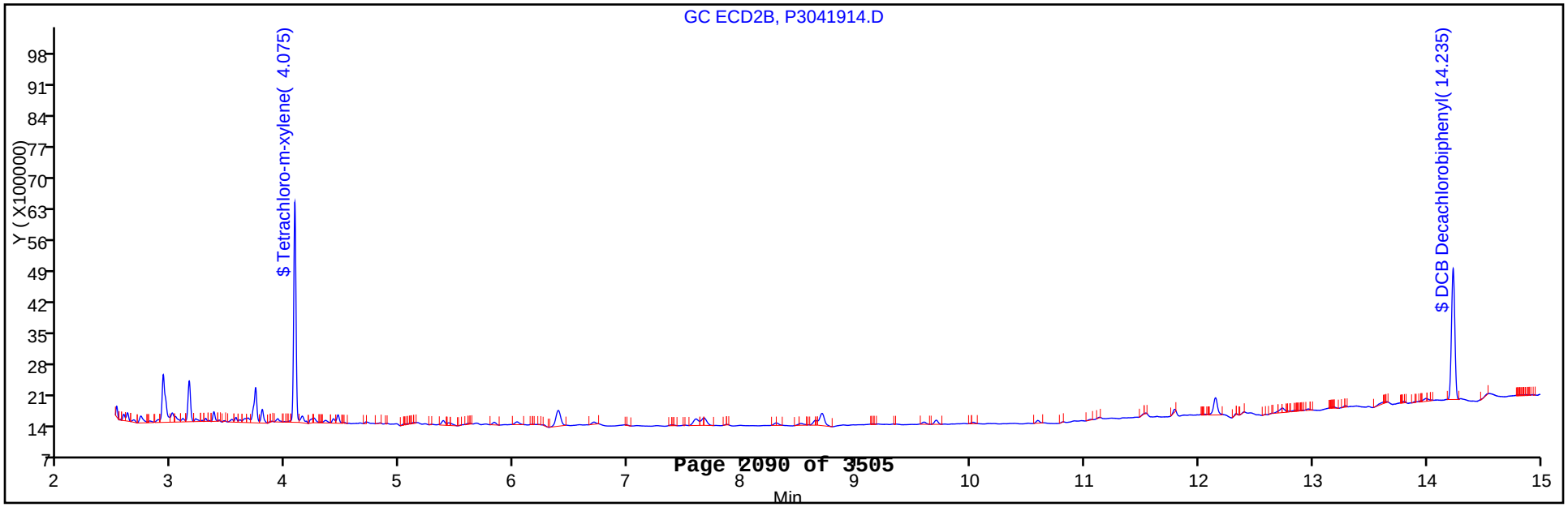
Data File: \\NCChrom\ChromData\A2HP3\20130419-19054.b\P3041914.D

Injection Date:	19-Apr-2013 15:17:17	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	82685	Lims Sample ID:	14
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-22663-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-83135/18-A

Matrix: Solid | Lab File ID: P3042436.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.00(g) | Date Analyzed: 04/24/2013 21:54

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.67	U	2.0	0.67	0.62
72-55-9	4,4'-DDE	0.67	U	1.7	0.67	0.39
50-29-3	4,4'-DDT	0.67	U	2.0	0.67	0.63
309-00-2	Aldrin	1.3	U	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U	2.5	1.3	0.73
5103-71-9	alpha-Chlordane	1.3	U	3.0	1.3	0.94
319-85-7	beta-BHC	1.3	U	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U	4.0	1.3	1.2
60-57-1	Dieldrin	0.67	U	1.7	0.67	0.47
959-98-8	Endosulfan I	0.67	U	1.7	0.67	0.52
33213-65-9	Endosulfan II	1.3	U	2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	1.3	U	3.0	1.3	0.87
72-20-8	Endrin	0.67	U	1.7	0.67	0.50
7421-93-4	Endrin aldehyde	1.3	U	3.0	1.3	1.0
53494-70-5	Endrin ketone	0.67	U	2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	1.3	U	2.5	1.3	0.74
5103-74-2	gamma-Chlordane	0.67	U	1.7	0.67	0.42
76-44-8	Heptachlor	1.3	U	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U	2.5	1.3	0.80
72-43-5	Methoxychlor	3.3	U	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	91		55-130
877-09-8	Tetrachloro-m-xylene	119		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042436.D		
Lims ID:	MB 240-83135/18-A	Client ID:	
Inject. Date:	24-Apr-2013 21:54:41	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0019209-036		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	36
Lims Batch ID:	83400	Lims Sample ID:	36
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		
First Level Reviewer: shockr		Date:	25-Apr-2013 07:23:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.471	3.471	0.000	20971477	0.0238			
2	100	4.068	4.064	0.004	16613166	0.0346			
						RPD = 37.12			
12 Diallate									
1	100		3.734						
1	2		4.041						
2	100		4.309						
2	2		4.644						
24 Hexachlorobenzene									
1	100		3.944						
2	100		4.681						
5 alpha-BHC									
1	100		4.159						
2	100		4.915						
20 gamma-BHC (Lindane)									
1	100		4.537						
2	100		5.494						
7 beta-BHC									
1	100		4.669						
2	100		5.679						
11 delta-BHC									
1	100		4.882						
2	100		6.259						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.049						
1	2		5.898						
1	3		7.121						
1	4		7.462						
2	100		6.017						
2	2		7.584						
2	3		8.968						
2	4		9.279						
22 Heptachlor									
1	100		5.163						
2	100		6.322						
4 Aldrin									
1	100		5.609						
2	100		7.064						
25 Isodrin									
1	100		6.191						
2	100		8.092						
23 Heptachlor epoxide									
1	100		6.822						
2	100		8.565						
21 gamma-Chlordane									
1	100		7.121						
2	100		8.970						
6 alpha-Chlordane									
1	100		7.470						
2	100		9.280						
14 Endosulfan I									1
1	100		7.746						
2	100		9.346						
2 4,4'-DDE									
1	100		7.850						
2	100		9.727						
28 Mirex									
1	100	8.303	8.279	0.024	12980	0			
2	100	9.190	9.197	-0.007	9841	0			
						RPD = 0.00			
13 Dieldrin									
1	100		8.310						
2	100		9.874						
17 Endrin									
1	100		8.771						
2	100		10.396						
26 Kepone									1
1	100		8.847						
2	100		10.561						
1 4,4'-DDD									1
1	100		9.139						
2	100		10.736						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.225						
2	100		10.766						
9 Chlorobenzilate									
1	100		9.243						
2	100		10.562						
3 4,4'-DDT									1
1	100		9.668						
2	100		11.217						
18 Endrin aldehyde									
1	100		10.030						
2	100		11.333						
30 Toxaphene									1
1	1		10.218						
1	2		10.565						
1	3		10.717						
1	4		11.134						
1	5		11.404						
2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100		10.630						
2	100		12.299						
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						
19 Endrin ketone									
1	100		11.165						
2	100		12.501						
$ 10 DCB Decachlorobiphenyl									
1	100	12.786	12.787	-0.001	15091941	0.0182			
2	100	14.215	14.217	-0.002	7982577	0.0185			
						RPD = 1.28			

QC Flag Legend

Processing Flags
1 - Missing Peaks

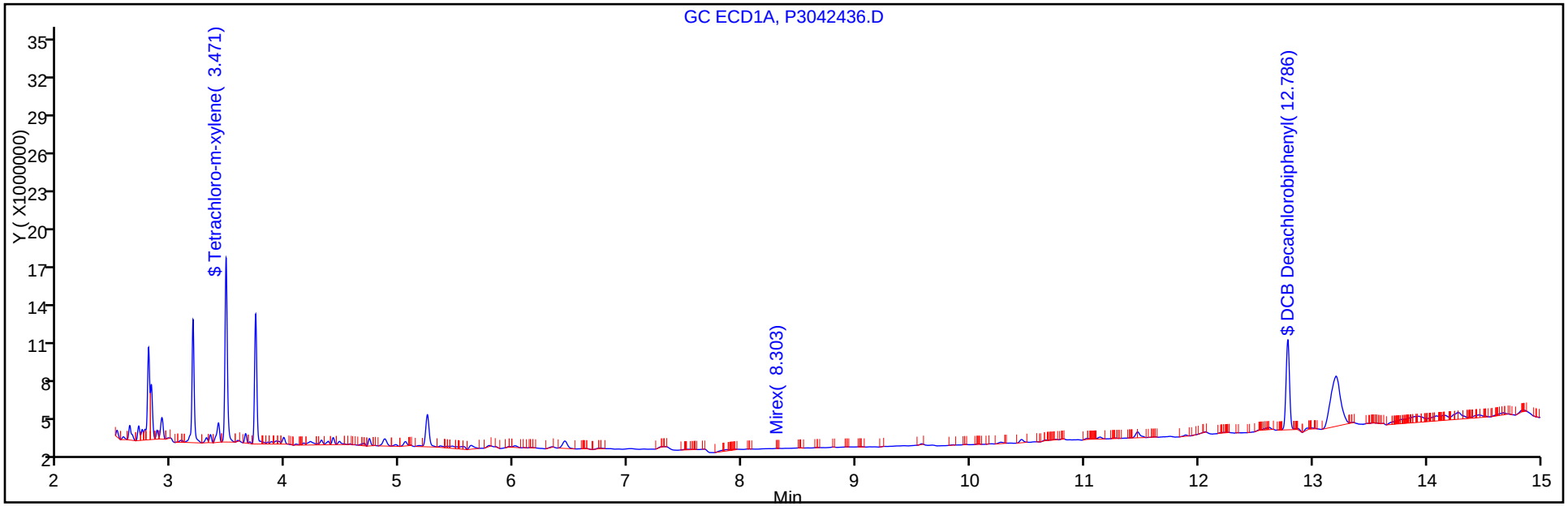
Report Date: 25-Apr-2013 07:51:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

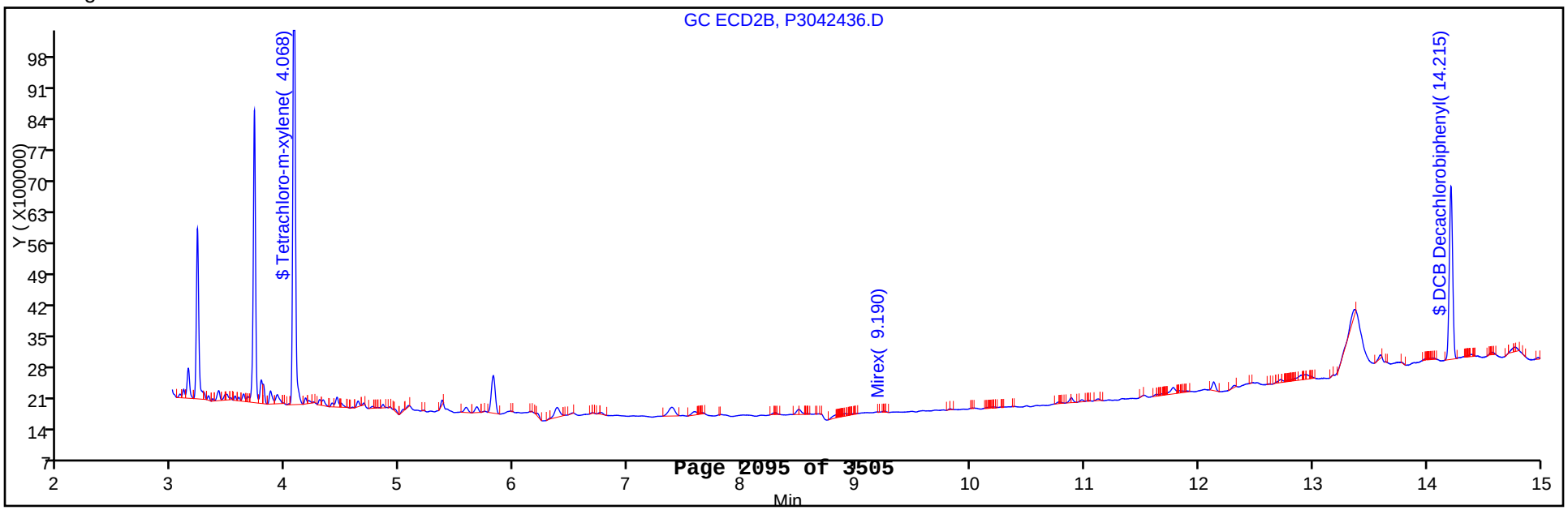
Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042436.D

Injection Date:	24-Apr-2013 21:54:41	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	36
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-22663-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-83135/18-A

Matrix: Solid Lab File ID: P3042436.D

Analysis Method: 8081/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 04/23/2013 08:54

Sample wt/vol: 30.00(g) Date Analyzed: 04/24/2013 21:54

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 83400 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	92		55-130
877-09-8	Tetrachloro-m-xylene	173	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042436.D		
Lims ID:	MB 240-83135/18-A	Client ID:	
Inject. Date:	24-Apr-2013 21:54:41	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0019209-036		
Misc. Info.:			
Operator:	402582	Instrument ID:	A2HP3
Injection Vol:	1.0 ul	ALS Bottle#:	36
Lims Batch ID:	83400	Lims Sample ID:	36
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP3\20130424-19209.b\PEST3.m		
Last Update:	25-Apr-2013 07:51:26	Calib Date:	23-Apr-2013 17:41:50
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP3\20130423-19186.b\P3042315.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		
First Level Reviewer: shockr		Date:	25-Apr-2013 07:23:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
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						RPD = 37.12			
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1	100		3.734						
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2	100		9.727						
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1	100		9.139						
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18 Endrin aldehyde									
1	100		10.030						
2	100		11.333						
30 Toxaphene									1
1	1		10.218						
1	2		10.565						
1	3		10.717						
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2	100		10.320						
2	2		10.915						
2	3		11.336						
2	4		12.077						
2	5		12.638						
27 Methoxychlor									
1	100		10.630						
2	100		12.299						
16 Endosulfan sulfate									
1	100		10.763						
2	100		11.752						
19 Endrin ketone									
1	100		11.165						
2	100		12.501						
$ 10 DCB Decachlorobiphenyl									
1	100	12.786	12.787	-0.001	15091941	0.0182			
2	100	14.215	14.217	-0.002	7982577	0.0185			
						RPD = 1.28			

QC Flag Legend

Processing Flags
1 - Missing Peaks

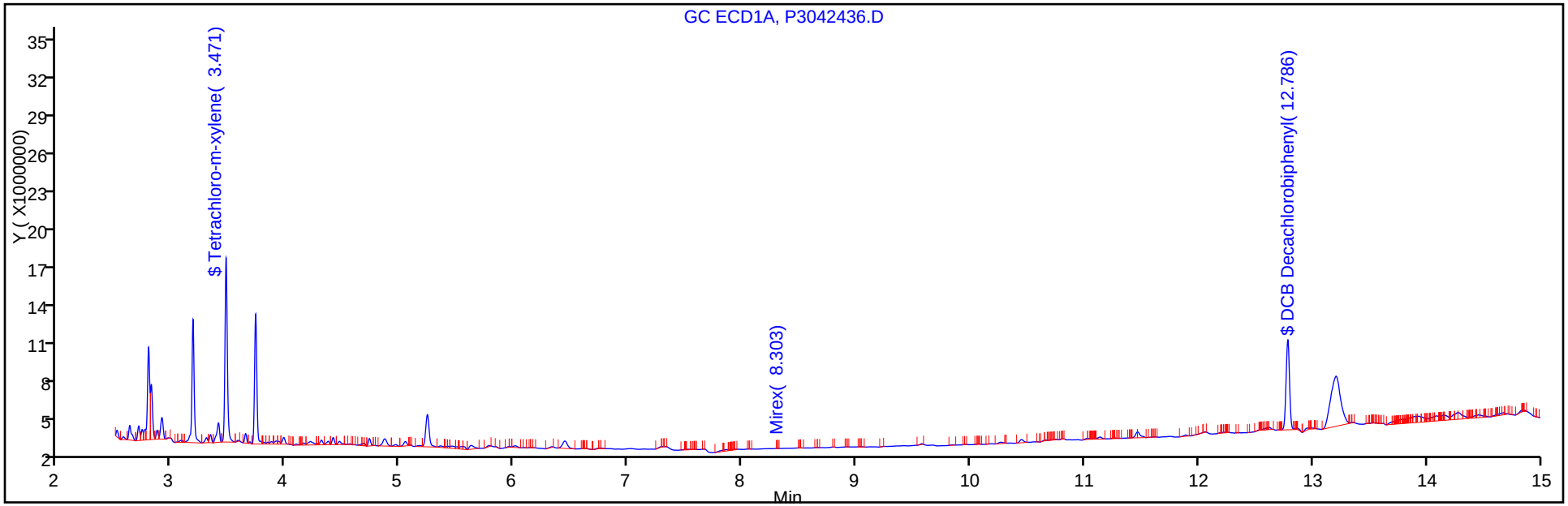
Report Date: 25-Apr-2013 07:51:28 Chrom Revision: 2.0 01-Apr-2013 21:16:10

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP3\20130424-19209.b\P3042436.D

Injection Date:	24-Apr-2013 21:54:41	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP3
Lims Batch ID:	83400	Lims Sample ID:	36
Operator ID:	402582	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value

